MTR Corporation Limited

Tung Chung Line Extension

Construction Noise Management Plan (for Works Contract No. 1202)

(Condition 2.13 of EP-614/2022)

Verified by: Adi Lee

Position: Independent Environmental Checker

Date: 28 September 2023

MTR Corporation Limited

Tung Chung Line Extension

Construction Noise Management Plan
(for Works Contract No. 1202)

(Condition 2.13 of EP-614/2022)

Certified by: Edan Li

Position: Environmental Team Leader

Date: 28 September 2023

ARUP

MTR Corporation Ltd

Tung Chung Line Extension

Construction Noise Management Plan (for Works Contract No. 1202)

Reference: 277416-REP-054-01a

Job number 277416

Ove Arup & Partners Hong Kong Limited
Level 5 Festival Walk
80 Tat Chee Avenue
Kowloon Tong
Kowloon
Hong Kong
arup.com

Contents

Appendices

1. Introduction

1.1 Project Background

1.1.1.1 The Railway Development Strategy 2014 (RDS-2014) announced by the Government of the Hong Kong Special Administrative Region included the conceptual scheme of Tung Chung West (TCW) Extension and a possible Tung Chung East (TCE) Station.

1.1.1.2 This new railway system has been included in the approved Schedule 3 Environmental Impact Assessment (EIA) for Tung Chung New Town Extension (TCNTE), which has included the new stations at TCE area and TCW area and the associated trackwork and tunnel. However, a separate Schedule 2 EIA study for this railway system is conducted to address the associated environmental impacts, taking into account of the latest design.

1.1.1.3 The EIA Report for Tung Chung Line Extension (the Project) (AEIAR-235/2022) was approved on 12 July 2022. The Environmental Permit (EP) (No. EP-614/2022) was then issued on 9 August 2022. According to Clause 2.13 of the EP, the Permit Holder shall submit a Construction Noise Management Plan (CNMP) for implementing construction noise mitigation measures at least 2 months before the commencement of construction works of relevant Works Contract of the Project to the Director of Environmental Protection (DEP) for approval.

1.2 Purpose of this Report

1.2.1.1 As stipulated in Clause 2.13 of the EP, the CNMP shall identify the noise source inventory and assess the effectiveness of construction noise mitigation measures, including the use of quieter powered mechanical equipment, noise barriers and noise enclosure as recommended in the EIA report (Register No. AEIAR-235/2022). To further mitigate construction noise impacts, the CNMP shall review the practicality of the use of quieter construction equipment/methods, such as hydraulic crusher/ hand-held concrete crusher for demolition; diamond wire saw/ non-explosive chemical expansion agent for rock/concrete breaking; silent piling by Press-in method for sheet piles etc.; when necessary. The CNMP shall include an implementation schedule in table form to clearly list out the mitigation measures to be implemented, and the implementation party, location, timing, and environmental performance required for implementation of the mitigation measures. All mitigation measures recommended and requirements specified in the CNMP shall be fully implemented.

1.2.1.2 For the groundborne construction noise, as there is no underground construction for TCE and Tunnel Boring Machine (TBM) construction is only carried out from Tung Chung Station to TCW, hence, groundborne construction noise is not applicable to TCE and noise mitigation measures are not required for groundborne construction.

1.2.1.3 This CNMP aims to identify the noise source inventory of TCE station and its rail realignment works, the effectiveness of construction noise mitigation measures, including the use of quieter powered mechanical equipment and noise barriers as recommended in the approved EIA report for Tung Chung Line Extension (AEIAR-235/2022) will be addressed.

1.2.1.4 Noise source inventory and mitigation measures adopted by TCW station, Emergency Access Point (EAP)/ Emergency Egress Point (EEP) and Launching/ Retrieval Shaft, and the barging facility are covered in a separate CNMP.

1.2.1.5 This CNMP will be reviewed and updated subject to the actual construction works and onsite arrangement if necessary. This CNMP focused on the construction works conducted during July 2023 to October 2023 only and the remaining construction period is still under design stage and subject to change. The Contractor will submit other CNMP for the remaining construction period at least one month before the commencement of the relevant construction work. If there is any update on the construction works conducted from July 2023 to October 2023, a revised CNMP will be submitted for EPD approval. To compare with the approved EIA for Tung Chung Line Extension (AEIAR-235/2022), the following items have been updated:

- Updated Quality Powered Mechanical Equipment (QPME) label;
- Additional breaker for site clearance / site formation at TCE;
- Additional generator for TCE Station East Side Stationary Plants & TCE Station West Side Stationary Plants;
- Additional air compressor for TCE Station Structure Foundation; and
- Population intake year update for Tung Chung Area 100.

2. Assessment Criteria

2.1 Construction Noise

Airborne Construction Noise during Normal Hours

2.1.1.1 The Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM) stipulates criteria of 65 – 75dB(A) for daytime construction activities, as shown in **Table 2.1**.

Table 2.1 Noise standards for daytime construction activities

Uses	Noise Standards[1][2], $L_{eq\ (30min)}$ dB(A)
	0700 – 1900 hours on any day not being a Sunday or general holiday
All domestic premises including temporary housing accommodation	75
Hotel and hostels	75
Educational institutions including kindergartens, nurseries and all others where unaided voice communication is required	70 65 (During examination)

Notes:

[1] The above standards apply to uses that rely on opened windows for ventilation.

[2] The above standards should be viewed as the maximum permissible noise levels assessed at 1m from the external facade.

3. Airborne Construction Noise Impact Assessment

3.1 Airborne Construction Noise Impact Assessment Methodology

3.1.1.1 The construction noise impact assessment during daytime, on weekdays other than general holidays has been assessed in accordance with the methodology in paragraphs 5.3 and 5.4 of Annex 13 of the EIAO-TM.

3.1.1.2 Construction noise assessment will be conducted based on the following procedures:

- Determine 300m from the boundary of the Project and from any works of the Project;
- Identify and locate representative NSRs that may be affected by the works;
- Obtain the construction method and work sequence for the construction period;
- Obtain the construction plant inventory for each corresponding construction work sequence;
- Determine the Sound Power Levels (SWLs) of the plant items according to the information stated in the GW-TM or other recognised sources of reference, where appropriate;
- Calculate the correction factors based on the distance between the Noise Sensitive Receivers (NSRs) and the notional noise source positions of the work sites;
- Apply corrections for façade, distance, barrier attenuation, acoustic reflection where applicable;
- Predict construction noise levels at the NSRs;
- Quantify the level of impact at the NSRs, in accordance with GW-TM;
- Predict the cumulative noise impacts for any concurrent construction works (e.g. Tung Chung New Town Extension (TCNTE)) in the vicinity of the proposed work;
- For any exceedance of noise criteria, all practical mitigation measures such as alternative construction methodology, quiet plant, silencer, enclosure, etc, shall be examined to alleviate the predicted noise impacts as much as practicable; and
- Consideration of noise mitigation measures will follow Annex 13 of EIAO-TM and EIAO Guidance Note "Preparation of Construction Noise Impact Assessment under the Environmental Impact Assessment Ordinance" [GN 9/2010].

3.2 Identification of Assessment Area and Noise Sensitive Receivers

3.2.1.1 The assessment area for airborne construction noise includes area within 300m from the boundary of the Project and the works of the Project. This CNMP presents the representative NSRs for TCE station and its realignment works.

3.2.1.2 The existing NSRs has been reviewed by site visits in November 2022 and indicated that there is no update for the existing NSR.

3.2.1.3 The planned NSRs has been reviewed with the latest Recommended Outline Development Plan (RODP), updated population intensity and planning parameter, updated population intake years of TCNTE East collated from CEDD on 21 November 2022. Layout and population intake of Tung Chung Area 99 and Area 100 has been also reviewed and updated with the information provided by Housing Department (HD) on 22 November 2022, 2 December 2022 and 25 May 2023.

3.2.1.4 From the above information, there is no change to existing and planned NSR, except the population intensity. Hence, the representative NSRs presented in approved EIA for Tung Chung Line Extension (AEIAR-235/2022) are considered still valid.

3.2.1.5 Representative NSRs locations that would be affected by the construction noise have been summarised in **Table 3.1** below and the representative Noise Assessment Point (NAP) are shown in **Appendix 3.1**.

Table 3.1 Representative NSRs for airborne construction noise

No.[1]	NSR[2]	Uses[3]	No. of Storey	NAP [6]	Population Intake Year
Existing NSRs					
E1	Ying Tung Estate	R	35 – 40	YTT-02f	N/A[5]
E20	Ho Yu College and Primary School	E	7	EHYC-01a	N/A[5]
E21	Lantau North (Extension) Country Park	O	N/A[5]	LNCP-01	N/A[5]
Planned NSRs					
P1[4]	Residential Premises in Tung Chung East – Area 100	R	40[4]	A100-02j	2025 [7]
	Residential Premises in Tung Chung East – Area 116	R	32[4]	A116-01c	2029
	Residential Premises in Tung Chung East – Area 133a	R	32[4]	A133a-01b	2030
P4[4]	Tung Chung Area 113	R	31 – 58[4]	A113-01e, A113-12e	2027

Notes:

[1] The assessment will only include NSRs which rely on opened windows for ventilation.

[2] Only the first layer of NSRs has been selected for assessment.

[3] R – Residential Premises, E – Educational Institutions, O – Others.

[4] The latest Recommended Outline Development Plan (RODP), updated population intensity and planning parameter, updated population intake years of TCNTE East, except Area 99 and Area 100, have been collated from CEDD on 21 November 2022. For Area 99 and Area 100, the layouts provided by HD on 22 November 2022 were adopted.

[5] N/A – Not applicable.

[6] NAP – Noise Assessment Point.

[7] The population intake year for Area 100 has been reviewed and updated according to information provided by HD on 25 May 2023.

3.3 Inventory of Noise Sources

3.3.1.1 According to Section 4.4.2.2 of the approved EIA for Tung Chung Line Extension (AEIAR-235/2022), key airborne construction activities of TCE station have been identified for noise assessment and summarized below:

- Construction of the above-ground TCE Station (e.g. site clearance, structure foundation, link bridge foundation);
- Realignment of ballast tracks to the TCE Station (e.g. site clearance, retaining wall foundation, utilities diversion);
- Works such as landscaping, minor reinstatement, material delivery, etc.

3.3.1.2 The construction activities above, plant inventory and construction programme have been reviewed in view of the best available information when preparing this CNMP.

3.3.1.3 To compare with the approved EIA for Tung Chung Line Extension (AEIAR-235/2022), changes have been made as follows:

- Updated QPME labels;
- Additional breaker for site clearance / site formation at TCE;
- Additional generator for TCE Station East Side Stationary Plants & TCE Station West Side Stationary Plants;
- Additional air compressor for TCE Station Structure Foundation; and
- Population intake year update for Tung Chung Area 100.

3.3.1.4 The inventories and the percentage on time of PME have been confirmed by construction professionals as workable and practicable. The construction activities would be carried out with the use of Powered Mechanical Equipment (PME) including excavators, lorries, mobile cranes, concrete pumps, concrete mixers, etc. SWLs for each PME would be established according to GW-TM and other relevant information as appropriate. **Table 3.2** presents the SWLs for each PME.

3.3.1.5 In addition, for concurrent projects, the latest construction programme, workfronts and PME have been confirmed with relevant project proponents and update is not required. Since the plant inventories under Contract No. 1202 has been updated, the cumulative noise levels will be different from that in the approved EIA for Tung Chung Line Extension (AEIAR-235/2022).

Table 3.2 SWLs of PMEs

PME	Unmitigated SWLs			Quiet Plant			Mitigated Scenario	
	ID	Description	PME SWL, dB(A)	ID[1][2]	Model / Size	PME SWL, dB(A)	Barrier, dB(A)	PME SWL, dB(A)
Air Compressor	CNP003	Air compressor, air flow > 30m^3/min	104	EPD-09607[3]	AIRMAN, PDS100S-5C5	93	–10	83
Bar Bender and Cutter	CNP021	Bar bender and cutter (electric)	90	–	–	–	–10	80
Hand Held Breaker	CNP026	Breaker, hand held, mass > 35kg	114	EPD-13019[4]	HILTI, TE800-AVR	101	–5	96
Breaker, excavator mounted	CNP028	Breaker, excavator mounted (hydraulic)	122	–	–	–	-10	112
Concrete Lorry Mixer/ Concrete Truck	CNP044	Concrete lorry mixer	109	–	–	–	–5	104
Concrete Mixer/ Bentonite Mixer/ Grout Mixer	CNP045	Concrete mixer (electric)	96	–	–	–	–10	86
Concrete Pump/ Electric Bentonite Circulation Pump	CNP047	Concrete pump, stationary / lorry mounted	109	–	–	–	–10	99
Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	CNP048	Crane, mobile / barge mounted (diesel)	112	EPD-09130	KOBELCO, Model:CKS900	101	–5	96
Electric drill/ Rock driller	CNP064	Drill, percussive, hand—held (electric)	103	EPD-08781	HILTI, TE1000-AVR	99	–5	94
Grinder	CNP065	Drill / grinder, hand—held (electric)	98	–	–	–	–5	93
Dump Truck	CPME#	Dump truck, 5.5 tonne < gross vehicle weight <=38 tonne	105	–	–	–	–5	100
Drill Rig, DTH Drilling Machine	CPME#	Drill Rig, rotary type (Diesel)	110	–	–	–	–10	100
Excavator	CNP081	Excavator / loader, wheeled / tracked	112	EPD-07150	YANMAR, Model: SV08–1A	90	–5	85
Generator	CNP103	Generator, super silenced, 70 dB(A) at 7 m	95	EPD-10735[5]	DENYO, Model: DCA-45LSK	87	–5	82
Grout Pump	CPME#	Grout Pump	105	–	–	–	–10	95
Lorry	CNP141	Lorry	112	CPME#	5.5 tonnes <gross vehicle weight ≤ 38 tonne	105	–5	100
Lorry, with crane/grab	CPME#	Lorry, 5.5 tonnes < gross vehicle weight ≦ 38 tonnes	105	–	–	–	–5	100
Piling, Large Dia Bored, Oscillator	CNP165	Piling, large diameter bored, oscillator	115	–	–	–	–10	105
Vibratory Poker	CNP170	Poker, vibratory, hand held	113	CPME#	Poker, vibratory, hand–held (electric)	102	–10	92

PME	Unmitigated SWLs			Quiet Plant			Mitigated Scenario	
	ID	Description	PME SWL, dB(A)	ID[1][2]	Model / Size	PME SWL, dB(A)	Barrier, dB(A)	PME SWL, dB(A)
Roller, Vibratory	CNP186	Roller, vibratory	108	EPD-06997	SAKAI, Model: SW502S–1	94	–5	89
Saw, Circular, Wood	CNP201	Saw, circular, wood	108	–	–	–	–10	98

Notes:

[1] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory. QPME with same or lower SWL will be arranged onsite as far as practicable.

[2] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

[3] EPD-09608 has been updated and replaced by EPD-09607. The model / size and SWL of PME remain unchanged.

[4] EPD-03948 has been expired and replaced by EPD-13019. The model / size and SWL of PME remain unchanged.

[5] EPD-03845 has been expired and replaced by EPD-10735. The model / size and SWL of PME remain unchanged.

3.3.2 Construction Noise Control Measures Proactively Adopted

3.3.2.1 Review of the practicality of use of following quieter construction equipment / methods has been conducted, which includes adoption of QPME.

3.3.2.2 Based on the review on the construction works, QPME has been adopted at TCE. For (i) Diamond wire saw/ non-explosive chemical agent for rock/concrete breaking; (ii) silent piling by press-in method for sheet piles and (iii) hydraulic crusher/hand-held concrete crusher, the Contractor will further review during the detailed design over the construction stage.

3.4 Prediction and Evaluation of Construction Noise Impact

3.4.1.1 The construction activities involve site clearance, formation, superstructure, site reinstatement, etc. It is anticipated that the Project will be implemented in phases. As discussed in **Section 3.3**, there is no update in construction activities. The construction programme has been given in **Appendix 3.2**.

3.4.1.2 As stated in the approved EIA for Tung Chung Line Extension (AEIAR-235/2022), the construction would mainly comprise the activities as described in **Section 3.3**. The corresponding SWLs of these activities have been estimated according to the PME's SWLs and the assessment methodology in the GW-TM. **Table 3.2** presents the SWLs for each PME. **Appendix 3.3** gives the plant inventory adopted for each workfront and **Appendix 3.4** shows the locations of workfronts adopted for this construction noise assessment.

3.4.1.3 As mentioned in above sections, there is no update on the calculation methodology, construction programme and representative NAPs. The plant inventory is updated with additional breaker, generator and air compressor supplemented at some workfronts for construction activities, such as site clearance works & site formation works, works at TCE Station East Side Stationary Plants & TCE Station West Side Stationary Plants and TCE Station Structure foundation works, hence, the cumulative results are updated and complied with the relevant criterion. With the implementation of mitigation measures and good site practices, construction noise impacts are expected to achieve full compliance of relevant noise criteria.

3.5 Mitigation of Construction Noise Impact

3.5.1.1 To mitigate noise impacts during construction phases, the following mitigation measures have been considered:

- Good site practices to limit noise emissions at the source;
- Use of QPME;
- Use of temporary noise barriers to screen noise from relatively static PMEs; and
- Alternative use of plant items within on worksite, wherever practicable.

3.5.1.2 The above mitigation measures would need to be implemented in works sites as good practices where appropriate.

3.5.2 Good Site Management Practices

3.5.2.1 Good site practice and noise management techniques could considerably reduce the noise impact from construction site activities on nearby NSRs. The following measures should be practised during each phase of construction:

- only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme;
- machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;
- plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;
- silencers or mufflers which available on construction equipment should be properly fitted and maintained during the construction works;
- spoil transportation routes should be directed away from NSRs as far as practicable;
- mobile plant should be sited as far away from NSRs as possible and practicable;
- material stockpiles, site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities; and
- noise monitoring at selected NSRs should be conducted as far as practicable.

3.5.2.2 The benefits of these techniques can vary according to specific site conditions and operations. The environmental noise climate would certainly be improved with these control practices, although the improvement can only be quantified during implementation when specific site parameters are known.

3.5.3 Use of Quality Powered Mechanical Equipment (QPME)

3.5.3.1 The use of quiet plant associated with the construction works is made reference to the PME listed in the TM or the QPME/ other commonly used PME listed in Environmental Protection Department (EPD) web pages as far as possible which includes the SWLs for specific quiet PME. It is generally known (supported by field measurement) that particular models of construction equipment are quieter than standard types given in the GW-TM.

3.5.4 Use of Movable Noise Barrier for Relatively Fixed Plant Source

3.5.4.1 Movable temporary noise barriers that can be located close to noisy plant and be moved concurrently with the plant along a worksite can be very effective for screening noise from NSRs. A typical design which has been used locally is a wooden framed barrier with a small-cantilevered upper portion of superficial density no less than 7kg/m^2 on a skid footing with 25mm thick internal sound absorptive lining. This measure is particularly effective for low level zone of NSRs. A cantilevered top cover would be required to achieve screening benefits at upper floors of NSRs.

3.5.4.2 Movable temporary noise barriers will be used for some PME (e.g. excavator). It is anticipated that suitably designed barriers could achieve at least 5dB(A) reduction for movable plant and 10dB(A) for stationary plant.

3.5.4.3 For the use of movable noise barrier for at-grade construction works, for example retaining wall construction, working space would be considered for their manoeuvrability and placement. Generally, sufficient separation between major plants during at-grade construction works is envisaged to cater for the use of temporary movable noise barriers onsite. Temporary movable noise barrier can be placed close to noise source locally as far as practicable.

3.5.4.4 A summary of the movable temporary noise barrier adopted for various PMEs is given in **Table 3.3** below and indicative drawings for barrier are shown in **Appendix 3.5**.

