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

D	1 and 15(4)						
Project Specific PME Item TKST2 - No.4 Tai Kwai San Tsuen	SWL dB(A)	Affected	Total	Dist.	Dist.	Façade	Corrected Noise Levels, dB(A)
	1 02	l .,	00			_	00.0
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	1	-8.0	3	88.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
	•				•	Total	88.0
CSH1 - Chung Shak Hei Home for the Aged							
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	1	-8.0	3	88.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118 91		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	96		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	90	ļ	U	U	0.0	Total	88.0
CKH - Cheung King House						Total	88.0
Works Type 1 - Construction of Sewer (Open Cut Method)	93		0	0	0.0	0	0.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118	٧	118	113	-49.0	3	72.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96	٧	96	139	-50.8	3	48.2
						Total	72.0
CSH2 - Cheung Shun House							
Works Type 1 - Construction of Sewer (Open Cut Method)	93		0	0	0.0	0	0.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118	٧	118	122	-49.7	3	71.3
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96	٧	96	163	-52.2	3	46.8
						Total	71.0
PSSL - No. 1A Pak She Second Lane		1				-	
Works Type 1 - Construction of Sewer (Open Cut Method)	93		0	0	0.0	0	0.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93 108		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	118	٧	108	35	-38.9	3	72.1
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works  Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0 0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
Transcriptorally consists mining		l .	ŭ		0.0	Total	72.0
CCEP - No.7 Cheung Chau Electric Path							
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	1	-8.0	3	88.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
						Total	88.0
ST - Block D Seaview Terrence	1 00						
Works Type 1 - Construction of Sewer (Open Cut Method)	93 108	٧	93	5	-22.0	3	74.0
Works Type 2 - Construction of Sewer (Trenchless Method)			0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer  Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	93 108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Pumping Station  Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91	<b> </b>	0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
yes						Total	74.0
SW1 - 3A Golden Lake Garden							
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	5	-22.0	3	74.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93	٧	93	12	-29.6	3	66.4
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96	<u> </u>	0	0	0.0	0	0.0
THE N. O. T. H. C. T. I. D. C. I.						Total	75.0
THT - No.24 Tai Hing Tai Road	02		000	_	00.0	_	T 74.0
Works Type 1 - Construction of Sewer (Open Cut Method)	93 108	٧	93	5	-22.0	3	74.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108 93	٧		0	0.0		0.0
Works Type 3 - Upgrading of Existing Sewer  Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108	٧	93	20 0	-34.0 0.0	3 0	62.0 0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Pumping Station  Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118	<b> </b>	0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
					0.0	Total	74.0
SYT1 - No.2A Sin Yan Tseng						· Juli	. 1.0
Works Type 1 - Construction of Sewer (Open Cut Method)		٧	93	2	-14.0	3	82.0
Works Type 1 - Construction of Sewer (Open Cut Method)	93						
Works Type 2 - Construction of Sewer (Cperiod: Method)  Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
	108 93		0	0	0.0	0	0.0 0.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108 93 108						
Works Type 2 - Construction of Sewer (Trenchless Method) Works Type 3 - Upgrading of Existing Sewer Works Type 4 - Upgrading of of Pak She Sewage Pumping Station Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	108 93 108 118		0	0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0
Works Type 2 - Construction of Sewer (Trenchless Method) Works Type 3 - Upgrading of Existing Sewer Works Type 4 - Upgrading of of Pak She Sewage Pumping Station Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works Works Type 6 - Rehabilitation of Existing Sewers	108 93 108 118 91		0 0 0	0 0 0	0.0 0.0 0.0 0.0	0 0 0 0	0.0 0.0 0.0 0.0
Works Type 2 - Construction of Sewer (Trenchless Method) Works Type 3 - Upgrading of Existing Sewer Works Type 4 - Upgrading of of Pak She Sewage Pumping Station Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	108 93 108 118		0 0 0	0 0 0	0.0 0.0 0.0	0 0 0	0.0 0.0 0.0

Project Specific PME Item	SWL dB(A)	Affected	Total	Dist.	Dist.	Façade	Corrected Noise Levels, dB(A)
SYT2 - No.37 Sin Yan Tseng Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	-	0.0	_	99.0
Works Type 1 - Construction of Sewer (Open Cut Method)  Works Type 2 - Construction of Sewer (Trenchless Method)	108	V	0	0	-8.0 0.0	3 0	88.0 0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
						Total	88.0
P1 - No. 34 Praya Street	00	ı			1 00		
Works Type 1 - Construction of Sewer (Open Cut Method)	93 108	٧	0 108	9	0.0 -27.1	0	0.0 83.9
Works Type 2 - Construction of Sewer (Trenchless Method)  Works Type 3 - Upgrading of Existing Sewer	93	v	0	0	0.0	3	0.0
Works Type 4 - Upgrading of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91	٧	91	19	-33.6	3	60.4
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
						Total	84.0
TW1 - Cheng Chau Fisheries Joint Association Public School							
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	2	-14.0	3	82.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108	٧	108	6	-23.5	3	87.5
Works Type 3 - Upgrading of Existing Sewer	93 108	٧	93	3	-17.5 0.0	3	78.5 0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	118		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works  Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
yp		1	. <u> </u>			Total	89.0
TSB1 - No. 123 Tai San Back Street							
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	1	-8.0	3	88.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118 91		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	96		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	90	l	0	0	0.0	0 Total	0.0 88.0
LTT1 - Cheng Chau Alliance Church						TOtal	68.0
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	1	-8.0	3	88.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108	-	0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
LTTO No OF Lower Tool Towns Doord						Total	88.0
LTT2 - No.35 Lung Tsai Tsuen Road  Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	1	-8.0	3	88.0
Works Type 2 - Construction of Sewer (Cperiodi Method)  Works Type 2 - Construction of Sewer (Trenchless Method)	108	V	0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
						Total	88.0
P2 - No.41A Peak Road	- 00						20.0
Works Type 1 - Construction of Sewer (Open Cut Method)	93 108	٧	93	1	-8.0	3	88.0
Works Type 2 - Construction of Sewer (Trenchless Method)  Works Type 3 - Upgrading of Existing Sewer	93	-	0	0	0.0	0	0.0
Works Type 4 - Upgrading of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
						Total	88.0
KYW1 - No.31 Kwun Yam Wan Road							
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	7	-24.9	3	71.1
Works Type 2 - Construction of Sewer (Trenchless Method)  Works Type 3 - Upgrading of Existing Sewer	108 93		0	0	0.0	0	0.0 0.0
Works Type 3 - Upgrading of Existing Sewer  Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108	-	0	0	0.0	0	0.0
Works Type 4 - Opgrading of of Pak Sne Sewage Pumping Station  Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118	-	0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
						Total	71.0
CCS2 - Block G-H Fu Yuen							
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	1	-8.0	3	88.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93 108		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works  Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 6 - Renabilitation of Existing Sewers  Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
110110 1. Jpc 1 Temperary controls mixing		·			0.0	Total	88.0
PR1 - No.25 Peak Road						101	
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	2	-14.0	3	82.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Wester Trans 4. Unamedian of af PolyObe Co	108	I	0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station							
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works Works Type 6 - Rehabilitation of Existing Sewers	118 91		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118						

Project Specific PME Item	SWL dB(A)	Affected	Total	Dist.	Dist.	Façade	Corrected Noise Levels, dB(A)
PR2 - No.72 Peak Road							, , , , , , , , , , , , , , , , , , , ,
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	4	-20.0	3	76.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
						Total	76.0
KYW2 - No.46 Kwun Yam Wan Road							
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	2	-14.0	3	82.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108		0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
Trong Type T Temperary consider mixing		l			0.0	Total	82.0
MF1 - Caritas Ka Fai House						- Otal	02.0
Works Type 1 - Construction of Sewer (Open Cut Method)	93	٧	93	2	-14.0	3	82.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108	•	0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
World Type 7 Temporary concrete mixing		I		·	0.0	Total	82.0
FP1 - No.18 Fa Peng Road						Total	02.0
Works Type 1 - Construction of Sewer (Open Cut Method)	93	V	93	2	-14.0	3	82.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108	•	0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
World Type 7 Temporary consists mixing		l	·	·	0.0	Total	82.0
FP2 - Bethany Cottage and House						10101	02.0
Works Type 1 - Construction of Sewer (Open Cut Method)	93	V	93	2	-14.0	3	82.0
Works Type 2 - Construction of Sewer (Trenchless Method)	108	i i	0	0	0.0	0	0.0
Works Type 3 - Upgrading of Existing Sewer	93		0	0	0.0	0	0.0
Works Type 4 - Upgrading of Pak She Sewage Pumping Station	108		0	0	0.0	0	0.0
Works Type 5 - Upgrading of Cheung Chau Sewage Treatment Works	118		0	0	0.0	0	0.0
Works Type 6 - Rehabilitation of Existing Sewers	91		0	0	0.0	0	0.0
Works Type 7 - Temporary concrete mixing	96		0	0	0.0	0	0.0
I volko i ypo i i chipotaty concide mixing			·		0.0	٥	0.0

## Summary of Construction Noise Levels at Representative NSRs - Mitigated Scenario

NSR	Nature of Use	Predicted Unmitigated Maximum Cumulative Construction Noise Level, dB(A)	Noise Criteria, dB(A)	Noise Exceedance, dB(A)
TKST2	Residential	88	75	13
CSH1	Homes for the Aged	88	70	18
CKH	Residential	72	75	0
CSH2	Residential	71	75	0
PSSL	Residential	72	75	0
CCEP	Residential	88	75	13
ST	Residential	74	75	0
SW1	Residential	75	75	0
THT	Residential	74	75	0
SYT1	Residential	82	75	7
SYT2	Residential	88	75	13
P1	Residential	84	75	9
TW1	Educational	89	70/65*	19/24
TSB1	Residential	88	75	13
LTT1	Church	88	70	18
LTT2	Residential	88	75	13
P2	Residential	88	75	13
KYW1	Residential	71	75	0
CCS2	Residential	88	75	13
PR1	Residential	82	75	7
PR2	Residential	76	75	1
KYW2	Residential	82	75	7
MF1	Residential	82	75	7
FP1	Residential	82	75	7
FP2	Residential	82	75	7