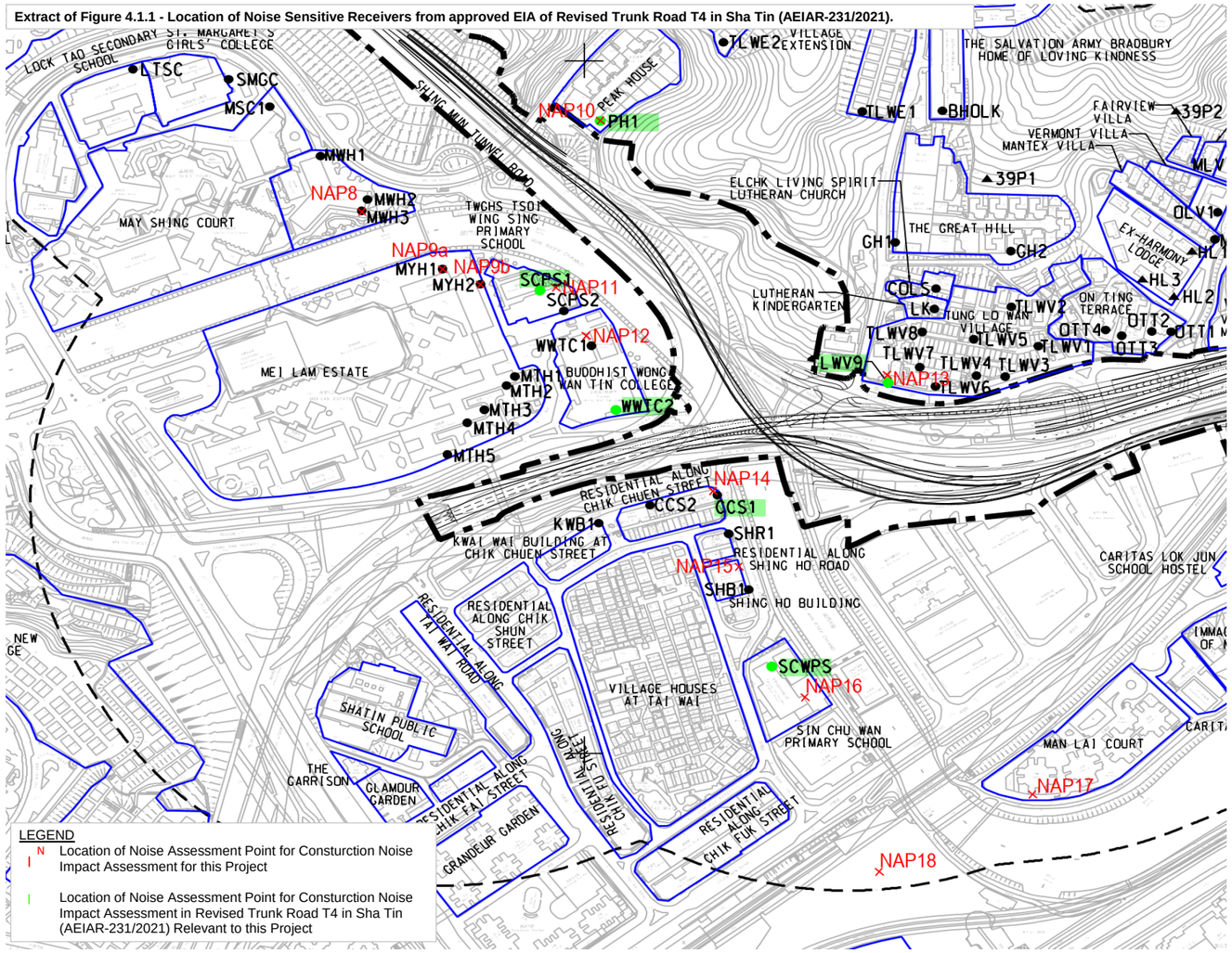
Appendix 4.9 Cumulative Construction Noise Calculation

Potential cumulative construction noise impacts from "Drainage Improvement Works in Sha Tin and Sai Kung" on NAP17 and NAP18 from 2025 to 2029, "Revised Trunk Road T4 in Sha Tin" on NAP8 to NAP17 from 2024 to 2028 and "Joint-user complex at Tsuen Nam Road, Tai Wai" on NAP14 to NAP18 from 2024 to 2029 would be anticipated.

