

Detailed Calculation of Construction Noise Levels at Representative NSRs - Mitigated Scenario

Project Specific PME Item	Max SWL dB(A)	Affected	Total SWL, dB(A)	Dist. From	Dist. Corr.,	Screenin g <sup>(1)</sup> Corr.,	Façade Corr.,	Corrected Noise Levels, dB(A)
<b>SST - Christian Zheng Sheng Association Ltd</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89		0	0	0.0	0	0	0.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122	√	122	211	-54.5	0	3	70.7
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								70.7
<b>HST - Hung Shing Temple</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	19	-33.6	0	3	58.4
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								58.4
<b>STP2 - No.16 Shek Tsai Po Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89	√	89	113	-49.0	0	3	43.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>STP3 - No.6 Shek Tsai Po Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89	√	89	70	-44.9	0	3	47.1
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>STP4 - No.88 Shek Tsai Po Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89		0	0	0.0	0		0.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89	√	89	1	-8.0	0	3	84.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>STP5 - No.21 Shek Tsai Po Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89	√	89	1	-8.0	0	3	84.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								87.0
<b>STP1 - No.391A Shek Tsai Po Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89	√	89	7	-24.9	0	3	67.1
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.1
<b>KHB2 - No.33 Kat Hing Back Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	2	-14.0	0	3	78.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								78.0
<b>TOM - No.4 Tai O Market Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0

Project Specific PME Item	Max SWL dB(A)	Affected	Total SWL, dB(A)	Dist. From	Dist. Corr.,	Screenin g <sup>(1)</sup> Corr.,	Façade Corr.,	Corrected Noise Levels, dB(A)
<b>TOTP1 - No.190 Tai O Tai Ping Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	2	-14.0	0	3	78.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								78.0
<b>TOTP3 - No.150 Tai O Tai Ping Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>KHH - Kam Hin House</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	11	-28.8	0	3	63.2
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96	v	96	151	-51.6	0	3	47.4
Total								63.3
<b>TOTP4 - Wing Chor School</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	6	-23.5	0	3	68.5
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								68.5
<b>TOWO1 - No.10 Tai O Wing On Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	2	-14.0	0	3	78.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								78.0
<b>TOWO2 - No.52 Tai O Wing On Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>TOWO3 - No.100 Tai O Wing On Street</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>LUT1 - No.53 Leung UK Tsuen</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>LUT2 - No.21A Leung UK Tsuen</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	3	-17.5	0	3	74.5
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								74.5

Project Specific PME Item	Max SWL dB(A)	Affected	Total SWL, dB(A)	Dist. From	Dist. Corr.,	Screenin g <sup>(1)</sup> Corr.,	Façade Corr.,	Corrected Noise Levels, dB(A)
<b>NCT1 - No. 9 Nam Chung Tsuen</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	3	-17.5	0	3	74.5
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								74.5
<b>NCT3 - No. 7C Nam Chung Tsuen</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>NCT6 - No.10 Nam Chung Tsuen</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	8	-26.0	0	3	66.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101	v	101	11	-28.8	0	3	75.2
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								75.7
<b>NTST1 - No.4 Nam Tong Sun Tsuen</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>BCM - Buddhist Cheung Mui Kwai Kindergarten</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	49	-41.8	0	3	50.2
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								50.2
<b>BHMC - Buddhist Ho Memorial College</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	214	-54.6	0	3	37.4
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96	v	96	148	-51.4	0	3	47.6
Total								48.0
<b>WHV1 - Temple (Wang Hang Village)</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>WHV2 - No. 4 Wang Hang Village</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>WHV3 - No.1 Wang Hang Village</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.0
<b>WHV4 - No.21 Wang Hang Village</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	v	89	22	-34.8	0	3	57.2
Works Type 2 - Construction of Sewer (Trenchless Method)	108	v	108	48	-41.6	0	3	69.4
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101	v	101	46	-41.2	0	3	62.8
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								70.5

Project Specific PME Item	Max SWL dB(A)	Affected	Total SWL, dB(A)	Dist. From	Dist. Corr.,	Screenin g <sup>(1)</sup> Corr.,	Façade Corr.,	Corrected Noise Levels, dB(A)
<b>WHV5 - No.14 Wang Hang Village</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	9	-27.1	0	3	64.9
Works Type 2 - Construction of Sewer (Trenchless Method)	108	√	108	119	-49.5	0	3	61.5
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101	√	101	139	-50.8	0	3	53.2
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								66.8
<b>WHV6 - No.18 Wang Hang Village</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108	√	108	48	-41.6	0	3	69.4
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101	√	101	34	-38.6	0	3	65.4
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.2
<b>WHV7 - No.25 Wang Hang Village</b>								
Works Type 1 - Construction of Sewer (Open Cut Method)	89	√	89	1	-8.0	0	3	84.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108	√	108	48	-41.6	0	3	69.4
Works Type 3 - Upgrading of Existing Sewer	89		0	0	0.0	0	0	0.0
Works Type 4 - Construction of Tai O Sewage Treatment Works	122		0	0	0.0	0	0	0.0
Works Type 5 - Construction of Hang Mei Sewage Pumping Station	101	√	101	34	-38.6	0	3	65.4
Works Type 6 - Construction of Fan Kwai Tong Sewage Pumping Station	101		0	0	0.0	0	0	0.0
Works Type 7 - Temporary Workings Area at Yim Tin Pok Temporary Playground	96		0	0	0.0	0	0	0.0
Total								84.2

Summary of Construction Noise Levels at Representative NSRs - Mitigated Scenario

NSR	Nature of Use	Predicted Mitigated Cumulative Construction Noise Level, dB(A)	Noise Criteria, dB(A)	Noise Exceedance, dB(A)
SST	Dormitory	71	75	0
HST	Temple	58	75	0
STP2	Residential	84	75	9
STP3	Residential	84	75	9
STP4	Residential	84	75	9
STP5	Residential	87	75	12
STP1	Residential	84	75	9
KHB2	Residential	78	75	3
TOM	Residential	84	75	9
TOTP1	Residential	78	75	3
TOTP3	Residential	84	75	9
KHH	Residential	63	75	0
TOTP4	School	68	70/65*	2
TOWO1	Residential	78	75	3
TOWO2	Residential	84	75	9
TOWO3	Residential	84	75	9
LUT1	Residential	84	75	9
LUT2	Residential	74	75	0
NCT1	Residential	74	75	0
NCT3	Residential	84	75	9
NCT6	Residential	76	75	1
NTST1	Residential	84	75	9
BCM	School	50	70/65*	0
BHMC	School	48	70/65*	0
WHV1	Temple	84	75	9
WHV2	Residential	84	75	9
WHV3	Residential	84	75	9
WHV4	Residential	70	75	0
WHV5	Residential	67	75	0
WHV6	Residential	84	75	9
WHV7	Residential	84	75	9

Detailed Calculation of Residual Impact for Construction of Sewer (Open Cut Method) at Representative NSRs

Works Type 1 - Open Cut Method

Project Specific PME Item	Max SWL dB(A)	Dist. From	Dist. Corr.,	Screenin g <sup>(1)</sup>	Façade Corr.,	Corrected Noise Levels, dB(A)
<b>STP2 - No.16 Shek Tsai Po Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>STP3 - No.6 Shek Tsai Po Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>STP5 - No.21 Shek Tsai Po Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>STP1 - No.391A Shek Tsai Po Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>KHB2 - No.33 Kat Hing Back Street</b>						
Stage 1 - Breaking up of road surface	86	2	-14.0	0	3	75
Stage 2 - Excavation of soil material	89	2	-14.0	0	3	78
Stage 3 - Steel fixing & concreting of manholes	82	2	-14.0	0	3	71
Stage 4 - Laying of bedding material	84	2	-14.0	0	3	73
Stage 5 - Backfilling and soil compaction	89	2	-14.0	0	3	78
Stage 6 - Reinstatement of road surface	84	2	-14.0	0	3	73
<b>TOM - No.4 Tai O Market Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>TOTP1 - No.190 Tai O Tai Ping Street</b>						
Stage 1 - Breaking up of road surface	86	2	-14.0	0	3	75
Stage 2 - Excavation of soil material	89	2	-14.0	0	3	78
Stage 3 - Steel fixing & concreting of manholes	82	2	-14.0	0	3	71
Stage 4 - Laying of bedding material	84	2	-14.0	0	3	73
Stage 5 - Backfilling and soil compaction	89	2	-14.0	0	3	78
Stage 6 - Reinstatement of road surface	84	2	-14.0	0	3	73
<b>TOTP3 - No.150 Tai O Tai Ping Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>TOTP4 - Wing Chor School</b>						
Stage 1 - Breaking up of road surface	86	6	-23.5	0	3	65
Stage 2 - Excavation of soil material	89	6	-23.5	0	3	68
Stage 3 - Steel fixing & concreting of manholes	82	6	-23.5	0	3	61
Stage 4 - Laying of bedding material	84	6	-23.5	0	3	63
Stage 5 - Backfilling and soil compaction	89	6	-23.5	0	3	68
Stage 6 - Reinstatement of road surface	84	6	-23.5	0	3	63
<b>TOWO1 - No.10 Tai O Wing On Street</b>						
Stage 1 - Breaking up of road surface	86	2	-14.0	0	3	75
Stage 2 - Excavation of soil material	89	2	-14.0	0	3	78
Stage 3 - Steel fixing & concreting of manholes	82	2	-14.0	0	3	71
Stage 4 - Laying of bedding material	84	2	-14.0	0	3	73
Stage 5 - Backfilling and soil compaction	89	2	-14.0	0	3	78
Stage 6 - Reinstatement of road surface	84	2	-14.0	0	3	73
<b>TOWO2 - No.52 Tai O Wing On Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>TOWO3 - No.100 Tai O Wing On Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>LUT1 - No.53 Leung UK Tsuen</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79

**Detailed Calculation of Residual Impact for Construction of Sewer (Open Cut Method) at Representative NSRs**  
**Works Type 1 - Open Cut Method**

Project Specific PME Item	Max SWL dB(A)	Dist. From	Dist. Corr.,	Screenin g <sup>(1)</sup>	Façade Corr.,	Corrected Noise Levels, dB(A)
<b>LUT2 - No.21A Leung UK Tsuen</b>						
Stage 1 - Breaking up of road surface	86	3	-17.5	0	3	71
Stage 2 - Excavation of soil material	89	3	-17.5	0	3	74
Stage 3 - Steel fixing & concreting of manholes	82	3	-17.5	0	3	67
Stage 4 - Laying of bedding material	84	3	-17.5	0	3	69
Stage 5 - Backfilling and soil compaction	89	3	-17.5	0	3	74
Stage 6 - Reinstatement of road surface	84	3	-17.5	0	3	69
<b>NCT1 - No. 9 Nam Chung Tsuen</b>						
Stage 1 - Breaking up of road surface	86	3	-17.5	0	3	71
Stage 2 - Excavation of soil material	89	3	-17.5	0	3	74
Stage 3 - Steel fixing & concreting of manholes	82	3	-17.5	0	3	67
Stage 4 - Laying of bedding material	84	3	-17.5	0	3	69
Stage 5 - Backfilling and soil compaction	89	3	-17.5	0	3	74
Stage 6 - Reinstatement of road surface	84	3	-17.5	0	3	69
<b>NCT3 - No. 7C Nam Chung Tsuen</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>NTST1 - No.4 Nam Tong Sun Tsuen</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>WHV1 - Temple (Wang Hang Village)</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>WHV2 - No. 4 Wang Hang Village</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>WHV3 - No.1 Wang Hang Village</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>WHV6 - No.18 Wang Hang Village</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>WHV7 - No.25 Wang Hang Village</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Steel fixing & concreting of manholes	82	1	-8.0	0	3	77
Stage 4 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 5 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 6 - Reinstatement of road surface	84	1	-8.0	0	3	79

**Detailed Calculation of Residual Impact for Upgrading of Existing Sewer at Representative NSRs**  
**Works Type 3 - Upgrading of Existing Sewer**

Project Specific PME Item	Max SWL dB(A)	Dist. From	Dist. Corr.,	Screenin g <sup>(1)</sup> Corr.,	Façade Corr.,	Corrected Noise Levels, dB(A)
<b>STP4 - No.88 Shek Tsai Po Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Removal of existing sewers and laying of new sewers	89	1	-8.0	0	3	84
Stage 4 - Steel fixing and concreting of manholes	82	1	-8.0	0	3	77
Stage 5 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 6 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 7 - Reinstatement of road surface	84	1	-8.0	0	3	79
<b>STP5 - No.21 Shek Tsai Po Street</b>						
Stage 1 - Breaking up of road surface	86	1	-8.0	0	3	81
Stage 2 - Excavation of soil material	89	1	-8.0	0	3	84
Stage 3 - Removal of existing sewers and laying of new sewers	89	1	-8.0	0	3	84
Stage 4 - Steel fixing and concreting of manholes	82	1	-8.0	0	3	77
Stage 5 - Laying of bedding material	84	1	-8.0	0	3	79
Stage 6 - Backfilling and soil compaction	89	1	-8.0	0	3	84
Stage 7 - Reinstatement of road surface	84	1	-8.0	0	3	79