

Mitigated Construction Noise Impact on A/NSR12 (Works type 1 associated with new cycle tracks, fill slopes, retaining wall, or structures)												
Noise Criterion, Leq (30 min) = 75 dB(A)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Slant dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 1 - Site Clearance												
Mini excavator	[Note 1]	1	94	94	8.0	-26.0	100%	0.0	-5.0	3.0	66	
Mobile crane	BS5228 Table C.7/118	1	99	99	8.0	-26.0	100%	0.0	-5.0	3.0	71	
Dump truck	BS5228 Table C.9/39	1	103	103	8.0	-26.0	50%	-3.0	-5.0	3.0	72	
Hand-held electric circular saw	BS5228 Table C.7/75	1	105	105	8.0	-26.0	100%	0.0	-10.0	3.0	72	
Total CNL, dB(A)											77	
Stage 2 - Levelling/ Excavation works												
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	8.0	-26.0	100%	0.0	-10.0	3.0	69	
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	2	108	111	8.0	-26.0	100%	0.0	-10.0	3.0	78	
Dump truck	BS5228 Table C.9/39	1	103	103	8.0	-26.0	50%	-3.0	-5.0	3.0	72	
Mini excavator	[Note 1]	1	94	94	8.0	-26.0	100%	0.0	-5.0	3.0	66	
Total CNL, dB(A)											80	
Stage 3 - Construction/ Paving works												
Group 1 - slope works/ retaining wall												
Bar bender and cutter (electric)	CNP 021	1	90	90	8.0	-26.0	100%	0.0	-5.0	3.0	62	
Vibrating Hammer	[Note 1]	1	115	115	8.0	-26.0	100%	0.0	-10.0	3.0	82	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	8.0	-26.0	100%	0.0	-5.0	3.0	72	
Concrete lorry mixer (6m3)	BS5228 Table C.6/23	1	100	100	8.0	-26.0	100%	0.0	-5.0	3.0	72	
Lorry	BS5228 Table C.8/25	1	101	101	8.0	-26.0	100%	0.0	-5.0	3.0	73	
Poker, vibratory, hand-held	BS5228 Table C.6/40	1	98	98	8.0	-26.0	100%	0.0	-5.0	3.0	70	
Mini excavator	[Note 1]	1	94	94	8.0	-26.0	100%	0.0	-5.0	3.0	66	
Mobile crane	BS5228 Table C.7/118	1	99	99	8.0	-26.0	100%	0.0	-5.0	3.0	71	
Total CNL, dB(A)											84	
Group 2 - paving works												
Asphalt paver	BS5228 Table C.8/24	1	101	101	8.0	-26.0	100%	0.0	-5.0	3.0	73	
Mini excavator	[Note 1]	1	94	94	8.0	-26.0	100%	0.0	-5.0	3.0	66	
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	8.0	-26.0	100%	0.0	-10.0	3.0	69	
Compactor, vibratory	CNP 050	1	105	105	8.0	-26.0	50%	-3.0	-10.0	3.0	69	
Lorry	BS5228 Table C.8/25	1	101	101	8.0	-26.0	100%	0.0	-5.0	3.0	73	
Road roller	BS5228 Table C.8/30	1	101	101	8.0	-26.0	100%	0.0	-5.0	3.0	73	
Total CNL, dB(A)											79	
Group 3 - foundation for bridges												
Crane mounted auger	BS5228 Table C.4/37	1	111	111	8.0	-26.0	100%	0.0	-10.0	3.0	78	
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	2	102	105	8.0	-26.0	100%	0.0	-10.0	3.0	72	
Mobile crane	BS5228 Table C.7/118	1	99	99	8.0	-26.0	100%	0.0	-5.0	3.0	71	
Grout Mixer	[Note 1]	1	90	90	8.0	-26.0	100%	0.0	-5.0	3.0	62	
Grout Pump	[Note 1]	1	105	105	8.0	-26.0	100%	0.0	-5.0	3.0	77	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	8.0	-26.0	100%	0.0	-5.0	3.0	72	
Total CNL, dB(A)											82	
Group 4 - structures/subways/bridges												
Mini excavator	[Note 1]	1	94	94	8.0	-26.0	100%	0.0	-5.0	3.0	66	
Bar bender and cutter (electric)	CNP 021	1	90	90	8.0	-26.0	100%	0.0	-5.0	3.0	62	
Concrete lorry mixer (6m3)	BS5228 Table C.6/23	1	100	100	8.0	-26.0	100%	0.0	-5.0	3.0	72	
Compactor, vibratory	CNP 050	1	105	105	8.0	-26.0	50%	-3.0	-10.0	3.0	69	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	8.0	-26.0	100%	0.0	-5.0	3.0	72	
Poker, vibratory, hand-held	BS5228 Table C.6/40	1	98	98	8.0	-26.0	100%	0.0	-5.0	3.0	70	
Lorry	BS5228 Table C.8/25	1	101	101	8.0	-26.0	100%	0.0	-5.0	3.0	73	
Mobile crane	BS5228 Table C.7/118	1	99	99	8.0	-26.0	100%	0.0	-5.0	3.0	71	
Total CNL, dB(A)											79	
[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf												
NB Group 1 - 4 works will not be conducted simultaneously. Work stages will not overlap.											Max. =	84