Table 3.3 Summary of barrier adopted for PMEs

PME	Attenuation, dB(A)
Air Compressor	-10
Bar Bender and Cutter	-10
Hand Held Breaker	-5
Breaker, excavator mounted	-10 [1]
Concrete Lorry Mixer/ Concrete Truck	-5
Concrete Mixer/ Bentonite Mixer/ Grout Mixer	-10
Concrete Pump/ Electric Bentonite Circulation Pump	-10
Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	-5
Electric drill/ Rock driller	-5
Grinder	-5
Dump Truck	-5
Drill Rig, DTH Drilling Machine	-10
Excavator	-5
Generator	-5
Grout Pump	-10
Lorry	-5
Lorry, with crane/grab	-5
Piling, large diameter bored, oscillator	-10
Vibratory Poker	-10
Roller, Vibratory	-5
Saw, Circular, Wood	-10

Notes:

[1] According to the approved EIA report for Tuen Mun South Extension (AEIAR-236/2022) and the "Best Practice Guide for Environmental Protection on Construction Sites", page 6-10, published by Hong Kong Construction Association, May 2013, excavator-mounted breaker with soundproof hammer bracket can provide a noise reduction of up to 10 dB(A).

3.5.4.5 With the adoption of the above mitigation measures, the construction noise impacts during the construction period have been calculated in accordance with the work programme and are given in **Appendix 3.6**.

3.6 Prediction of Noise Impact with Implementation of Noise Mitigation Measures

3.6.1.1 **Appendix 3.6** presents the calculated construction noise impacts at representative NSRs. Concurrent projects, including TCNTE and Additional Sewerage Rising Main and Rehabilitation of the Existing Sewage Rising Main between Tung Chung and Siu Ho Wan have been considered for the cumulative noise impact. The predicted construction noise impacts at the NSRs are summarised in **Table 3.4**.

Table 3.4 Summary of predicted construction noise impact at NSRs

No.[1]	NSR	NAP[2][3]	Uses [4]	$L_{eq\ (30min)}$, dB(A)				Duration of Exceedance Months
				Criterion [5]	Mitigated Noise Level	Cumulative Noise Level	Exceedance	
Existing NSRs								
E1	Ying Tung Estate	YTT-02f	R	75	74	75	-	-
E20	Ho Yu College and Primary School	EHYC-01a	E	70 (65)	50	57	-	-
E21	Lantau North (Extension) Country Park	LNCP-01	O	N/A[6]	69	69	N/A[6]	N/A[6]
Planned NSRs								
P1	Residential Premises in Tung Chung East	A100-02j	R	75	65	71	-	-
		A116-01c	R	75	63	64	-	-
		A133a-01b	R	75	64	68	-	-
P4	Tung Chung Area 113	A113-01e	R	75	68	69	-	-
		A113-12e	R	75	67	67	-	-

Notes:

[1] The assessment will only include NSRs which rely on opened windows for ventilation.

[2] NAP- Noise Assessment Point. Only the first layer of NSRs has been selected for assessment.

[3] The latest Recommended Outline Development Plan (RODP), updated population intensity and planning parameter, updated population intake years of TCNTE West and TCNTE East, except Area 99 and Area 100, have been collated from CEDD on 21 November 2022. For Area 99 and Area 100, the layouts provided by HD on 22 November 2022 were adopted.

[4] R – Residential Premises, E – Educational Institutions, O – Others.

[5] Values in parentheses indicate the noise criterion during examination period of educational institution.

[6] N/A - Not Applicable.

3.6.1.2 Construction noise impacts arising from the proposed and concurrent projects at all planned and existing NSRs including residential premises and schools during normal and examination periods can be properly mitigated by implementing the proposed noise control measures. Given the transient nature of visitor using hiking trails and mitigation measures are recommended to reduce the noise emission, adverse noise impact is not anticipated.

3.6.1.3 The implementation schedule of the noise mitigation measures is summarized in **Appendix 3.7**.

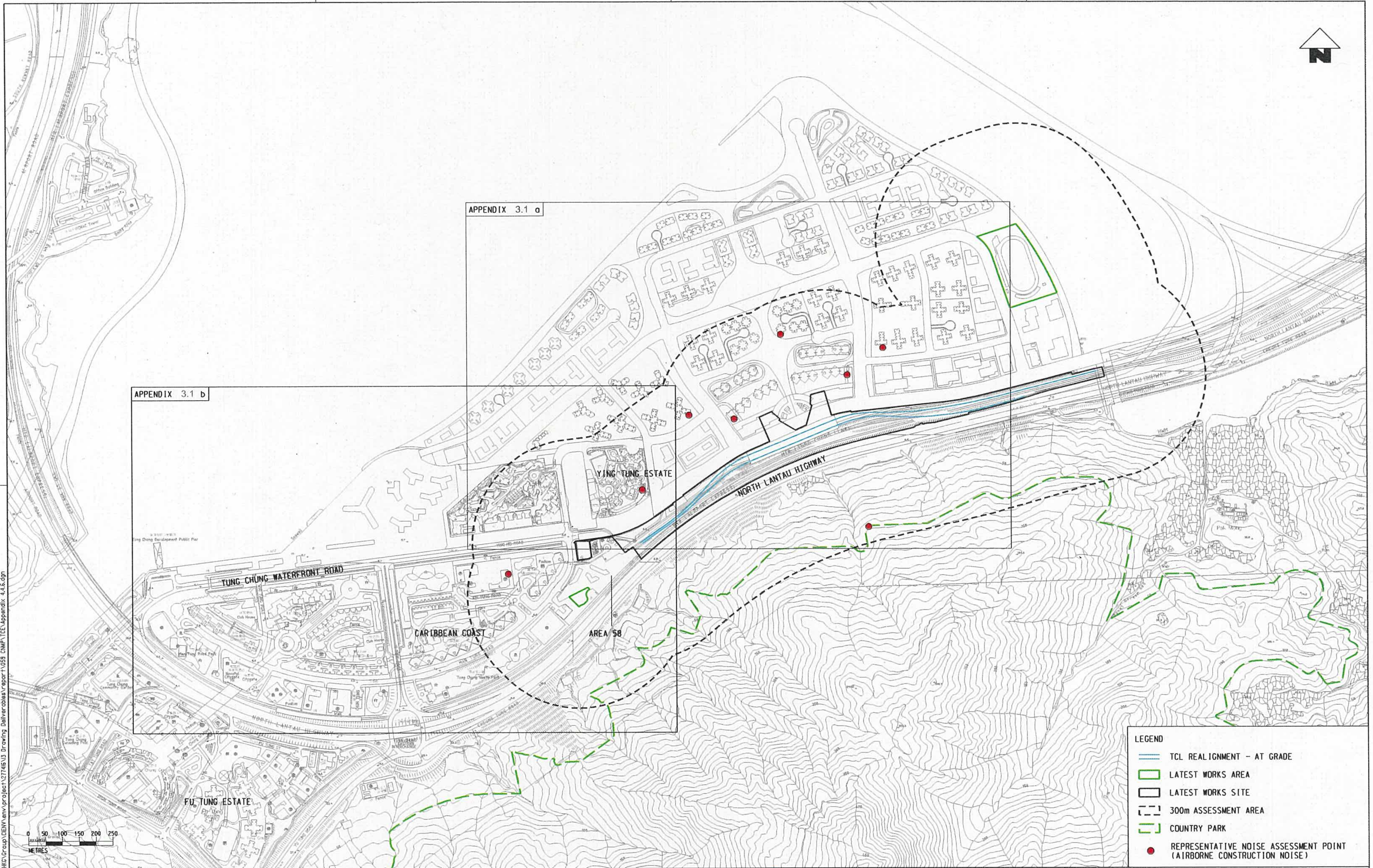
4. Conclusion

4.1.1.1 This CNMP (for Works Contract No. 1202) has identified the noise source inventory and assess the effectiveness of construction noise mitigation measures, including the use of quieter powered mechanical equipment, noise barriers for TCE works as recommended in the approved EIA report for Tung Chung Line Extension (AEIAR-235/2022). With the implementation of the recommended mitigation measures, noise impacts during construction phases of TCE are expected to achieve full compliance of relevant noise criteria.

4.1.1.2 This CNMP focused on the construction works conducted during July 2023 to October 2023 only and the remaining construction period is still under design stage and subject to change. The Contractor will submit other CNMP for the remaining construction period at least one month before the commencement of the relevant construction work. If there is any update on the construction works conducted from July 2023 to October 2023, a revised CNMP will be submitted for EPD approval.

Appendix 3.1

Locations of Representative NSRs for airborne construction noise



DRAWN	GL
DESIGNED	GL
CHECKED	EL
APPROVED	FC
DATE	07/02/2023

REV	DESCRIPTION	BY	DATE	APPROVED
A	FIRST ISSUE	GL	070223	FC

MTR

C1202 - EIA for Tung Chung Line Extension

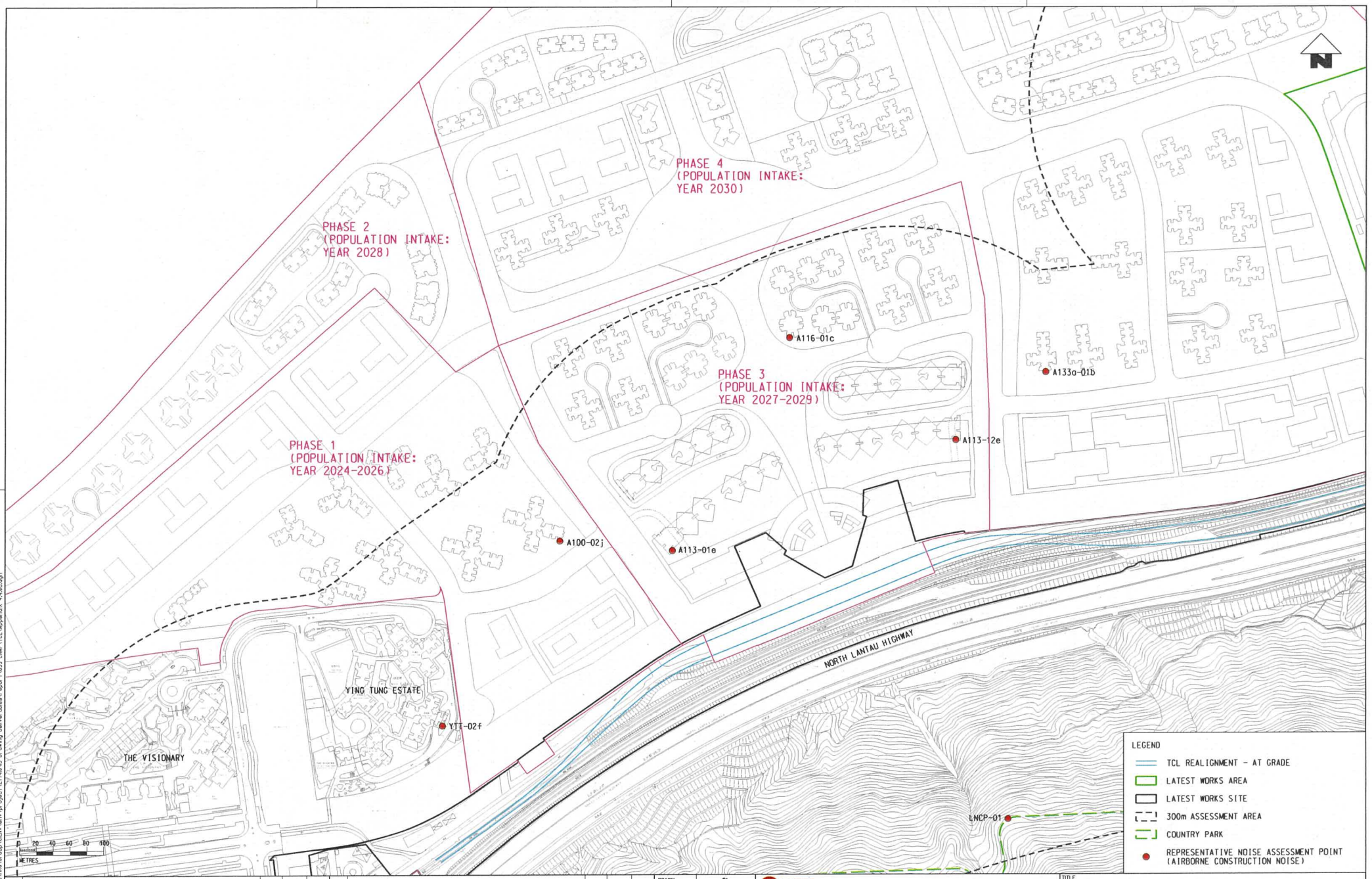
ORIGINATOR: ARUP Ove Arup & Partners Hong Kong Limited

CADD REF. Appendix 4.4.6.dgn

TITLE: PREDICTED NOISE LEVELS OF REPRESENTATIVE NOISE ASSESSMENT POINTS (AIRBORNE CONSTRUCTION NOISE)

SCALE: 1:10000 (A3) | DRAWING NO. APPENDIX 3.1 | REV. A

PLOT DRV: g:\common\microstation standard\plotdrv\hp_arupbl_a3-pdf-c_env.plt
MODELNAME: Default PRINTED BY: IKGTRADM 2/7/2023 10:42:24 AM
FILENAME: \\global\EastAsia\HKG\Group\CIENV\env\project\277416\13 Drawing Deliverables\report\059 CNMP\TCE\Appendix 4.4.6.dgn



REV	DESCRIPTION	BY	DATE	APPROVED
A	FIRST ISSUE	GL	070223	FC

DRAWN	GL
DESIGNED	GL
CHECKED	EL
APPROVED	FC
DATE	07/02/2023

MTR

C1202 – EIA for Tung Chung Line Extension

ORIGINATOR

ARUP Ove Arup & Partners Hong Kong Limited

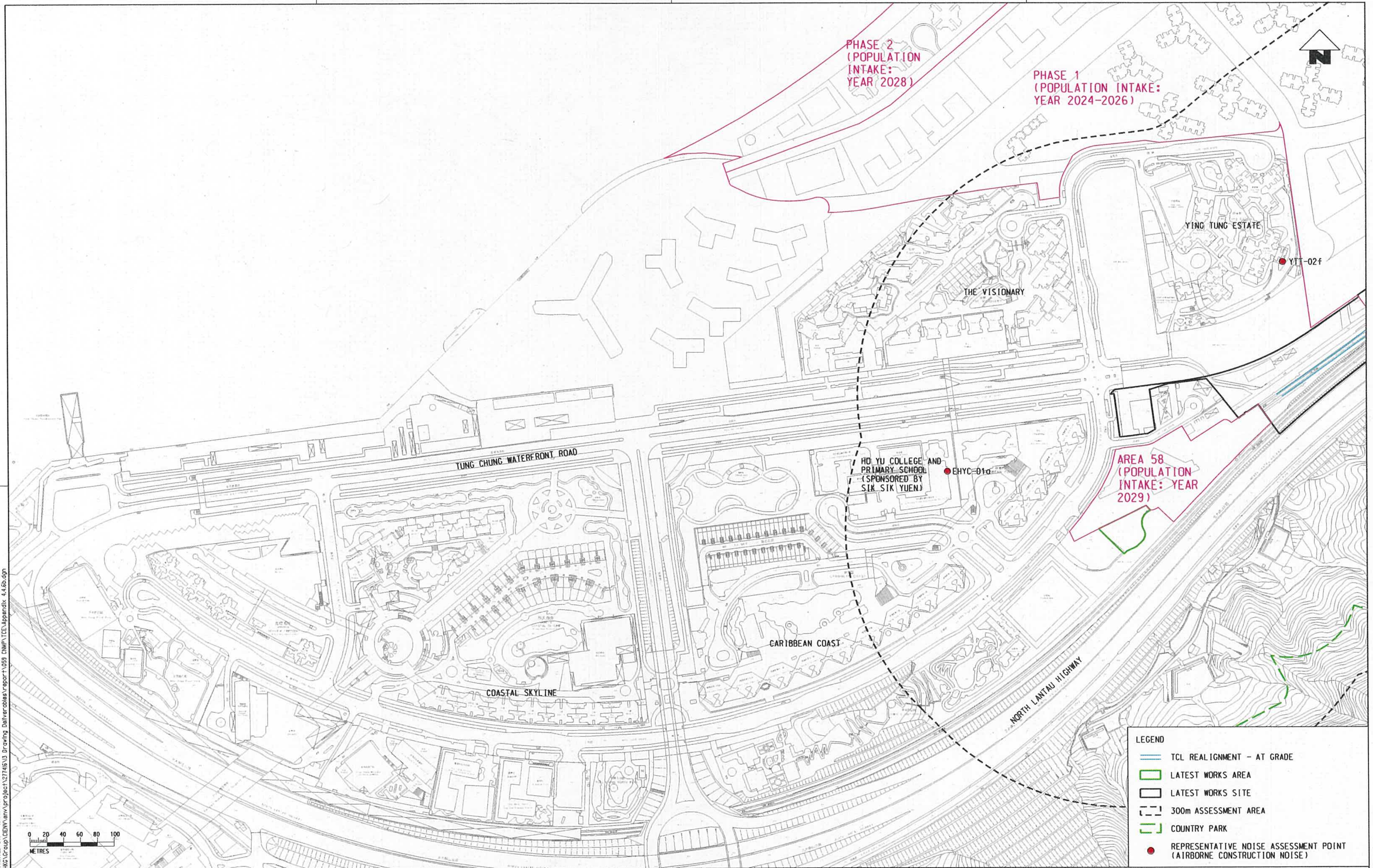
CADD REF. Appendix 4.4.6a.dgn

TITLE

PREDICTED NOISE LEVELS OF REPRESENTATIVE NOISE ASSESSMENT POINTS (AIRBORNE CONSTRUCTION NOISE)

SCALE	DRAWING NO.	REV.
1 : 4000 (A3)	APPENDIX 3.1a	A

PLOT DRV: g:\common\microstation_standard\default\rp_graphk_a3-pdf-c_env.plt
MODELNAME: Default
FILENAME: \\global\East\Hato\HKG\Group\CENV\env\project\277446\3 Drawing Deliverable\report\059 CNMP\TCE\Appendix 4.4.6a.dgn
PRINTED BY: INGTRA04 2/1/2023 10:44:47 AM



REV	DESCRIPTION	BY	DATE	APPROVED
A	FIRST ISSUE	GL	070223	FC

DRAWN	GL
DESIGNED	GL
CHECKED	EL
APPROVED	FC
DATE	07/02/2023

MTR

C1202 – EIA for Tung Chung Line Extension

ORIGINATOR

ARUP Ove Arup & Partners Hong Kong Limited

CADD REF. Appendix 4.4.6b.dgn

TITLE

PREDICTED NOISE LEVELS OF REPRESENTATIVE NOISE ASSESSMENT POINTS (AIRBORNE CONSTRUCTION NOISE)

SCALE 1 : 4000 (A3)

DRAWING NO. APPENDIX 3.1b

REV. A

PLOT DRV: g:\common\microstation standard\plotdrv\hp_arupkk_a3-pdf-c_env.plt
MODELNAME: Default
PRINTED BY: HKGTRA014 2/7/2023 10:29:39 AM
FILENAME: \\global\Eastasia\HKG\Group\CIENV\env\project\277416\13 Drawing Deliverables\report\059 CNMP\TCE\Appendix 4.4.6b.dgn

Appendix 3.2

Tentative Construction Programme

Tentative Construction Programme

Major Construction Activities	2023		2024				2025				2026				2027				2028				2029				2030			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
TCE																														
Site Clearance / Site Formation	■	■	■	■																										
Retaining Wall Construction	■	■	■	■	■	■	■																							
TCE Station structure - Foundation		■	■	■	■	■																								
Removal and Reprovision of Existing Noise Barrier						■	■	■	■	■	■	■																		
Construction of Above Ground Structure						■	■	■	■	■	■			■	■	■	■	■	■											
Removal of Existing Tracks																										■	■	■	■	■
Site Reinstatement																										■	■	■	■	■
Utilities, road and drainage reinstatement							■	■	■																	■				
ABWF, BS and E&M Works *								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				

Remarks:

1) * ABWF - Architectural Builder's Work and Finishes, BS - Building Service, E&M - Electrical and Mechanical

These works are minor construction works conducted inside building structure. Hence, no assessment shall be required in the EIA considering the environmental impact from these works is insignificant.

2) The planned construction works in October 2023 will be same as those conducted in September 2023.