Cumulative Noise Levels with Revised Trunk Road T4

Extract of Figure 4.1.1 - Location of Noise Sensitive Receivers from approved EIA of Revised Trunk Road T4 in Sha Tin (AEIAR-231/2021).



The overall noise levels due to Revised Trunk Road T4 at assessment points SCPS1, PH1, WWTC2, TLWV9, CCS1 and SCWPS were directly adopted for calculating the cumulative construction noise impact at NAP8 to NAP16 considering the similar locations of assessment points and similar distance between the assessment points and works boundary as illustrated above. For NAP17 and NAP18, they are ocated at at least ~240m from the site boundary of Revised Trunk Road T4 and at least 100m from the closest noise assessment point for consturction noise impact assessment in Revised Trunk Road T4, i.e. SCWPS (~118m from site boundary of Revised Trunk Road T4). Based on basic acoustic principle and with reference to Table 5 of the GW-TM, a distance correction factor of 6 dB(A) is applied to the overall noise levels due to Revised Trunk Road T4 at assessment point SCWPS before adopting for this cumulative construction noise calculation.

Overall mitigated noise levels and detailed construction programme were extracted from construction noise impact assessment in the approved EIA of Revised Trunk Road T4 in Sha Tin (AEIAR-231/2021).

Cumulative Noise Levels with Joint-user complex at Tsuen Nam Road, Tai Wai and / or Drainage Improvement Works in Sha Tin and Sai Kung

Amongst the affected representive NSRs, NAP16 and NAP17 are located closest to "Joint-user complex at Tsuen Nam Road, Tai Wai" and "Drainage Improvement Works in Sha Tin and Sai Kung" respectively. As the noise levels are not available for the two projects, it is assumed that the construction noise impact from these concurret projects would comply with the relevant noise criteria at these closest NSRs.

Appendix 4.9 Cumulative Construction Noise Calculation

NAP8

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	43	47	49	49	49	47	40	48	48	50	47	47	57	65	66	66	66	65	51	58	58	59	56	56	56	71	64
Overall mitigated noise Level of SCPS1, dB(A) [1]	-	56	51	49	49	48	48	48	53	53	56	56	56	56	58	59	59	59	59	57	57	54	53	53	53	53	54	53	53	53	55	55	53	53	53	53
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	53	57	57	57	57	58	59	59	59	59	57	57	59	65	66	66	66	65	55	59	59	61	59	58	58	71	65

	2026												2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	65	64	64	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overall mitigated noise Level of SCPS1, dB(A) [1]	53	55	56	56	51	49	48	48	41	40	40	37	39	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	65	65	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP9a

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	43	47	49	49	49	47	40	48	48	50	47	47	57	65	66	66	66	65	51	58	58	59	56	56	56	71	64
Overall mitigated noise Level of SCPS1, dB(A) [1]	-	56	51	49	49	48	48	48	53	53	56	56	56	56	58	59	59	59	59	57	57	54	53	53	53	53	54	53	53	53	55	55	53	53	53	53
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	53	57	57	57	57	58	59	59	59	59	57	57	59	65	66	66	66	65	55	59	59	61	59	58	58	71	65

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	64	64	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overall mitigated noise Level of SCPS1, dB(A) [1]	53	55	56	56	51	49	48	48	41	40	40	37	39	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	65	65	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP9b

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	45	49	51	51	51	49	42	49	49	51	48	48	58	62	64	64	64	62	51	57	57	58	55	55	54	65	60
Overall mitigated noise Level of SCPS1, dB(A) [1]	-	56	51	49	49	48	48	48	53	53	56	56	56	56	58	59	59	59	59	57	57	54	53	53	53	53	54	53	53	53	55	55	53	53	53	53
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	54	57	57	57	57	58	59	59	59	60	58	58	59	62	64	64	64	62	55	58	58	60	58	57	56	65	60