Mitigated Construction Noise Impact on A/NSR01 (Works Type 2 involving resting stations/ Information Kiosk)												
Noise Criterion, Leq (30 min) = 75 dB(A)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Slant dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 1 - Site Clearance												
Mini excavator	[Note 1]	1	94	94	156.0	-51.8	100%	0.0	-5.0	3.0	40	
Mobile crane	BS5228 Table C.7/118	1	99	99	156.0	-51.8	100%	0.0	-5.0	3.0	45	
Dump truck	BS5228 Table C.9/39	1	103	103	156.0	-51.8	50%	-3.0	-5.0	3.0	46	
Hand-held electric circular saw	BS5228 Table C.7/75	1	105	105	156.0	-51.8	100%	0.0	-10.0	3.0	46	
											Total CNL, dB(A)	51
Stage 2 - Levelling/ Excavation works												
Air compressor, air flow > 10m ³ /min and <= 30m ³ /min	CNP 002	1	102	102	156.0	-51.8	100%	0.0	-10.0	3.0	43	
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	2	108	111	156.0	-51.8	100%	0.0	-10.0	3.0	52	
Dump truck	BS5228 Table C.9/39	1	103	103	156.0	-51.8	50%	-3.0	-5.0	3.0	46	
Mini excavator	[Note 1]	1	94	94	156.0	-51.8	100%	0.0	-5.0	3.0	40	
											Total CNL, dB(A)	54
Stage 3 - Construction/ Paving works												
Group 1 - slope works/ retaining wall												
Bar bender and cutter (electric)	CNP 021	1	90	90	156.0	-51.8	100%	0.0	-5.0	3.0	36	
Vibrating Hammer	[Note 1]	1	115	115	156.0	-51.8	100%	0.0	-10.0	3.0	56	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	156.0	-51.8	100%	0.0	-5.0	3.0	46	
Concrete lorry mixer (6m ³)	BS5228 Table C.6/23	1	100	100	156.0	-51.8	100%	0.0	-5.0	3.0	46	
Lorry	BS5228 Table C.8/25	1	101	101	156.0	-51.8	100%	0.0	-5.0	3.0	47	
Poker, vibratory, hand-held	BS5228 Table C.6/40	1	98	98	156.0	-51.8	100%	0.0	-5.0	3.0	44	
Mini excavator	[Note 1]	1	94	94	156.0	-51.8	100%	0.0	-5.0	3.0	40	
Mobile crane	BS5228 Table C.7/118	1	99	99	156.0	-51.8	100%	0.0	-5.0	3.0	45	
											Total CNL, dB(A)	58
Group 2 - paving works												
Asphalt paver	BS5228 Table C.8/24	1	101	101	156.0	-51.8	100%	0.0	-5.0	3.0	47	
Mini excavator	[Note 1]	1	94	94	156.0	-51.8	100%	0.0	-5.0	3.0	40	
Air compressor, air flow > 10m ³ /min and <= 30m ³ /min	CNP 002	1	102	102	156.0	-51.8	100%	0.0	-10.0	3.0	43	
Compactor, vibratory	CNP 050	1	105	105	156.0	-51.8	50%	-3.0	-10.0	3.0	43	
Lorry	BS5228 Table C.8/25	1	101	101	156.0	-51.8	100%	0.0	-5.0	3.0	47	
Road roller	BS5228 Table C.8/30	1	101	101	156.0	-51.8	100%	0.0	-5.0	3.0	47	
											Total CNL, dB(A)	53
Group 3 - structures												
Mini excavator	[Note 1]	1	94	94	156.0	-51.8	100%	0.0	-5.0	3.0	40	
Bar bender and cutter (electric)	CNP 021	1	90	90	156.0	-51.8	100%	0.0	-5.0	3.0	36	
Concrete lorry mixer (6m ³)	BS5228 Table C.6/23	1	100	100	156.0	-51.8	100%	0.0	-5.0	3.0	46	
Compactor, vibratory	CNP 050	1	105	105	156.0	-51.8	50%	-3.0	-10.0	3.0	43	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	156.0	-51.8	100%	0.0	-5.0	3.0	46	
Poker, vibratory, hand-held	BS5228 Table C.6/40	1	98	98	156.0	-51.8	100%	0.0	-5.0	3.0	44	
Lorry	BS5228 Table C.8/25	1	101	101	156.0	-51.8	100%	0.0	-5.0	3.0	47	
Mobile crane	BS5228 Table C.7/118	1	99	99	156.0	-51.8	100%	0.0	-5.0	3.0	45	
											Total CNL, dB(A)	53
Group 4 - fitting works												
Mobile crane	BS5228 Table C.7/118	1	99	99	156.0	-51.8	100%	0.0	-5.0	3.0	45	
Drill/grinder, hand-held (electric)	CNP 065	3	98	103	156.0	-51.8	100%	0.0	-5.0	3.0	49	
Hand-held electric circular saw	BS5228 Table C.7/75	1	105	105	156.0	-51.8	100%	0.0	-5.0	3.0	51	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	156.0	-51.8	100%	0.0	-5.0	3.0	46	
Lorry	BS5228 Table C.8/25	1	101	101	156.0	-51.8	100%	0.0	-5.0	3.0	47	
											Total CNL, dB(A)	55
[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf												
NB Group 1 - 4 works will not be conducted simultaneously. Work stages will not overlap.											Max. =	58