Appendix 3.3

Detailed PME Inventory

PME Inventory for TCE

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station East Side Retaining Wall Foundation Construction												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station East Side Retaining Wall Foundation Construction (Zone E1)	Drill Rig, DTH Drilling Machine	90	0	2	CPME#	110	113			Barrier	-10	103
						Total SWL	**113**				**Total SWL**	**103**
TCE Station East Side Retaining Wall Foundation Construction (Zone E2)	Drill Rig, DTH Drilling Machine	90	0	2	CPME#	110	113			Barrier	-10	103
						Total SWL	**113**				**Total SWL**	**103**
TCE Station East Side Retaining Wall Foundation Construction (Zone E3)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**
TCE Station East Side Retaining Wall Foundation Construction (Zone E4)	Drill Rig, DTH Drilling Machine	90	0	2	CPME#	110	113			Barrier	-10	103
						Total SWL	**113**				**Total SWL**	**103**
TCE Station East Side Retaining Wall Foundation Construction (Zone E5)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**
TCE Station East Side Retaining Wall Foundation Construction (Zone E6)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**
TCE Station East Side Retaining Wall Foundation Construction (Zone E7)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**
TCE Station East Side Retaining Wall Foundation Construction (Zone E8)	Drill Rig, DTH Drilling Machine	90	0	2	CPME#	110	113			Barrier	-10	103
						Total SWL	**113**				**Total SWL**	**103**
TCE Station East Side Retaining Wall Foundation Construction (Zone E9)	Drill Rig, DTH Drilling Machine	90	0	2	CPME#	110	113			Barrier	-10	103
						Total SWL	**113**				**Total SWL**	**103**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E1)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	2	CNP047	109	109			Barrier	-10	99
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	1	CNP048	112	112	EPD-09130	101	Barrier	-5	96
						Total SWL	**115**				**Total SWL**	**106**
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E2)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	2	CNP047	109	109			Barrier	-10	99
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	1	CNP048	112	112	EPD-09130	101	Barrier	-5	96
						Total SWL	**115**				**Total SWL**	**106**
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E3)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	2	CNP047	109	109			Barrier	-10	99
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	1	CNP048	112	112	EPD-09130	101	Barrier	-5	96
						Total SWL	**115**				**Total SWL**	**106**
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E4)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	2	CNP047	109	109			Barrier	-10	99
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	1	CNP048	112	112	EPD-09130	101	Barrier	-5	96
						Total SWL	**115**				**Total SWL**	**106**
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E5)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	2	CNP047	109	109			Barrier	-10	99
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	1	CNP048	112	112	EPD-09130	101	Barrier	-5	96
						Total SWL	**115**				**Total SWL**	**106**
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E6)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	2	CNP047	109	109			Barrier	-10	99
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	1	CNP048	112	112	EPD-09130	101	Barrier	-5	96
						Total SWL	**115**				**Total SWL**	**106**
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E7)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	2	CNP047	109	109			Barrier	-10	99
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	1	CNP048	112	112	EPD-09130	101	Barrier	-5	96
						Total SWL	**115**				**Total SWL**	**106**
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E8)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	2	CNP047	109	109			Barrier	-10	99
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	1	CNP048	112	112	EPD-09130	101	Barrier	-5	96
						Total SWL	**115**				**Total SWL**	**106**
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E9)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	2	CNP047	109	109			Barrier	-10	99
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	1	CNP048	112	112	EPD-09130	101	Barrier	-5	96
						Total SWL	**115**				**Total SWL**	**106**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station East Side Site Clearance / Site Formation												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station East Side Site Clearance / Site Formation (Zone E1)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**123**				**Total SWL**	**113**
TCE Station East Side Site Clearance / Site Formation (Zone E2)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	100	0	1	CNP028	122	122			Barrier	-10	112
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**124**				**Total SWL**	**114**
TCE Station East Side Site Clearance / Site Formation (Zone E3)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**123**				**Total SWL**	**113**
TCE Station East Side Site Clearance / Site Formation (Zone E4)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**123**				**Total SWL**	**113**
TCE Station East Side Site Clearance / Site Formation (Zone E5)	Excavator	70	-2	2	CNP081	112	113	EPD-07150	90	Barrier	-5	86
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	1	CNP186	108	105	EPD-06997	94	Barrier	-5	86
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**122**				**Total SWL**	**112**
TCE Station East Side Site Clearance / Site Formation (Zone E6)	Excavator	70	-2	2	CNP081	112	113	EPD-07150	90	Barrier	-5	86
	Breaker, excavator mounted	100	0	1	CNP028	122	122			Barrier	-10	112
	Roller, Vibratory	50	-3	1	CNP186	108	105	EPD-06997	94	Barrier	-5	86
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**123**				**Total SWL**	**113**
TCE Station East Side Site Clearance / Site Formation (Zone E7)	Excavator	70	-2	2	CNP081	112	113	EPD-07150	90	Barrier	-5	86
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	1	CNP186	108	105	EPD-06997	94	Barrier	-5	86
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**122**				**Total SWL**	**112**
TCE Station East Side Site Clearance / Site Formation (Zone E8)	Excavator	70	-2	2	CNP081	112	113	EPD-07150	90	Barrier	-5	86
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	1	CNP186	108	105	EPD-06997	94	Barrier	-5	86
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**122**				**Total SWL**	**112**
TCE Station East Side Site Clearance / Site Formation (Zone E9)	Excavator	70	-2	2	CNP081	112	113	EPD-07150	90	Barrier	-5	86
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	1	CNP186	108	105	EPD-06997	94	Barrier	-5	86
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**122**				**Total SWL**	**112**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station East Side Site Formation for U/T Diversion												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station East Side Site Formation for U/T Diversion (Zone E2)	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
						Total SWL	**109**				**Total SWL**	**102**
TCE Station East Side Site Formation for U/T Diversion (Zone E3)	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
						Total SWL	**109**				**Total SWL**	**102**
TCE Station East Side Site Formation for U/T Diversion (Zone E4)	Concrete Lorry Mixer/ Concrete Truck	60	-2	1	CNP044	109	107			Barrier	-5	102
	Concrete Pump/ Electric Bentonite Circulation Pump	60	-2	1	CNP047	109	107			Barrier	-10	97
						Total SWL	**110**				**Total SWL**	**103**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station East Side Site Reinstatement												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station East Side Site Reinstatement (Zone E1)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**
TCE Station East Side Site Reinstatement (Zone E2)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**
TCE Station East Side Site Reinstatement (Zone E3)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**
TCE Station East Side Site Reinstatement (Zone E4)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**
TCE Station East Side Site Reinstatement (Zone E5)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station East Side Utilities, Road and Drainage Reinstatement												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E6)	Excavator	50	-3	4	CNP081	112	115	EPD-07150	90	Barrier	-5	88
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CPME#	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**119**				**Total SWL**	**108**
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E7)	Excavator	50	-3	4	CNP081	112	115	EPD-07150	90	Barrier	-5	88
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CPME#	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**119**				**Total SWL**	**108**
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E8)	Excavator	50	-3	4	CNP081	112	115	EPD-07150	90	Barrier	-5	88
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CPME#	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**119**				**Total SWL**	**108**
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E9)	Excavator	50	-3	4	CNP081	112	115	EPD-07150	90	Barrier	-5	88
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CPME#	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**119**				**Total SWL**	**108**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station East Side Removal of abandoned D/T												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station East Side Removal of abandoned D/T (Zone E1)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station East Side Removal of abandoned D/T (Zone E2)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station East Side Removal of abandoned D/T (Zone E3)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station East Side Removal of abandoned D/T (Zone E4)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station East Side Removal of abandoned D/T (Zone E5)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf
[4] Crane Lorry will not be used concurrently with Electric Grinder at any time during removal works.

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station East Side Removal of abandoned U/T												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station East Side Removal of abandoned U/T (Zone E1)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station East Side Removal of abandoned U/T (Zone E2)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station East Side Removal of abandoned U/T (Zone E3)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station East Side Removal of abandoned U/T (Zone E4)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station East Side Removal of abandoned U/T (Zone E5)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf
[4] Crane Lorry will not be used concurrently with Electric Grinder at any time during removal works.

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station East Side Stationary Plants												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station East Side Stationary Plants (S1)	Air Compressor	90	0	16	CNP003	104	116	EPD-09607	93	Barrier	-10	95
	Concrete Mixer/ Bentonite Mixer/ Grout Mixer	50	-3	5	CNP045	96	100			Barrier	-10	90
	Generator	90	0	3	CNP103	95	99	EPD-10735	87	Barrier	-5	86
	Grout Pump	50	-3	5	CPME#10	105	109			Barrier	-10	99
						Total SWL	**117**				**Total SWL**	**101**
TCE Station East Side Stationary Plants (S2)	Air Compressor	90	0	12	CNP003	104	114	EPD-09607	93	Barrier	-10	93
	Concrete Mixer/ Bentonite Mixer/ Grout Mixer	50	-3	3	CNP045	96	98			Barrier	-10	88
	Generator	90	0	4	CNP103	95	101	EPD-10735	87	Barrier	-5	88
	Grout Pump	50	-3	3	CPME#10	105	107			Barrier	-10	97
						Total SWL	**115**				**Total SWL**	**99**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station West Side Stationary Plants												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station West Side Stationary Plants (S1)	Concrete Mixer/ Bentonite Mixer/ Grout Mixer	50	-3	2	CNP045	96	96			Barrier	-10	86
	Grout Pump	50	-3	2	CPME#10	105	105			Barrier	-10	95
	Generator	90	0	3	CNP103	95	99	EPD-10735	87	Barrier	-5	86
	Air Compressor	90	0	8	CNP003	104	113	EPD-09607	93	Barrier	-10	92
						Total SWL	**114**				**Total SWL**	**97**
TCE Station West Side Stationary Plants (S2)	Concrete Mixer/ Bentonite Mixer/ Grout Mixer	50	-3	3	CNP045	96	98			Barrier	-10	88
	Grout Pump	50	-3	3	CPME#10	105	107			Barrier	-10	97
	Generator	90	0	4	CNP103	95	101	EPD-10735	87	Barrier	-5	88
	Air Compressor	90	0	12	CNP003	104	114	EPD-09607	93	Barrier	-10	93
						Total SWL	**115**				**Total SWL**	**99**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

Retaining Wall Construction (Retaining Wall and Mini Piles) W1-W3												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W1)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
						Total SWL	**109**				**Total SWL**	**102**
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W2)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
						Total SWL	**109**				**Total SWL**	**102**
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W3)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
						Total SWL	**109**				**Total SWL**	**102**
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W1)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W2)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W3)	Drill Rig, DTH Drilling Machine	90	0	2	CPME#	110	113			Barrier	-10	103
						Total SWL	**113**				**Total SWL**	**103**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Retaining Wall Construction (Retaining wall& mini piles) W4-W8												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
Retaining Wall 240m Section and noise mitigation measures (Zone W4)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	1	CNP048	112	111	EPD-09130	101	Barrier	-5	95
						Total SWL	**113**				**Total SWL**	**103**
Retaining Wall 240m Section and noise mitigation measures (Zone W5)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	1	CNP048	112	111	EPD-09130	101	Barrier	-5	95
						Total SWL	**113**				**Total SWL**	**103**
Retaining Wall 240m Section and noise mitigation measures (Zone W6)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	1	CNP048	112	111	EPD-09130	101	Barrier	-5	95
						Total SWL	**113**				**Total SWL**	**103**
Retaining Wall 240m Section and noise mitigation measures (Zone W7)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	1	CNP048	112	111	EPD-09130	101	Barrier	-5	95
						Total SWL	**113**				**Total SWL**	**103**
Retaining Wall 240m Section and noise mitigation measures (Zone W8)	Concrete Pump/ Electric Bentonite Circulation Pump	50	-3	1	CNP047	109	106			Barrier	-10	96
	Bar Bender and Cutter	50	-3	1	CNP021	90	87			Barrier	-10	77
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	1	CNP048	112	111	EPD-09130	101	Barrier	-5	95
						Total SWL	**113**				**Total SWL**	**103**
Retaining Wall Foundation 240m Section (Zone W4)	Drill Rig, DTH Drilling Machine	90	0	2	CPME#	110	113			Barrier	-10	103
						Total SWL	**113**				**Total SWL**	**103**
Retaining Wall Foundation 240m Section (Zone W5)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**
Retaining Wall Foundation 240m Section (Zone W6)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**
Retaining Wall Foundation 240m Section (Zone W7)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**
Retaining Wall Foundation 240m Section (Zone W8)	Drill Rig, DTH Drilling Machine	90	0	1	CPME#	110	110			Barrier	-10	100
						Total SWL	**110**				**Total SWL**	**100**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station West Side Site Clearance / Site Formation												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station West Side Site Clearance / Site Formation (Zone W1)	Excavator	70	-2	2	CNP081	112	113	EPD-07150	90	Barrier	-5	86
	Roller, Vibratory	50	-3	1	CNP186	108	105	EPD-06997	94	Barrier	-5	86
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**118**				**Total SWL**	**107**
TCE Station West Side Site Clearance / Site Formation (Zone W2)	Excavator	70	-2	2	CNP081	112	113	EPD-07150	90	Barrier	-5	86
	Roller, Vibratory	50	-3	1	CNP186	108	105	EPD-06997	94	Barrier	-5	86
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**118**				**Total SWL**	**107**
TCE Station West Side Site Clearance / Site Formation (Zone W3)	Excavator	70	-2	2	CNP081	112	113	EPD-07150	90	Barrier	-5	86
	Breaker, excavator mounted	70	-2	5	CNP028	122	127			Barrier	-10	117
	Roller, Vibratory	50	-3	1	CNP186	108	105	EPD-06997	94	Barrier	-5	86
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	4	CPME#	105	108			Barrier	-5	103
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**128**				**Total SWL**	**118**
TCE Station West Side Site Clearance / Site Formation (Zone W4)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	5	CNP028	122	127			Barrier	-10	117
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**128**				**Total SWL**	**118**
TCE Station West Side Site Clearance / Site Formation (Zone W5)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**123**				**Total SWL**	**113**
TCE Station West Side Site Clearance / Site Formation (Zone W6)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**123**				**Total SWL**	**113**
TCE Station West Side Site Clearance / Site Formation (Zone W7)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**123**				**Total SWL**	**113**
TCE Station West Side Site Clearance / Site Formation (Zone W8)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**123**				**Total SWL**	**113**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station West Side Utilities, Road and Drainage Reinstatement												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W1)	Excavator	50	-3	2	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	2	CPME#	105	105			Barrier	-5	100
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**117**				**Total SWL**	**106**
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W2)	Excavator	50	-3	2	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	2	CPME#	105	105			Barrier	-5	100
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**117**				**Total SWL**	**106**
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W3)	Excavator	50	-3	2	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry	50	-3	1	CNP141	112	109	CPME#	105	Barrier	-5	97
	Dump Truck	50	-3	2	CPME#	105	105			Barrier	-5	100
	Concrete Lorry Mixer/ Concrete Truck	50	-3	2	CNP044	109	109			Barrier	-5	104
						Total SWL	**117**				**Total SWL**	**106**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station West Side Removal and Reprovison of Existing Noise Barrier												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W1)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	2	CNP048	112	114	EPD-09130	101	Barrier	-5	98
	Electric drill/ Rock driller	50	-3	1	CNP064	103	100	EPD-08781	99	Barrier	-5	91
	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
						Total SWL	**114**				**Total SWL**	**99**
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W2)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	2	CNP048	112	114	EPD-09130	101	Barrier	-5	98
	Electric drill/ Rock driller	50	-3	1	CNP064	103	100	EPD-08781	99	Barrier	-5	91
	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
						Total SWL	**114**				**Total SWL**	**99**
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W3)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	2	CNP048	112	114	EPD-09130	101	Barrier	-5	98
	Electric drill/ Rock driller	50	-3	1	CNP064	103	100	EPD-08781	99	Barrier	-5	91
	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
						Total SWL	**114**				**Total SWL**	**99**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station West Side Site reinstatement												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station West Side Site reinstatement (Zone W1)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	100	0	2	CPME#	105	108			Barrier	-5	103
	Excavator	50	-3	1	CNP081	112	109	EPD-07150	90	Barrier	-5	82
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**116**				**Total SWL**	**106**
TCE Station West Side Site reinstatement (Zone W2)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	100	0	2	CPME#	105	108			Barrier	-5	103
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**106**
TCE Station West Side Site reinstatement (Zone W3)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	100	0	2	CPME#	105	108			Barrier	-5	103
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**106**
TCE Station West Side Site reinstatement (Zone W4)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**
TCE Station West Side Site reinstatement (Zone W5)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**
TCE Station West Side Site reinstatement (Zone W6)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**
TCE Station West Side Site reinstatement (Zone W7)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**
TCE Station West Side Site reinstatement (Zone W8)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	60	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	2	CPME#	105	105			Barrier	-5	100
	Excavator	90	0	1	CNP081	112	112	EPD-07150	90	Barrier	-5	85
	Hand Held Breaker	50	-3	1	CNP026	114	111	EPD-13019	101	Barrier	-5	93
	Concrete Lorry Mixer/ Concrete Truck	50	-3	1	CNP044	109	106			Barrier	-5	101
	Air Compressor	50	-3	1	CNP003	104	101	EPD-09607	93	Barrier	-10	80
						Total SWL	**117**				**Total SWL**	**104**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station West Side Removal of abandoned D/T												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station West Side Removal of abandoned D/T (Zone W1)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned D/T (Zone W2)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned D/T (Zone W3)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned D/T (Zone W4)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned D/T (Zone W5)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned D/T (Zone W6)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned D/T (Zone W7)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned D/T (Zone W8)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station West Side Removal of abandoned U/T												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time** [1]	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference** [2], [3]	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station West Side Removal of abandoned U/T (Zone W1)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned U/T (Zone W2)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned U/T (Zone W3)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned U/T (Zone W4)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned U/T (Zone W5)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned U/T (Zone W6)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned U/T (Zone W7)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station West Side Removal of abandoned U/T (Zone W8)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CNP145	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station Area Stationary Plants												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station Area Stationary Plants (S1)	Generator	50	-3	2	CNP103	95	95	EPD-10735	87	Barrier	-5	82
	Air Compressor	90	0	5	CNP003	104	111	EPD-09607	93	Barrier	-10	90
						Total SWL	**111**				**Total SWL**	**90**
TCE Station Area Stationary Plants (S2)	Generator	50	-3	1	CNP103	95	92	EPD-10735	87	Barrier	-5	79
	Air Compressor	90	0	3	CNP003	104	108	EPD-09607	93	Barrier	-10	87
						Total SWL	**108**				**Total SWL**	**88**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station Site Clearance/Site Formation												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station Site Clearance/Site Formation (Zone A)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	4	CNP044	109	112			Barrier	-5	107
						Total SWL	**124**				**Total SWL**	**113**
TCE Station Site Clearance/Site Formation (Zone B)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Breaker, excavator mounted	70	-2	1	CNP028	122	120			Barrier	-10	110
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	4	CNP044	109	112			Barrier	-5	107
						Total SWL	**124**				**Total SWL**	**113**
TCE Station Site Clearance/Site Formation (Zone C)	Excavator	70	-2	4	CNP081	112	116	EPD-07150	90	Barrier	-5	89
	Roller, Vibratory	50	-3	2	CNP186	108	108	EPD-06997	94	Barrier	-5	89
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	2	CNP048	112	113	EPD-09130	101	Barrier	-5	97
	Lorry	50	-3	2	CNP141	112	112	CPME#	105	Barrier	-5	100
	Dump Truck	50	-3	8	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	50	-3	4	CNP044	109	112			Barrier	-5	107
						Total SWL	**121**				**Total SWL**	**110**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station Structure - Foundation												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station Structure - Foundation (Zone A)	Piling, Large Dia Bored, Oscillator	90	0	3	CNP165	115	119			Barrier	-10	109
	Air Compressor	90	0	3	CNP003	104	108	EPD-09607	93	Barrier	-10	87
	Drill Rig, DTH Drilling Machine	70	-2	3	CPME#	110	113			Barrier	-10	103
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	1	CNP048	112	111	EPD-09130	101	Barrier	-5	95
	Concrete Lorry Mixer/ Concrete Truck	80	-1	1	CNP044	109	108			Barrier	-5	103
						Total SWL	**121**				**Total SWL**	**111**
TCE Station Structure - Foundation (Zone B)	Piling, Large Dia Bored, Oscillator	90	0	3	CNP165	115	119			Barrier	-10	109
	Air Compressor	90	0	4	CNP003	104	110	EPD-09607	93	Barrier	-10	89
	Drill Rig, DTH Drilling Machine	70	-2	3	CPME#	110	113			Barrier	-10	103
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	1	CNP048	112	111	EPD-09130	101	Barrier	-5	95
	Concrete Lorry Mixer/ Concrete Truck	80	-1	1	CNP044	109	108			Barrier	-5	103
						Total SWL	**121**				**Total SWL**	**111**
TCE Station Structure - Foundation (Zone C)	Piling, Large Dia Bored, Oscillator	90	0	3	CNP165	115	119			Barrier	-10	109
	Air Compressor	90	0	3	CNP003	104	108	EPD-09607	93	Barrier	-10	87
	Drill Rig, DTH Drilling Machine	70	-2	3	CPME#	110	113			Barrier	-10	103
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	1	CNP048	112	111	EPD-09130	101	Barrier	-5	95
	Concrete Lorry Mixer/ Concrete Truck	80	-1	1	CNP044	109	108			Barrier	-5	103
						Total SWL	**121**				**Total SWL**	**111**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station Link Bridge Foundation											
					Unmitigated			Mitigated			
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station Link Bridge Foundation (Zone C)	Piling, Large Dia Bored, Oscillator	90	0	2	CNP165	115	118		Barrier	-10	108
	Drill Rig, DTH Drilling Machine	70	-2	2	CPME#	110	111		Barrier	-10	101
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	80	-1	1	CNP048	112	111	101	Barrier	-5	95
	Concrete Lorry Mixer/ Concrete Truck	80	-1	1	CNP044	109	108		Barrier	-5	103
	Concrete Pump/ Electric Bentonite Circulation Pump	80	-1	1	CNP047	109	108		Barrier	-10	98
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	1	CPME#	105	102		Barrier	-5	97
	Electric drill/ Rock driller	60	-2	1	CNP064	103	101	99	Barrier	-5	92
	Vibratory Poker	60	-2	3	CNP170	113	116	102	Barrier	-10	95
						Total SWL	**122**			**Total SWL**	**111**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone A)	Bar Bender and Cutter	100	0	1	CNP021	90	90			Barrier	-10	80
	Concrete Lorry Mixer/ Concrete Truck	80	-1	1	CNP044	109	108			Barrier	-5	103
	Concrete Pump/ Electric Bentonite Circulation Pump	80	-1	1	CNP047	109	108			Barrier	-10	98
	Saw, Circular, Wood	50	-3	1	CNP201	108	105			Barrier	-10	95
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
	Electric drill/ Rock driller	60	-2	1	CNP064	103	101	EPD-08781	99	Barrier	-5	92
	Vibratory Poker	60	-2	3	CNP170	113	116	CPME#	102	Barrier	-10	95
						Total SWL	**118**				**Total SWL**	**106**
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone B)	Bar Bender and Cutter	100	0	1	CNP021	90	90			Barrier	-10	80
	Concrete Lorry Mixer/ Concrete Truck	80	-1	1	CNP044	109	108			Barrier	-5	103
	Concrete Pump/ Electric Bentonite Circulation Pump	80	-1	1	CNP047	109	108			Barrier	-10	98
	Saw, Circular, Wood	50	-3	1	CNP201	108	105			Barrier	-10	95
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
	Electric drill/ Rock driller	60	-2	1	CNP064	103	101	EPD-08781	99	Barrier	-5	92
						Total SWL	**115**				**Total SWL**	**106**
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone C)	Bar Bender and Cutter	100	0	1	CNP021	90	90			Barrier	-10	80
	Concrete Lorry Mixer/ Concrete Truck	80	-1	1	CNP044	109	108			Barrier	-5	103
	Concrete Pump/ Electric Bentonite Circulation Pump	80	-1	1	CNP047	109	108			Barrier	-10	98
	Saw, Circular, Wood	50	-3	1	CNP201	108	105			Barrier	-10	95
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
	Electric drill/ Rock driller	60	-2	1	CNP064	103	101	EPD-08781	99	Barrier	-5	92
	Vibratory Poker	60	-2	3	CNP170	113	116	CPME#	102	Barrier	-10	95
						Total SWL	**118**				**Total SWL**	**106**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station Site Reinstatement												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station Site Reinstatement (Zone A)	Excavator	100	0	4	CNP081	112	118	EPD-07150	90	Barrier	-5	91
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	50	-3	2	CNP048	112	112	EPD-09130	101	Barrier	-5	96
	Lorry	100	0	2	CNP141	112	115	CPME#	105	Barrier	-5	103
	Dump Truck	100	0	4	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	100	0	2	CNP044	109	112			Barrier	-5	107
	Roller, Vibratory	70	-2	2	CNP186	108	109	EPD-06997	94	Barrier	-5	90
	Vibratory Poker	50	-3	4	CNP170	113	116	CPME#	102	Barrier	-10	95
	Saw, Circular, Wood	30	-5	2	CNP201	108	106			Barrier	-10	96
						Total SWL	**123**				**Total SWL**	**111**
TCE Station Site Reinstatement (Zone B)	Excavator	100	0	4	CNP081	112	118	EPD-07150	90	Barrier	-5	91
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	50	-3	2	CNP048	112	112	EPD-09130	101	Barrier	-5	96
	Lorry	100	0	2	CNP141	112	115	CPME#	105	Barrier	-5	103
	Dump Truck	100	0	4	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	100	0	2	CNP044	109	112			Barrier	-5	107
	Roller, Vibratory	70	-2	2	CNP186	108	109	EPD-06997	94	Barrier	-5	90
	Vibratory Poker	50	-3	4	CNP170	113	116	CPME#	102	Barrier	-10	95
	Saw, Circular, Wood	30	-5	2	CNP201	108	106			Barrier	-10	96
						Total SWL	**123**				**Total SWL**	**111**
TCE Station Site Reinstatement (Zone C)	Excavator	100	0	4	CNP081	112	118	EPD-07150	90	Barrier	-5	91
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	100	0	2	CNP048	112	115	EPD-09130	101	Barrier	-5	99
	Lorry	100	0	2	CNP141	112	115	CPME#	105	Barrier	-5	103
	Dump Truck	100	0	4	CPME#	105	111			Barrier	-5	106
	Concrete Lorry Mixer/ Concrete Truck	100	0	2	CNP044	109	112			Barrier	-5	107
	Roller, Vibratory	70	-2	2	CNP186	108	109	EPD-06997	94	Barrier	-5	90
	Vibratory Poker	50	-3	4	CNP170	113	116	CPME#	102	Barrier	-10	95
	Saw, Circular, Wood	30	-5	2	CNP201	108	106			Barrier	-10	96
						Total SWL	**123**				**Total SWL**	**111**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE - Link Bridge Structure												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE - Link Bridge Structure (Zone C)	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	50	-3	2	CNP048	112	112	EPD-09130	101	Barrier	-5	96
	Bar Bender and Cutter	100	0	1	CNP021	90	90			Barrier	-10	80
	Concrete Lorry Mixer/ Concrete Truck	80	-1	1	CNP044	109	108			Barrier	-5	103
	Concrete Pump/ Electric Bentonite Circulation Pump	80	-1	1	CNP047	109	108			Barrier	-10	98
	Saw, Circular, Wood	50	-3	1	CNP201	108	105			Barrier	-10	95
	Mobile Crane/ Service Crane/ Crawler Crane/ Lifting crane	70	-2	1	CNP048	112	110	EPD-09130	101	Barrier	-5	94
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
	Electric drill/ Rock driller	60	-2	1	CNP064	103	101	EPD-08781	99	Barrier	-5	92
	Vibratory Poker	60	-2	3	CNP170	113	116	CPME#	102	Barrier	-10	95
						Total SWL	**119**				**Total SWL**	**107**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