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	60	60	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overall mitigated noise Level of SCPS1, dB(A) [1]	53	55	56	56	51	49	48	48	41	40	40	37	39	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	60	61	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP10

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	43	47	49	49	49	47	40	48	48	49	46	46	48	48	52	52	52	48	49	54	54	55	53	53	48	53	49
Overall mitigated noise Level of PH1, dB(A) [1]	-	60	58	61	61	54	54	54	55	57	60	60	60	60	63	64	64	64	64	60	60	57	49	49	49	49	50	48	48	48	52	52	49	50	49	49
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	57	60	60	60	60	63	64	64	64	64	60	60	58	52	54	54	54	52	52	55	55	57	55	54	52	55	52

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	49	49	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overall mitigated noise Level of PH1, dB(A) [1]	49	62	62	62	54	54	41	41	-	-	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	52	62	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP11 (normal school day)

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	48	53	55	55	55	53	46	53	53	55	52	52	60	68	69	69	69	68	54	59	59	60	58	58	53	58	53
Overall mitigated noise Level of SCPS1, dB(A) [1]	-	56	51	49	49	48	48	48	53	53	56	56	56	56	58	59	59	59	59	57	57	54	53	53	53	53	54	53	53	53	55	55	53	53	53	53
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	54	58	58	58	58	59	59	60	60	60	58	58	61	68	69	69	69	68	56	60	60	61	60	59	56	59	56

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	53	53	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overall mitigated noise Level of SCPS1, dB(A) [1]	53	55	56	56	51	49	48	48	41	40	40	37	39	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	56	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP11 (during examination)

Scenario 1: No Work Section 3, Group C-2 undertaken within 30m from NAP11

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	48	53	55	55	55	53	46	53	53	55	52	52	59	53	61	61	61	53	54	59	59	60	58	58	53	58	53
Overall mitigated noise Level of SCPS1, dB(A) [1]	-	56	51	49	49	48	48	48	53	53	56	56	56	56	58	59	59	59	59	57	57	54	53	53	53	53	54	53	53	53	55	55	53	53	53	53
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	54	58	58	58	58	59	59	60	60	60	58	58	60	56	62	62	62	57	56	60	60	61	60	59	56	59	56

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	53	53	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overall mitigated noise Level of SCPS1, dB(A) [1]	53	55	56	56	51	49	48	48	41	40	40	37	39	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	56	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Scenario 2: Work Section 3, Group C-2 undertaken at 30m from NAP11

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	48	53	53	53	53	53	46	53	53	55	52	52	59	62	65	65	65	62	54	59	59	60	58	58	53	58	51
Overall mitigated noise Level of SCPS1, dB(A) [1]	-	56	51	49	49	48	48	48	53	53	56	56	56	56	58	59	59	59	59	57	57	54	53	53	53	53	54	53	53	53	55	55	53	53	53	53
Cumulative construction noise levels [2], dB(A)	-	-	-	-	-	-	-	-	-	54	58	58	58	58	59	59	60	60	60	58	58	60	63	65	65	65	63	56	60	60	61	60	59	56	59	55

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	51	51	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overall mitigated noise Level of SCPS1, dB(A) [1]	53	55	56	56	51	49	48	48	41	40	40	37	39	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	55	57	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP12 (normal school day & during exmination)

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	40	44	44	44	34	34	42	43	43	52	58	59	59	59	58	50	58	58	59	57	57	59	63	65	65	65	63	54	56	56	57	55	55	50	55	51
Overall mitigated noise Level of WWTC2, dB(A) [1]	-	52	45	44	44	44	44	44	56	55	55	54	54	54	55	57	60	60	60	59	59	61	61	61	61	61	62	57	57	57	60	60	60	59	59	59
Cumulative construction noise levels, dB(A)	NA	53	48	47	44	44	46	47	56	57	60	60	60	60	60	58	62	62	63	61	61	63	65	66	66	66	65	59	60	60	62	61	61	60	60	60

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	51	51	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overall mitigated noise Level of SCPS1, dB(A) [1]	53	55	56	56	51	49	48	48	41	40	40	37	39	-	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	60	56	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP13