NSR Label	Descriptions	Floor	Distance, metre			Subject to noise from Works Type		Noise Criteria, dB(A)	Mitigated Worst Case Noise Impact, dB(A)	Mitigated Noise Impact, dB(A) Works Type 1						Mitigated Noise Impact, dB(A) Works Type 2					
			NSR to Site Boundary	Vert. dist	Slant dist.	1	2			[1]	[2]	[3-1]	[3-2]	[1-3-3]	[1-3-4]	[1]	[2]	[3-1]	[3-2]	[2-3-3]	[2-3-4]
Existing Noise Sensitive Uses																					
A/NSR01	Village House near Kam Tin River (Possible cumulative noise impact due to cycle track & R5)	G/F	55	0.7	55.0	Y	Y	75	64	60	63	62									
		1/F		3.5	55.1				64	60	63	62									
		2/F		6.3	55.4				64	60	63	62									
	Village House near Kam Tin River (Impact due to Resting Station - R5 only)	G/F	156	0.0	156.0		Y	75	58	-	-	-	-	-	-	51	54	58	53	53	55
		1/F		2.8	156.0				58	-	-	-	-	-	-	51	54	58	53	53	55
		2/F		5.6	156.1				58	-	-	-	-	-	-	51	54	58	53	53	55
A/NSR02	Village House near Kam Tin River	G/F	77	0.7	77.0	Y		75	60	57	60	59									
		1/F		3.5	77.1				60	57	60	59									
		2/F		6.3	77.3				60	57	60	59									
A/NSR03	No.28 Man Yuen Chuen (Possible cumulative noise impact due to cycle track & R6)	G/F	24	1.1	24.0	Y	Y	75	74	67	70	74	69		69						
		1/F		3.9	24.3				74	67	70	74	69		69						
		2/F		9.5	25.8				74	67	70	74	69		69						
	No.28 Man Yuen Chuen (Impact due to Resting Station - R6 only)	G/F	94	0.1	94.0		Y	75	62	-	-	-	-	-	-	55	58	62	57	57	59
		1/F		2.9	94.0				62	-	-	-	-	-	-	55	58	62	57	57	59
		2/F		8.5	94.4				62	-	-	-	-	-	-	55	58	62	57	57	59
A/NSR04	Wong Chan Sook Ying Memorial School	G/F	97	1.0	97.0	Y		70	62	55	58	62	57								
		2/F		6.6	97.2				62	55	58	62	57								
		4/F		12.2	97.8				62	55	58	62	57								
	Wong Chan Sook Ying Memorial School (Examination Period)	G/F	97	1.0	97.0	Y		65	62	55	58	62	57								
		2/F		6.6	97.2				62	55	58	62	57								
		4/F		12.2	97.8				62	55	58	62	57								
A/NSR04a	No. 10 Yau Pok Road	G/F	60	0.7	60.0	Y		75	66	59	62	66	61								
		1/F		3.5	60.1				66	59	62	66	61								
		2/F		6.3	60.3				66	59	62	66	61								
A/NSR05	Bethel High School	G/F	80	0.3	80.0	Y		70	64	57	60	64	59								
		1/F		3.1	80.1				64	57	60	64	59								
		3/F		14.3	81.3				64	57	60	64	59								
	Bethel High School (Examination Period)	G/F	80	0.3	80.0	Y		65	64	57	60	64	59								
		1/F		3.1	80.1				64	57	60	64	59								
		3/F		14.3	81.3				64	57	60	64	59								
A/NSR06	House in Fairview Park	G/F	37	0.9	37.0	Y		75	71	64	67	71	66								
		1/F		3.7	37.2				71	64	67	71	66								
		2/F		9.3	38.2				70	63	66	70	65								
A/NSR07	No. 53 Castle Peak Road - Mai Po (NB: distance from retaining wall is 66 m)	G/F	12	0.9	12.0	Y		75	76	73	76	66	75								
A/NSR08	No.1, Yau Mei San Tsuen (Possible cumulative noise impact due to cycle track & R7) (NB: distance from retaining wall is 80 m)	G/F	21	0.5	21.0	Y	Y	75	72	69	72	64	71								
		1/F		3.3	21.3				72	68	71	64	70								
		2/F		6.1	21.9				72	68	71	64	70								
	No.1, Yau Mei San Tsuen (Impact due to Resting Station - R7 only)	G/F	95	1.0	95.0		Y	75	62	-	-	-	-	-	-	55	58	62	57	57	59
		1/F		3.8	95.1				62	-	-	-	-	-	-	55	58	62	57	57	59
		2/F		6.6	95.2				62	-	-	-	-	-	-	55	58	62	57	57	59