TCE Station Removal of abandoned D/T												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station Removal of abandoned D/T (Zone A)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station Removal of abandoned D/T (Zone B)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station Removal of abandoned D/T (Zone C)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Plant Inventory TCE Station Station

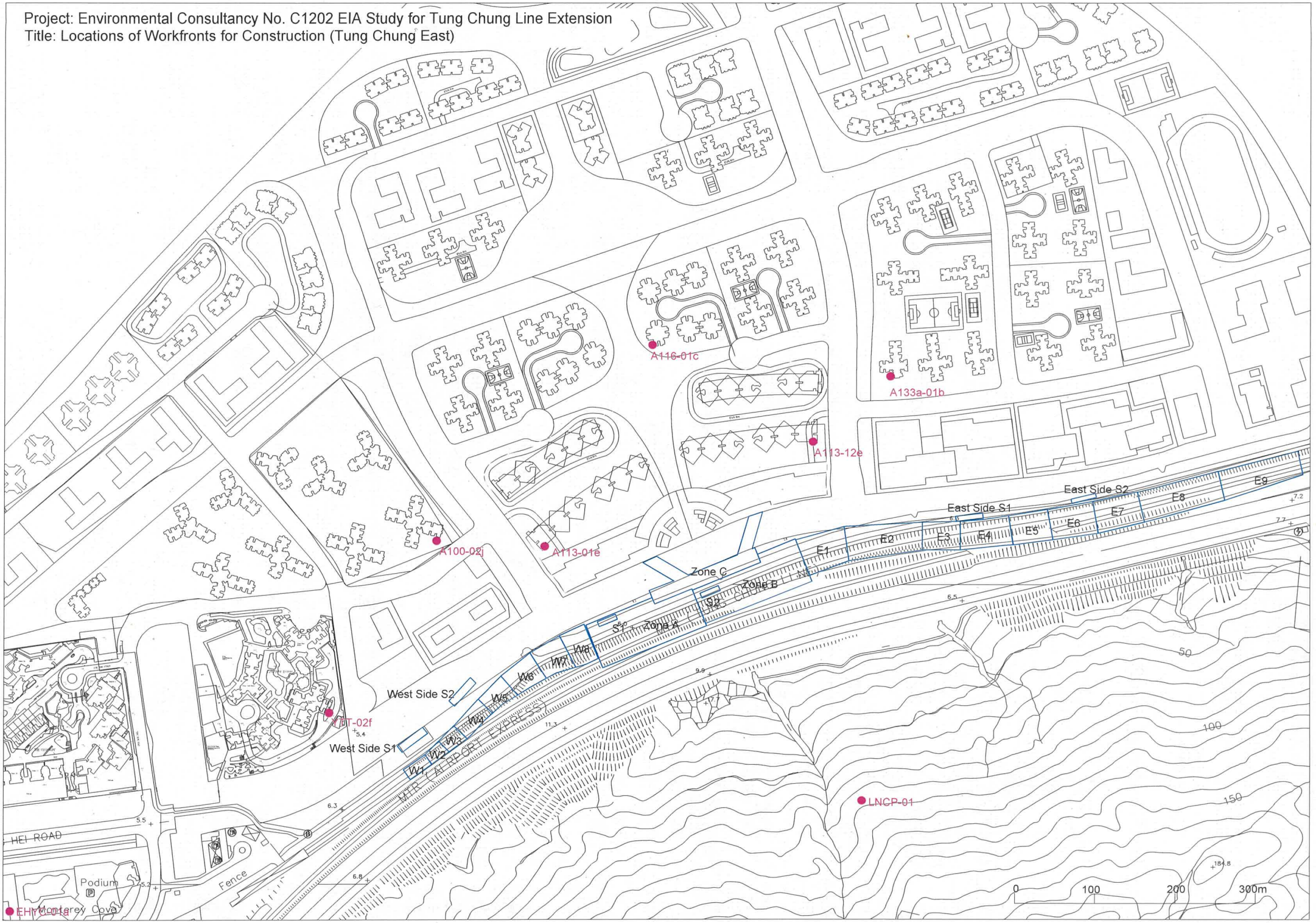
TCE Station Removal of abandoned U/T												
					Unmitigated			Mitigated				
Works Area/ Activity	**PME**	**% Operating Time [1]**	**Time Correction dB(A)**	**Units**	**PME Reference**	**Single Unit PME dB(A)**	**Total SWL dB(A)**	**QPME Reference [2], [3]**	**Single Unit QPME dB(A)**	**Mitigation Measures**	**Correction dB(A)**	**Total SWL dB(A)**
TCE Station Removal of abandoned U/T (Zone A)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station Removal of abandoned U/T (Zone B)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**
TCE Station Removal of abandoned U/T (Zone C)	Grinder	50	-3	1	CNP065	98	95			Barrier	-5	90
	Lorry, with crane/grab	50	-3	1	CPME#	105	102			Barrier	-5	97
						Total SWL	**103**				**Total SWL**	**98**

Note:
[1] Percentage on time within 30 minutes.
[2] PME with code "EPD-XXXXX" are quiet equipment with SWLs extracted from EPD's QPME inventory.
[3] The SWL of quiet plant with code "CPME#" are based on SWLs of other commonly used PME from https://www.epd.gov.hk/epd/sites/default/files/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf

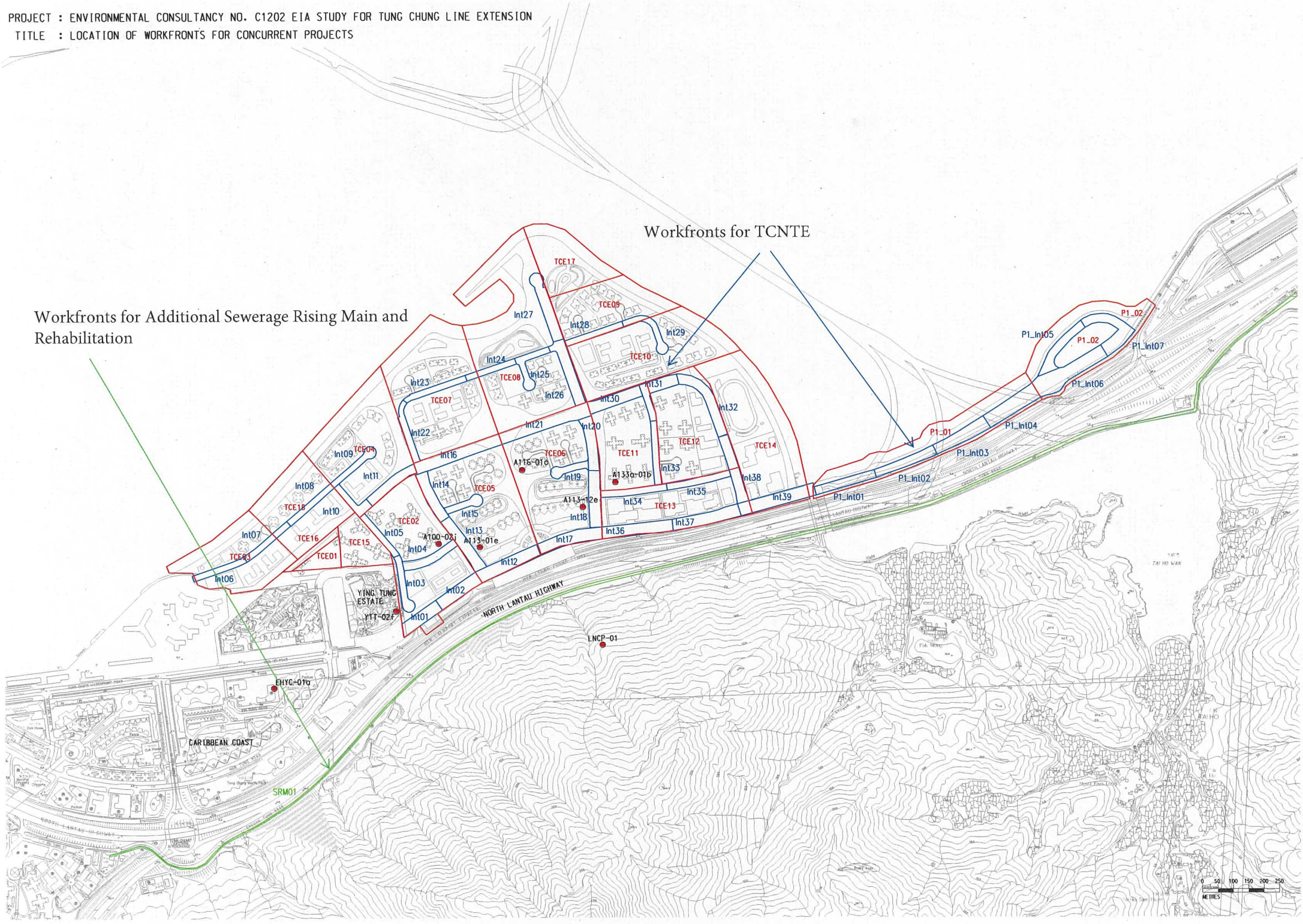
Appendix 3.4

Locations of Workfronts for Construction

Project: Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title: Locations of Workfronts for Construction (Tung Chung East)

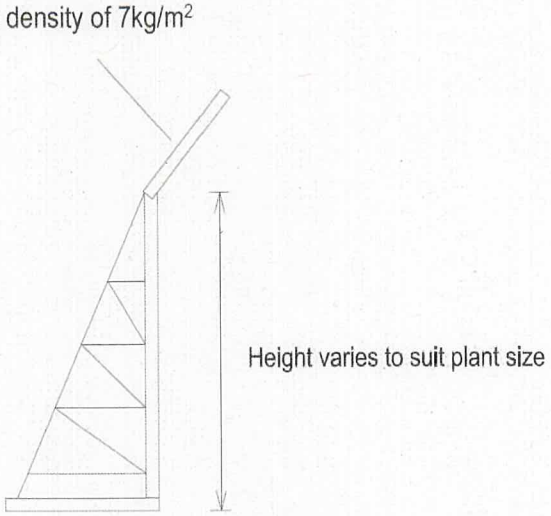


PROJECT : ENVIRONMENTAL CONSULTANCY NO. C1202 EIA STUDY FOR TUNG CHUNG LINE EXTENSION
TITLE : LOCATION OF WORKFRONTS FOR CONCURRENT PROJECTS



Appendix 3.5

Sketch of Typical Temporary Noise Barrier



Typical Section of Temporary Movable Noise Barrier
(2-4m tall)

Section of Typical Temporary Noise Barrier

Appendix 3.6

Predicted Construction Noise Impacts with Implementation of Noise Mitigated Measures