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	42	47	47	47	42	42	50	52	52	49	51	53	53	53	51	42	49	49	51	48	48	46	48	50	50	50	48	49	50	50	49	48	48	41	-	-
Overall mitigated noise Level of TLWV9, dB(A) [1]	-	48	44	42	42	-	-	-	60	63	59	57	57	57	57	58	61	59	59	59	59	62	62	62	62	62	62	62	62	62	63	63	62	62	62	62
Cumulative construction noise levels, dB(A)	NA	51	49	48	45	NA	NA	NA	61	63	60	58	58	58	58	58	61	59	60	59	59	62	62	62	62	62	62	62	62	62	63	63	62	62	-	-

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overall mitigated noise Level of TLWV9, dB(A) [1]	62	53	62	62	61	62	63	62	57	56	56	53	55	-	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP14

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	48	53	53	53	42	42	50	53	53	59	64	66	66	66	64	48	56	56	57	54	54	53	51	55	55	55	51	49	51	51	49	48	48	42	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Overall mitigated noise Level of CCS1, dB(A) [1]	-	48	42	-	-	-	-	58	56	53	52	52	52	53	55	61	61	61	60	60	63	63	63	63	63	63	64	58	58	58	61	61	60	61	61	61
Cumulative construction noise levels, dB(A)	65	65	65	65	65	65	65	65	66	66	68	69	69	69	68	65	67	67	66	66	67	67	67	67	67	67	68	66	66	66	67	67	66	66	-	-

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Overall mitigated noise Level of CCS1, dB(A) [1]	59	54	55	54	55	51	54	54	46	45	45	42	44	-	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP15

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	54	62	62	62	50	50	58	60	60	60	65	67	67	67	65	51	58	58	60	57	57	52	47	51	51	51	47	46	46	46	45	45	45	39	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Overall mitigated noise Level of CCS1, dB(A) [1]	-	48	42	-	-	-	-	58	56	53	52	52	52	53	55	61	61	61	60	60	63	63	63	63	63	63	64	58	58	58	61	61	60	61	61	61
Cumulative construction noise levels, dB(A)	65	67	67	67	65	65	66	66	67	67	68	69	69	69	68	66	67	67	67	67	67	67	67	67	67	67	68	66	66	66	67	67	66	66	-	-

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Overall mitigated noise Level of CCS1, dB(A) [1]	59	54	55	54	55	51	54	54	46	45	45	42	44	-	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NAP16 (normal school day)

	2024												2025												2026											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	59	61	61	61	56	56	63	66	66	59	51	53	53	53	51	44	51	51	53	50	50	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Overall mitigated noise Level of SCWPS, dB(A) [1]	-	-	-	-	-	-	-	-	49	50	46	44	44	44	44	46	50	49	49	49	49	53	53	53	53	53	54	52	52	52	53	53	51	52	51	51
Cumulative construction noise levels, dB(A)	66	67	67	67	65	65	67	69	69	66	65	65	65	65	65	65	65	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitgated noise level of this Project, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	44	44	-	-	-	-	-	-	-	-	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Overall mitigated noise Level of SCWPS, dB(A) [1]	51	43	49	48	48	48	49	49	43	42	42	39	41	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	65	65	-	-	-	-	-	-	-	-	-	-

NAP16 (during examination)

Scenario 1: Only Work Section 1, Group B-2 undertaken within 30m from NAP16

	2024												2025												2026												2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitigated noise level of this Project, dB(A)	59	61	61	61	56	56	63	65	65	59	51	51	51	51	51	44	51	51	53	50	50	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	44	44	-	-	-	-	-	-	-	-	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Overall mitigated noise Level of SCWPS, dB(A) [1]	-	-	-	-	-	-	-	-	49	50	46	44	44	44	44	46	50	49	49	49	49	53	53	53	53	53	54	52	52	52	53	53	51	52	51	51	51	43	49	48	48	48	49	49	43	42	42	39	41	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	66	67	67	67	65	65	67	68	68	66	65	65	65	65	65	65	65	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	65	65	-	-	-	-	-	-	-	-	-	-

Scenario 2: Only Work Section 1, Group C-1 undertaken within 30m from NAP16

	2024												2025												2026												2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitigated noise level of this Project, dB(A)	59	61	61	61	56	56	63	60	60	59	51	51	51	51	51	44	51	51	53	50	50	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	44	44	-	-	-	-	-	-	-	-	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Overall mitigated noise Level of SCWPS, dB(A) [1]	-	-	-	-	-	-	-	-	49	50	46	44	44	44	44	46	50	49	49	49	49	53	53	53	53	53	54	52	52	52	53	53	51	52	51	51	51	43	49	48	48	48	49	49	43	42	42	39	41	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	66	67	67	67	65	65	67	66	66	66	65	65	65	65	65	65	65	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	65	65	-	-	-	-	-	-	-	-	-	-

Scenario 3: Work Section 1, Group B-2 and Work Section 1, Group C-1 undertaken concurrently at 30m from NAP16

	2024												2025												2026												2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitigated noise level of this Project, dB(A)	59	61	61	61	56	56	63	64	64	59	51	51	51	51	51	44	51	51	53	50	50	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	44	44	-	-	-	-	-	-	-	-	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Overall mitigated noise Level of SCWPS, dB(A) [1]	-	-	-	-	-	-	-	-	49	50	46	44	44	44	44	46	50	49	49	49	49	53	53	53	53	53	54	52	52	52	53	53	51	52	51	51	51	43	49	48	48	48	49	49	43	42	42	39	41	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	66	67	67	67	65	65	67	67	67	66	65	65	65	65	65	65	65	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	65	65	-	-	-	-	-	-	-	-	-	-

NAP17

	2024												2025												2026												2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitigated noise level of this Project, dB(A)	64	61	58	58	42	42	50	52	52	46	43	46	46	46	43	37	44	44	46	43	43	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58	58	58	-	-	-	-	-	-	-	-	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Assumed Mitgated noise level of Drainage Improvement Works in Sha Tin and Sai Kung, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Overall corrected mitigated noise Level of SCWPS, dB(A) [1]	-	-	-	-	-	-	-	-	43	44	40	38	38	38	38	40	44	43	43	43	43	47	47	47	47	47	48	46	46	46	47	47	45	46	45	45	45	37	43	42	42	42	43	43	37	36	36	33	35	-	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	67	66	66	66	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	75	75	-	-	-	-	-	-	-	-	-	-

NAP18

	2024												2025												2026												2027												2028												2029											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Mitigated noise level of this Project, dB(A)	55	55	52	52	43	43	51	54	54	47	44	46	46	46	44	37	44	44	46	43	43	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	51	51	-	-	-	-	-	-	-	-	-	-
Assumed Mitgated noise level of Joint-user complex at Tsuen Nam Road, Tai Wai , dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
Assumed Mitgated noise level of Drainage Improvement Works in Sha Tin and Sai Kung, dB(A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Overall corrected mitigated noise Level of SCWPS, dB(A) [1]	-	-	-	-	-	-	-	-	37	38	34	32	32	32	32	34	38	37	37	37	37	41	41	41	41	41	42	40	40	40	41	41	39	40	39	39	39	31	37	36	36	36	37	37	31	30	30	27	29	-	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cumulative construction noise levels, dB(A)	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	75	75	-	-	-	-	-	-	-	-	-	-

Notes:

NA: No overlapping of consturction works between this Project and other concurrent projects.

Underlined value indicates exceedance of EIAO-TM noise criteria of 65 dB(A) for educational institution during examination period.

[1] Overall mitigated noise levels and detailed construction programme were extracted from construction noise impact assessment in the approved EIA of Revised Trunk Road T4 in Sha Tin (AEIAR-231/2021).

[2] Amongst the affected representive NSRs, NAP16 and NAP17 are located closest to “Joint-user complex at Tsuen Nam Road, Tai Wai” and “Drainage Improvement Works in Sha Tin and Sai Kung” respectively. As the noise levels are not available for the two projects, it is assumed that the construction noise impact from these concurret projects would comply with the relevant noise criteria at these closest NSRs.