Works Type: [1] Site clearance; [2] levelling/ excavation; [3-1] Slope works/ retaining wall; [3-2] Paving; [1-3-3] Foundation for bridges; [1-3-4] Structure/ subway/ bridge; [2-3-3] Structures; [2-3-4] Fitting

NSR Label	Descriptions	Floor	Distance, metre			Subject to noise from Works Type		Noise Criteria, dB(A)	Mitigated Worst Case Noise Impact, dB(A)	Mitigated Noise Impact, dB(A) Works Type 1						Mitigated Noise Impact, dB(A) Works Type 2					
			NSR to Site Boundary	Vert. dist	Slant dist.	1	2			[1]	[2]	[3-1]	[3-2]	[1-3-3]	[1-3-4]	[1]	[2]	[3-1]	[3-2]	[2-3-3]	[2-3-4]
Existing Noise Sensitive Uses																					
A/NSR09	House in Green Crest	G/F 1/F 2/F	123	3.4 6.2 9.0	123.0 123.2 123.3	Y		75	56 56 56	53 53 53	56 56 56		55 55 55								
A/NSR10	House in Royal Palms	G/F 1/F 2/F	123	0.0 2.8 5.6	123.0 123.0 123.1	Y		75	60 60 60	53 53 53	56 56 56	60 60 60	55 55 55								
A/NSR11	House B15 in Maple Gardens (NB: distance from retaining wall is 138 m)	G/F 1/F 2/F	86	5.2 8.0 10.8	86.2 86.4 86.7	Y		75	59 59 59	56 56 56	59 59 59	59 59 59	58 58 58								
A/NSR11a	House C1, Casa Paradizo	G/F 1/F 2/F	70	5.2 8.0 10.8	70.2 70.5 70.8	Y		75	65 65 65	58 58 58	61 61 61	65 65 65	60 60 60								
A/NSR12	No.159 Mai Po San Tsuen (NB: distance from retaining wall is 60 m)	G/F 1/F 2/F	8	0.7 3.5 6.3	8.0 8.7 10.2	Y		75	80 79 78	77 76 75	80 79 78	66 66 66	79 78 77								
A/NSR13	No. 1C Mai Po Lo Wai	G/F 1/F 2/F	12	1.2 4.0 6.8	12.1 12.7 13.8	Y		75	80 80 79	73 73 72	76 76 75	80 80 79	75 75 74								
A/NSR13a	Yeung Hau Temple (NB: distance from retaining wall is 70 m)	G/F	15	1.2	15.1	Y		70	74	71	74	65	73								
A/NSR14	No.111 Tsing Lung Tsuen	G/F 1/F 2/F	80	-0.1 2.7 8.3	80.0 80.0 80.4	Y	Y	75	64 64 64	57 57 57	60 60 60	64 64 64	59 59 59								
	No.111 Tsing Lung Tsuen (Impact due to Resting Station - R8 only)	G/F 1/F 2/F	285	-0.1 2.7 8.3	285.0 285.0 285.1		Y	75	53 53 53	- - -	- - -	- - -	- - -	- - -	46 46 46	49 49 49	53 53 53	48 48 48	48 48 48	50 50 50	
A/NSR15	No. 88 Yan Shau Wai (NB: distance from retaining wall is 123 m)	G/F 1/F 2/F	72	0.4 3.2 6.0	72.0 72.1 72.3	Y		75	61 61 61	58 58 58	61 61 61	60 60 60	60 60 60								
A/NSR16	No. 68N Tung Chan Wai (NB: distance from retaining wall is 175 m)	G/F 1/F 2/F	70	2.5 5.3 8.1	70.0 70.2 70.5	Y		75	61 61 61	58 58 58	61 61 61	57 57 57	60 60 60								
A/NSR17	No. 78 Tung Chan Wai (NB: distance from retaining wall is 185 m)	G/F 1/F 2/F	67	2.2 5.0 7.8	67.0 67.2 67.5	Y		75	62 62 61	59 59 58	62 62 61	57 57 57	61 61 60								

Works Type: [1] Site clearance; [2] levelling/ excavation; [3-1] Slope works/ retaining wall; [3-2] Paving; [1-3-3] Foundation for bridges; [1-3-4] Structure/ subway/ bridge; [2-3-3] Structures; [2-3-4] Fitting