Mitigated Construction Noise for TCE

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2023						2024												2025											
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TCE Station East Side Retaining Wall Foundation Construction																															
TCE Station East Side Retaining Wall Foundation Construction (Zone E1)	103			103	103	103	103	103	103	103	103	103	103	103																	
TCE Station East Side Retaining Wall Foundation Construction (Zone E2)	103			103	103	103	103	103	103	103	103	103	103	103																	
TCE Station East Side Retaining Wall Foundation Construction (Zone E3)	100			100	100	100	100	100	100	100	100	100	100	100																	
TCE Station East Side Retaining Wall Foundation Construction (Zone E4)	103			103	103	103	103	103	103	103	103	103	103	103																	
TCE Station East Side Retaining Wall Foundation Construction (Zone E5)	100			100	100	100	100	100	100	100	100	100	100	100																	
TCE Station East Side Retaining Wall Foundation Construction (Zone E6)	100			100	100	100	100	100	100	100	100	100	100	100																	
TCE Station East Side Retaining Wall Foundation Construction (Zone E7)	100			100	100	100	100	100	100	100	100	100	100	100																	
TCE Station East Side Retaining Wall Foundation Construction (Zone E8)	103			103	103	103	103	103	103	103	103	103	103	103																	
TCE Station East Side Retaining Wall Foundation Construction (Zone E9)	103			103	103	103	103	103	103	103	103	103	103	103																	
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures																															
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E1)	106							106	106	106	106	106	106	106	106	106	106	106	106	106	106	106									
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E2)	106							106	106	106	106	106	106	106	106	106	106	106	106	106	106	106									
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E3)	106							106	106	106	106	106	106	106	106	106	106	106	106	106	106	106									
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E4)	106							106	106	106	106	106	106	106	106	106	106	106	106	106	106	106									
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E5)	106							106	106	106	106	106	106	106	106	106	106	106	106	106	106	106									
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E6)	106							106	106	106	106	106	106	106	106	106	106	106	106	106	106	106									
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E7)	106							106	106	106	106	106	106	106	106	106	106	106	106	106	106	106									
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E8)	106							106	106	106	106	106	106	106	106	106	106	106	106	106	106	106									
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E9)	106							106	106	106	106	106	106	106	106	106	106	106	106	106	106	106									
TCE Station East Side Site Clearance / Site Formation																															
TCE Station East Side Site Clearance / Site Formation (Zone E1)	113	113	113	113	113	113	113	113	113	113	113	113																			
TCE Station East Side Site Clearance / Site Formation (Zone E2)	114	114	114	114	114	114	114	114	114	114	114	114																			
TCE Station East Side Site Clearance / Site Formation (Zone E3)	113	113	113	113	113	113	113	113	113	113	113	113																			
TCE Station East Side Site Clearance / Site Formation (Zone E4)	113	113	113	113	113	113	113	113	113	113	113	113																			
TCE Station East Side Site Clearance / Site Formation (Zone E5)	112	112	112	112	112	112	112	112	112	112	112	112																			
TCE Station East Side Site Clearance / Site Formation (Zone E6)	113	113	113	113	113	113	113	113	113	113	113	113																			
TCE Station East Side Site Clearance / Site Formation (Zone E7)	112	112	112	112	112	112	112	112	112	112	112	112																			
TCE Station East Side Site Clearance / Site Formation (Zone E8)	112	112	112	112	112	112	112	112	112	112	112	112																			
TCE Station East Side Site Clearance / Site Formation (Zone E9)	112	112	112	112	112	112	112	112	112	112	112	112																			
TCE Station East Side Site Formation for U/T Diversion																															
TCE Station East Side Site Formation for U/T Diversion (Zone E2)	102																														
TCE Station East Side Site Formation for U/T Diversion (Zone E3)	102																														
TCE Station East Side Site Formation for U/T Diversion (Zone E4)	103				103	103	103	103	103	103																					
TCE Station East Side Site Reinstatement																															
TCE Station East Side Site Reinstatement (Zone E1)	104																														
TCE Station East Side Site Reinstatement (Zone E2)	104																														
TCE Station East Side Site Reinstatement (Zone E3)	104																														
TCE Station East Side Site Reinstatement (Zone E4)	104																														
TCE Station East Side Site Reinstatement (Zone E5)	104																														
TCE Station East Side Utilities, Road and Drainage Reinstatement																															
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E6)	108																					108	108	108	108	108					
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E7)	108																					108	108	108	108	108					
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E8)	108																					108	108	108	108	108					
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E9)	108																					108	108	108	108	108					
TCE Station East Side Removal of abandoned D/T																															
TCE Station East Side Removal of abandoned D/T (Zone E1)	98																														
TCE Station East Side Removal of abandoned D/T (Zone E2)	98																														
TCE Station East Side Removal of abandoned D/T (Zone E3)	98																														
TCE Station East Side Removal of abandoned D/T (Zone E4)	98																														
TCE Station East Side Removal of abandoned D/T (Zone E5)	98																														
TCE Station East Side Removal of abandoned U/T																															
TCE Station East Side Removal of abandoned U/T (Zone E1)	98																														
TCE Station East Side Removal of abandoned U/T (Zone E2)	98																														
TCE Station East Side Removal of abandoned U/T (Zone E3)	98																														
TCE Station East Side Removal of abandoned U/T (Zone E4)	98																														
TCE Station East Side Removal of abandoned U/T (Zone E5)	98																														

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2026												2027												2028									
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TCE Station East Side Retaining Wall Foundation Construction																																				
TCE Station East Side Retaining Wall Foundation Construction (Zone E1)	103																																			
TCE Station East Side Retaining Wall Foundation Construction (Zone E2)	103																																			
TCE Station East Side Retaining Wall Foundation Construction (Zone E3)	100																																			
TCE Station East Side Retaining Wall Foundation Construction (Zone E4)	103																																			
TCE Station East Side Retaining Wall Foundation Construction (Zone E5)	100																																			
TCE Station East Side Retaining Wall Foundation Construction (Zone E6)	100																																			
TCE Station East Side Retaining Wall Foundation Construction (Zone E7)	100																																			
TCE Station East Side Retaining Wall Foundation Construction (Zone E8)	103																																			
TCE Station East Side Retaining Wall Foundation Construction (Zone E9)	103																																			
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures																																				
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E1)	106																																			
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E2)	106																																			
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E3)	106																																			
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E4)	106																																			
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E5)	106																																			
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E6)	106																																			
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E7)	106																																			
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E8)	106																																			
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E9)	106																																			
TCE Station East Side Site Clearance / Site Formation																																				
TCE Station East Side Site Clearance / Site Formation (Zone E1)	113																																			
TCE Station East Side Site Clearance / Site Formation (Zone E2)	114																																			
TCE Station East Side Site Clearance / Site Formation (Zone E3)	113																																			
TCE Station East Side Site Clearance / Site Formation (Zone E4)	113																																			
TCE Station East Side Site Clearance / Site Formation (Zone E5)	112																																			
TCE Station East Side Site Clearance / Site Formation (Zone E6)	113																																			
TCE Station East Side Site Clearance / Site Formation (Zone E7)	112																																			
TCE Station East Side Site Clearance / Site Formation (Zone E8)	112																																			
TCE Station East Side Site Clearance / Site Formation (Zone E9)	112																																			
TCE Station East Side Site Formation for U/T Diversion																																				
TCE Station East Side Site Formation for U/T Diversion (Zone E2)	102																												102	102	102	102	102	102	102	102	102
TCE Station East Side Site Formation for U/T Diversion (Zone E3)	102																												102	102	102	102	102	102	102	102	102
TCE Station East Side Site Formation for U/T Diversion (Zone E4)	103																																			
TCE Station East Side Site Reinstatement																																				
TCE Station East Side Site Reinstatement (Zone E1)	104																																			
TCE Station East Side Site Reinstatement (Zone E2)	104																																			
TCE Station East Side Site Reinstatement (Zone E3)	104																																			
TCE Station East Side Site Reinstatement (Zone E4)	104																																			
TCE Station East Side Site Reinstatement (Zone E5)	104																																			
TCE Station East Side Utilities, Road and Drainage Reinstatement																																				
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E6)	108																																			
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E7)	108																																			
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E8)	108																																			
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E9)	108																																			
TCE Station East Side Removal of abandoned D/T																																				
TCE Station East Side Removal of abandoned D/T (Zone E1)	98																																			
TCE Station East Side Removal of abandoned D/T (Zone E2)	98																																			
TCE Station East Side Removal of abandoned D/T (Zone E3)	98																																			
TCE Station East Side Removal of abandoned D/T (Zone E4)	98																																			
TCE Station East Side Removal of abandoned D/T (Zone E5)	98																																			
TCE Station East Side Removal of abandoned U/T																																				
TCE Station East Side Removal of abandoned U/T (Zone E1)	98																																			
TCE Station East Side Removal of abandoned U/T (Zone E2)	98																																			
TCE Station East Side Removal of abandoned U/T (Zone E3)	98																																			
TCE Station East Side Removal of abandoned U/T (Zone E4)	98																																			
TCE Station East Side Removal of abandoned U/T (Zone E5)	98																																			

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2029												2030											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TCE Station East Side Retaining Wall Foundation Construction																									
TCE Station East Side Retaining Wall Foundation Construction (Zone E1)	103																								
TCE Station East Side Retaining Wall Foundation Construction (Zone E2)	103																								
TCE Station East Side Retaining Wall Foundation Construction (Zone E3)	100																								
TCE Station East Side Retaining Wall Foundation Construction (Zone E4)	103																								
TCE Station East Side Retaining Wall Foundation Construction (Zone E5)	100																								
TCE Station East Side Retaining Wall Foundation Construction (Zone E6)	100																								
TCE Station East Side Retaining Wall Foundation Construction (Zone E7)	100																								
TCE Station East Side Retaining Wall Foundation Construction (Zone E8)	103																								
TCE Station East Side Retaining Wall Foundation Construction (Zone E9)	103																								
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures																									
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E1)	106																								
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E2)	106																								
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E3)	106																								
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E4)	106																								
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E5)	106																								
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E6)	106																								
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E7)	106																								
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E8)	106																								
TCE Station East Side Retaining Wall Construction and Noise Mitigation Measures (Zone E9)	106																								
TCE Station East Side Site Clearance / Site Formation																									
TCE Station East Side Site Clearance / Site Formation (Zone E1)	113																								
TCE Station East Side Site Clearance / Site Formation (Zone E2)	114																								
TCE Station East Side Site Clearance / Site Formation (Zone E3)	113																								
TCE Station East Side Site Clearance / Site Formation (Zone E4)	113																								
TCE Station East Side Site Clearance / Site Formation (Zone E5)	112																								
TCE Station East Side Site Clearance / Site Formation (Zone E6)	113																								
TCE Station East Side Site Clearance / Site Formation (Zone E7)	112																								
TCE Station East Side Site Clearance / Site Formation (Zone E8)	112																								
TCE Station East Side Site Clearance / Site Formation (Zone E9)	112																								
TCE Station East Side Site Formation for U/T Diversion																									
TCE Station East Side Site Formation for U/T Diversion (Zone E2)	102																								
TCE Station East Side Site Formation for U/T Diversion (Zone E3)	102																								
TCE Station East Side Site Formation for U/T Diversion (Zone E4)	103																								
TCE Station East Side Site Reinstatement																									
TCE Station East Side Site Reinstatement (Zone E1)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
TCE Station East Side Site Reinstatement (Zone E2)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
TCE Station East Side Site Reinstatement (Zone E3)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
TCE Station East Side Site Reinstatement (Zone E4)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
TCE Station East Side Site Reinstatement (Zone E5)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
TCE Station East Side Utilities, Road and Drainage Reinstatement																									
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E6)	108																								
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E7)	108																								
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E8)	108																								
TCE Station East Side Utilities, Road and Drainage Reinstatement (Zone E9)	108																								
TCE Station East Side Removal of abandoned D/T																									
TCE Station East Side Removal of abandoned D/T (Zone E1)	98										98	98	98	98											
TCE Station East Side Removal of abandoned D/T (Zone E2)	98										98	98	98	98											
TCE Station East Side Removal of abandoned D/T (Zone E3)	98										98	98	98	98											
TCE Station East Side Removal of abandoned D/T (Zone E4)	98										98	98	98	98											
TCE Station East Side Removal of abandoned D/T (Zone E5)	98										98	98	98	98											
TCE Station East Side Removal of abandoned U/T																									
TCE Station East Side Removal of abandoned U/T (Zone E1)	98																		98	98	98	98	98	98	
TCE Station East Side Removal of abandoned U/T (Zone E2)	98																		98	98	98	98	98	98	
TCE Station East Side Removal of abandoned U/T (Zone E3)	98																		98	98	98	98	98	98	
TCE Station East Side Removal of abandoned U/T (Zone E4)	98																		98	98	98	98	98	98	
TCE Station East Side Removal of abandoned U/T (Zone E5)	98																		98	98	98	98	98	98	

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2023						2024												2025											
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TCE Station East Side Stationary Plants																															
TCE Station East Side Stationary Plants (S1)	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101					
TCE Station East Side Stationary Plants (S2)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99					
TCE Station West Side Stationary Plants																															
TCE Station West Side Stationary Plants (S1)	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
TCE Station West Side Stationary Plants (S2)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
Construction of Retaining Wall 240m Section and noise mitigation measures																															
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W1)	102									102	102	102	102	102																	
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W2)	102									102	102	102	102	102																	
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W3)	102									102	102	102	102	102																	
Retaining Wall Mini piles 80m opposite Ying Tung Estate																															
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W1)	100			100	100	100	100	100	100	100																					
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W2)	100			100	100	100	100	100	100	100																					
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W3)	103			103	103	103	103	103	103	103																					
Retaining Wall 240m Section and noise mitigation measures																															
Retaining Wall 240m Section and noise mitigation measures (Zone W4)	103							103	103	103	103	103	103	103	103	103															
Retaining Wall 240m Section and noise mitigation measures (Zone W5)	103							103	103	103	103	103	103	103	103	103															
Retaining Wall 240m Section and noise mitigation measures (Zone W6)	103							103	103	103	103	103	103	103	103	103															
Retaining Wall 240m Section and noise mitigation measures (Zone W7)	103							103	103	103	103	103	103	103	103	103															
Retaining Wall 240m Section and noise mitigation measures (Zone W8)	103							103	103	103	103	103	103	103	103	103															
Retaining Wall Foundation 240m Section																															
Retaining Wall Foundation 240m Section (Zone W4)	103			103	103	103	103	103	103	103	103	103																			
Retaining Wall Foundation 240m Section (Zone W5)	100			100	100	100	100	100	100	100	100	100																			
Retaining Wall Foundation 240m Section (Zone W6)	100			100	100	100	100	100	100	100	100	100																			
Retaining Wall Foundation 240m Section (Zone W7)	100			100	100	100	100	100	100	100	100	100																			
Retaining Wall Foundation 240m Section (Zone W8)	100			100	100	100	100	100	100	100	100	100																			
TCE Station West Side Site Clearance / Site Formation																															
TCE Station West Side Site Clearance / Site Formation (Zone W1)	107	107	107	107	107	107	107	107	107	107	107	107																			
TCE Station West Side Site Clearance / Site Formation (Zone W2)	107	107	107	107	107	107	107	107	107	107	107	107																			
TCE Station West Side Site Clearance / Site Formation (Zone W3)	118	118	118	118	118	118	118	118	118	118	118	118																			
TCE Station West Side Site Clearance / Site Formation (Zone W4)	118	118	118	118	118	118	118	118	118	118	118	118																			
TCE Station West Side Site Clearance / Site Formation (Zone W5)	113	113	113	113	113	113	113	113	113	113	113	113																			
TCE Station West Side Site Clearance / Site Formation (Zone W6)	113	113	113	113	113	113	113	113	113	113	113	113																			
TCE Station West Side Site Clearance / Site Formation (Zone W7)	113	113	113	113	113	113	113	113	113	113	113	113																			
TCE Station West Side Site Clearance / Site Formation (Zone W8)	113	113	113	113	113	113	113	113	113	113	113	113																			
TCE Station West Side Utilities, Road and Drainage Reinstatement																															
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W1)	106																					106	106	106	106	106					
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W2)	106																					106	106	106	106	106					
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W3)	106																					106	106	106	106	106					
TCE Station West Side Removal and Reprovison of Existing Noise Barrier																															
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W1)	99																99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W2)	99																99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W3)	99																99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
TCE Station West Side Site reinstatement																															
TCE Station West Side Site reinstatement (Zone W1)	106																														
TCE Station West Side Site reinstatement (Zone W2)	106																														
TCE Station West Side Site reinstatement (Zone W3)	106																														
TCE Station West Side Site reinstatement (Zone W4)	104																														
TCE Station West Side Site reinstatement (Zone W5)	104																														
TCE Station West Side Site reinstatement (Zone W6)	104																														
TCE Station West Side Site reinstatement (Zone W7)	104																														
TCE Station West Side Site reinstatement (Zone W8)	104																														
TCE Station West Side Removal of abandoned D/T																															
TCE Station West Side Removal of abandoned D/T (Zone W1)	98																														
TCE Station West Side Removal of abandoned D/T (Zone W2)	98																														
TCE Station West Side Removal of abandoned D/T (Zone W3)	98																														
TCE Station West Side Removal of abandoned D/T (Zone W4)	98																														
TCE Station West Side Removal of abandoned D/T (Zone W5)	98																														
TCE Station West Side Removal of abandoned D/T (Zone W6)	98																														
TCE Station West Side Removal of abandoned D/T (Zone W7)	98																														
TCE Station West Side Removal of abandoned D/T (Zone W8)	98																														

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2026												2027												2028											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TCE Station East Side Stationary Plants																																					
TCE Station East Side Stationary Plants (S1)	101																												101	101	101	101	101	101	101	101	101
TCE Station East Side Stationary Plants (S2)	99																												99	99	99	99	99	99	99	99	99
TCE Station West Side Stationary Plants																																					
TCE Station West Side Stationary Plants (S1)	97	97	97	97	97																																
TCE Station West Side Stationary Plants (S2)	99	99	99	99	99																																
Construction of Retaining Wall 240m Section and noise mitigation measures																																					
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W1)	102																																				
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W2)	102																																				
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W3)	102																																				
Retaining Wall Mini piles 80m opposite Ying Tung Estate																																					
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W1)	100																																				
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W2)	100																																				
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W3)	103																																				
Retaining Wall 240m Section and noise mitigation measures																																					
Retaining Wall 240m Section and noise mitigation measures (Zone W4)	103																																				
Retaining Wall 240m Section and noise mitigation measures (Zone W5)	103																																				
Retaining Wall 240m Section and noise mitigation measures (Zone W6)	103																																				
Retaining Wall 240m Section and noise mitigation measures (Zone W7)	103																																				
Retaining Wall 240m Section and noise mitigation measures (Zone W8)	103																																				
Retaining Wall Foundation 240m Section																																					
Retaining Wall Foundation 240m Section (Zone W4)	103																																				
Retaining Wall Foundation 240m Section (Zone W5)	100																																				
Retaining Wall Foundation 240m Section (Zone W6)	100																																				
Retaining Wall Foundation 240m Section (Zone W7)	100																																				
Retaining Wall Foundation 240m Section (Zone W8)	100																																				
TCE Station West Side Site Clearance / Site Formation																																					
TCE Station West Side Site Clearance / Site Formation (Zone W1)	107																																				
TCE Station West Side Site Clearance / Site Formation (Zone W2)	107																																				
TCE Station West Side Site Clearance / Site Formation (Zone W3)	118																																				
TCE Station West Side Site Clearance / Site Formation (Zone W4)	118																																				
TCE Station West Side Site Clearance / Site Formation (Zone W5)	113																																				
TCE Station West Side Site Clearance / Site Formation (Zone W6)	113																																				
TCE Station West Side Site Clearance / Site Formation (Zone W7)	113																																				
TCE Station West Side Site Clearance / Site Formation (Zone W8)	113																																				
TCE Station West Side Utilities, Road and Drainage Reinstatement																																					
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W1)	106																																				
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W2)	106																																				
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W3)	106																																				
TCE Station West Side Removal and Reprovison of Existing Noise Barrier																																					
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W1)	99	99	99	99	99																																
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W2)	99	99	99	99	99																																
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W3)	99	99	99	99	99																																
TCE Station West Side Site reinstatement																																					
TCE Station West Side Site reinstatement (Zone W1)	106																																				
TCE Station West Side Site reinstatement (Zone W2)	106																																				
TCE Station West Side Site reinstatement (Zone W3)	106																																				
TCE Station West Side Site reinstatement (Zone W4)	104																																				
TCE Station West Side Site reinstatement (Zone W5)	104																																				
TCE Station West Side Site reinstatement (Zone W6)	104																																				
TCE Station West Side Site reinstatement (Zone W7)	104																																				
TCE Station West Side Site reinstatement (Zone W8)	104																																				
TCE Station West Side Removal of abandoned D/T																																					
TCE Station West Side Removal of abandoned D/T (Zone W1)	98																																				
TCE Station West Side Removal of abandoned D/T (Zone W2)	98																																				
TCE Station West Side Removal of abandoned D/T (Zone W3)	98																																				
TCE Station West Side Removal of abandoned D/T (Zone W4)	98																																				
TCE Station West Side Removal of abandoned D/T (Zone W5)	98																																				
TCE Station West Side Removal of abandoned D/T (Zone W6)	98																																				
TCE Station West Side Removal of abandoned D/T (Zone W7)	98																																				
TCE Station West Side Removal of abandoned D/T (Zone W8)	98																																				