NSR Label	Descriptions	Floor	Distance, metre			Subject to noise from Works Type		Noise Criteria, dB(A)	Mitigated Worst Case Noise Impact, dB(A)	Mitigated Noise Impact, dB(A) Works Type 1						Mitigated Noise Impact, dB(A) Works Type 2					
			NSR to Site Boundary	Vert. dist	Slant dist.	1	2			[1]	[2]	[3-1]	[3-2]	[1-3-3]	[1-3-4]	[1]	[2]	[3-1]	[3-2]	[2-3-3]	[2-3-4]
Existing Noise Sensitive Uses																					
A/NSR18	B15 of Europa Garden	G/F	67	2.9	67.1	Y		75	62	59	62		61								
		1/F		5.7	67.2				62	59	62		61								
		2/F		8.5	67.5				61	58	61		60								
A/NSR19	Block 2, Dills Corner Garden	G/F	6	1.1	6.1	Y		75	82	79	82		81								
		1/F		3.9	7.2				81	78	81		80								
A/NSR20	Ku Tung Public Oi Wah School	G/F	150	0.7	150.0	Y		70	59	52	55	59	54								
		1/F		3.5	150.0				59	52	55	59	54								
		2/F		6.3	150.1				59	52	55	59	54								
	Ku Tung Public Oi Wah School (Examination Period)	G/F	150	0.7	150.0	Y		65	59	52	55	59	54								
		1/F		3.5	150.0				59	52	55	59	54								
		2/F		6.3	150.1				59	52	55	59	54								
A/NSR21	Home of Loving Faithfulness (NB: distance from retaining wall is 72m)	G/F	13	2.0	13.1	Y		75	76	73	76	65	75								
		1/F		4.8	13.8				75	72	75	65	74								
		2/F		7.6	15.0				75	72	75	65	74								
A/NSR22	No.D2A Ho Sheung Heung	G/F	84	0.9	84.0	Y	Y	75	65	57	60	64	59								
		1/F		3.7	84.1				65	57	60	64	59								
		2/F		6.5	84.3				65	57	60	64	59								
	No.D2A Ho Sheung Heung (Impact due to Resting Station - R9 and Information Kiosk only)	G/F	161	0.9	161.0		Y	75	58	-	-	-	-	-	51	54	58	53	53		
		1/F		3.7	161.0				58	-	-	-	-	-	51	54	58	53	53		
		2/F		6.5	161.1				58	-	-	-	-	-	51	54	58	53	53		
A/NSR23	No. C110 Tsung Pak Long Village	G/F	24	1.0	24.0	Y		75	74	67	70	74	69	72	69	-	-	-	-		
		1/F		3.8	24.3				74	67	70	74	69	72	69	-	-	-	-		
		2/F		9.4	25.8				74	67	70	74	69	72	69	-	-	-	-		
Planned Noise Sensitive Uses																					
A/NSR_P01a	"CDA" site as in Kam Tin North OZP No. S/YL-KTN/7	G/F	260	1.1	260.0	Y		75	54	47	50	54	49								
		1/F		3.9	260.0				54	47	50	54	49								
A/NSR_P01	Application no.: A/DPA/YL-NSW/012, Approved Use - Golf Course and Residential Development	G/F	275	0.5	275.0	Y		75	53	46	49	53	48								
		1/F		3.3	275.0				53	46	49	53	48								
		2/F		6.1	275.1				53	46	49	53	48								
A/NSR_P02	Application No.: A/YL-MP/156, Approved Use - Houses with Ancillary Club House and Recreational Facilities	G/F	85	0.1	85.0	Y		75	63	56	59	63	58								
		1/F		2.9	85.0				63	56	59	63	58								
		2/F		5.7	85.2				63	56	59	63	58								
A/NSR_P03	Application No.: A/YL-MP/146, Approved Uses - Residential Development	G/F	82	-1.0	82.0	Y		75	64	57	60	64	59								
		1/F		1.8	82.0				64	57	60	64	59								
		2/F		4.6	82.1				64	57	60	64	59								
A/NSR_P04	Application No.: A/NE-KTS/228-1, Approved Use - Houses	G/F	60	-0.4	60.0	Y		75	66	59	62	66	61								
		1/F		2.4	60.0				66	59	62	66	61								
		2/F		5.2	60.2				66	59	62	66	61								

Works Type: [1] Site clearance; [2] levelling/ excavation; [3-1] Slope works/ retaining wall; [3-2] Paving; [1-3-3] Foundation for bridges; [1-3-4] Structure/ subway/ bridge; [2-3-3] Structures; [2-3-4] Fitting

NSR Label	Descriptions	Floor	Distance, metre			Noise Criteria, dB(A)	Mitigated Worst Case Noise Impact, dB(A)	Mitigated Noise Impact, dB(A)					
			NSR to Site Boundary	Vert. dist	Slant dist.			Works Type 1					
								[1]	[2]	[3-1]	[3-2]	[1-3-3]	[1-3-4]
Existing Noise Sensitive Uses													
A/NSR07	No. 53 Castle Peak Road - Mai Po (NB: distance from retaining wall is 66 m)	G/F	12	0.9	12.0	75	73	73	72	66	69		
A/NSR12	No.159 Mai Po San Tsuen	G/F	8	0.7	8.0	75	73	72	72		73		
		1/F		3.5	8.7		72	71	71	72			
		2/F		6.3	10.2		71	70	70	71			
A/NSR13	No. 1C Mai Po Lo Wai	G/F	12	1.2	12.1	75	75	73	72	75	69		
		1/F		4.0	12.7		75	73	72	75	69		
		2/F		6.8	13.8		74	72	71	74	68		
A/NSR13a	Yeung Hau Temple (NB: distance from retaining wall is 70m)	G/F	15	1.2	15.1	70	70	66	70	65	67		
A/NSR20	Block 2, Dills Corner Garden	G/F	6	1.1	6.1	75	75	74	74		75		
		1/F		3.9	7.2		74	73	73	74			
A/NSR22	Home of Loving Faithfulness (NB: distance from retaining wall is 72m)	G/F	13	2.0	13.1	75	73	73	72	65	69		
		1/F		4.8	13.8		73	73	72	65	69		
		2/F		7.6	15.0		70	66	70	64	68		

Works Type: [1] Site clearance; [2] levelling/ excavation; [3-1] Slope works/ retaining wall; [3-2] Paving; [1-3-3] Foundation for bridges; [1-3-4] Structure/ subway/ bridge; [2-3-3] Structures; [2-3-4] Fitting

Mitigated Construction Noise Impact on No. 53 Castle Peak Road – Mai Po												
A/NSR07 (Works type 1 associated with new cycle tracks. No works for bridge/ subway in the works area nearby)												
Noise Criterion, Leq (30 min) = 75 dB(A)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Horizontal dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 2 - Levelling/ Excavation works												
Sub-group A												
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	12.0	-29.6	100%	0.0	-10.0	3.0	65	
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	1	108	108	12.0	-29.6	100%	0.0	-10.0	3.0	71	
											Total	72
Sub-group B												
Dump truck	BS5228 Table C.9/39	1	103	103	12.0	-29.6	100%	0.0	-5.0	3.0	71	
Sub-group C												
Mini excavator	[Note 1]	1	94	94	12.0	-29.6	100%	0.0	-5.0	3.0	62	
Stage 3 - Construction/ Paving works												
Group 2- paving works												
Sub-group A												
Asphalt paver	BS5228 Table C.8/24	1	101	101	12.0	-29.6	100%	0.0	-5.0	3.0	69	
Sub-group B												
Mini excavator	[Note 1]	1	94	94	12.0	-29.6	100%	0.0	-5.0	3.0	62	
Sub-group C												
Lorry	BS5228 Table C.8/25	1	101	101	12.0	-29.6	100%	0.0	-5.0	3.0	69	
Sub-group D												
Road roller	BS5228 Table C.8/30	1	101	101	12.0	-29.6	100%	0.0	-5.0	3.0	69	
Sub-group E												
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	12.0	-29.6	100%	0.0	-10.0	3.0	65	
Compactor, vibratory	CNP 050	1	105	105	12.0	-29.6	50%	-3.0	-10.0	3.0	65	
											Total	68

[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Mitigated Construction Noise Impact on No.159 Mai Po San Tsuen (Works type 1 associated with new cycle tracks. No works for retaining wall/ bridge/ subway in the works area nearby)												
A/NSR12 (Works type 1 associated with new cycle tracks. No works for retaining wall/ bridge/ subway in the works area nearby)												
Noise Criterion, Leq (30 min) = 75 dB(A)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Horizontal dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 1 - Site Clearance												
Sub-group A												
Mini excavator	[Note 1]	1	94	94	8.0	-26.0	100%	0.0	-5.0	3.0	66	
Sub-group B												
Mobile crane	BS5228 Table C.7/118	1	99	99	8.0	-26.0	100%	0.0	-5.0	3.0	71	
Sub-group C												
Dump truck	BS5228 Table C.9/39	1	103	103	8.0	-26.0	50%	-3.0	-5.0	3.0	72	
Sub-group D												
Hand-held electric circular saw	BS5228 Table C.7/75	1	105	105	8.0	-26.0	100%	0.0	-10.0	3.0	72	
Stage 2 - Levelling/ Excavation works												
Sub-group A												
Road ripper, excavator mounted	[Note 1]	1	105	105	8.0	-26.0	100%	0.0	-10.0	3.0	72	
											Total	72
Sub-group B												
Dump truck	BS5228 Table C.9/39	1	103	103	8.0	-26.0	50%	-3.0	-5.0	3.0	72	
Sub-group C												
Mini excavator	[Note 1]	1	94	94	8.0	-26.0	100%	0.0	-5.0	3.0	66	
Stage 3 - Construction/ Paving works												
Group 2- paving works												
Sub-group A												
Asphalt paver	BS5228 Table C.8/24	1	101	101	8.0	-26.0	100%	0.0	-5.0	3.0	73	
Sub-group B												
Mini excavator	[Note 1]	1	94	94	8.0	-26.0	100%	0.0	-5.0	3.0	66	
Sub-group C												
Lorry	BS5228 Table C.8/25	1	101	101	8.0	-26.0	100%	0.0	-5.0	3.0	73	
Sub-group D												
Road roller	BS5228 Table C.8/30	1	101	101	8.0	-26.0	100%	0.0	-5.0	3.0	73	
Sub-group E												
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	8.0	-26.0	100%	0.0	-10.0	3.0	69	
Compactor, vibratory	CNP 050	1	105	105	8.0	-26.0	50%	-3.0	-10.0	3.0	69	
											Total	72