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2029												2030											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TCE Station East Side Stationary Plants																									
TCE Station East Side Stationary Plants (S1)	101										101	101	101	101	101	101	101	101	101	101	101	101	101	101	
TCE Station East Side Stationary Plants (S2)	99										99	99	99	99	99	99	99	99	99	99	99	99	99	99	
TCE Station West Side Stationary Plants																									
TCE Station West Side Stationary Plants (S1)	97										97	97	97	97	97	97	97	97	97	97	97	97	97	97	
TCE Station West Side Stationary Plants (S2)	99										99	99	99	99	99	99	99	99	99	99	99	99	99	99	
Construction of Retaining Wall 240m Section and noise mitigation measures																									
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W1)	102																								
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W2)	102																								
Construction of Retaining Wall 240m Section and noise mitigation measures (Zone W3)	102																								
Retaining Wall Mini piles 80m opposite Ying Tung Estate																									
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W1)	100																								
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W2)	100																								
Retaining Wall Mini piles 80m opposite Ying Tung Estate (Zone W3)	103																								
Retaining Wall 240m Section and noise mitigation measures																									
Retaining Wall 240m Section and noise mitigation measures (Zone W4)	103																								
Retaining Wall 240m Section and noise mitigation measures (Zone W5)	103																								
Retaining Wall 240m Section and noise mitigation measures (Zone W6)	103																								
Retaining Wall 240m Section and noise mitigation measures (Zone W7)	103																								
Retaining Wall 240m Section and noise mitigation measures (Zone W8)	103																								
Retaining Wall Foundation 240m Section																									
Retaining Wall Foundation 240m Section (Zone W4)	103																								
Retaining Wall Foundation 240m Section (Zone W5)	100																								
Retaining Wall Foundation 240m Section (Zone W6)	100																								
Retaining Wall Foundation 240m Section (Zone W7)	100																								
Retaining Wall Foundation 240m Section (Zone W8)	100																								
TCE Station West Side Site Clearance / Site Formation																									
TCE Station West Side Site Clearance / Site Formation (Zone W1)	107																								
TCE Station West Side Site Clearance / Site Formation (Zone W2)	107																								
TCE Station West Side Site Clearance / Site Formation (Zone W3)	118																								
TCE Station West Side Site Clearance / Site Formation (Zone W4)	118																								
TCE Station West Side Site Clearance / Site Formation (Zone W5)	113																								
TCE Station West Side Site Clearance / Site Formation (Zone W6)	113																								
TCE Station West Side Site Clearance / Site Formation (Zone W7)	113																								
TCE Station West Side Site Clearance / Site Formation (Zone W8)	113																								
TCE Station West Side Utilities, Road and Drainage Reinstatement																									
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W1)	106																								
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W2)	106																								
TCE Station West Side Utilities, Road and Drainage Reinstatement (Zone W3)	106																								
TCE Station West Side Removal and Reprovison of Existing Noise Barrier																									
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W1)	99																								
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W2)	99																								
TCE Station West Side Removal and Reprovison of Existing Noise Barrier (Zone W3)	99																								
TCE Station West Side Site reinstatement																									
TCE Station West Side Site reinstatement (Zone W1)	106										106	106	106	106	106	106	106	106	106	106	106	106	106	106	
TCE Station West Side Site reinstatement (Zone W2)	106										106	106	106	106	106	106	106	106	106	106	106	106	106	106	
TCE Station West Side Site reinstatement (Zone W3)	106										106	106	106	106	106	106	106	106	106	106	106	106	106	106	
TCE Station West Side Site reinstatement (Zone W4)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	
TCE Station West Side Site reinstatement (Zone W5)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	
TCE Station West Side Site reinstatement (Zone W6)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	
TCE Station West Side Site reinstatement (Zone W7)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	
TCE Station West Side Site reinstatement (Zone W8)	104										104	104	104	104	104	104	104	104	104	104	104	104	104	104	
TCE Station West Side Removal of abandoned D/T																									
TCE Station West Side Removal of abandoned D/T (Zone W1)	98										98	98	98	98											
TCE Station West Side Removal of abandoned D/T (Zone W2)	98										98	98	98	98											
TCE Station West Side Removal of abandoned D/T (Zone W3)	98										98	98	98	98											
TCE Station West Side Removal of abandoned D/T (Zone W4)	98										98	98	98	98											
TCE Station West Side Removal of abandoned D/T (Zone W5)	98										98	98	98	98											
TCE Station West Side Removal of abandoned D/T (Zone W6)	98										98	98	98	98											
TCE Station West Side Removal of abandoned D/T (Zone W7)	98										98	98	98	98											
TCE Station West Side Removal of abandoned D/T (Zone W8)	98										98	98	98	98											

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2023						2024												2025											
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TCE Station West Side Removal of abandoned U/T																															
TCE Station West Side Removal of abandoned U/T (Zone W1)	98																														
TCE Station West Side Removal of abandoned U/T (Zone W2)	98																														
TCE Station West Side Removal of abandoned U/T (Zone W3)	98																														
TCE Station West Side Removal of abandoned U/T (Zone W4)	98																														
TCE Station West Side Removal of abandoned U/T (Zone W5)	98																														
TCE Station West Side Removal of abandoned U/T (Zone W6)	98																														
TCE Station West Side Removal of abandoned U/T (Zone W7)	98																														
TCE Station West Side Removal of abandoned U/T (Zone W8)	98																														
TCE Station Area Stationary Plants																															
TCE Station Area Stationary Plants (S1)	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
TCE Station Area Stationary Plants (S2)	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
TCE Station Structure - Foundation																															
TCE Station Structure - Foundation (Zone A)	111			111	111	111	111	111	111	111	111	111	111	111	111																
TCE Station Structure - Foundation (Zone B)	111			111	111	111	111	111	111	111	111	111	111	111	111																
TCE Station Structure - Foundation (Zone C)	111			111	111	111	111	111	111	111	111	111	111	111	111	111	111														
TCE Station Site Clearance/Site Formation																															
TCE Station Site Clearance/Site Formation (Zone A)	113	113	113																												
TCE Station Site Clearance/Site Formation (Zone B)	113	113	113																												
TCE Station Site Clearance/Site Formation (Zone C)	110	110	110																												
TCE Station Link Bridge Foundation																															
TCE Station Link Bridge Foundation (Zone C)	111																111	111	111	111	111	111	111	111	111	111	111	111	111	111	
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances																															
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone A)	106														106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone B)	106																106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone C)	106																106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
TCE Station Site Reinstatement																															
TCE Station Site Reinstatement (Zone A)	111																														
TCE Station Site Reinstatement (Zone B)	111																														
TCE Station Site Reinstatement (Zone C)	111																														
TCE - Link Bridge Structure																															
TCE - Link Bridge Structure (Zone C)	107																														
TCE Station Removal of abandoned D/T																															
TCE Station Removal of abandoned D/T (Zone A)	98																														
TCE Station Removal of abandoned D/T (Zone B)	98																														
TCE Station Removal of abandoned D/T (Zone C)	98																														
TCE Station Removal of abandoned U/T																															
TCE Station Removal of abandoned U/T (Zone A)	98																														
TCE Station Removal of abandoned U/T (Zone B)	98																														
TCE Station Removal of abandoned U/T (Zone C)	98																														

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2026												2027												2028											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TCE Station West Side Removal of abandoned U/T																																					
TCE Station West Side Removal of abandoned U/T (Zone W1)	98																																				
TCE Station West Side Removal of abandoned U/T (Zone W2)	98																																				
TCE Station West Side Removal of abandoned U/T (Zone W3)	98																																				
TCE Station West Side Removal of abandoned U/T (Zone W4)	98																																				
TCE Station West Side Removal of abandoned U/T (Zone W5)	98																																				
TCE Station West Side Removal of abandoned U/T (Zone W6)	98																																				
TCE Station West Side Removal of abandoned U/T (Zone W7)	98																																				
TCE Station West Side Removal of abandoned U/T (Zone W8)	98																																				
TCE Station Area Stationary Plants																																					
TCE Station Area Stationary Plants (S1)	90	90	90										90	90	90	90	90	90	90	90	90	90	90	90	90	90											
TCE Station Area Stationary Plants (S2)	88	88	88										88	88	88	88	88	88	88	88	88	88	88	88	88	88											
TCE Station Structure - Foundation																																					
TCE Station Structure - Foundation (Zone A)	111																																				
TCE Station Structure - Foundation (Zone B)	111																																				
TCE Station Structure - Foundation (Zone C)	111																																				
TCE Station Site Clearance/Site Formation																																					
TCE Station Site Clearance/Site Formation (Zone A)	113																																				
TCE Station Site Clearance/Site Formation (Zone B)	113																																				
TCE Station Site Clearance/Site Formation (Zone C)	110																																				
TCE Station Link Bridge Foundation																																					
TCE Station Link Bridge Foundation (Zone C)	111																																				
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances																																					
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone A)	106																																				
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone B)	106	106	106																																		
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone C)	106	106	106																																		
TCE Station Site Reinstatement																																					
TCE Station Site Reinstatement (Zone A)	111																																				
TCE Station Site Reinstatement (Zone B)	111																																				
TCE Station Site Reinstatement (Zone C)	111																																				
TCE - Link Bridge Structure																																					
TCE - Link Bridge Structure (Zone C)	107												107	107	107	107	107	107	107	107	107	107	107	107	107	107											
TCE Station Removal of abandoned D/T																																					
TCE Station Removal of abandoned D/T (Zone A)	98																																				
TCE Station Removal of abandoned D/T (Zone B)	98																																				
TCE Station Removal of abandoned D/T (Zone C)	98																																				
TCE Station Removal of abandoned U/T																																					
TCE Station Removal of abandoned U/T (Zone A)	98																																				
TCE Station Removal of abandoned U/T (Zone B)	98																																				
TCE Station Removal of abandoned U/T (Zone C)	98																																				

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2029												2030											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
TCE Station West Side Removal of abandoned U/T																									
TCE Station West Side Removal of abandoned U/T (Zone W1)	98																		98	98	98	98	98	98	
TCE Station West Side Removal of abandoned U/T (Zone W2)	98																		98	98	98	98	98	98	
TCE Station West Side Removal of abandoned U/T (Zone W3)	98																		98	98	98	98	98	98	
TCE Station West Side Removal of abandoned U/T (Zone W4)	98																		98	98	98	98	98	98	
TCE Station West Side Removal of abandoned U/T (Zone W5)	98																		98	98	98	98	98	98	
TCE Station West Side Removal of abandoned U/T (Zone W6)	98																		98	98	98	98	98	98	
TCE Station West Side Removal of abandoned U/T (Zone W7)	98																		98	98	98	98	98	98	
TCE Station West Side Removal of abandoned U/T (Zone W8)	98																		98	98	98	98	98	98	
TCE Station Area Stationary Plants																									
TCE Station Area Stationary Plants (S1)	90										90	90	90	90	90	90	90	90	90	90	90	90	90	90	
TCE Station Area Stationary Plants (S2)	88										88	88	88	88	88	88	88	88	88	88	88	88	88	88	
TCE Station Structure - Foundation																									
TCE Station Structure - Foundation (Zone A)	111																								
TCE Station Structure - Foundation (Zone B)	111																								
TCE Station Structure - Foundation (Zone C)	111																								
TCE Station Site Clearance/Site Formation																									
TCE Station Site Clearance/Site Formation (Zone A)	113																								
TCE Station Site Clearance/Site Formation (Zone B)	113																								
TCE Station Site Clearance/Site Formation (Zone C)	110																								
TCE Station Link Bridge Foundation																									
TCE Station Link Bridge Foundation (Zone C)	111																								
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances																									
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone A)	106																								
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone B)	106																								
TCE Station Structure - Main Station Structure, Ancillary Buildings, Bridges, Entrances (Zone C)	106																								
TCE Station Site Reinstatement																									
TCE Station Site Reinstatement (Zone A)	111										111	111	111	111	111	111	111	111	111	111	111	111	111	111	
TCE Station Site Reinstatement (Zone B)	111										111	111	111	111	111	111	111	111	111	111	111	111	111	111	
TCE Station Site Reinstatement (Zone C)	111										111	111	111	111	111	111	111	111	111	111	111	111	111	111	
TCE - Link Bridge Structure																									
TCE - Link Bridge Structure (Zone C)	107																								
TCE Station Removal of abandoned D/T																									
TCE Station Removal of abandoned D/T (Zone A)	98										98	98	98	98											
TCE Station Removal of abandoned D/T (Zone B)	98										98	98	98	98											
TCE Station Removal of abandoned D/T (Zone C)	98										98	98	98	98											
TCE Station Removal of abandoned U/T																									
TCE Station Removal of abandoned U/T (Zone A)	98																		98	98	98	98	98	98	
TCE Station Removal of abandoned U/T (Zone B)	98																		98	98	98	98	98	98	
TCE Station Removal of abandoned U/T (Zone C)	98																		98	98	98	98	98	98	

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2023						2024												2025											
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Predicted Construction Noise, dB(A)																															
NSR	MAX																														
YTT-02f	74	73	73	74	74	74	74	74	74	74	74	74	64	64	62	61	61	60	60	60	60	65	65	65	65	65	60	60	60	60	59
EHYC-01a	50	48	48	49	49	49	49	49	49	50	49	49	44	44	38	38	42	42	42	42	42	48	48	48	48	48	42	42	42	42	42
LCNP-01	69	69	69	69	69	69	69	69	69	69	69	69	64	64	63	61	62	61	61	61	61	61	61	59	59	59	59	58	58	58	56
A100-02j	65																			60	60	62	62	62	62	62	60	60	60	60	58
A116-01c	63																														
A133a-01b	64																														
A113-01e	68																														
A113-12e	67																														

Note:
1. As a worst case scenario, the predicted construction noise is calculated using the distance between the notional centre of the workfront to the closest NSR.
2. Text in red in shaded cell denotes exceedance of relevant criterion.
3. Cell with shaded area denotes the unoccupancy of the NSR (i.e. before the population intake).

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2026												2027												2028											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Predicted Construction Noise, dB(A)																																					
NSR	MAX																																				
YTT-02f	74	59	59	58	58	0	0	0	0	0	0	0	48	48	48	48	48	48	48	48	48	48	48	48	48	48	0	0	0	0	0	0	0	0	0	0	0
EHYC-01a	50	42	42	42	42	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	0	0	0	0	0	0
LCNP-01	69	54	54	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	51	51	51	51	51	51	51	51	0	0	51	51	51	51	51	51	51	51	51
A100-02j	65	57	57	53	53	0	0	0	0	0	0	0	52	52	52	52	52	52	52	52	52	52	52	52	52	52	0	0	0	0	0	0	0	0	0	0	0
A116-01c	63																																				
A133a-01b	64																																				
A113-01e	68																								57	57	0	0	47	47	47	47	47	47	47	47	47
A113-12e	67																								57	57	0	0	54	54	54	54	54	54	54	54	54

Note:
1. As a worst case scenario, the predicted construction noise is calculated using the distance between
2. Text in red in shaded cell denotes exceedance of relevant criterion.
3. Cell with shaded area denotes the unoccupancy of the NSR (i.e. before the population intake).

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

		2029												2030											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Predicted Construction Noise, dB(A)																									
NSR	MAX																								
YTT-02f	74	0	0	0	0	0	0	0	0	0	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
EHYC-01a	50	0	0	0	0	0	0	0	0	0	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
LCNP-01	69	0	0	0	0	0	0	0	0	0	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
A100-02j	65	0	0	0	0	0	0	0	0	0	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
A116-01c	63												63	63	62	62	62	62	63	63	63	63	63	63	
A133a-01b	64																		64	64	64	64	64	64	
A113-01e	68	0	0	0	0	0	0	0	0	0	68	68	68	68	67	67	67	67	68	68	68	68	68	68	
A113-12e	67	0	0	0	0	0	0	0	0	0	67	67	67	67	67	67	67	67	67	67	67	67	67	67	

Note:
1. As a worst case scenario, the predicted construction noise is calculated using the distance between
2. Text in red in shaded cell denotes exceedance of relevant criterion.
3. Cell with shaded area denotes the unoccupancy of the NSR (i.e. before the population intake).

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2023						2024												2025											
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
TCE01																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																														
B2 - High PR Residential Foundations and High PR Residential Superstructure																														
B3 - High PR Residential Superstructure	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105													
TCE02																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																														
B2 - High PR Residential Foundations and High PR Residential Superstructure																														
B3 - High PR Residential Superstructure	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112													
TCE03																														
A1 - Silt Curtain																														
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations	106	106	106	106	106	106	106	106	106	106	106													106	106	106	106	106	106	106
B2 - High PR Residential Foundations and High PR Residential Superstructure												106	106	106	106	106	106													
B3 - High PR Residential Superstructure																		105	105	105	105	105	105	105	105	105	105	105	105	105
TCE04																														
A1 - Silt Curtain																														
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																								112	112	112	112	112	112	112
B2 - High PR Residential Foundations and High PR Residential Superstructure	113	113	113	113	113																									

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2026												2027												2028											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
TCE01																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations																																				
B2 - High PR Residential Foundations and High PR Residential Superstructure																																				
B3 - High PR Residential Superstructure																																				
TCE02																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations																																				
B2 - High PR Residential Foundations and High PR Residential Superstructure																																				
B3 - High PR Residential Superstructure																																				
TCE03																																				
A1 - Silt Curtain																																				
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations	106	106	106	106	106																															
B2 - High PR Residential Foundations and High PR Residential Superstructure						106	106	106	106	106	106																										
B3 - High PR Residential Superstructure	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105		
TCE04																																				
A1 - Silt Curtain																																				
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations	112	112.3	112.3	112.3	112																															
B2 - High PR Residential Foundations and High PR Residential Superstructure						113	113	113	113	113	113																										

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2029												2030											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
TCE01																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure																								
TCE02																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure																								
TCE03																								
A1 - Silt Curtain																								
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure																								
TCE04																								
A1 - Silt Curtain																								
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2023						2024												2025											
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
B3 - High PR Residential Superstructure						112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	
TCE05																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations												112	112	112	112	112	112	112	112	112	112	112	112							
B2 - High PR Residential Foundations and High PR Residential Superstructure																								113	113	113	113	113	113	
B3 - High PR Residential Superstructure																														112
TCE06																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																														
B2 - High PR Residential Foundations and High PR Residential Superstructure																														
B3 - High PR Residential Superstructure																														
TCE07																														
A1 - Silt Curtain																														
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																														
B2 - High PR Residential Foundations and High PR Residential Superstructure																														
B3 - High PR Residential Superstructure																														
TCE08																														
A1 - Silt Curtain																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2026												2027												2028											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
B3 - High PR Residential Superstructure												112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	
TCE05																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations						112	112	112	112	112	112	112	112	112	112	112	112																			
B2 - High PR Residential Foundations and High PR Residential Superstructure																		113	113	113	113	113	113													
B3 - High PR Residential Superstructure	112	112.3	112.3	112.3	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112.3	112.3	112.3	112	112	112	112	112	112	112	112
TCE06																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations						112	112	112	112	112	112	112	112	112	112	112	112																			
B2 - High PR Residential Foundations and High PR Residential Superstructure																		113	113	113	113	113	113													
B3 - High PR Residential Superstructure																								112	112	112	112	112	112	112	112	112	112	112	112	112
TCE07																																				
A1 - Silt Curtain																																				
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations						112	112	112	112	112	112	112	112	112	112	112	112																			
B2 - High PR Residential Foundations and High PR Residential Superstructure																		113	113	113	113	113	113													
B3 - High PR Residential Superstructure																								112	112	112	112	112	112	112	112	112	112	112	112	112
TCE08																																				
A1 - Silt Curtain																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2029												2030											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
B3 - High PR Residential Superstructure																								
TCE05																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure	112	112	112	112	112	112	112	112	112	112	112													
TCE06																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure	112	112	112	112	112	112	112	112	112	112	112													
TCE07																								
A1 - Silt Curtain																								
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure	112	112	112	112	112	112	112	112	112	112	112													
TCE08																								
A1 - Silt Curtain																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2023						2024												2025											
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A6 - Reclamation Filling (Underwater)																														
A2 - Stone Column and Seawall Construction																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																														
B2 - High PR Residential Foundations and High PR Residential Superstructure																														
B3 - High PR Residential Superstructure																														
TCE09																														
A1 - Silt Curtain																														
A2 - Stone Column and Seawall Construction																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
C1 - Medium PR Residential / GIC Foundations																														
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																														
C3 - Medium PR Residential/ GIC Superstructure																														
TCE10																														
A1 - Silt Curtain																														
A2 - Stone Column and Seawall Construction																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
C1 - Medium PR Residential / GIC Foundations																														
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																														
C3 - Medium PR Residential/ GIC Superstructure																														
TCE11																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2026												2027												2028											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A6 - Reclamation Filling (Underwater)																																				
A2 - Stone Column and Seawall Construction																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations												112	112	112	112	112	112	112	112	112	112	112	112														
B2 - High PR Residential Foundations and High PR Residential Superstructure																								113	113	113	113	113	113							
B3 - High PR Residential Superstructure																														112	112	112	112	112	112	112
TCE09																																				
A1 - Silt Curtain																																				
A2 - Stone Column and Seawall Construction																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
C1 - Medium PR Residential / GIC Foundations												115	115	115	115	115	115	115	115	115	115	115	115														
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																								115	115	115	115	115	115							
C3 - Medium PR Residential/ GIC Superstructure																														103	103	103	103	103	103	103
TCE10																																				
A1 - Silt Curtain																																				
A2 - Stone Column and Seawall Construction																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
C1 - Medium PR Residential / GIC Foundations												115	115	115	115	115	115	115	115	115	115	115	115														
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																								115	115	115	115	115	115							
C3 - Medium PR Residential/ GIC Superstructure																														106	106	106	106	106	106	106
TCE11																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2029												2030											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A6 - Reclamation Filling (Underwater)																								
A2 - Stone Column and Seawall Construction																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112							
TCE09																								
A1 - Silt Curtain																								
A2 - Stone Column and Seawall Construction																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
C1 - Medium PR Residential / GIC Foundations																								
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																								
C3 - Medium PR Residential/ GIC Superstructure	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103							
TCE10																								
A1 - Silt Curtain																								
A2 - Stone Column and Seawall Construction																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
C1 - Medium PR Residential / GIC Foundations																								
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																								
C3 - Medium PR Residential/ GIC Superstructure	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106							
TCE11																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2023						2024												2025											
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																														
B2 - High PR Residential Foundations and High PR Residential Superstructure																														
B3 - High PR Residential Superstructure																														
TCE12																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																														
B2 - High PR Residential Foundations and High PR Residential Superstructure																														
B3 - High PR Residential Superstructure																														
TCE13																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																														
B2 - High PR Residential Foundations and High PR Residential Superstructure																														
B3 - High PR Residential Superstructure																														
TCE14																														
A1 - Silt Curtain																														
A2 - Stone Column and Seawall Construction																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2026												2027												2028											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations												112	112	112	112	112	112	112	112	112	112	112	112													
B2 - High PR Residential Foundations and High PR Residential Superstructure																								113	113	113	113	113	113							
B3 - High PR Residential Superstructure																														112	112	112	112	112	112	112
TCE12																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations												112	112	112	112	112	112	112	112	112	112	112	112													
B2 - High PR Residential Foundations and High PR Residential Superstructure																								113	113	113	113	113	113							
B3 - High PR Residential Superstructure																														112	112	112	112	112	112	112
TCE13																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations																		112	112	112	112	112	112	112	112	112	112	112	112							
B2 - High PR Residential Foundations and High PR Residential Superstructure																														113	113	113	113	113	113	
B3 - High PR Residential Superstructure																																				112
TCE14																																				
A1 - Silt Curtain																																				
A2 - Stone Column and Seawall Construction																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2029												2030											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112							
TCE12																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112							
TCE13																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	
TCE14																								
A1 - Silt Curtain																								
A2 - Stone Column and Seawall Construction																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2023						2024												2025											
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
C1 - Medium PR Residential / GIC Foundations																														
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																														
C3 - Medium PR Residential/ GIC Superstructure																														
TCE15																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations																														
B2 - High PR Residential Foundations and High PR Residential Superstructure																														
B3 - High PR Residential Superstructure	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105													
TCE16																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
TCE17																														
A1 - Silt Curtain																														
A2 - Stone Column and Seawall Construction																														
A4 - Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
C1 - Medium PR Residential / GIC Foundations																														
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																														
C3 - Medium PR Residential/ GIC Superstructure																														
TCE18																														
A1 - Silt Curtain																														
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2026												2027												2028											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
C1 - Medium PR Residential / GIC Foundations																		115	115	115	115	115	115	115	115	115	115	115	115							
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																														115	115	115	115	115	115	
C3 - Medium PR Residential/ GIC Superstructure																																				106
TCE15																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations																																				
B2 - High PR Residential Foundations and High PR Residential Superstructure																																				
B3 - High PR Residential Superstructure																																				
TCE16																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
TCE17																																				
A1 - Silt Curtain																																				
A2 - Stone Column and Seawall Construction																																				
A4 - Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
C1 - Medium PR Residential / GIC Foundations												115	115	115	115	115	115	115	115	115	115	115	115	115													
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																								115	115	115	115	115	115							
C3 - Medium PR Residential/ GIC Superstructure																														103	103	103	103	103	103	103
TCE18																																				
A1 - Silt Curtain																																				
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2029												2030											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
C1 - Medium PR Residential / GIC Foundations																								
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																								
C3 - Medium PR Residential/ GIC Superstructure	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	
TCE15																								
A5 - Geotextile / Sand Blanket, Marine Band Drainge, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure																								
TCE16																								
A5 - Geotextile / Sand Blanket, Marine Band Drainge, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
TCE17																								
A1 - Silt Curtain																								
A2 - Stone Column and Seawall Construction																								
A4 - Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Drainge, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
C1 - Medium PR Residential / GIC Foundations																								
C2 - Medium PR Residential / GIC Foundations and Medium PR Residential / GIC Superstructure																								
C3 - Medium PR Residential/ GIC Superstructure	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103							
TCE18																								
A1 - Silt Curtain																								
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Drainge, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2023						2024												2025											
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
B1 - High PR Residential Foundations	106	106	106	106	106	106	106	106	106	106	106																			
B2 - High PR Residential Foundations and High PR Residential Superstructure												106	106	106	106	106	106													
B3 - High PR Residential Superstructure																		105	105	105	105	105	105	105	105	105	105	105	105	105
P1_01																														
A1 - Silt Curtain																														
A2 - Stone Column and Seawall Construction																														
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
C1 - Medium PR Residential / GIC Foundations																														
P1_02																														
A1 - Silt Curtain																														
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																														
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																														
A6 - Reclamation Filling (Underwater)																														
A7 - Reclamation Filling and Surcharging (Above water)																														
A8 - Surcharge																														
C1 - Medium PR Residential / GIC Foundations																														
Int01													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int02													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int03	100	100	100	100	100	100																								
Int04	100	100	100	100	100	100																								
Int05	100	100	100	100	100	100																								
Int06	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100												
Int07	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100												
Int08	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100												
Int09	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100												
Int10	100	100	100	100	100	100																								
Int11													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2026												2027												2028											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
B1 - High PR Residential Foundations																																				
B2 - High PR Residential Foundations and High PR Residential Superstructure																																				
B3 - High PR Residential Superstructure	105	105	105	105	105	105	105	105	105	105	105																									
P1_01																																				
A1 - Silt Curtain																																				
A2 - Stone Column and Seawall Construction																																				
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
C1 - Medium PR Residential / GIC Foundations																																				
P1_02																																				
A1 - Silt Curtain																																				
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																																				
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																																				
A6 - Reclamation Filling (Underwater)																																				
A7 - Reclamation Filling and Surcharging (Above water)																																				
A8 - Surcharge																																				
C1 - Medium PR Residential / GIC Foundations																																				
Int01																																				
Int02																																				
Int03																																				
Int04																																				
Int05																																				
Int06																																				
Int07																																				
Int08																																				
Int09																																				
Int10																																				
Int11																																				

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2029												2030											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
B1 - High PR Residential Foundations																								
B2 - High PR Residential Foundations and High PR Residential Superstructure																								
B3 - High PR Residential Superstructure																								
P1_01																								
A1 - Silt Curtain																								
A2 - Stone Column and Seawall Construction																								
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
C1 - Medium PR Residential / GIC Foundations																								
P1_02																								
A1 - Silt Curtain																								
A3 - Stone Column, Seawall Construction, Geotextile / Sand Blanket, Marine Band Drains																								
A5 - Geotextile / Sand Blanket, Marine Band Draings, Under Water Reclamation Filling																								
A6 - Reclamation Filling (Underwater)																								
A7 - Reclamation Filling and Surcharging (Above water)																								
A8 - Surcharge																								
C1 - Medium PR Residential / GIC Foundations																								
Int01																								
Int02																								
Int03																								
Int04																								
Int05																								
Int06																								
Int07																								
Int08																								
Int09																								
Int10																								
Int11																								

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2023						2024												2025											
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Int12													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int13													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int14													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int15																														
Int16													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int17													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int18													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int19																														
Int20													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int21													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int22													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int23																														
Int24																														
Int25																														
Int26													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int27													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int28																														
Int29																														
Int30													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int31													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int32													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int33													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int34																														
Int35																														
Int36													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int37													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int38													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Int39													100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SRM01	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2026												2027												2028											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Int12																																				
Int13																																				
Int14																																				
Int15																																				
Int16																																				
Int17																																				
Int18																																				
Int19																																				
Int20																																				
Int21																																				
Int22																																				
Int23																														100	100	100	100	100	100
Int24																														100	100	100	100	100	100
Int25																														100	100	100	100	100	100
Int26																																				
Int27																																				
Int28																														100	100	100	100	100	100
Int29																														100	100	100	100	100	100
Int30																																				
Int31																																				
Int32																																				
Int33																																				
Int34																																				
Int35																																				
Int36																																				
Int37																																				
Int38																																				
Int39																																				
SRM01																																				

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities	2029												2030											
	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Int12																								
Int13																								
Int14																								
Int15																								
Int16																								
Int17																								
Int18																								
Int19																								
Int20																								
Int21																								
Int22																								
Int23	100	100	100	100	100	100	100	100	100	100	100	100												
Int24	100	100	100	100	100	100	100	100	100	100	100	100												
Int25	100	100	100	100	100	100	100	100	100	100	100	100												
Int26																								
Int27																								
Int28	100	100	100	100	100	100	100	100	100	100	100	100												
Int29	100	100	100	100	100	100	100	100	100	100	100	100												
Int30																								
Int31																								
Int32																								
Int33																								
Int34																								
Int35																								
Int36																								
Int37																								
Int38																								
Int39																								
SRM01																								

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities		2023						2024												2025											
		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Predicted Construction Noise for TCNTE / Additional Sewerage Rising Main, dB(A)																															
	Max																														
YTT-02f	71	71	71	71	71	71	71	70	70	70	70	70	70	71	71	71	71	71	60	60	60	60	60	60	60	60	60	60	60	60	60
EHYC-01a	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	52	51	51	51	51	51	53	53	53	53	53	53	53
LCNP-01	62	53	53	53	53	53	53	53	53	53	53	53	57	58	58	58	58	58	56	56	56	56	56	56	57	57	57	57	57	57	56
A100-02j	71																			68	68	68	68	68	69	69	69	69	69	69	68
A116-01c	57																														
A133a-01b	66																														
A113-01e	62																														
A113-12e	0																														

Note:

1. As a worst case scenario, the predicted construction noise is calculated using the distance between the notional centre of the workfront to the closest NSR.
2. Text in red in shaded cell denotes exceedance of relevant criterion.
3. Cell with shaded area denotes the unoccupancy of the NSR (i.e. before the population intake).
4. The plant inventory for constructions of TCNTE and additional sewerage rising main is retrieved from approved EIA report for TCNTE (AEIAR-196/2016).

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities		2026												2027												2028											
		Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Predicted Construction Noise for TCNTE / Additional Sewerage Rising Main, dB(A)																																					
	Max																																				
YTT-02f	71	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	0	0	0	0	0	0	0	0	0	0
EHYC-01a	56	53	53	53	53	53	53	53	53	53	53	53	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	0
LCNP-01	62	55	55	55	55	55	60	60	60	60	60	60	60	60	60	60	60	60	62	62	62	62	62	62	60	60	60	60	60	60	60	60	60	60	60	60	60
A100-02j	71	68	68	68	68	68	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	68	68	68	68	68	68	68	68	68	68	68	68	68
A116-01c	57																																				
A133a-01b	66																																				
A113-01e	62																								61	61	61	61	61	61	62	62	62	62	62	62	61
A113-12e	0																								0	0	0	0	0	0	0	0	0	0	0	0	0

Note:

1. As a worst case scenario, the predicted construction noise is calculated using the distance between the notional centre of the workfront to the closest NSR.
2. Text in red in shaded cell denotes exceedance of relevant criterion.
3. Cell with shaded area denotes the unoccupancy of the NSR (i.e. before the population intake).
4. The plant inventory for constructions of TCNTE and additional sewerage rising main is retrieved from approved EIA report for TCNTE (AEIAR-196/2016).

Title : Construction Noise Calculation for TNCTE and Additional Sewerage Rising Main

Scenario : Mitigated Scenario

Activities		2029												2030											
		Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Predicted Construction Noise for TCNTE / Additional Sewerage Rising Main, dB(A)																									
	Max																								
YTT-02f	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EHYC-01a	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LCNP-01	62	60	60	60	60	60	60	60	60	60	60	60	54	54	54	54	54	54	54	54	54	54	54	54	0
A100-02j	71	68	68	68	68	68	68	68	68	68	68	68	0	0	0	0	0	0	0	0	0	0	0	0	0
A116-01c	57												57	56	56	56	56	56	56	56	56	56	56	56	0
A133a-01b	66																		66	66	66	66	66	66	0
A113-01e	62	61	61	61	61	61	61	61	61	61	61	61	56	56	56	56	56	56	54	54	54	54	54	54	0
A113-12e	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

Note:

1. As a worst case scenario, the predicted construction noise is calculated using the distance between the notional centre of the workfront to the closest NSR.
2. Text in red in shaded cell denotes exceedance of relevant criterion.
3. Cell with shaded area denotes the unoccupancy of the NSR (i.e. before the population intake).
4. The plant inventory for constructions of TCNTE and additional sewerage rising main is retrieved from approved EIA report for TCNTE (AEIAR-196/2016).

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

Predicted Construction Noise from Project, dB(A)

		2023						2024												2025											
NSR	MAX	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
YTT-02f	74	73	73	74	74	74	74	74	74	74	74	74	64	64	62	61	61	60	60	60	60	65	65	65	65	65	60	60	60	60	59
EHYC-01a	50	48	48	49	49	49	49	49	49	50	49	49	44	44	38	38	42	42	42	42	42	48	48	48	48	48	42	42	42	42	42
LCNP-01	69	69	69	69	69	69	69	69	69	69	69	69	64	64	63	61	62	61	61	61	61	61	59	59	59	59	58	58	58	58	56
A100-02j	65																			60	60	62	62	62	62	62	60	60	60	60	58
A116-01c	63																														
A133a-01b	64																														
A113-01e	68																														
A113-12e	67																														

Predicted Construction Noise from TCNTE / Additional Sewerage Rising Main [4], dB(A)

NSR	MAX																														
YTT-02f	71	71	71	71	71	71	71	70	70	70	70	70	70	71	71	71	71	71	60	60	60	60	60	60	60	60	60	60	60	60	60
EHYC-01a	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	52	51	51	51	51	51	53	53	53	53	53	53	53
LCNP-01	62	53	53	53	53	53	53	53	53	53	53	53	57	58	58	58	58	58	56	56	56	56	56	56	57	57	57	57	57	57	56
A100-02j	71																			68	68	68	68	68	69	69	69	69	69	69	68
A116-01c	57																														
A133a-01b	66																														
A113-01e	62																														
A113-12e	0																														

Predicted Cumulative Construction Noise, dB(A)

NSR	MAX																														
YTT-02f	75	75	75	75	75	75	75	75	75	75	75	75	71	72	71	71	71	71	63	63	63	66	66	66	66	66	63	63	63	63	63
EHYC-01a	57	57	57	57	57	57	57	57	57	57	57	57	56	56	56	56	56	56	52	51	51	52	52	52	54	54	53	53	53	53	53
LCNP-01	69	69	69	69	69	69	69	69	69	69	69	69	65	65	65	63	64	63	63	63	63	63	61	61	61	61	61	61	61	61	59
A100-02j	71																			69	69	69	69	69	70	70	70	70	70	70	69
A116-01c	64																														
A133a-01b	68																														
A113-01e	69																														
A113-12e	67																														

Note:
1. As a worst case scenario, the predicted construction noise is calculated using the distance between the notional centre of the workfront to the closest NSR.
2. Text in red in shaded cell denotes exceedance of relevant criterion.
3. Cell with shaded area denotes the unoccupancy of the NSR (i.e. before the population intake).
4. The plant inventory for constructions of TCNTE and additional sewerage rising main is retrieved from approved EIA report for TCNTE (AEIAR-196/2016).

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

Predicted Construction Noise from Project, dB(A)

		2026												2027												2028											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NSR	MAX																																				
YTT-02f	74	59	59	58	58	0	0	0	0	0	0	0	48	48	48	48	48	48	48	48	48	48	48	48	48	48	0	0	0	0	0	0	0	0	0	0	0
EHYC-01a	50	42	42	42	42	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	0	0	0	0	0	0
LCNP-01	69	54	54	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	51	51	51	51	51	51	51	51	0	0	51	51	51	51	51	51	51	51	51
A100-02j	65	57	57	53	53	0	0	0	0	0	0	0	52	52	52	52	52	52	52	52	52	52	52	52	52	52	0	0	0	0	0	0	0	0	0	0	0
A116-01c	63																																				
A133a-01b	64																																				
A113-01e	68																								57	57	57	0	0	47	47	47	47	47	47	47	47	47
A113-12e	67																								57	57	57	0	0	54	54	54	54	54	54	54	54	54

Predicted Construction Noise from TCNTE / Additional Sewerage Rising Main [4], dB(A)

		2026												2027												2028											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NSR	MAX																																				
YTT-02f	71	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	0	0	0	0	0	0	0	0	0	0
EHYC-01a	56	53	53	53	53	53	53	53	53	53	53	53	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	0
LCNP-01	62	55	55	55	55	55	60	60	60	60	60	60	60	60	60	60	60	60	62	62	62	62	62	62	60	60	60	60	60	60	60	60	60	60	60	60	60
A100-02j	71	68	68	68	68	68	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	68	68	68	68	68	68	68	68	68	68	68	68	68
A116-01c	57																																				
A133a-01b	66																																				
A113-01e	62																								61	61	61	61	61	61	62	62	62	62	62	62	61
A113-12e	0																								0	0	0	0	0	0	0	0	0	0	0	0	0

Predicted Cumulative Construction Noise, dB(A)

		2026												2027												2028											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NSR	MAX																																				
YTT-02f	75	59	59	58	58	0	0	0	0	0	0	0	48	48	48	48	48	48	48	48	48	48	48	48	48	48	0	0	0	0	0	0	0	0	0	0	0
EHYC-01a	57	53	53	53	53	53	53	53	53	53	53	53	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	0
LCNP-01	69	58	58	55	55	55	60	60	60	60	60	60	60	60	60	60	60	60	62	62	62	62	62	62	60	60	60	60	60	60	61	61	61	61	61	61	60
A100-02j	71	68	68	68	68	68	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	68	68	68	68	68	68	68	68	68	68	68	68	68
A116-01c	64																																				
A133a-01b	68																																				
A113-01e	69																								63	63	61	61	62	62	62	62	62	62	62	62	61
A113-12e	67																								57	57	0	0	54	54	54	54	54	54	54	54	54

Note:
1. As a worst case scenario, the predicted construction noise is calculated using the distance between the notional centre of the workfront to the closest NSR.
2. Text in red in shaded cell denotes exceedance of relevant criterion.
3. Cell with shaded area denotes the unoccupancy of the NSR (i.e. before the population intake).
4. The plant inventory for constructions of TCNTE and additional sewerage rising main is retrieved from approved EIA report for TCNTE (AEIAR-196/2016).