[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Mitigated Construction Noise Impact on No. 1C Mai Po Lo Wai												
A/NSR13		(Works type 1 associated with new cycle tracks. No works for bridge/ subway in the works area nearby)										
Noise Criterion, Leq (30 min) = 75 dB(A)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Horizontal dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 2 - Levelling/ Excavation works												
Sub-group A											Total	72
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	12.0	-29.6	100%	0.0	-10.0	3.0	65	
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	1	108	108	12.0	-29.6	100%	0.0	-10.0	3.0	71	
Sub-group B												
Dump truck	BS5228 Table C.9/39	1	103	103	12.0	-29.6	100%	0.0	-5.0	3.0	71	
Sub-group C												
Mini excavator	[Note 1]	1	94	94	12.0	-29.6	100%	0.0	-5.0	3.0	62	
Stage 3 - Construction/ Paving works												
Group 1 - slope works/ retaining wall												
Sub-group A											Total	69
Bar bender and cutter (electric)	CNP 021	1	90	90	12.0	-29.6	100%	0.0	-5.0	3.0	58	
Mini excavator	[Note 1]	1	94	94	12.0	-29.6	100%	0.0	-5.0	3.0	62	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	12.0	-29.6	100%	0.0	-5.0	3.0	68	
Sub-group B											Total	75
Crane mounted auger	BS5228 Table C.4/37	1	111	111	12.0	-29.6	100%	0.0	-10.0	3.0	74	
Mini excavator	[Note 1]	1	94	94	12.0	-29.6	100%	0.0	-5.0	3.0	62	
Generator, silenced, 75 dB(A) at 7 m	CNP 102	1	100	100	12.0	-29.6	100%	0.0	-5.0	3.0	68	
Sub-group C												
Mobile crane	BS5228 Table C.7/118	1	99	99	12.0	-29.6	100%	0.0	-5.0	3.0	67	
Sub-group D												
Lorry	BS5228 Table C.8/25	1	101	101	12.0	-29.6	100%	0.0	-5.0	3.0	69	
Sub-group E											Total	70
Concrete lorry mixer (6m3)	BS5228 Table C.6/23	1	100	100	12.0	-29.6	100%	0.0	-5.0	3.0	68	
Poker, vibratory, hand-held	BS5228 Table C.6/40	1	98	98	12.0	-29.6	100%	0.0	-5.0	3.0	66	
Group 2- paving works												
Sub-group A												
Asphalt paver	BS5228 Table C.8/24	1	101	101	12.0	-29.6	100%	0.0	-5.0	3.0	69	
Sub-group B												
Mini excavator	[Note 1]	1	94	94	12.0	-29.6	100%	0.0	-5.0	3.0	62	
Sub-group C												
Lorry	BS5228 Table C.8/25	1	101	101	12.0	-29.6	100%	0.0	-5.0	3.0	69	
Sub-group D												
Road roller	BS5228 Table C.8/30	1	101	101	12.0	-29.6	100%	0.0	-5.0	3.0	69	
Sub-group E											Total	68
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	12.0	-29.6	100%	0.0	-10.0	3.0	65	
Compactor, vibratory	CNP 050	1	105	105	12.0	-29.6	50%	-3.0	-10.0	3.0	65	
[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf												

Mitigated Construction Noise Impact on Yeung Hau Temple												
A/NSR13a (Works type 1 associated with new cycle tracks. No works for bridge/ subway in the works area nearby)												
Noise Criterion, Leq (30 min) = 70 dB(A)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Horizontal dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 1 - Site Clearance												
Sub-group A												
Mini excavator	[Note 1]	1	94	94	15.0	-31.5	100%	0.0	-5.0	3.0	60	
Sub-group B												
Mobile crane	BS5228 Table C.7/118	1	99	99	15.0	-31.5	100%	0.0	-5.0	3.0	65	
Sub-group C												
Dump truck	BS5228 Table C.9/39	1	103	103	15.0	-31.5	50%	-3.0	-5.0	3.0	66	
Sub-group D												
Hand-held electric circular saw	BS5228 Table C.7/75	1	105	105	15.0	-31.5	100%	0.0	-10.0	3.0	66	
Stage 2 - Levelling/ Excavation works												
Sub-group A												
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	15.0	-31.5	100%	0.0	-10.0	3.0	63	
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	1	108	108	15.0	-31.5	100%	0.0	-10.0	3.0	69	
											Total	70
Sub-group B												
Dump truck	BS5228 Table C.9/39	1	103	103	15.0	-31.5	50%	-3.0	-5.0	3.0	66	
Sub-group C												
Mini excavator	[Note 1]	1	94	94	15.0	-31.5	100%	0.0	-5.0	3.0	60	
Stage 3 - Construction/ Paving works												
Group 2- paving works												
Sub-group A												
Asphalt paver	BS5228 Table C.8/24	1	101	101	15.0	-31.5	100%	0.0	-5.0	3.0	67	
Sub-group B												
Mini excavator	[Note 1]	1	94	94	15.0	-31.5	100%	0.0	-5.0	3.0	60	
Sub-group C												
Lorry	BS5228 Table C.8/25	1	101	101	15.0	-31.5	100%	0.0	-5.0	3.0	67	
Sub-group D												
Road roller	BS5228 Table C.8/30	1	101	101	15.0	-31.5	100%	0.0	-5.0	3.0	67	
Sub-group E												
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	15.0	-31.5	100%	0.0	-10.0	3.0	63	
Compactor, vibratory	CNP 050	1	105	105	15.0	-31.5	50%	-3.0	-10.0	3.0	63	
											Total	66