Project : Environmental Consultancy No. C1202 EIA Study for Tung Chung Line Extension
Title : Construction Noise Calculation
Scenario : Mitigated Scenario for Tung Chung East

Predicted Construction Noise from Project, dB(A)

		2029												2030											
NSR	MAX	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
YTT-02f	74	0	0	0	0	0	0	0	0	0	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
EHYC-01a	50	0	0	0	0	0	0	0	0	0	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
LCNP-01	69	0	0	0	0	0	0	0	0	0	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
A100-02j	65	0	0	0	0	0	0	0	0	0	65	65	65	65	65	65	65	65	65	65	65	65	65	65	
A116-01c	63												63	63	62	62	62	62	63	63	63	63	63	63	
A133a-01b	64																		64	64	64	64	64	64	
A113-01e	68	0	0	0	0	0	0	0	0	0	68	68	68	68	67	67	67	67	68	68	68	68	68	68	
A113-12e	67	0	0	0	0	0	0	0	0	0	67	67	67	67	67	67	67	67	67	67	67	67	67	67	

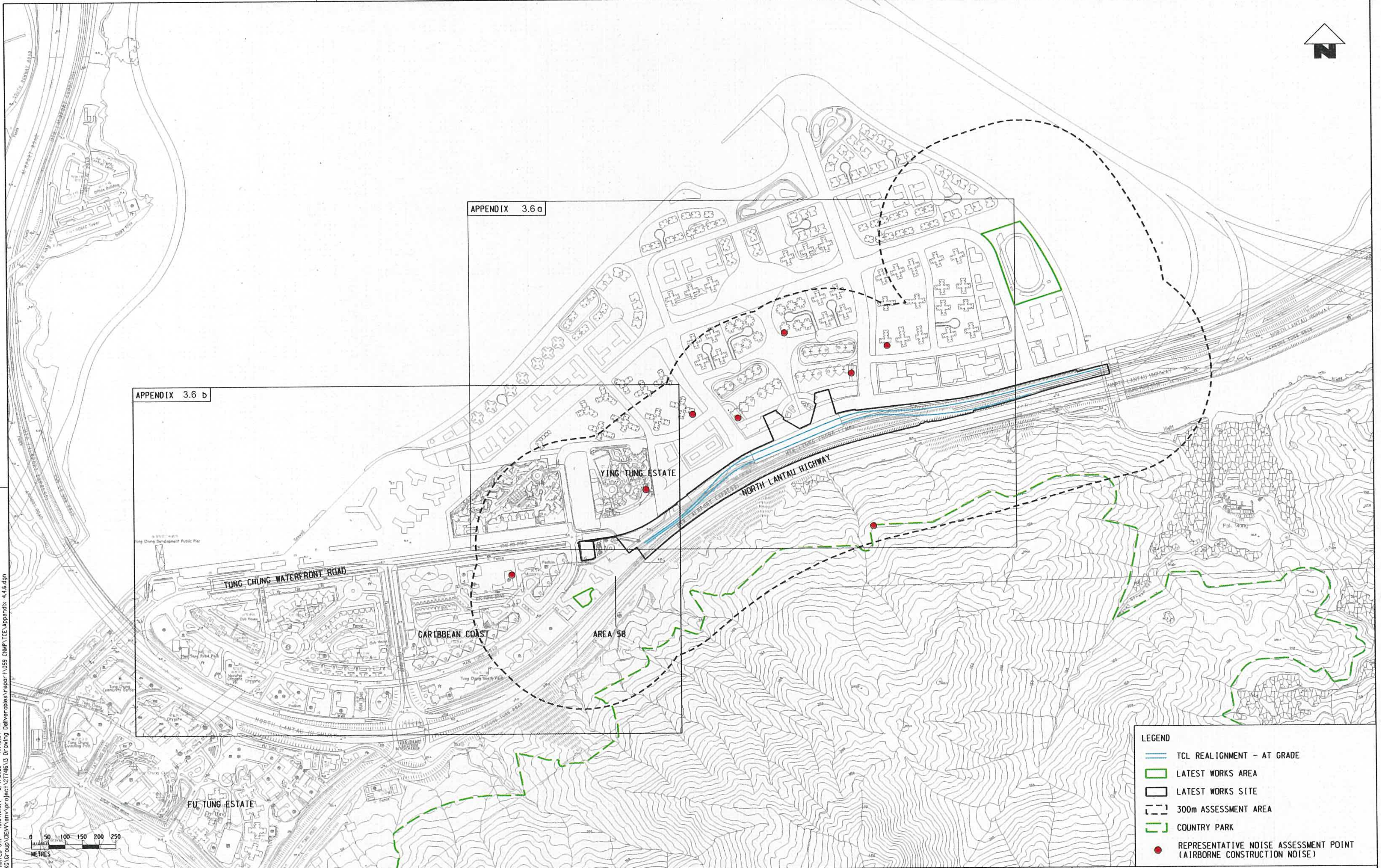
Predicted Construction Noise from TCNTE / Additional Sewerage Rising Main [4], dB(A)

NSR	MAX																								
YTT-02f	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EHYC-01a	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LCNP-01	62	60	60	60	60	60	60	60	60	60	60	60	54	54	54	54	54	54	54	54	54	54	54	54	
A100-02j	71	68	68	68	68	68	68	68	68	68	68	68	0	0	0	0	0	0	0	0	0	0	0	0	
A116-01c	57												57	56	56	56	56	56	56	56	56	56	56	56	
A133a-01b	66																		66	66	66	66	66	66	
A113-01e	62	61	61	61	61	61	61	61	61	61	61	61	56	56	56	56	56	56	54	54	54	54	54	54	
A113-12e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Predicted Cumulative Construction Noise, dB(A)

NSR	MAX																								
YTT-02f	75	0	0	0	0	0	0	0	0	0	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
EHYC-01a	57	0	0	0	0	0	0	0	0	0	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
LCNP-01	69	60	60	60	60	60	60	60	60	60	65	65	64	64	63	63	63	63	64	64	64	64	64	64	
A100-02j	71	68	68	68	68	68	68	68	68	68	70	70	65	65	65	65	65	65	65	65	65	65	65	65	
A116-01c	64												64	64	63	63	63	63	64	64	64	64	64	64	
A133a-01b	68																		68	68	68	68	68	68	
A113-01e	69	61	61	61	61	61	61	61	61	61	69	69	68	68	68	68	68	68	68	68	68	68	68	68	
A113-12e	67	0	0	0	0	0	0	0	0	0	67	67	67	67	67	67	67	67	67	67	67	67	67	67	

Note:
1. As a worst case scenario, the predicted construction noise is calculated using the distance between the notional centre of the workfront to the closest NSR.
2. Text in red in shaded cell denotes exceedance of relevant criterion.
3. Cell with shaded area denotes the unoccupancy of the NSR (i.e. before the population intake).
4. The plant inventory for constructions of TCNTE and additional sewerage rising main is retrieved from approved EIA report for TCNTE (AEIAR-196/2016).



DRAWN	GL
DESIGNED	GL
CHECKED	EL
APPROVED	FC
DATE	07/02/2023

REV	DESCRIPTION	BY	DATE	APPROVED
A	FIRST ISSUE	GL	070223	FC

MTR

C1202 – EIA for Tung Chung Line Extension

ORIGINATOR

ARUP Ove Arup & Partners Hong Kong Limited

CADD REF. Appendix 4.4.6.dgn

TITLE

PREDICTED NOISE LEVELS OF REPRESENTATIVE NOISE ASSESSMENT POINTS (AIRBORNE CONSTRUCTION NOISE)

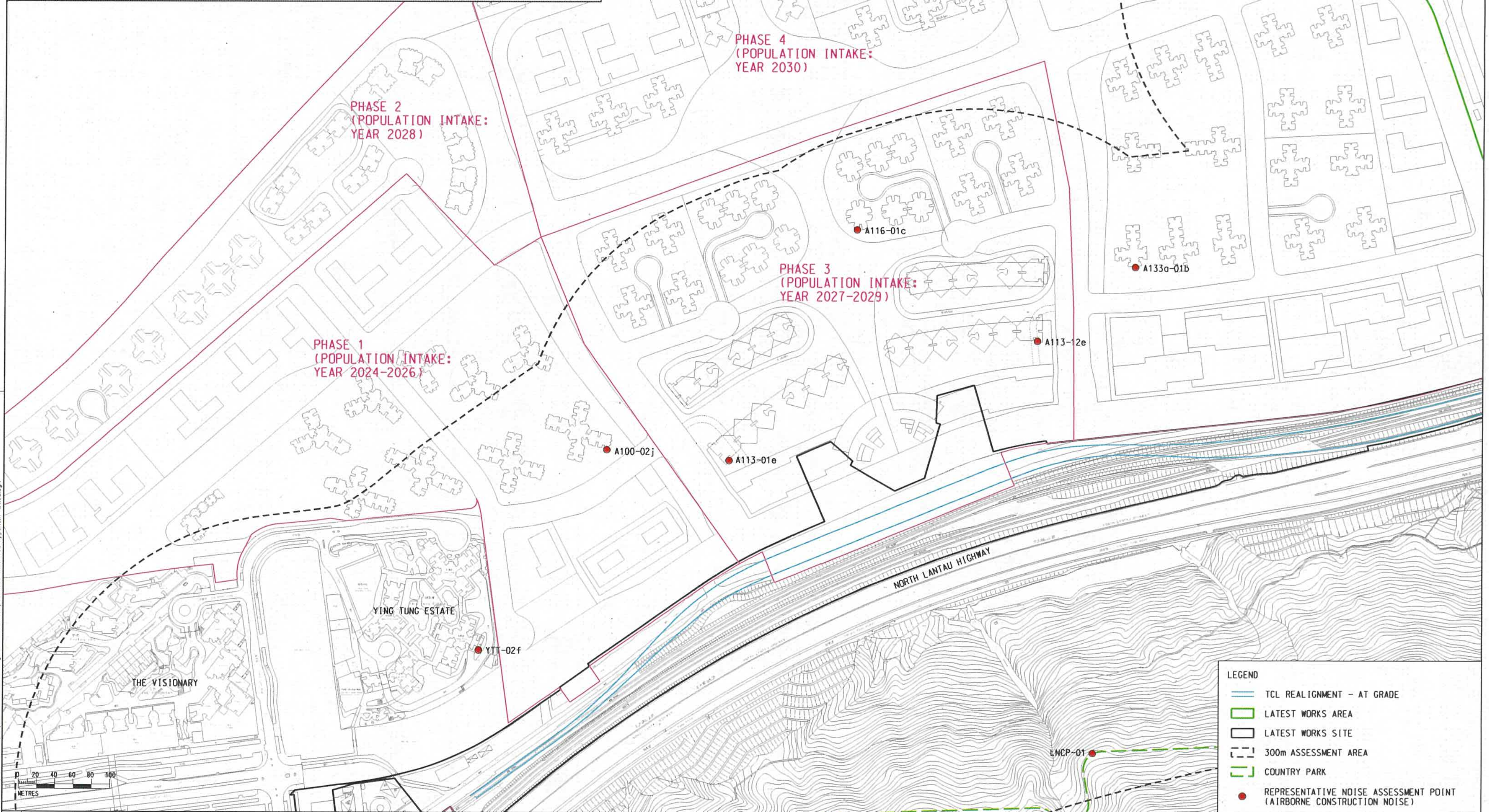
SCALE 1:10000 (A3)

DRAWING NO. APPENDIX 3.6

REV. A

PLOT DRV: g:\common\microstation standard\plotdrv\hp_arupkh_a3-pdf-c_env.plt
MODELNAME: Default PRINTED BY: HKGTRA014 2/7/2023 10:42:24 AM
FILENAME: \\global\EastAsia\HKG\Group\CIENV\env\project\277416\13 Drawing Deliverables\report\059 CNMP\TCE\Appendix 4.4.6.dgn

NSR	NAP	Max. Predicted Cumulative Airborne Construction Noise Level, dB(A)
Ying Tung Estate	YTT-02f	75
Lantau North (Extension) Country Park	LNCP-01	69
Residential Premises in Tung Chung East	A100-02j	71
	A116-01c	64
	A133a-01b	68
Tung Chung Area 113	A113-01e	69
	A113-12e	67



DRAWN	GL
DESIGNED	GL
CHECKED	EL
APPROVED	FC
DATE	07/02/2023

REV	DESCRIPTION	BY	DATE	APPROVED
A	FIRST ISSUE	GL	070223	FC

DO NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE VERIFIED ON SITE. © MTR CORPORATION LIMITED 2009 COPYRIGHT IN RESPECT OF THIS DRAWING / DOCUMENT IS OWNED BY THE MTR CORPORATION LIMITED OF HONG KONG. NO REPRODUCTION OF THE DRAWING / DOCUMENT OR ANY PART BY WHATEVER MEANS IS PERMITTED WITHOUT THE PRIOR WRITTEN CONSENT OF THE MTR CORPORATION LIMITED.

MTR

C1202 - EIA for Tung Chung Line Extension

ORIGINATOR: ARUP Ove Arup & Partners Hong Kong Limited

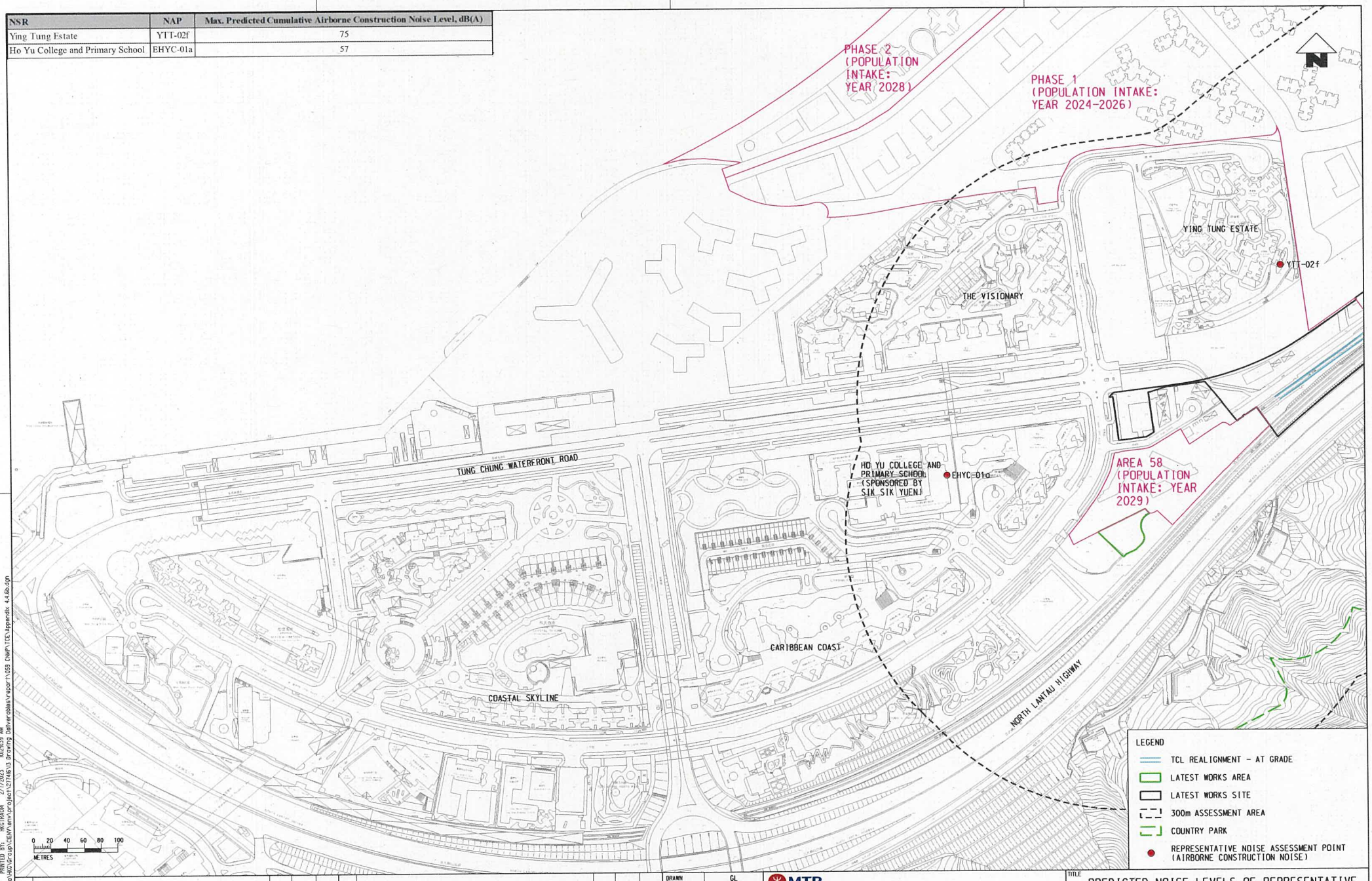
CADD REF. Appendix 4.4.6a.dgn

TITLE: PREDICTED NOISE LEVELS OF REPRESENTATIVE NOISE ASSESSMENT POINTS (AIRBORNE CONSTRUCTION NOISE)

SCALE 1 : 4000 (A3) | DRAWING NO. APPENDIX 3.6a | REV. A

PLOT DRV: g:\common\microstation standard\plotdrv\hp_arupkk_a3-pdf-c_env.plt
MODELNAME: Default PRINTED BY: HKOTRADM 2/7/2023 10:16:47 AM
FILENAME: \\global\EastAsia\HKG\Group\CENV\env\project\277415\13 Drawing Deliverables\report\059 CNMP\TCE\Appendix 4.4.6a.dgn

NSR	NAP	Max. Predicted Cumulative Airborne Construction Noise Level, dB(A)
Ying Tung Estate	YTT-02f	75
Ho Yu College and Primary School	EHYC-01a	57



PLOT DRV: g:\common\microstation_standards\plotdrv\hp_druphk_d3-pdf-c.env.olf
MODELNAME: PRINTED BY: HKGTRA04 2/7/2023 02:29:39 AM
Default
FILENAME: \\global\East\Asia\HKG\Group\CENV\env\project\C27461J Drawing Deliverables\report\059 CNMP.TCE\Appendix 4.4.6b.dgn

REV	DESCRIPTION	BY	DATE	APPROVED
A	FIRST ISSUE	GL	070223	FC

DRAWN	GL
DESIGNED	GL
CHECKED	EL
APPROVED	FC
DATE	07/02/2023

MTR

C1202 – EIA for Tung Chung Line Extension

ORIGINATOR
ARUP Ove Arup & Partners Hong Kong Limited

CADD REF. Appendix 4.4.6b.dgn

TITLE
PREDICTED NOISE LEVELS OF REPRESENTATIVE NOISE ASSESSMENT POINTS (AIRBORNE CONSTRUCTION NOISE)

SCALE 1 : 4000 (A3)

DRAWING NO. APPENDIX 3.6 b

REV. A

Appendix 3.7

Implementation Schedule of Noise Mitigation Measures

Noise Mitigation Implementation Schedule
Tung Chung Line Extension

CNMP Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Phase
Construction Noise						
S3.5.2	N1	Good site practice and noise management techniques could considerably reduce the noise impact from construction site activities on nearby NSRs. The following measures practised during each phase of construction: • only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; • machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; • silencers or mufflers which available on construction equipment should be properly fitted and maintained during the construction works; • spoil transportation routes should be directed away from NSRs as far as practicable; • mobile plant should be sited as far away from NSRs as possible and practicable; • material stockpiles, site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities; and • noise monitoring at selected NSRs should be conducted as far as possible.	Control construction airborne noise	Contractor	All construction sites (Tung Chung East Station and realignment works)	Construction phase
S3.5.3	N2	Use of quiet plant which should be made reference to the Powered Mechanical Equipment (PME) listed in the Technical Memorandum or the Quality Powered Mechanical Equipment (QPME) / other commonly used PME listed in Environmental Protection Department (EPD) web pages as far as possible which	Reduce the noise levels from plant items	Contractor	All construction sites (Tung Chung East Station and realignment works) where practicable	Construction phase

Noise Mitigation Implementation Schedule
Tung Chung Line Extension

CNMP Ref.	EM&A Log Ref	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Phase
		includes the Sound Power Level (SWLs) for specific quiet PME (e.g. EPD-09607, EPD-13019)				
S3.5.4	N3	Install movable temporary noise barriers (typical design is wooden framed barrier with a small-cantilevered upper portion of superficial density no less than 7kg/m^2 on a skid footing with 25mm thick internal sound absorptive lining) screen the noisy plants including concrete pump etc.	Minimise the construction noise levels through screening	Contractor	All construction sites (Tung Chung East Station and realignment works)	Construction phase
S3.5.2.1	N6	Implement an airborne construction noise monitoring under EM&A programme.	Monitor the airborne construction noise levels at the selected representative locations	Contractor	Selected noise monitoring stations [1]	Construction phase

Note:
[1] Refer to Figure 5.1 of EM&A Manual of the approved EIA for Tung Chung Line Extension (AEIAR-235/2022).