[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Mitigated Construction Noise Impact on Block 2, Dills Corner Garden												
A/NSR20		(Works type 1 associated with new cycle tracks. No works for retaining wall/ bridge/ subway in the works area nearby)										
Noise Criterion, Leq (30 min) = 75 dB(A)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Horizontal dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 1 - Site Clearance												
Sub-group A												
Mini excavator	[Note 1]	1	94	94	6.0	-23.5	100%	0.0	-5.0	3.0	68	
Sub-group B												
Mobile crane	BS5228 Table C.7/118	1	99	99	6.0	-23.5	100%	0.0	-5.0	3.0	73	
Sub-group C												
Dump truck	BS5228 Table C.9/39	1	103	103	6.0	-23.5	50%	-3.0	-5.0	3.0	74	
Sub-group D												
Hand-held electric circular saw	BS5228 Table C.7/75	1	105	105	6.0	-23.5	100%	0.0	-10.0	3.0	74	
Stage 2 - Levelling/ Excavation works												
Sub-group A												
Road ripper, excavator mounted	[Note 1]	1	105	105	6.0	-23.5	100%	0.0	-10.0	3.0	74	
											Total	74
Sub-group B												
Dump truck	BS5228 Table C.9/39	1	103	103	6.0	-23.5	50%	-3.0	-5.0	3.0	74	
Sub-group C												
Mini excavator	[Note 1]	1	94	94	6.0	-23.5	100%	0.0	-5.0	3.0	68	
Stage 3 - Construction/ Paving works												
Group 2- paving works												
Sub-group A												
Asphalt paver	BS5228 Table C.8/24	1	101	101	6.0	-23.5	100%	0.0	-5.0	3.0	75	
Sub-group B												
Mini excavator	[Note 1]	1	94	94	6.0	-23.5	100%	0.0	-5.0	3.0	68	
Sub-group C												
Lorry	BS5228 Table C.8/25	1	101	101	6.0	-23.5	100%	0.0	-5.0	3.0	75	
Sub-group D												
Road roller	BS5228 Table C.8/30	1	101	101	6.0	-23.5	100%	0.0	-5.0	3.0	75	
Sub-group E												
Air compressor, air flow > 10m3/min and <= 30m3/min	CNP 002	1	102	102	6.0	-23.5	100%	0.0	-10.0	3.0	71	
Compactor, vibratory	CNP 050	1	105	105	6.0	-23.5	50%	-3.0	-10.0	3.0	71	
											Total	74

[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Mitigated Construction Noise Impact on Home of Loving Faithfulness												
A/NSR22 (Works type 1 associated with new cycle tracks. No works for bridge/ subway in the works area nearby)												
Noise Criterion, Leq (30 min) = 75 dB(A)												
PME	TM or other reference	No. of PME	SWL, dB(A)	Total SWL, dB(A)	Horizontal dist. From NSR, m	Dist. Corr., dB(A)	% on time	% on time Corr., dB(A)	Screening Corr., dB(A)	Façade Corr., dB(A)	CNL, dB(A)	
Stage 2 - Levelling/ Excavation works												
Sub-group A												
Air compressor, air flow > 10m ³ /min and ≤ 30m ³ /min	CNP 002	1	102	102	13.0	-30.3	100%	0.0	-10.0	3.0	65	
Breaker, hand-held, mass > 10kg and < 20kg	CNP 024	1	108	108	13.0	-30.3	100%	0.0	-10.0	3.0	71	
											Total	72
Sub-group B												
Dump truck	BS5228 Table C.9/39	1	103	103	13.0	-30.3	100%	0.0	-5.0	3.0	71	
Sub-group C												
Mini excavator	[Note 1]	1	94	94	13.0	-30.3	100%	0.0	-5.0	3.0	62	
Stage 3 - Construction/ Paving works												
Group 2- paving works												
Sub-group A												
Asphalt paver	BS5228 Table C.8/24	1	101	101	13.0	-30.3	100%	0.0	-5.0	3.0	69	
Sub-group B												
Mini excavator	[Note 1]	1	94	94	13.0	-30.3	100%	0.0	-5.0	3.0	62	
Sub-group C												
Lorry	BS5228 Table C.8/25	1	101	101	13.0	-30.3	100%	0.0	-5.0	3.0	69	
Sub-group D												
Road roller	BS5228 Table C.8/30	1	101	101	13.0	-30.3	100%	0.0	-5.0	3.0	69	
Sub-group E												
Air compressor, air flow > 10m ³ /min and ≤ 30m ³ /min	CNP 002	1	102	102	13.0	-30.3	100%	0.0	-10.0	3.0	65	
Compactor, vibratory	CNP 050	1	105	105	13.0	-30.3	50%	-3.0	-10.0	3.0	65	
											Total	68

[Note 1] – Details extracted from EPD website: http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf