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Report No.: 0064/18/ED/0392A

MONTHLY EM&A REPORT

November 2019

		Civil Engineering and Development Department, HKSAR
Contract No.	:	NDO 03/2018
Contract Name :		Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)
Report No.	:	0064/18/ED/0392A

Prepared by 2 **Rex Chow**

Reviewed by :

Certified by

Cyrus Lai

2

yort

David Hung Environmental Team Leader **Fugro Technical Services Limited**

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A Fugro Group Company



Acuity Sustainability Consulting Limited – Nature & Technologies (HK) Limited Joint Venture



Our ref: ASCL-2018010

Unit 1501, Level 15, Tower I, Metroplaza, 223 Hing Fong Road, Kwai Fong, N.T., Hong Kong.

Attention: Miss FUNG Cannifer

13 December 2019

Dear Miss Fung,

NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section) Monthly EM&A Report for November 2019

I refer to the email of the ET dated 13 December 2019 regarding to the captioned Monthly EM&A Report with report No. 0064/18/ED/0392A, we have no adverse comment on it and verify this monthly report according to section 1.9 of the Environmental Permit with Permit No. EP-463/2013/B

Yours faithfully,

Ri

Li Wai Ming Kevin Independent Environmental Checker

cc. CRE – Mr. YU Albert (by email only: albert.yu@aecom.com) CEDD – Mr YAN Joseph (by email only: jkcyan@cedd.gov.hk)



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Date 13 December 2019 Our Ref. MCL/ED/0611/2019/C

The EIA Ordinance Register Office Environmental Protection Department 27/F, Southorn Centre, 130 Hennessy Road, Wan Chai, Hong Kong Attn: Ms. LAU Yee Ching, Eva

BY HAND & E-MAIL

Dear Ms. Lau,

Contract No. NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

Environmental Permit: EP-463/2013B Submission of Monthly EM&A Report (0064/18/ED/0392A)

Pursuant to EP-463/2013/B Condition 3.4, we hereby submit three hardcopies and two e-copy of the monthly EM&A Report (0064/18/ED/0392A) for your retention. This monthly EM&A Report has been certified by ETL and verified by IEC accordingly.

Thank you for your attention, should there be any comments or queries, please contact our Environmental Team Leader David Hung at 3565-4371.

Yours faithfully, for and on behalf of FUGRO TECHNICAL SERVICES LIMITED

David Hung Environmental Team Leader

c.c. CEDD Attn: Mr. Joseph Yan / Ms. Cannifer Fung (by E-mail) AECOM Attn: Mr. Albert Yu / Mr. Bobby Hung / Mr. Andrew Cheng / Ms. Kate Chen / Ms. Catherine Tam (by E-mail) IEC Attn: Mr. Kevin Li / Mr. Tandy Tse (by E-mail) CCZJV Attn: Mr. Chung Sing Chu / Ms. Kimberly Wong / Mr. Alvin Chan (by E-mail)

Encl.









TABLE OF CONTENTS

EXE(CUTIVE SUMMARY	I
1.	INTRODUCTION	1
2.	AIR QUALITY	5
3.	NOISE	9
4.	LANDSCAPE AND VISUAL	15
5.	WASTE MANAGEMENT	16
6.	SITE INSPECTION	17
7.	ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE	18
8.	IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES	19
9.	FUTURE KEY ISSUES	20
10.	CONCLUSIONS	21

FIGURES

Figure 1	Project General Layout
Figure 2a	Air Monitoring Locations

Figure 2b Noise Monitoring Locations

LIST OF APPENDICES

Appendix A	Construction Programme
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- Appendix B Project Organization Chart
- Appendix C Action and Limit Levels for Air Quality and Noise
- Appendix D Calibration Certificates of Monitoring Equipment
- Appendix E Environmental Monitoring Schedules and Examination Schedules
- Appendix F Air Quality Monitoring Data
- Appendix G Noise Monitoring Data
- Appendix H Event Action Plans
- Appendix I Waste Flow Table
- Appendix J Environmental Mitigation Implementation Schedule (EMIS)
- Appendix K Weather and Meteorological Conditions during Reporting Month
- Appendix L Cumulative statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions
- Appendix M Summary of Site Audit in the Reporting Month



EXECUTIVE SUMMARY

- i. The Civil Engineering and Development Department HKSAR has appointed Fugro Technical Services Limited (FTS) to undertake the Environmental Team services for the Project and implement the EM&A works.
- ii. This Monthly EM&A report presents the environmental monitoring and audit works for the period between 1 November 2019 and 30 November 2019. As informed by the Contractor, major activities in the reporting month were summarized as below table:

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
 Trial pits excavation Underground utilities detections Asphalt Milling and Paving and Lane Marking Modification Central median modification Pre-drilling works Construct temporary road and site access Retaining wall construction 	 Trial pits excavation Underground utilities detections Central median modification Pre-drilling works 	 Trial pits excavation Underground utilities detections Underground utilities diversion Retaining wall construction Bore piling Construct temporary road & site access Pre-drilling works and Soldier Pile works 	 Trial pits excavation Underground utilities detections Construct temporary road and site access Structure Works for Staircase 	 Trial pits excavation Underground utilities detections Construct temporary road and site access

Breaches of the Action and Limit Levels

- iii. 24-hour and 1-hour TSP impact monitoring were carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.
- iv. Day time construction noise monitoring was carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period. Regular night time noise monitoring was carried out on 7, 14, 21 and 28 November 2019 respectively and two exceedance cases were recorded on 7, 21 November 2019 between 2300 and 0700 of the next day during the reporting month. After ET's further investigation, for NMS 5A and NMS 26, as the dominant noise should be the background traffic noise, the noise exceedance cases were considered not projectrelated.

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Complaint, Notification of Summons and Successful Prosecution

v. One complaint case was received on 6th November 2019 from the Project Hotline and EPD regarding to the noise nuisance near Wai Wah Centre at 22:30 on 5th November. After ET's investigation, the noise nuisance was considered to be project-related. For the case of noise nuisance near Wai Wah Centre, main contractor of the project conducted the emergency road repair works under an Emergency Excavation Permit (EXP) of Plan ID: EO13123 with an emergency code M834914 with period starting from 5th November till 11th November 2019, which had been issued by the Highways Department (HyD). The main contractor had informed the management offices of the nearby NSRs in advance. The contractor was reminded to keep this practice of advance notification for emergency works in future as well. Also, the main contractor should inform the EPD in advance of any emergency opening works of the Project in future to facilitate the effective handling of noise complaint that may arise. For construction works covered by the CNP issued by EPD, the main contractor should fully comply with the conditions as stipulated and provided all noise mitigation measures as required under the conditions of the CNP. For works subject to the emergency situation, noise mitigation measures such as noise barrier, enclosure etc. should be provided as far as practicable to minimise the noise nuisance to the NSRs.

Reporting Changes

vi. There was no reporting change in the reporting month.

Future Key Issues

vii. The key issues to be considered in the coming reporting month include:

Potential environmental impacts arising from the above construction activities are mainly associated with construction dust, construction noise, water quality, waste management and landscape and visual impact.



1. INTRODUCTION

1.1 Background

- 1.1.1 Contract No. NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section) (TPR-ST) (hereafter referred as "the Contract"), is the Works Contract involved the construction of road widening and retrofitting noise barriers on TPR-ST.
- 1.1.2 The Works of road widening on TPR-ST is classified as a designated project (DP) under the Part I of Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499). The scale and scope of DP is classified as below:
 - Widening and reconstruction of an approximate 1.2 km long of the existing Tai Po Road (Sha Tin Section) from dual 2-lane to dual 3-lane carriageway; and improvement of the existing Sha Tin Rural Committee Road and its junctions.
- 1.1.3 The Environmental Monitoring and Audit (EM&A) programme under this Contract is governed by the Environmental Permit (EP) (EP No: EP-463/2013/B) and the updated EM&A Manual (Reference No.: 0064/18/ED/0122D). The Works to be executed under this Contract and corresponding EPs include but not be limited to the following main items:
 - (i) Road widening works of TPR-ST:
 - a. widening of TPR-ST of about 1.1 kilometres between Sha Tin Rural Committee Road (STRCR) and Fo Tan Road from dual two-lane to dual three-lane;
 - b. modification to the existing diamond interchange at TPR-ST / STRCR (STRCRInterchange);
 - c. provision of two pedestrian lifts, re-provision of staircase and cycle track ramp at the modified STRCR Interchange;
 - d. modification of existing cycle track subway no. NS30 near Sha Tin Plaza;
 - e. modification of the existing footbridge no. NF40 across TPR-ST near Wo Che Street;
 - f. modification of the existing footbridge no. NF66 near Fung Wo Lane;
 - g. installation of noise mitigation measures between Citylink Plaza and Mei Wo House of Wo Che Estate;
 - h. associated drainage works, waterworks, street lighting works and traffic control and surveillance system (TCSS).
 - (ii) Retrofitting of noise barriers along TPR-ST:
 - (a) western section between Citylink Plaza and Scenery Court;
 - (b) eastern section between Mei Wo House of Wo Che Estate and Fo Tan Road; and
 - (c) associated drainage works, waterworks and street lighting works.



- (iii) Associated street furniture, road marking, traffic signs, directional signs, services and utilities, and
- (iv) Associated landscaping works.
- 1.1.4 The location and boundary of the site is shown in **Figure 1**.
- 1.1.5 This Monthly EM&A report is required under EP-463/2013/B Condition 3.4. It is to report the results and findings of the EM&A programme required in the updated EM&A Manual.
- 1.1.6 This is the 12th monthly EM&A Report which summarized the impact monitoring results and audit findings for the construction of the road widening and retrofitting noise barriers on Tai Po Road (Sha Tin Section) (TPR-ST) (hereafter referred as "the Project") within the period between 1st November 2019 and 30th November 2019.

1.2 **Project Organization**

- 1.2.1 The project proponent was the Civil Engineering and Development Department, HKSAR (CEDD). AECOM Asia Co. Ltd. (AECOM) was commissioned by CEDD as the Engineer for the Project. Acuity Sustainability Consulting Limited Nature & Technologies (HK) Limited Joint Venture was commissioned as the Independent Environmental Checker (IEC). China railway China Railway First Group Zhen Hua Engineering Joint Venture (CCZJV) was appointed as the main contractor for the construction works under the contract NE/2017/05. Fugro Technical Services Limited (FTS) was appointed as the Environmental Team (ET) by CEDD to implement the EM&A programme for the Project.
- 1.2.2 The organization structure is shown in **Appendix B**. The key personnel contact names and numbers for the Project are summarized in **Table 1.1**.
- 1.2.3

Party	Position	Name	Telephone
Project Proponent (CEDD)	Senior Engineer	Mr. Andrew Cheung	3152 3500
Engineer's Representative (AECOM)	Chief Resident Engineer	Mr. Albert Yu	2276 0618
IEC (Acuity Sustainability Consulting Limited – Nature & Technologies (HK) Limited Joint Venture)	Independent Environmental Checker	Mr. Kevin Li	9779 2247
Main Contractor (CCZJV)	Site Agent	Mr. Alvin Chan	9800 9494
,	Environmental Officer	Ms. Kimberly Wong	5542 1669
ET (FTS)	Environmental Team Leader	Mr. David Hung	3565 4371

 Table 1.1
 Contact Information of Key Personnel

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1.3 Construction Programme and Activities

- 1.3.1 The construction of the Project commenced on 29 November 2018 and is expected to complete in 2023. The construction programme is shown in **Appendix A**.
- 1.3.2 A summary of the major construction activities undertaken in the reporting month were shown in below table:

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
 Trial pits excavation Underground utilities detections Asphalt Milling and Paving and Lane Marking Modification Central median modification Pre-drilling works Construct temporary road and site access Retaining wall construction 	 Trial pits excavation Underground utilities detections Central median modification Pre-drilling works 	 Trial pits excavation Underground utilities detections Underground utilities diversion Retaining wall construction Bore piling Construct temporary road & site access Pre-drilling works and Soldier Pile works 	 Trial pits excavation Underground utilities detections Construct temporary road and site access Structure Works for Staircase 	 Trial pits excavation Underground utilities detections Construct temporary road and site access

1.4 Status of Environmental Licenses, Notifications and Permits

1.4.1 A summary of the relevant environmental licenses, permits and/or notifications on environmental protection for this Contract is presented in **Table 1.2**.

3

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Table 1.2 Relevant Environmental Licenses, Permits and/or Notifications

Environmental License / Permit / Notification	Reference Number	Valid From	Valid Till
Environmental Permit for whole project	EP-463/2013/B	20/12/2016	Nil
Receipt of the notification of construction dust production	Form NA	27/7/2018	Nil
Construction Waste Disposal Account	7031619	17/8/2018	Nil
Chemical Waste Producer Registration	5318-758-C4314-01	6/11/2018	Nil
Effluent Discharge License (Zone 1 – Zone 5)	WT00032446-2018	9/11/2018	30/11/2023
Construction Noise Permit	GW-RN0633-19	1/10/2019	30/11/2019
for Road Closure works at restricted hours	GW-RN0842-19	1/12/2019	31/01/2020

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2. AIR QUALITY

2.1 Monitoring Requirement

In accordance with the updated EM&A Manuals, 24-hour & 1-hour Total Suspended Particulates (TSP) level at the designated air quality monitoring station are required. Impact 24-hour and 1-hour TSP monitoring should be carried out at least once every 6 days. The Action and Limit Levels of the air quality monitoring are given in **Appendix C**.

2.2 Monitoring Equipment

The 24-hour and 1-hour TSP air quality monitoring was performed using High Volume Air Samplers (HVS) and portable TSP Monitors located at each of the designated monitoring station respectively.

 Table 2.1 and 2.2 summarizes the equipment used in air quality monitoring.

1					
Item	Location	Brand	Model	Equipment	Serial Number
1	AMS 3A	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	882148
2	AMS 6	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620407
3	AMS 7A	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620408
4	AMS 12	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620480

Table 2.1 24-hour TSP Monitoring Equipment

*Notes: As electricity supply is not available and accessible for the High Volume Samplers (HVS) at AMS3A, 6, 7A, and 15, portable Laser Particle Photometer Monitors will be utilized for 24-hour TSP monitoring instead of High Volume samplers (HVS). The correlation between HVS and the portable Laser Particle Photometer Monitors are presented in Appendix D.

Table 2.2	1-hour TSP Monitoring Equipment
-----------	---------------------------------

	Item	Location	Brand	Model	Equipment	Serial Number
I	1	AMS 3A	Sibata	Model LD-5R	Sibata Portable TSP Monitors	882148
ſ	2	AMS 6	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620407
ſ	3	AMS 7A	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620408
ľ	4	AMS 12	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620480

2.3 Monitoring Methodology

2.3.1 24-hour TSP air quality monitoring by High Volume Air Samplers (HVS)

HVS Installation

The following guidelines were adopted during the installation of HVS:

- Sufficient support is provided to secure the samplers against gusty wind.
- No two samplers are placed less than 2 meters apart.
- The distance between the sampler and an obstacle, such as buildings, is at least twice the height that the obstacle protrudes above the sampler.
- A minimum of 2 meters of separation from walls, parapets and penthouses is required for rooftop samples.
- A minimum of 2 meters separation from any supporting structure, measured horizontally is required.



- No furnaces or incineration flues are nearby.
- Airflow around the samplers is unrestricted.
- The samplers are more than 20 meters from the drip line.
- Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring.

Filters Preparation

Fiberglass filters (provided by the HOKLAS accredited laboratory) shall be used (Note: these filters have a collection efficiency of larger than 99% for particles of 0.3 μ m diameter). A HOKLAS accredited laboratory (ALS Technichem (HK) Pty Ltd./Fugro Technical Services Limited) is responsible for the preparation of 24-hr conditioned and pre-weighed filter papers for monitoring team.

All filters are equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature is around 25°C and not variable by more than \pm 3°C; the relative humidity (RH) is < 50% and not variable by more than \pm 5%. A convenient working RH is 40%.

Operating / Analytical Procedures

Operating / analytical procedures for the air quality monitoring are highlighted as follows:

- Prior to the commencement of the dust sampling, the flow rate of the HVS are properly set (between 0.6 m³/min and 1.7 m³/min) in accordance with the EM&A manual. The flow rate shall be indicated on the flow rate chart.
- The power supply shall be checked to ensure the samplers worked properly.
- On sampling, the samplers shall be operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air quality monitoring station.
- The filter holding frame is then removed by loosening the four nuts and carefully a weighted and conditioned filter is centered with the stamped number upwards, on a supporting screen.
- The filter shall be aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame is tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.
- The shelter lid shall be closed and secured with the aluminum strip.
- The timer is then programmed. Information shall be recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).
- After sampling, the filter shall be removed and sent to laboratory for weighing. The elapsed time is also recorded.
- Before weighing, all filters are equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than ±3°C; the relative humidity (RH) should be < 50% and not vary by more than ±5%. A convenient working RH is 40%. Weighing results are returned to MCL for further analysis of TSP concentrations collected by each filter.



2.3.2 24-hour TSP air quality monitoring by portable Laser Particle Photometer Monitors

Operating / Analytical Procedures

The measuring procedures of the 24-hr dust meter are in accordance with the Manufacturer's instruction Manual as follows:

- Pull up the air sampling inlet cover
- Change the Mode 0 to BG once
- Push Start/Stop switch once
- Turn the knob to SENSI.ADJ and press it
- Push Start/Stop switch once
- Return the knob to the position MEASURE slowly
- Push the timer set switch to set measuring time
- Remove the cap and make a measurement

Calculation of the value of 24-hr TSP concentration is given by the average of 24 calculated 1hr TSP concentration, where the calculated 1-hr TSP concentration is given by the product of the direct reading and the K-factor based on the correlation results between the direct reading meter and high volume sampler.

2.3.3 1-hour TSP air quality monitoring

Operating / Analytical Procedures

The measuring procedures of the 1-hr dust meter are in accordance with the Manufacturer's instruction Manual as follows:

- Pull up the air sampling inlet cover
- Change the Mode 0 to BG once
- Push Start/Stop switch once
- Turn the knob to SENSI.ADJ and press it
- Push Start/Stop switch once
- Return the knob to the position MEASURE slowly
- Push the timer set switch to set measuring time
- Remove the cap and make a measurement

2.4 Maintenance / Calibration

2.4.1 24-hour TSP air quality monitoring

The following maintenance / calibration are required for the HVS:

- The high volume motors and their accessories are properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking are made to ensure that the equipment and necessary power supply are in good working condition.
- All HVS shall be calibrated (five point calibration) using Calibration Kit upon installation and thereafter in every 3 months.
- A copy of the calibration certificates for the HVS and calibrator are provided in Appendix D.

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1-hour TSP air quality monitoring 2.4.2

The portable TSP monitor should be calibrated at 1 year intervals

2.5 **Monitoring Locations**

2.5.1 The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works. According to the Hong Kong Observatory, wind direction in November 2019 was north, north east and east. The most updated locations are summarized in Table 2.3 and shown in Figure 2a.

Table 2.3 Location of Air Quality Monitoring Station

Monitoring Station	Location	Land uses
AMS 3A	Wai Wah Centre	Residential
AMS 6	Shatin Plaza	Residential
AMS 7A	Sheung Wo Che	Residential
AMS 12	Fung Wo Estate	Residential

2.6 **Results and Observations**

- 2.6.1 The schedule of air quality monitoring in reporting month is provided in Appendix E.
- 2.6.2 No Action / Limit Level exceedance was recorded for 24-hr and 1-hr TSP at AMS 3A, 6, 7A and 12 in the reporting month.
- 2.6.3 During the reporting month, major dust sources including trial pits excavation and bore piling were observed in the site. Other factors such as road traffic along Tai Po Road may affect the monitoring results.
- The weather conditions during the monitoring are provided in **Appendix K**. 2.6.4
- The monitoring data of 24-hr and 1-hr TSP are summarized in Table 2.4 and 2.5. Detailed 2.6.5 monitoring data are presented in Appendix F.

Table 2.4	Summary of 24-hr TSP Monitoring Results				
Parameter	Monitoring Station	Average (µg/m³)	Range (µg/ m³)	Action Level (µg/ m ³)	Limit Level (µg/ m ³)
	AMS 3A	78	47 – 122	200	
24-hr TSP	AMS 6	65	40 – 98	165	260
in µg/m³	AMS 7A	65	36 – 84	171	200
	AMS 12	59	31 – 82	172	

Table 2.5

Summary of 1-hr TSP Monitoring Results

Parameter	Monitoring Station	Average (µg/m³)	Range (µg/ m³)	Action Level (µg/ m ³)	Limit Level (µg/ m ³)
	AMS 3A	85	47 – 142	348	
1-hr TSP	AMS 6	69	39 – 113	347	500
in µg/m³	AMS 7A	70	37 – 100	344	500
	AMS 12	62	29 - 89	350	

2.6.6 The Event and Action Plan for air quality is given in **Appendix H**.

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3. NOISE

3.1 Monitoring Requirement

3.1.1 In accordance with the updated EM&A Manuals, Leq (30min) monitoring is conducted for at least once a week during the construction phase between 0700 and 1900 on normal weekdays at the designated monitoring locations.

3.2 Monitoring Equipment

- 3.2.1 The sound level meter used in noise monitoring will comply with the International Electrotechnical Commission Publication 651:1979 (Type 1) and 804:1985 (Type 1) specifications as referred to in the Technical Memorandum issued under the Noise Control Ordinance (NCO).
- 3.2.2 Sound level calibrator will be used for the on-site calibration of the meter. This calibrator complies with the IEC Publication 942 (1988) Class 1 and ANSI S1.40 1984. Noise measurements were only accepted to be valid if the calibration levels from before and after the measurement agree to within 1.0dB.
- 3.2.3 Measurements shall be recorded to the nearest 0.1dB. Sound level meters are programmed to measure A-weighted equivalent continuous sound pressure level at 30-minute intervals between 0700 and 1900 on normal weekdays at least once a week when construction activities are underway.

Table 3.1 summarizes the noise monitoring equipment model being used for this project.

Item	Brand	Model	Equipment	Serial Number
1	Casella	CEL-63X Series	Integrating Sound Level Meter	1488272
2	Casella	CEL-63X Series	Integrating Sound Level Meter	1488287
3	Casella	CEL-63X Series	Integrating Sound Level Meter	0873599
4	Casella	CEL-63X Series	Integrating Sound Level Meter	1488270
5	Casella	CEL-120 Series	Calibrator	4358289
6	Casella	CEL-120 Series	Calibrator	2383707
7	Casella	CEL-120 Series	Calibrator	5230758
8	Casella	CEL-120 Series	Calibrator	4358251

 Table 3.1
 Noise Monitoring Equipment

3.3 Monitoring Parameters and Frequency

Table 3.2 presents the noise monitoring parameters and frequencies.

Table 3.2 Monitoring Parameters and Frequencies of Noise Monitoring

Parameter	Frequency and Period
LAeq (30min)	At each station at 0700-1900 hours on normal weekdays at a frequency
L10 and L90 will be recorded for reference	of once a week

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3.4 Monitoring Methodology

- 3.4.1 The monitoring procedures are as follows:
 - The monitoring station is set at a point 1m from the exterior of the sensitive receivers building façade and set at a position 1.2m above the ground.
 - The battery condition is checked to ensure good functioning of the meter.
 - Parameters such as frequency weighting, the time weighting and the measurement time are set as follows:
 - frequency weighting : A
 - time weighting : Fast
 - measurement time : Weekly 30 minutes between 0700-1900 on normal weekdays
 - Prior to and after noise measurement, the meter shall be calibrated using the calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement will be considered invalid and repeat of noise measurement is required after re-calibration or repair of the equipment.
 - Noise monitoring should be cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s.
 - Noise measurement should be paused during periods of high intrusive noise if possible and observation shall be recorded when intrusive noise is not avoided.
 - At the end of the monitoring period, the Leq, L10 and L90 are recorded. In addition, site conditions and noise sources are recorded on a standard record sheet.

3.5 Maintenance / Calibration

- 3.5.1 Maintenance and Calibration procedures are as follows:
 - The microphone head of the sound level meter and calibrator should be cleaned with a soft cloth at quarterly intervals.
 - The sound level meter and calibrator should be calibrated annually by a HOKLAS laboratory.
 - Relevant calibration certificates are provided in **Appendix D**.

3.6 Monitoring Locations

3.6.1 According to the updated EM&A Manual, 25 noise monitoring locations were included during the noise monitoring. The monitoring locations are summarized in **Table 3.3** and shown in **Figure 2**.

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Table 3.3 Location of Noise Monitoring Station					
Monitoring Station	Location	Land Uses	Type of Measurement		
NMS1	Scenery Court	Residential	Façade		
NMS2	Villa Le Parc	Residential	Façade		
NMS3	Hilton Plaza	Residential	Façade		
NMS4	Tin Liu	Residential Village	Façade		
NMS5A	Wai Wah Centre	Residential	Façade		
NMS6A	Wai Wah Centre	Residential	Façade		
NMS7	Tin Liu	Residential Village	Façade		
NMS8	Shatin Plaza	Residential	Façade		
NMS9	Lek Yuen Estate	Residential	Façade		
NMS10A	Shatin Tsung Tsin School	School	Façade		
NMS11	Sheung Wo Che	Residential Village	Façade		
NMS12	SKH Holy Spirit Primary School	School	Façade		
NMS13	Lek Yuen Estate	Residential	Façade		
NMS14	Sheung Wo Che	Residential Village	Façade		
NMS15	Ha Wo Che	Residential Village	Façade		
NMS16	Ha Wo Che	Residential Village	Façade		
NMS17	Shatin Pui Ying College	School	Façade		
NMS18	Ha Wo Che	Residential Village	Façade		
NMS19	Wo Che Estate	Residential	Façade		
NMS20	Wo Che Estate	Residential	Façade		
NMS23	Pai Tau	Residential Village	Façade		
NMS24	Shatin Plaza	Residential	Façade		
NMS25A	Sheung Wo Che	Residential Village	Façade		
NMS26	Wo Che Estate	Residential	Façade		
NMS27	Jockey Club Ti-I College	School	Façade		

Table 3.3 Location of Noise Monitoring Station

3.7 Results and Observations

- 3.7.1 The schedule of noise monitoring in reporting month is provided in **Appendix E**.
- 3.7.2 The exam schedules of the schools are provided in **Appendix E**.
- 3.7.3 During the monitoring month, road traffic along Tai Po Road was observed which may affect the monitoring results.
- 3.7.4 No raining and wind with speed over 5 m/s was observed during day time noise monitoring according to the onsite observation. The weather conditions during the monitoring month are provided in **Appendix K**.
- 3.7.5 The day time noise monitoring data are summarized in **Table 3.4**. Detailed monitoring data are presented in **Appendix G**.

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Table 3.4 Summary of Day Time Noise Impact Monitoring Results			
Monitoring Station	Leq (30min) Range, dB(A)	Leq (30min) Limit Level,	
	Construction Noise Level	dB(A)	
NMS1	62.2 – 67.9	75	
NMS2	57.9 – 61.2	75	
NMS3	59.0 – 68.6	75	
NMS4	65.0 – 71.6	75	
NMS5A	69.9 – 73.1	75	
NMS6A	68.7 – 72.4	75	
NMS7	63.7 – 73.7	75	
NMS8	68.0 – 71.3	75	
NMS9	66.4 - 69.7	75	
NMS10A	63.2 - 64.8	70*	
NMS11	66.3 - 68.0	75	
NMS12	63.6 – 65.1	70*	
NMS13	66.7 - 67.8	75	
NMS14	65.7 – 66.3	75	
NMS15	64.4 - 65.6	75	
NMS16	65.3 – 66.2	75	
NMS17	63.7 – 64.6	70*	
NMS18	63.7 – 66.1	75	
NMS19	68.6 – 71.8	75	
NMS20	67.7 – 69.6	75	
NMS23	62.8 - 66.5	75	
NMS24	69.4 – 72.6	75	
NMS25A	72.6 – 74.2	75	
NMS26	73.3 – 74.1	75	
NMS27	62.8 - 64.3	70*	

 Table 3.4
 Summary of Day Time Noise Impact Monitoring Results

Note: 1. Leq (30min) was measured at day-time (0700-1900) on normal weekdays.
2. 70 dB(A) for schools and 65 dB(A) for schools during examination period. Exam schedules of NMS 10A, NMS12, NMS 17 and NMS 27 are provided in Appendix E for reference.

3.7.6 Regular night time noise monitoring were conducted on 7, 14, 21 and 28 November 2019 and the results are summarized in **Table 3.5**. Detailed monitoring data are presented in **Appendix G.**

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Table 3.5	e 3.5 Summary of Night Time Noise Impact Monitoring Results				
Monitoring Station	Leq (15min) Range, dB(A) Construction Noise Level	Leq _(15min) Limit Level, dB(A)			
NMS1	58.2 - 60.7	55			
NMS2	44.2 – 46.9	55			
NMS3	62.0 - 64.2	55			
NMS4	53.5 – 54.6	55			
NMS5A	67.6 – 70.9	55			
NMS6A	68.2 – 69.9	55			
NMS7	53.4 – 57.1	55			
NMS8	55.2 – 62.0	55			
NMS9	55.6 – 57.1	55			
NMS11	47.9 – 49.9	55			
NMS13	55.6 – 57.1	55			
NMS14	51.4 - 53.8	55			
NMS15	53.2 - 55.5	55			
NMS16	54.5 - 58.3	55			
NMS18	50.1 – 58.4	55			
NMS19	53.8 - 60.2	55			
NMS20	50.9 - 54.5	55			
NMS23	50.9 – 58.1	55			
NMS24	56.4 - 57.8	55			
NMS25A	46.9 - 54.3	55			
NMS26	59.0 – 65.9	55			

bla 2 F

Note: 1) Leg (15min) was measured at night-time (2300-0700).

2) When the Average Measured Noise Level is greater than Limit Level, Average Construction Noise Level (CNL) will be applied, where

Calculated CNL = Measured Noise Level during operation - Baseline

3) Detailed analysis of each monitoring location is provided in Appendix G.

Day time construction noise monitoring was carried out in the reporting month, no Action / 3.7.7 Limit Level exceedance was recorded during the period. For night time construction noise monitoring, two exceedance cases were recorded on 7 and 21 November 2019 between 2300 and 0700 of the next day during the reporting month. After ET's further investigation, for NMS 5A and NMS 26, as the dominant noise should be the background traffic noise, the noise exceedance cases were considered not project-related.

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- 3.7.8 The Action and Limit Levels for noise impact monitoring have been set and are presented in **Appendix C**.
- 3.7.9 The Event and Action Plan for noise is given in **Appendix H**.

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4. LANDSCAPE AND VISUAL

4.1 Audit Requirements

- 4.1.1 In accordance with the EM&A Manual, the landscape and visual mitigation measures during the construction phase are primarily due to those associated temporary works for the construction of retrofitting noise barriers/enclosures. To ensure compliance with the intended aims of the measures, weekly site inspections are undertaken throughout the construction period.
- 4.1.2 According to the updated EM&A Manual, measures to mitigate landscape and visual impacts during construction should be checked to ensure compliance with the intended aims of the measures. The progress of the engineering works shall be regularly reviewed onsite to identify the earliest practical opportunities for the landscape works to be undertaken. The ET shall report on the Contractor's compliance on a weekly basis.

4.2 Results and Observations

- 4.2.1 Site audits were carried out to monitor and audit the implementation of landscape and visual mitigation measures. The summary of the site audits are given in **Appendix M**.
- 4.2.2 No non-compliance of the landscape and visual impact was recorded in the reporting month.

15



5. WASTE MANAGEMENT

5.1 Audit Requirements

- 5.1.1 The effective management of waste arising during the construction phase will be monitored through the site audit programme. Regular audits and site inspections should be carried out to ensure that the recommended good site practices and other mitigation measures are implemented by the Contractor.
- 5.1.2 The audit should look at all aspects of on-site waste management practices including the waste generation, storage, recycling, transport and disposal. The aims of waste audit are:
 - to ensure the waste arising from the works are handled, stored, collected, transferred and disposed of in an environmentally acceptable manner;
 - verify the implementation status and evaluate the effectiveness of the mitigation measures; and
 - to encourage the reuse and recycling of material.

5.2 Results and Observations

- 5.2.1 C&D materials and wastes sorting were carried out on site. Receptacles were available for C&D wastes and general refuse collection.
- 5.2.2 The amount of wastes generated by the site activities in the reporting month is shown in **Appendix I**.

16



6. SITE INSPECTION

6.1 Site Inspection

- 6.1.1 Site inspections were carried out weekly to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. A summary of the mitigation measures implementation schedule is provided in **Appendix J**.
- 6.1.2 In the reporting month, four site inspections were carried out on 7, 14, 22 and 27 November 2019. The site inspection held on 27 November 2019 was the joint inspections with the IEC, ER, the Contractor and the ET.
- 6.1.3 All the follow-up actions requested by ET and IEC during the site inspections were completed as reported by the Contractor. No outstanding issues were reported during the reporting month. Details of observations recorded during the site inspections are summarized in **Appendix M**.



7. ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE

7.1 Environmental Exceedance

- 7.1.1 24-hour and 1-hour TSP impact monitoring were carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.
- 7.1.2 Day time construction noise monitoring was carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period. Regular night time noise monitoring was carried out on 7, 14, 21 and 28 November 2019 respectively and two exceedance cases were recorded on 7 and 21 November 2019 between 2300 and 0700 of the next day during the reporting month. After ET's further investigation, for NMS 5A and NMS 26 as the dominant noise should be the background traffic noise, the noise exceedance cases were considered not project-related.

7.2 Complaints, Notification of Summons and Prosecution

- One complaint case was received on 6th November 2019 from the Project Hotline and EPD 7.2.1 regarding to the noise nuisance near Wai Wah Centre at 22:30 on 5th November. After ET's investigation, the noise nuisance was considered to be project-related. For the case of noise nuisance near Wai Wah Centre, main contractor of the project conducted the emergency road repair works under an Emergency Excavation Permit (EXP) of Plan ID: EO13123 with an emergency code M834914 with period starting from 5th November till 11th November 2019, which had been issued by the Highways Department (HyD). The main contractor had informed the management offices of the nearby NSRs in advance. The contractor was reminded to keep this practice of advance notification for emergency works in future as well. Also, the main contractor should inform the EPD in advance of any emergency opening works of the Project in future to facilitate the effective handling of noise complaint that may arise. For construction works covered by the CNP issued by EPD, the main contractor should fully comply with the conditions as stipulated and provided all noise mitigation measures as required under the conditions of the CNP. For works subject to the emergency situation, noise mitigation measures such as noise barrier, enclosure etc. should be provided as far as practicable to minimise the noise nuisance to the NSRs.
- 7.2.2 Cumulative complaint log, summaries of complaints, notification of summons and successful prosecutions are presented in **Appendix L.**



8. IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

8.1 Implementation Status

- 8.1.1 The Contractor has implemented environmental mitigation measures and requirements as stated in the EIA Review Report, the EP and the updated EM&A Manuals. The implementation status of the mitigation measures during the reporting month is summarized in **Appendix J**.
- 8.1.2 According to the environmental audit performed in the reporting month, the following recommendations were made:

Air Quality Impact

Increase the frequency of water spraying to prevent dust.

Construction Noise Impact

• No specific observation was identified in the reporting month.

Water Quality Impact

- Prevent channel run-off from flowing outside the site area (N.03).
- Prevent surface run-off from flowing outside the site boundary(N.03).

Chemical and Waste Management

• Provide plug for drip tray.

Land Contamination

• No specific observation was identified in the reporting month.

Landscape and Visual Impact

• No specific observation was identified in the reporting month.

General Condition

• No specific observation was identified in the reporting month.

Permit / Licenses

• No new permit or license was issued in the reporting month.

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9. **FUTURE KEY ISSUES**

9.1 **Construction Programme for the Next Month**

During the coming reporting month, the principal work activities within the site include:

- Trial Pits Excavation in Zone 1 to 5. •
- Construct temporary road & site access, such as excavation, sheet piling in Zone 1, 3 & 5. •
- Remove Central median in Zone 1, 2, 4 & 5. •
- Underground utilities diversion, such as sheet pilling, breaking or excavation in Zone 3 •
- Retaining wall construction, such as pre-drilling, piling, excavation in Zone 3.
- Bore piling and Underground utilities diversion in Zone 3. •
- Structure Works for Staircase and RC structure works in Zone 4. •
- Pre-drilling works and mini pile works in Zone 1 &2. •
- Foundation of Noise Barrier in Zone 5. •

9.2 Key Issues for the Coming Month

Potential environmental impacts arising from the above construction activities are mainly 9.2.1 associated with construction dust, construction noise, water quality, waste management and landscape and visual impact.

9.3 Monitoring Schedules for the Next Month

9.3.1 The tentative schedules for environmental monitoring in the coming month are provided in Appendix E.



10. CONCLUSIONS

- 10.1.1 24-hour and 1-hour TSP impact monitoring were carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.
- 10.1.2 Day time construction noise monitoring was carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period. For night time construction noise monitoring, two exceedance cases were recorded on 7 and 21 November 2019 between 2300 and 0700 of the next day during the reporting month. After ET's further investigation, for NMS 5A and NMS 26, as the dominant noise should be the background traffic noise, the noise exceedance cases were considered not project-related.
- 10.1.3 Four environmental site inspections were carried out in the reporting month. Recommendations on mitigation measures on air quality, chemical and waste management and landscape and visual impact were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 10.1.4 One complaint case was received on 6th November 2019 from the Project Hotline and EPD regarding to the noise nuisance near Wai Wah Centre at 22:30 on 5th November. After ET's investigation, the noise nuisance was considered to be project-related. For the case of noise nuisance near Wai Wah Centre, main contractor of the project conducted the emergency road repair works under an Emergency Excavation Permit (EXP) of Plan ID: EO13123 with an emergency code M834914 with period starting from 5th November till 11th November 2019, which had been issued by the Highways Department (HyD). The main contractor had informed the management offices of the nearby NSRs in advance. The contractor was reminded to keep this practice of advance notification for emergency works in future as well. Also, the main contractor should inform the EPD in advance of any emergency opening works of the Project in future to facilitate the effective handling of noise complaint that may arise. For construction works covered by the CNP issued by EPD, the main contractor should fully comply with the conditions as stipulated and provided all noise mitigation measures as required under the conditions of the CNP. For works subject to the emergency situation, noise mitigation measures such as noise barrier, enclosure etc. should be provided as far as practicable to minimise the noise nuisance to the NSRs.

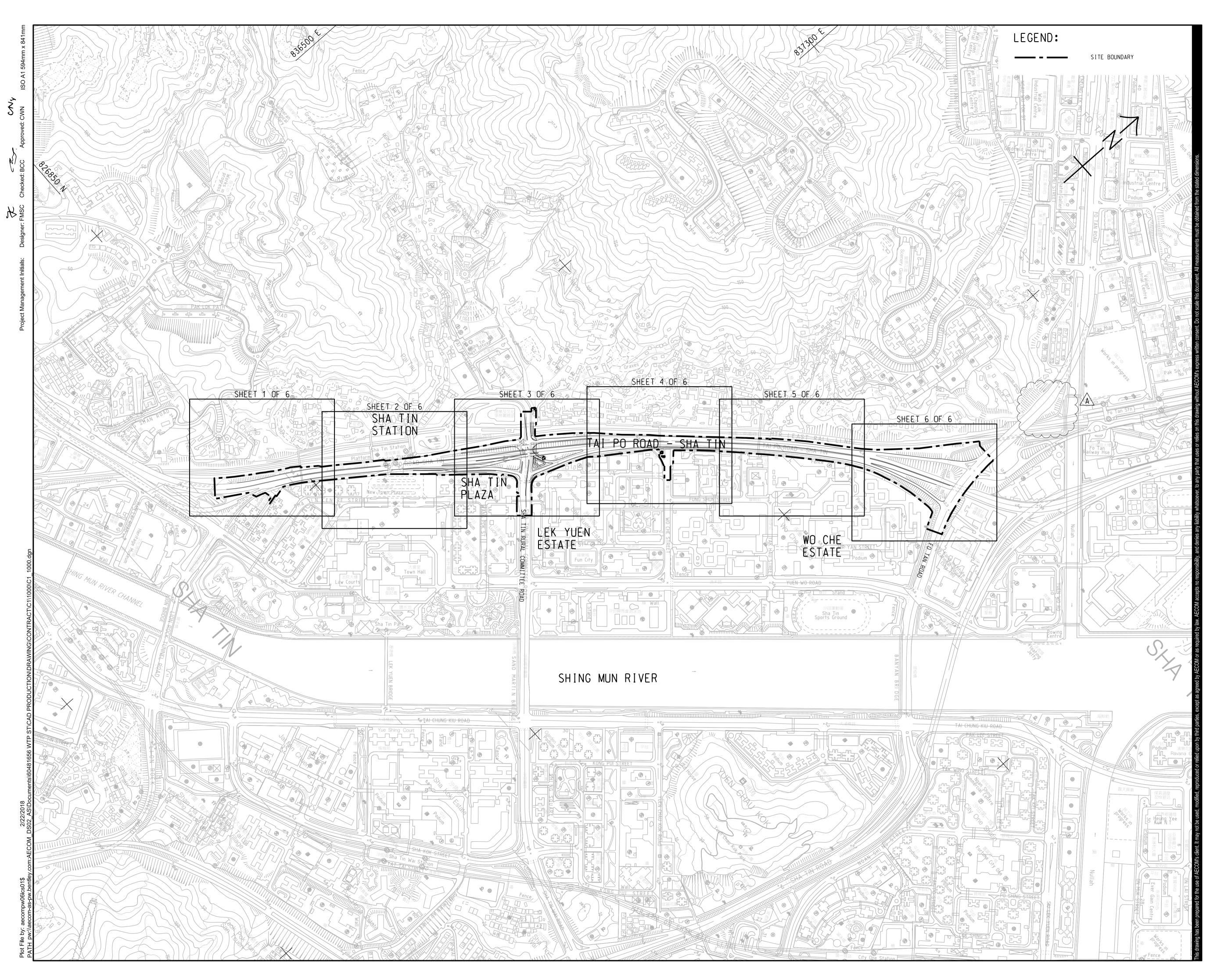
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Figure 1

Project General Layout

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ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)

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### **STATUS** 階段

SCALE ^{比例}	DIMENSION UNIT 尺寸單位
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<b>KEY PLAN</b> 索引圖	FIGURE 1.1a

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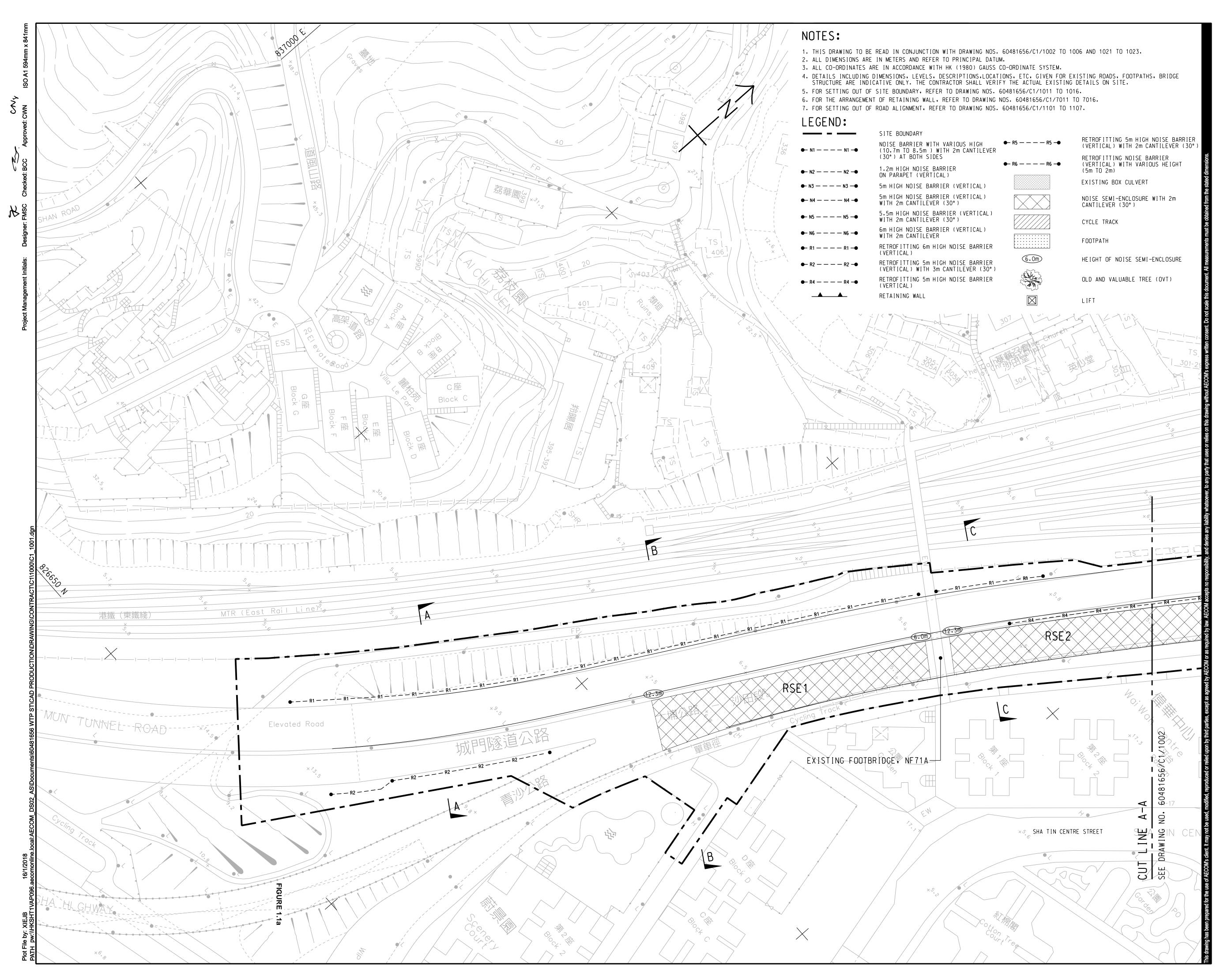
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SHEET TITLE ^{圖紙名稱}

KEY PLAN FIGURE 1.1a

## SHEET NUMBER 圖紙編號

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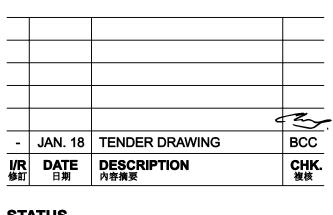
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# SCALE ^{比例}

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A1 1 : 500

METRES

**KEY PLAN** A1 1 : 40000 家引圖 PEI TAL VILLAGE

### CONTRACT NO. ^{合約編號}

60481656

SHEET TITLE 圖紙名稱

GENERAL LAYOUT PLAN

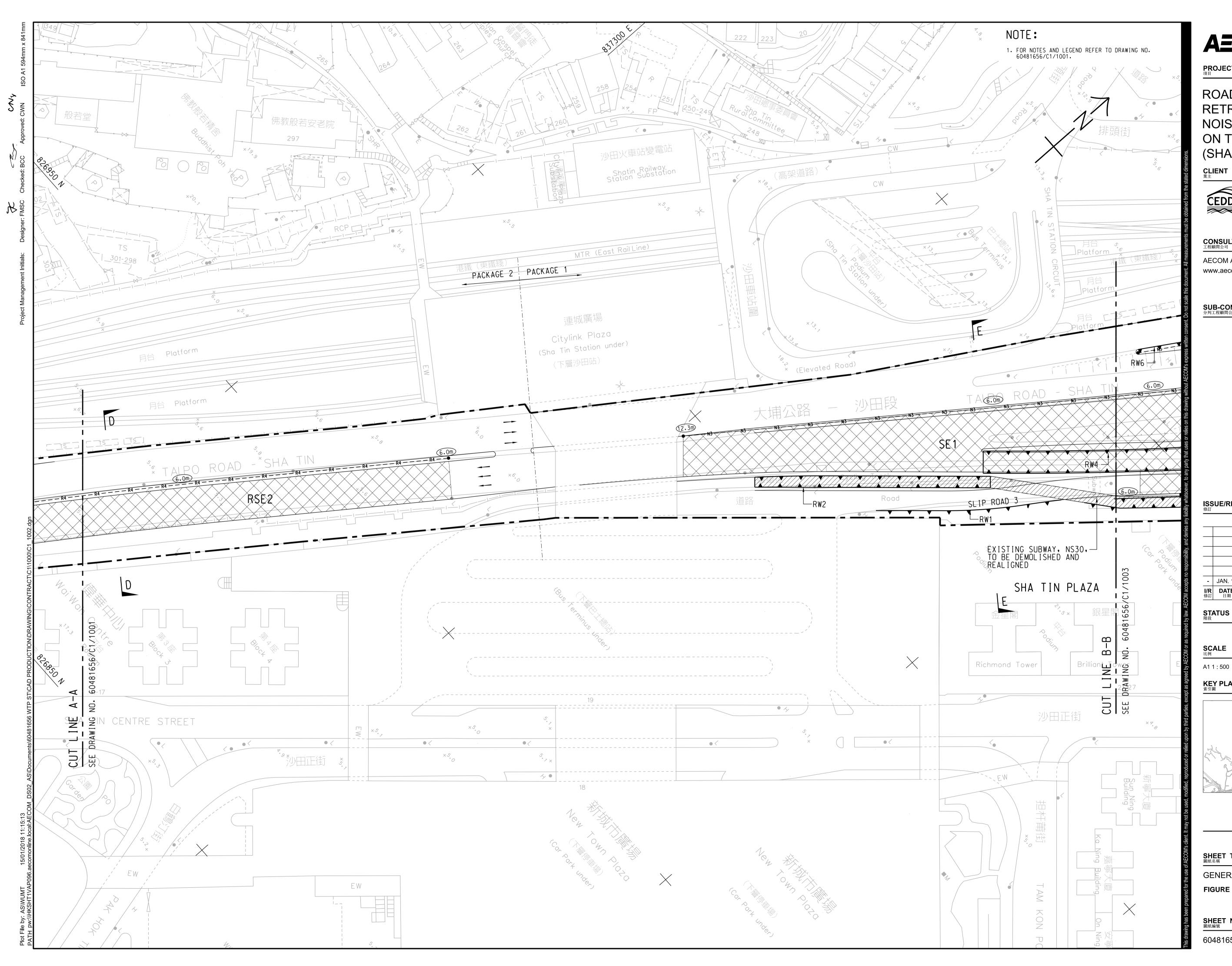
### FIGURE 1.1 b

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SHEET 1 OF 6





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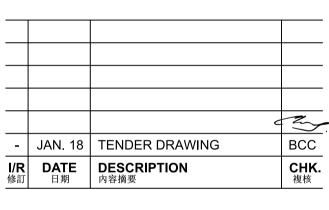
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# SCALE 比例

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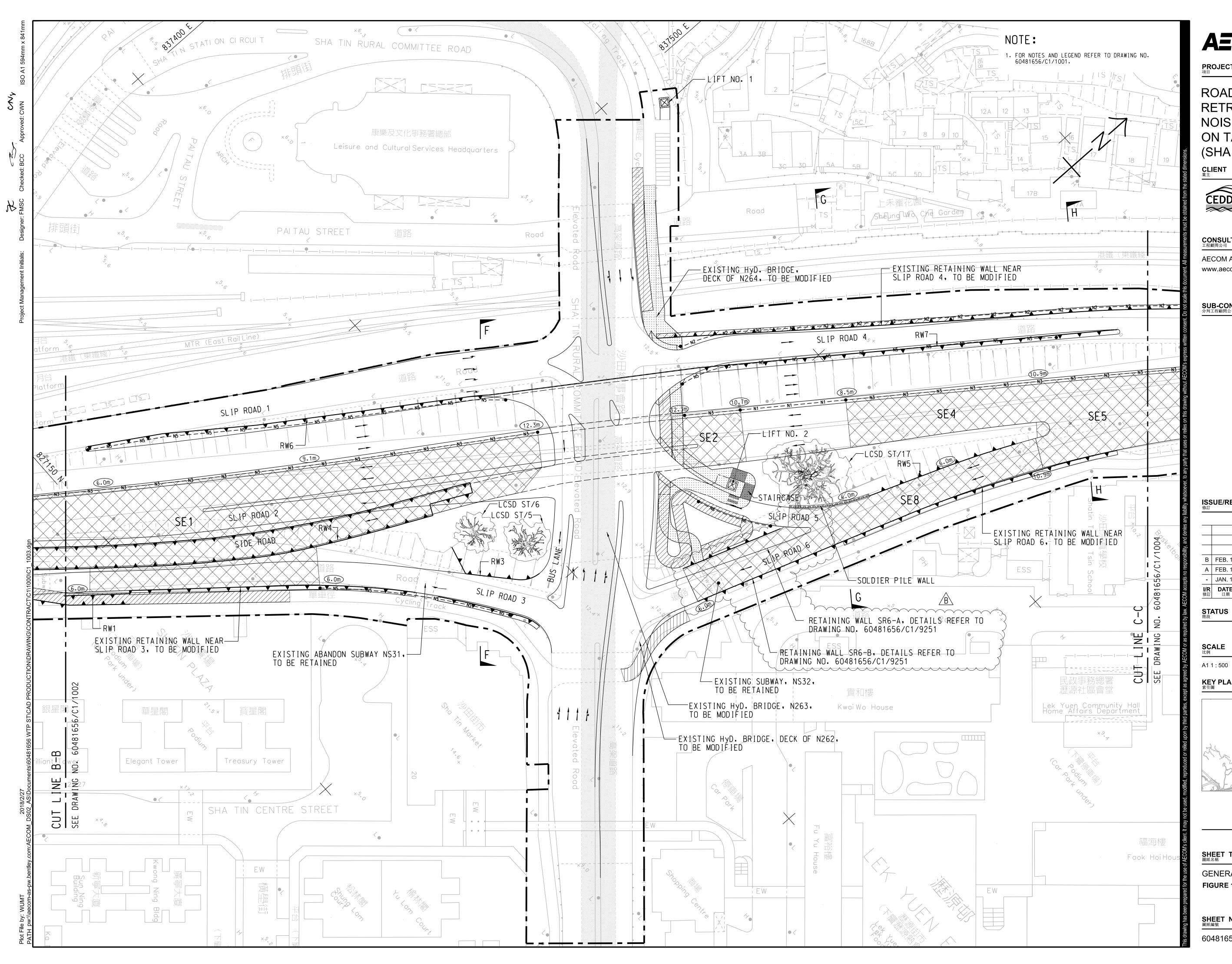
SHEET TITLE 圖紙名稱

GENERAL LAYOUT PLAN FIGURE 1.1b

## SHEET NUMBER ^{圖紙編號}

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PROJECT

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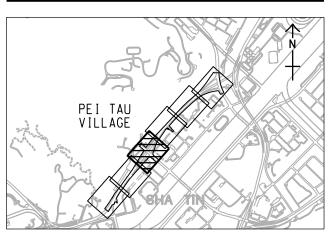
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SCALE 比例

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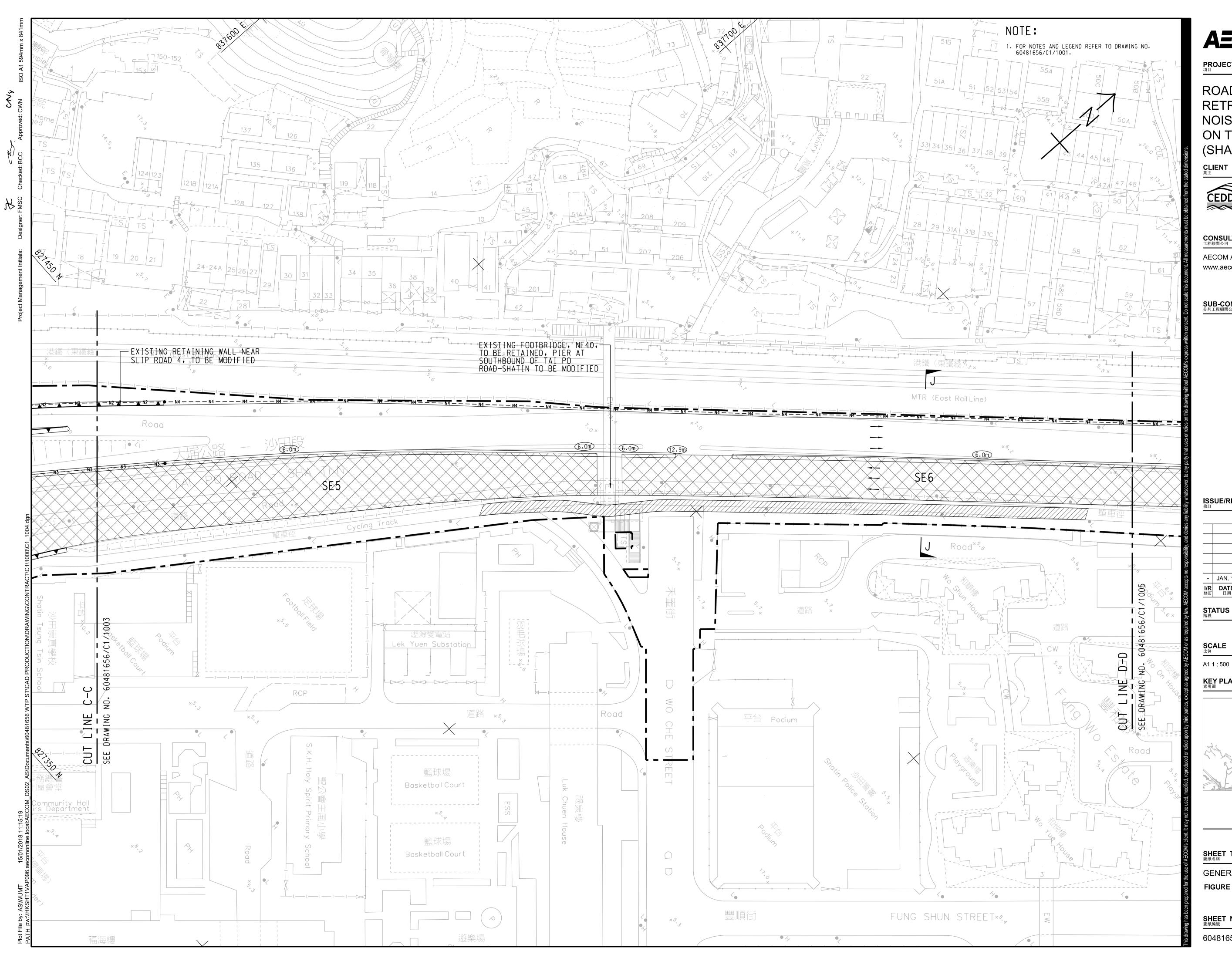
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**PROJECT** ^{項目}

### ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)

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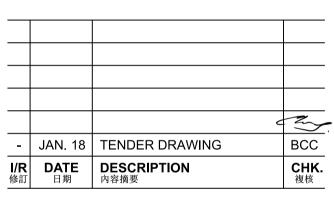
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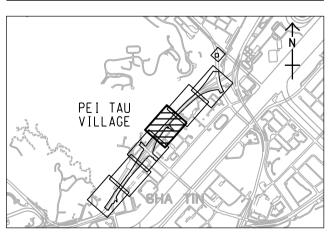
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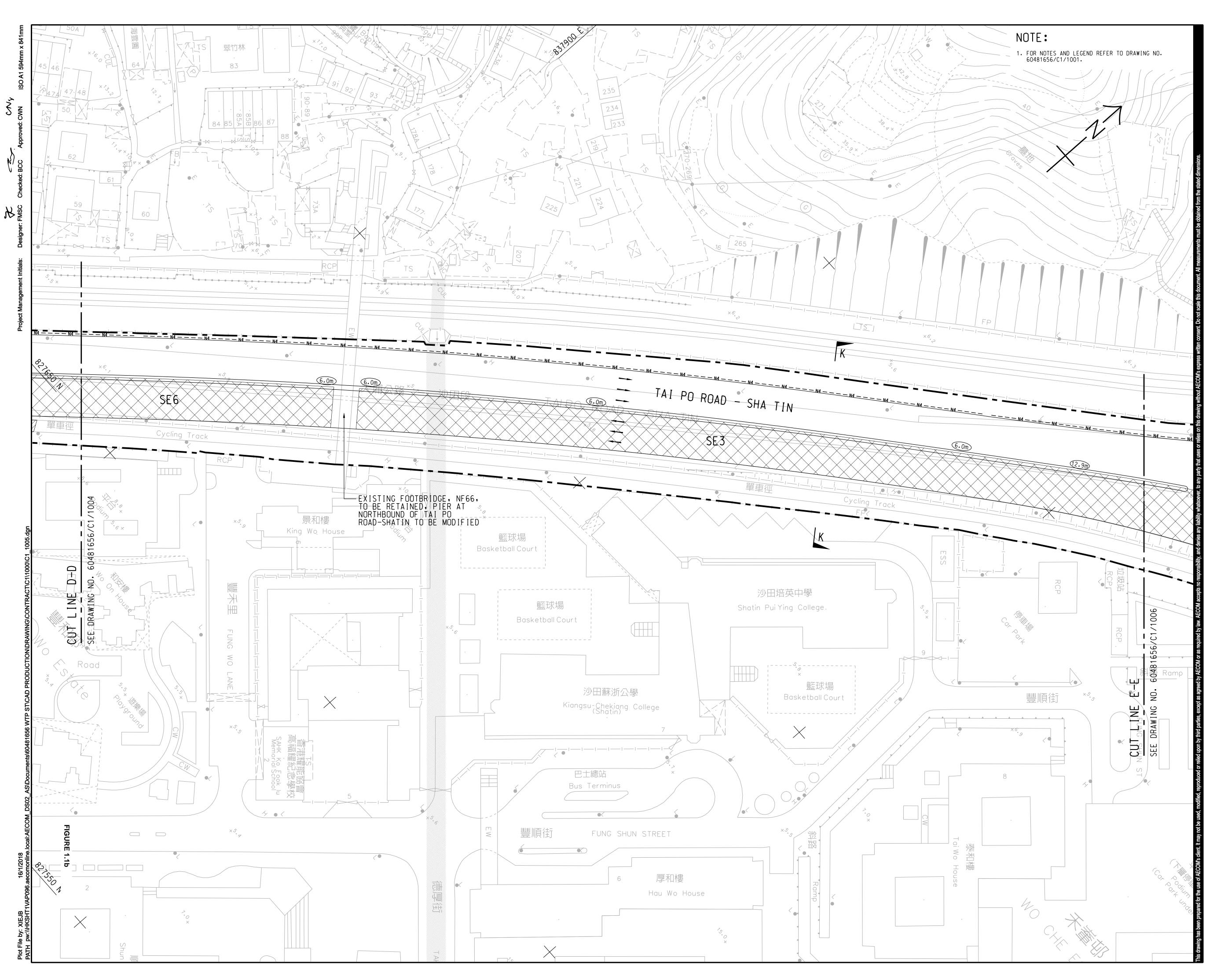
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GENERAL LAYOUT PLAN FIGURE 1.1b

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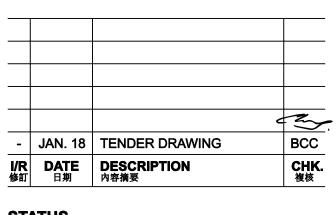
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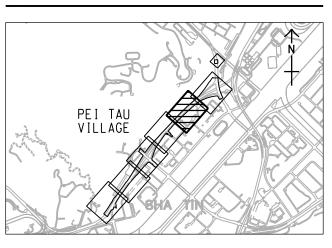
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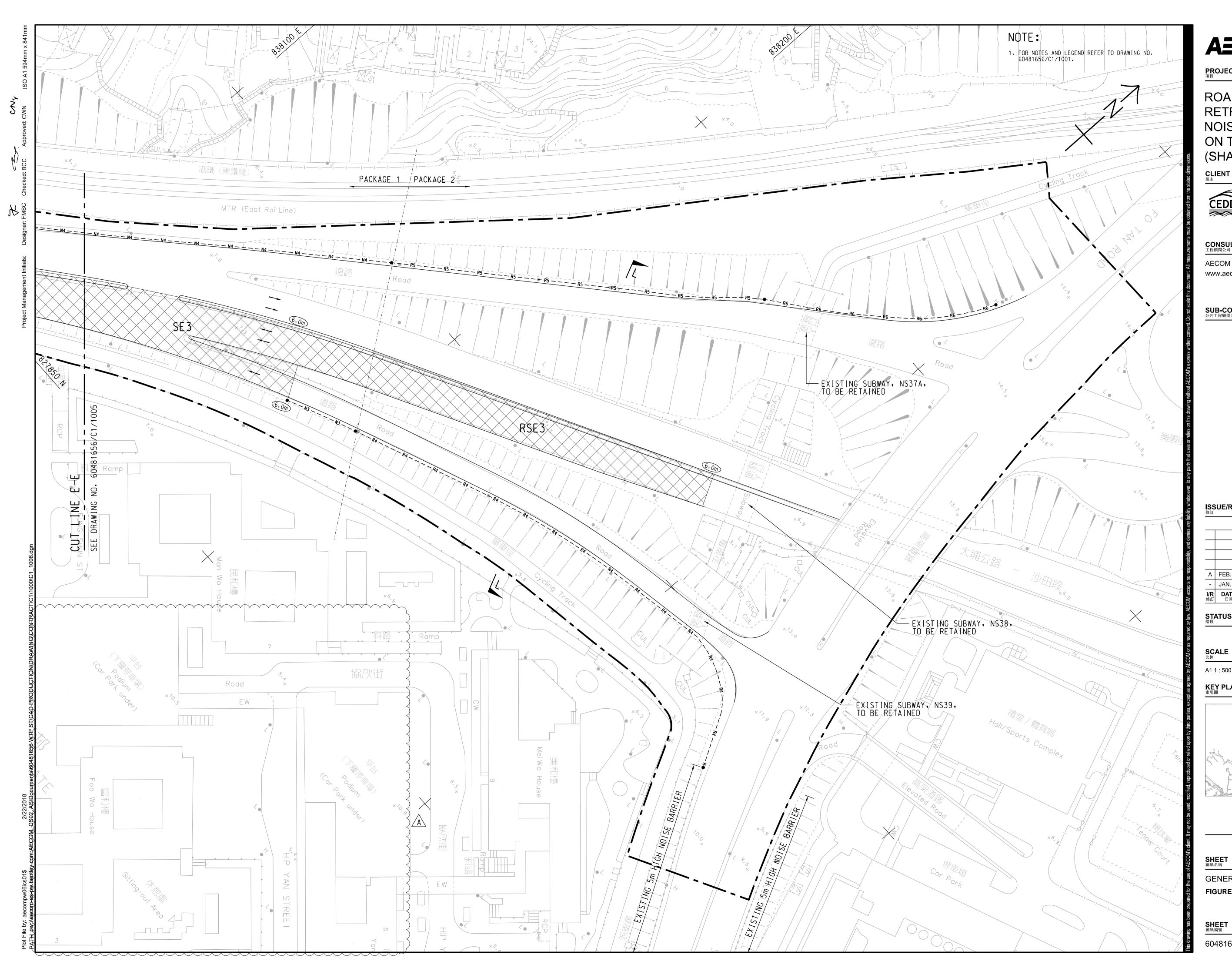
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GENERAL LAYOUT PLAN FIGURE 1.1b

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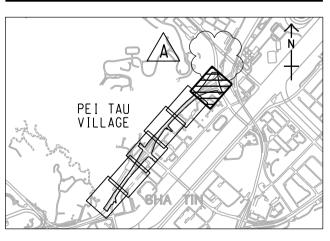
### **STATUS** 階段

## DIMENSION UNIT ^{尺寸單位}

A1 1 : 500

METRES

**KEY PLAN** A1 1 : 40000 索引圖



### CONTRACT NO. _{合約編號}

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GENERAL LAYOUT PLAN FIGURE 1.1b

SHEET 6 OF 6

### SHEET NUMBER 圖紙編號

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Figure 2a

**Air Monitoring Locations** 

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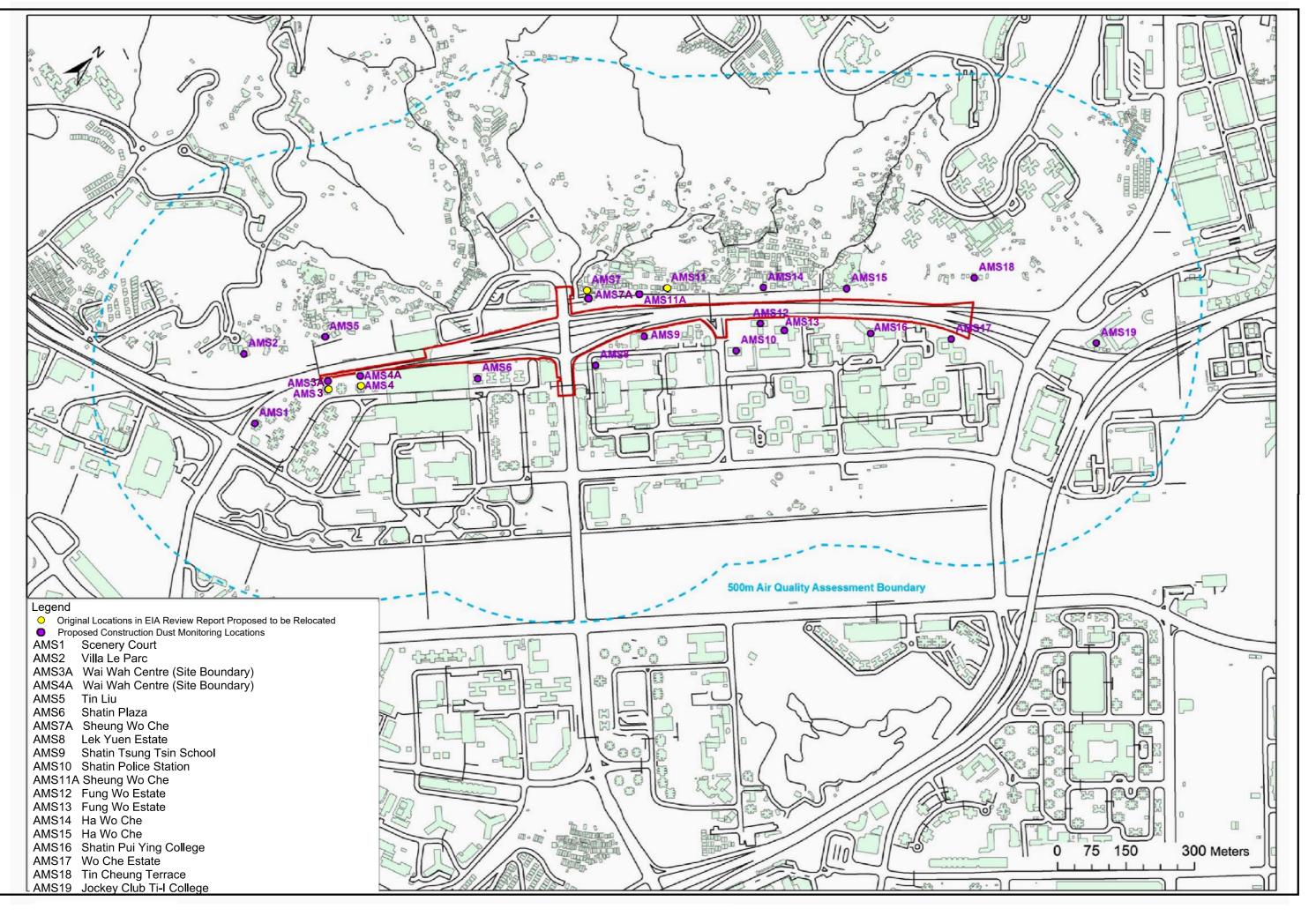


Figure 2a Air Quality Monitoring Locations



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Figure 2b

**Noise Monitoring Locations** 

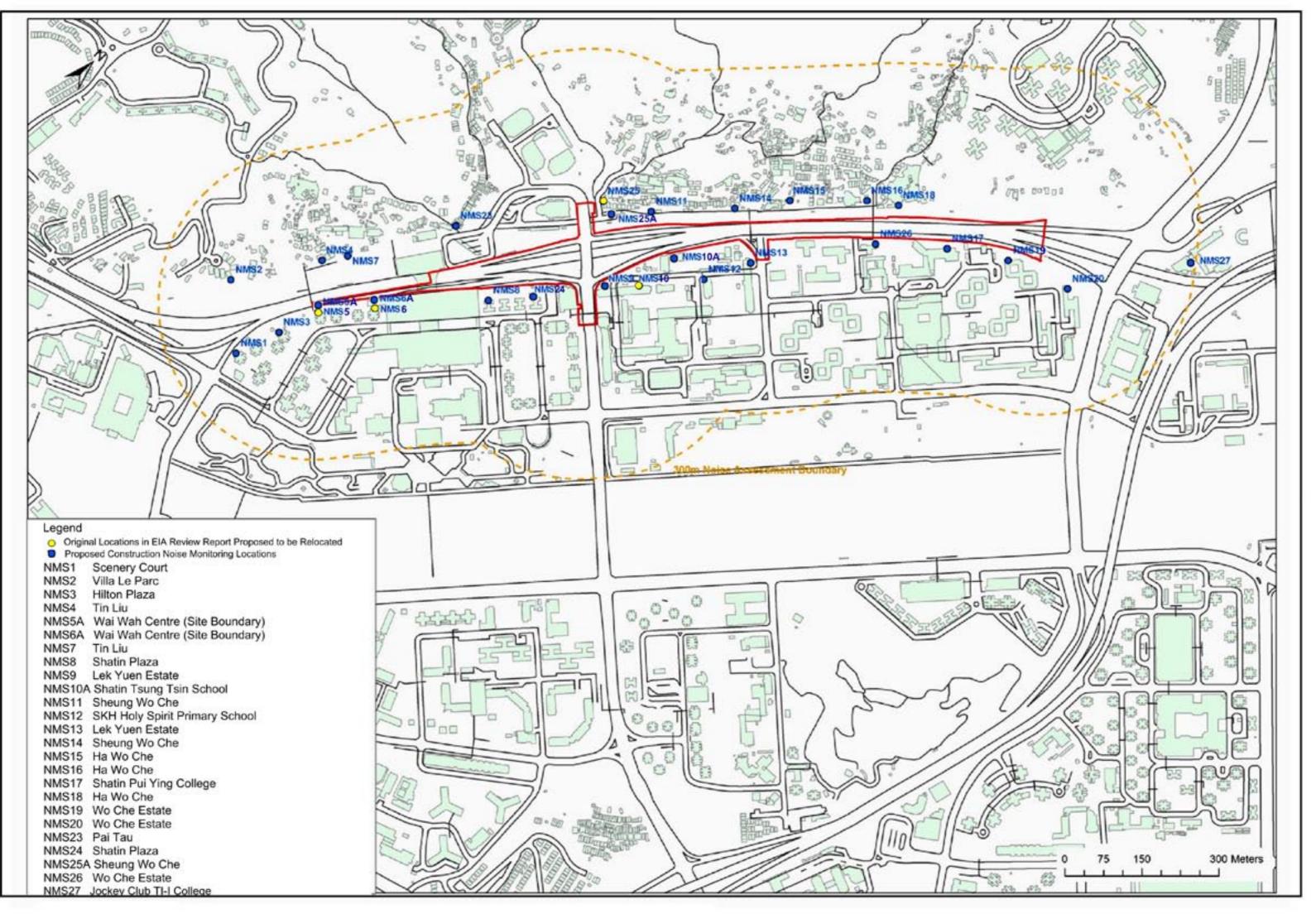


Figure 2b Noise Monitoring Locations

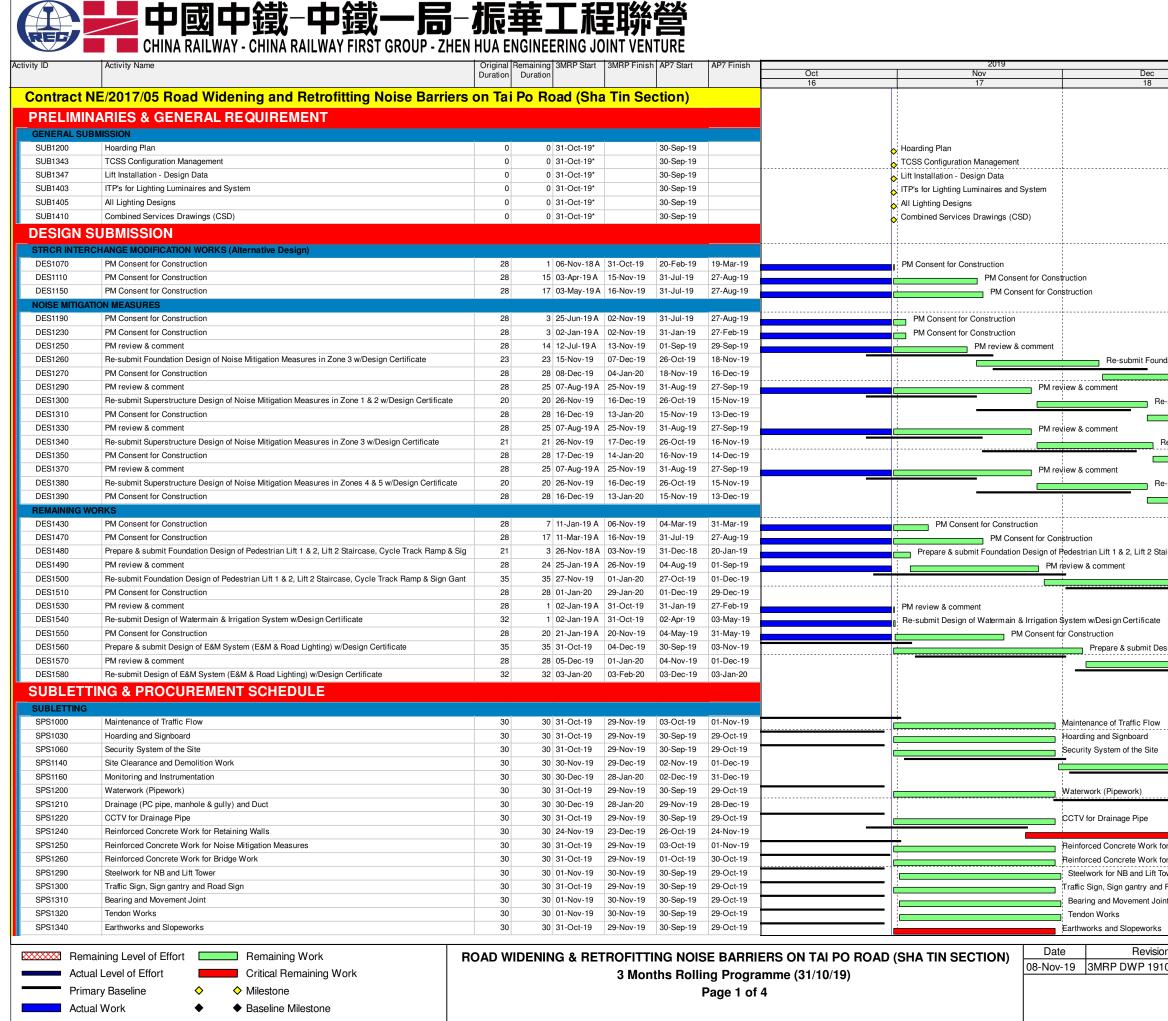


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Appendix A

**Construction Programme** 



			08	-Nov-19
			2020 Jan	Feb
			19	20
ation Design o	of No	se Mitigati	on Measures in Zone 3 w/Design Ce	rtificate
		PM	Consent for Construction	
submit Supers	struc	ure Design	of Noise Mitigation Measures in Zo	-
			PM Consent for Construct	ion
e-submit Supe	rstru	cture Desig	gn of Noise Mitigation Measures in Z	
			PM Consent for Construct	ction
aubmit Supara	++++++		of Naiaa Mitigatian Magauraa in Za	noo 1 8 E w/Dooigr
Submit Supers	struc	ure Design	of Noise Mitigation Measures in Zo PM Consent for Construct	
rcase, Cycle 1	Track	Ramp & S	ign Gantry w/Design C	
		Re-subr	nit Foundation Design of Pedestrian	Lift 1 & 2, Lift 2 Sta
	•		ŀ	PM Consent for Co
ign of E&M Sy	stem		oad Lighting) w/Design Certificate	
		PM revie	ew & comment	
				Re-submit
	Si	te Clearand	ce and Demolition Work	
			Me	onitoring and Instru
			Dr	ainage (PC pipe, n
- Reinfo	rced	Concrete	Nork for Retaining Walls	
r Noise Mitigat			and a second sec	
r Bridge Work				
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		necked	Approved	
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ivity ID	Activity Name		Remaining 3MRP Start	3MRP Finis	h AP7 Start	AP7 Finish		2019	
		Duration	Duration				Oct 16	<u>Nov</u> 17	Dec 18
SPS1350	Landscaping and Tree Felling	30	30 31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19			Landscaping and Tree Felling
SPS1360	Irrigation System	30	30 31-Oct-19	29-Nov-19	30-Sep-19	29-Oct-19			Irrigation System
SPS1420	Lighting System for Noise Mitigation Measures	30	30 01-Nov-19	30-Nov-19	30-Sep-19	29-Oct-19			Lighting System for Noise Mi
SPS1440	Drainage for Noise Mitigation Measures	30	30 01-Nov-19	30-Nov-19	30-Sep-19	29-Oct-19			Drainage for Noise Mitigation
SPS1460	Waterproofing (Bitumen Paint)	30	30 22-Nov-19	21-Dec-19	25-Oct-19	23-Nov-19			, 
WORK BE	ETWEEN SHING MUN TUNNELS ROAD AND FOOT BR	IDGE NF71	A (ZONE 1)						
PRELIMINARIE									
SUMMARY PRO					1				
Z1SU1030	Zone 1 Stage 1 RSE1 CM foundation	326	326 04-Nov-19	07-Dec-20	04-Nov-19	05-Nov-20			***************************************
Z1SU1032 UTILITIES DIVE	Zone 1 Stage 1 R1 structure R1-01 to 08	307	307 29-Nov-19	11-Dec-20	04-Nov-19	05-Dec-20			
CENTRAL BA									
Z1 1300	UU_CLP-abandoned 33kv cable for RSE1 CH1190-1300 110m	20	20 19-Nov-19	12-Dec-19	06-Nov-19	28-Nov-19			UU CLP-
	ER AND SEMFENCLOSURE	20	20 10 100 10	12 000 10	00 1107 10	20110110			
PILE FOUNDAT									
NORTHBOUN	D								
Z1_1510	R1_site investigation for R1-02P (1nr)	5	5 05-Feb-20	11-Feb-20	31-Jan-20	05-Feb-20			
CENTRAL BA	RRIER								
Z1_1490	RSE1_site investigation for RSE1-01P to 03P (5nr)	15	15 04-Nov-19*	20-Nov-19	04-Nov-19	20-Nov-19		RSE1_site	e investigation for RSE1-01P to 03
Z1_1500	RSE1_mini piles for RSE1-01P to 03P (22nr ver)	55	55 05-Dec-19	13-Feb-20	05-Dec-19	13-Feb-20			
	AND REMAINING WORKS								
GEOTECHNIC									
NORTHBOUN									
Z1_1320	Zone 1_fill replacement by no-fines concrete 7SW-D/FF156 (open excavation) NB_R1	52	52 29-Nov-19*	05-Feb-20	04-Nov-19	07-Jan-20			
WORK BE	ETWEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA	(ZONE 2)							
PRELIMINARIE	ES WORKS								
SUMMARY PRO									
Z2SU1000	Construction Zone 2_Stage 1 RSE2 CM foundation	594	508 10-Jul-19 A	20-Jul-21	08-Aug-19	10-Aug-21			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	ER AND SEMFENCLOSURE								
PILE FOUNDAT									
Z2 1000	RSE2_site investigation for RSE2-13P & 15P (21nr)	55	55 21-Nov-19	20 Jan 20	21-Nov-19	20 Jan 20			
			55 21-100-19	30-Jan-20	21-1000-19	30-Jan-20			
	ETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (2	20NE 3)							
PRELIMINARIE									
SUMMARY PRO		05.4		00 N 00	aa 0 10	10.11.00			
Z3SU5000	Zone 3a (TPR area) Stage 1 RW6, RW7 & SR4	354	315 12-Jul-19A		02-Sep-19	10-Nov-20			***************************************
Z3SU5030 Z3SU5050	Zone 3b (near SR6) Stage 1 Construct N263 & N264 foundation Zone 3b (near SR6) Stage 1 SE5, SE8, SR6 foundation and N262 bridge	393	339 20-May-197 369 01-Nov-19		31-Jul-19 01-Nov-19	23-Nov-20 02-Jan-21			
Z3SU5100	Zone 3c (near SR3) Stage 1 construct NS30, RW1, SR2 foundation & RW3	311	316 11-Jun-19 A		16-Sep-19	30-Sep-20			
UTILITIES DIVE		011		20 1107 20	10 000 10	00 000 20			******
SOUTHBOUN	D								·
Z3_2900	UU_CLP-abandoned 33kv cable for SE5 & SE6 CH2090-2175 85m	17	17 04-Dec-19	24-Dec-19	02-Nov-19	22-Nov-19			
NOISE BARRIE	ER AND SEMFENCLOSURE			).					
PILE FOUNDA	TION WORKS								
SOUTHBOUN	D								
Z3_1522	SE1-5_site investigation for S1E5-51 (1nr)	5		24-Jan-20	17-Dec-19	23-Dec-19			
Z3_1530	SE1-6_site investigation for S1E6-51P (1nr)	5		03-Feb-20	23-Dec-19	31-Dec-19			
Z3_5630	SE2_site investigation for S2E1-52P (2nr)	10	10 07-Jan-20	18-Jan-20	05-Dec-19	17-Dec-19			
Z3_5640	SE2_mini piles for S2E1-52P (12nr raking, 11nr ver)	58	58 05-Feb-20*	17-Apr-20	03-Jan-20	14-Mar-20			
SOUTHBOUN		5	5 01 Nev 10*	00 Nev 10	01 Nev 10	00 Nev 10			
Z3_1720 Z3 1730	SE8-1_site investigation for SR6 1-B (1nr) SE8-1 mini piles for SR6 1-B (8nr)	5 32		06-Nov-19 14-Feb-20	01-Nov-19 18-Dec-19	06-Nov-19 30-Jan-20		SE8-1_site investigation for SR6	-1-В (1nr)
_	Ster L mini piles for SH6 1-B (Birr)	32	32 06-Jan-20	14-Feb-20	18-Dec-19	30-Jan-20			
UTILITIES DIV									
NORTHBOU									
Z3_2910	UU CLP-abandoned 11kv cable for RW6 CH1675-1725 50m	13	13 31-Oct-19	14-Nov-19	30-Sep-19	16-Oct-19		UU CLP-abandoner	d 11kv cable for RW6 CH1675-17
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34 01-Nov-19	10-Dec-19	02-Oct-19	11-Nov-19			UU_HKT-div
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22 15-Nov-19	10-Dec-19	17-Oct-19	11-Nov-19			UU_CLP-aba
Z3_3130	UU_Fresh watermain for SR4 178m 200mm	30	9 22-Jul-19 A	29-Nov-19	30-Sep-19	05-Nov-19			UU_Fresh watermain for SR4
SOUTHBOU	ND								
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127 31-Oct-19	02-Apr-20	09-Oct-19	11-Mar-20			
Z3_3050	UU_CLP-abandoned 11kv cable for SR2 & N263 CH1710-1950 240m	35	35 03-Dec-19	16-Jan-20	09-Nov-19	20-Dec-19			
Z3_3060	UU_GAS-diversion LP pipe for SR2 & N263 CH1640-1850 210m	51	51 14-Nov-19	16-Jan-20	22-Oct-19	20-Dec-19			
Z3_3070	UU_HKT-diversion cable for SR2 & N263 CH1630-1840 210m	39	39 28-Nov-19	16-Jan-20	05-Nov-19	20-Dec-19			
Z3_3100	UU_HKBN-slew cable for N262 CH1800-1810 10m	1	1 31-Oct-19	31-Oct-19	31-Oct-19	31-Oct-19		UU_HKBN-slew cable for N262 CH1800-1	1810 10m
Rem	aining Level of Effort	BOAD W					ERS ON TAI PO ROAI		Date Revision
	al Level of Effort Critical Remaining Work						mme (31/10/19)	08-Nr	ov-19 3MRP DWP 1910
	ç			0 100					
Prim	ary Baseline al Work al Work Al Work Al Baseline Milestone			0 100		Page 2 of			

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			19	20
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Mitigation Meas	ures			
	ares			
on Measures				
Waterpro	ofing	(Bitumen F	aint)	
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-abandoned 33	kv c	able for RS	E1 CH1190-1300 110m	
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AD (5.)				
3P (5nr)				
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				Zone 1
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UU_(	CLP-	abandoned	33kv cable for SE5 & SE6 CH2090	2175 85m
<u></u>				ite investigation for
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				SE1-6_site
		. =	SE2_site investig	ation for S2E1-52P
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705 50				
725 50m				- I
version cable fe	or R	N7 CH1830	-2000 170m	- I
andoned 11kv	cable	e for RW7 &	SR4 CH1825-1950 125m	
4 178m 200mm				
			UU_CLP-abandoned	11ky cable for SD
	-			
			UU_GAS-diversion	LP pipe for SR2 & N
_			UU_HKT-diversion	able for SR2 & N26
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y ID A	ctivity Name	Original	Remaining 3MRP Start	3MRP Finis	n AP7 Start	AP7 Finish		2019		
		Duration	Duration				Oct 16	Nov 17		Dec 18
_	IU_GAS-diversion LP pipe for N263 CH1825-1960 135m	38		16-Jan-20	06-Nov-19	20-Dec-19				
_	IU_Fresh watermain for Staircase & N263 150PE	23		16-Jan-20	23-Nov-19	20-Dec-19				
Z3_5680 U	IU_Construct combine UU trough between cycle track and RW1 Stage 1	60	60 04-Nov-19*	15-Jan-20	04-Nov-19	15-Jan-20				
	NABUTMENT WALL AT NHA									
	IAW-1 construct ELS & piling platform	42	25 29-Jul-19 A	29-Nov-19	30-Sep-19	19-Nov-19				NAW-1 construct ELS & pil
	IAW-1_site investigation (2nr)	10		11-Dec-19	31-Oct-19	12-Nov-19			_	NAW-1
_	IAW-1 piling works for new NHA wall (23nr socket H-pile)	161		18-Jul-20	28-Nov-19	17-Jun-20				
_	IAW-2_construct ELS & piling platform	42	42 31-Oct-19	18-Dec-19	30-Sep-19	19-Nov-19				
Z3_4155 N	IAW-2_site investigation (2nr)	10	10 11-Dec-19	23-Dec-19	12-Nov-19	23-Nov-19			-	
Z3_4160 N	IAW-2_piling works for new NHA wall (16nr socket H-pile)	112	112 11-Jan-20	01-Jun-20	10-Dec-19	02-May-20				
MODIFICATION EX	ISTING PIER WALL OF N263									
Z3_3870 S	AW-1_piling works for new south abutment wall (3nr 1.5m bored pile)	42		09-Mar-20	20-Dec-19	14-Feb-20				
	AW-2 & 3_piling works for new south abutment wall (4nr 1.5m bored pile)	56			16-Oct-19	20-Dec-19				
_	AW-2 & 3_pile testing	28	28 16-Jan-20	13-Feb-20	20-Dec-19	17-Jan-20				
MODIFICATION OF		10		17.0 10	00.11 40	17.0.10			_	
_	02_piling works 4nr mini pile	16		17-Dec-19 28-Nov-19	29-Nov-19	17-Dec-19 28-Nov-19				
_	03_piling works 7nr mini pile 03 ELS & pile cap construction	30		03-Mar-20	01-Nov-19 30-Dec-19	28-1NOV-19 06-Feb-20				Q03_piling works 7nr mini p
NEW SLIP ROAD 2			30 29-Jan-20	03-11121-20	30-Dec-19	06-Feb-20				
	R2-1_site investigation (3nr)	15	10 11-Jun-19 A	07-Jan-20	15-Oct-19	31-Oct-19		<b>_</b>		
ETAINING WALL &		10		07 0411 20	10 000 10	01 000 10				
RETAINING WALL										
	W1 demolish existing retaining structure between Bay 101 and Bay 104	45	45 16-Jan-20	11-Mar-20	16-Jan-20	11-Mar-20				
RETAINING WALL										
Z3_1218_1000 R	W6_ELS works for Bay 601 to Bay 606 (45m_2 side)	25	19 12-Jul-19A	06-Dec-19	02-Sep-19	02-Oct-19				RW6_ELS work
Z3_1218_1010 R	W6_base slab construction for Bay 601 to Bay 606	48	48 15-Nov-19	13-Jan-20	17-Oct-19	11-Dec-19				·
Z3_1218_1020 R	W6_retaining wall construction for Bay 601 to Bay 606	72	72 13-Dec-19	12-Mar-20	14-Nov-19	12-Feb-20				
Z3_1218_1040 R	W6_soldier pile wall & ELS for Bay 607 to Bay 614 (52nr)	58	58 15-Nov-19*	24-Jan-20	17-Oct-19	23-Dec-19				
Z3_1218_1050 R	W6_base slab construction for Bay 613 & Bay 614	16	16 14-Jan-20	04-Feb-20	12-Dec-19	02-Jan-20				
RETAINING WALL	NO.7									
	W7_ELS works for Bay 706 to Bay 711 (54m_2 side)	30		28-Apr-20	02-Mar-20	06-Apr-20		<b></b>		
	W7_soldier pile wall & ELS for Bay 701 to Bay 705 (62nr)	69		06-Mar-20	12-Nov-19	06-Feb-20				
	W7_base slab construction for Bay 701 & Bay 704	32	32 08-Feb-20	16-Mar-20	07-Jan-20	15-Feb-20				
	RETAINING WALL SR4	10	40 04 Day 40	40 1 00	05 Nov 40	00 Day 40				
_	R4_ELS works for Bay SR401 to Bay SR405 (90m_1 side)	13		10-Jan-20	25-Nov-19	09-Dec-19				
_	R4_base slab construction for Bay SR401 to Bay SR405	20		10-Feb-20	13-Dec-19	08-Jan-20			-	
	R4_ELS works for Bay SR406 to Bay SR409 (80m_1 side)	11		23-Dec-19 14-Jan-20	12-Nov-19	23-Nov-19 12-Dec-19				
_	R4_base slab construction for Bay SR406 to Bay SR409 R4_retaining wall construction for Bay SR406 to SR409	24		14-Jan-20 14-Feb-20	25-Nov-19 13-Dec-19	12-Dec-19 13-Jan-20				
		24	24 10 0411 20	1410020	10 200 10	10 0011 20				
	emolish existing subway & construct NS30	160	160 16-Jan-20	01-Aug-20	16-Jan-20	01-Aug-20				
	VEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4)			of they are		511 log 10				
RELIMINARIES W										
SUMMARY PROGRA	amme ione 4 Stage 1 SE6 51 to 57	154	154 04 Dec 10	07-Jul-20	22-Nov-19	00. 1.00				
	ione 4 Stage 1 NB & SB foundation	450		10-Jun-21	06-Nov-19	03-Jun-20 14-May-21				
	one 4 NF66 Construction	230		14-Oct-20	06-Jan-20	14-May-21 14-Oct-20				****
	one 4 NF40 Construction	387	375 12-Oct-19 A		06-Jan-20	28-Apr-21				
JTILITIES DIVERSIO		001		0210021	00 0011 20	20740121			******	*****
NORTHBOUND										
	IU_CLP-abandoned 33kv cable for N4&SE6 CH2150-2160 20m (Abandoned)	0	0 22-Jan-20	22-Jan-20	18-Dec-19	18-Dec-19				
	U_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5 31-Oct-19	05-Nov-19	30-Sep-19	05-Oct-19		UU HKT-slew cable for	N4 & NF66 C	H2320-2360 40m
	U_HKT-slew cable for SE6 CH2180-2300 120m	14	14 06-Jan-20	22-Jan-20	02-Dec-19	18-Dec-19				
Z4_1490 U	IU_Fresh watermain for N4 CH2300-2550 250m 600mm (Additional)	120	120 04-Nov-19*	30-Mar-20	04-Nov-19	30-Mar-20				1
Z4_1500 U	IU_Fresh watermain for N4 CH2000-2100 100m 200mm (Additional)	60	60 29-Nov-19	14-Feb-20	06-Nov-19	17-Jan-20				
SOUTHBOUND									_	
Z4_1340 U	IU_CLP-slew 132kv cable for NF40 CH2090-2175 85m	10	10 31-Oct-19	11-Nov-19	30-Sep-19	12-Oct-19		UU_CLP-slew	132kv cable	for NF40 CH2090-2175 85
Z4_1350 U	IU_CLP-slew 11kv cable for NF40 CH2120-2150 30m	4	4 31-Oct-19	04-Nov-19	30-Sep-19	04-Oct-19		UU_CLP-slew 11kv cable	for NF40 CH	l2120-2150 30m
Z4_1370 U	IU_Fresh watermain for SE6 CH2130-2150 20m	21	21 29-Nov-19	24-Dec-19	29-Oct-19	22-Nov-19	-		•	
	ND SEMFENCLOSURE									
ILE FOUNDATION	WORKS									
SOUTHBOUND										
	E6_site investigation for S6E1-51P (2nr)	10		08-Jan-20	22-Nov-19	04-Dec-19				
	E6_mini piles for S6E1-51P (10nr ver)	40	40 22-Jan-20	12-Mar-20	18-Dec-19	10-Feb-20				
PILE CAP AND FOO										
SOUTHBOUND									1 -	
🐹 Remainir	ng Level of Effort Remaining Work	ROAD W	IDENING & RE	TROFITT	ING NOIS	SE BARRIE	RS ON TAI PO ROAD	(SHA TIN SECTION)	Date	
Actual Le	evel of Effort Critical Remaining Work						nme (31/10/19)	,	08-Nov	-19 3MRP DWP 19
Primary I	-			2.1101		Page 3 of 4				
						raye 5 014	r			
Actual W	ork - Racolino Miloctono	1							1	

				2020 Ian		Feb
-				19 UU_GAS-divers	sion L	20 P pipe for N263 C
-						for Staircase & N
				UU_Construct co	mbine	e UU trough betwe
ig platform						
te investigation	(2nr	)				
NAW-2_const	ruct	ELS & pilinę	g platform			
NAW-2	2_site	e investigati	ion (2nr)			
-				SAW-2 & 3_pilir	ng wor	ks for new south
						1 1 1
C02_piling work	ks 4r	r mini pile				
e	_					
			SR2-1_site	investigation (3nr)		
for Bay 601 to E	Bay 6	06 (45m_2				
			F	W6_base slab con	struct	ton for Bay 601 to
				RW	/6_so	dier pile wall & E
						RW6_bas
						1 
			\$ <b>B</b> 4	ELS works for Bay \$	SB/01	to Bay SB405 (9
					51140	to bay of 1400 (0
SR4_E	ELS	vorks for Ba	ay SR406 to	Bay SR409 (80m_		1
				SR4_base slab co	nstruc	tion for Bay SR40
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				I UU_C	LP-ab	andoned 33kv cal
				UU_H	KT-sle	w cable for SE6 0
				-		
						¦
UU_I	Fres	h watermair	n for SE6 CH	12130-2150 20m		
			SE6_site	investigation for S	6E1-5	1P (2nr)
n	С	hecked		Approve	əd	
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ctivity ID	Activity Name	Original		3MRP Start	t 3MRP Finish	AP7 Start	AP7 Finish		2019	
		Duration	Duration	1				Oct 16	<u>Nov</u> 17	Dec 18
Z4 1122	SE6 ELS for footing/cap construction S6E1-51P to S6E1-57 (86m 2 side)	48	48	22-Jan-20	21-Mar-20	18-Dec-19	19-Feb-20	16	17	18
	STRUCTURE WORKS			EE Guil EG	ET Mar EU	10 000 10	101 00 20			
	N WORKS FOR NF40							h		1
NF40 1000	Construct new staircase	120	108	12-Oct-19 A	11-Mar-20	06-Jan-20	03-Jun-20	·		
	v WORKS FOR NF66	120	100	12 000 1070	11 11101 20	00 04.1 20	00 0011 20			1
NF66 1000	ELS & footing construction	50	50	06-Jan-20*	06-Mar-20	06-Jan-20	06-Mar-20	1		
_	TWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE S									
PRELIMINARIE		<u>, , , , , , , , , , , , , , , , , , , </u>								
								1		
Z5SU1000	Zone 5 Stage 1 SE3-2 SB foundation	291	291	18-Nov-19	10-Nov-20	18-Nov-19	10-Nov-20	1	N N N N N N N N N N N N N N N N N N N	
Z5SU1005	Zone 5 Stage 2 NB & SB foundation	482	482	04-Nov-19	23-Jun-21	04-Nov-19	23-Jun-21			
PREPARATOR	•					1				*****
MODIFICATIO	N EXISTING ROAD/TEMPORARY ROAD									
Z5_1720	Zone 5-1_construct temporary road platform along Northbound	45	45	03-Jan-20	28-Feb-20	03-Jan-20	28-Feb-20	1		
NOISE BARRIE	ER AND SEMI-ENCLOSURE									
PILE FOUNDAT										
SOUTHBOUN	D									
Z5_1990	SE3-2_site investigation for S3E2-61P (2nr)	10	10	18-Nov-19*	28-Nov-19	18-Nov-19	28-Nov-19			SE3-2_site investigation for S3E2
Z5_2000	SE3-2_mini piles for S3E2-61P (8nr ver)	32	32	13-Dec-19	22-Jan-20	13-Dec-19	22-Jan-20			
PILE CAP AND	FOOTING									
SOUTHBOUN	D									
Z5_1230	SE3-2_ELS for footing construction S3E2-51 to S3E2-60 (131m_2 side)	73	73	13-Dec-19	13-Mar-20	13-Dec-19	13-Mar-20			
PORTION	E (ZONE 5)									
PRELIMINARIE	ES WORKS									
SUMMARY PRO	OGRAMME									
TPR NORTHB	OUND									
PESU1000	Construction Zone 5 Portion E_Northbound structure	493	493	29-Nov-19	02-Aug-21	04-Nov-19	05-Jul-21		X	*****
UTILITIES DIVE	ERSION									
NORTHBOUN	D									
Z5E_1180	UU_Fresh watermain for R5 & R6 CH2750-2845 115m 150mm	52	52	29-Nov-19*	05-Feb-20	04-Nov-19	07-Jan-20			
NOISE BARRIE	ER AND SEMFENCLOSURE			·	·	·	·		-	
PILE FOUNDAT	TION WORKS									
NORTHBOUN	ID SLIP ROAD							1		
Z5E_1000	R6_site investigation for R6-02P (6nr)	30	30	05-Feb-20	11-Mar-20	07-Jan-20	14-Feb-20			

××××××	Remaining Level of Effort		Remaining Work	ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)	Date	Revision
	•		Ũ		08-Nov-19	3MRP DWP 1910
	Actual Level of Effort		Critical Remaining Work	3 Months Rolling Programme (31/10/19)		
	Primary Baseline	\diamond	♦ Milestone	Page 4 of 4		
	Actual Work	•	◆ Baseline Milestone			
	Actual Work	•	 Baseline Milestone 			

		2020	
		Jan 19	Feb 20
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3E2-61P (2nr)			
		SE3-2_mini	piles for S3E2-61
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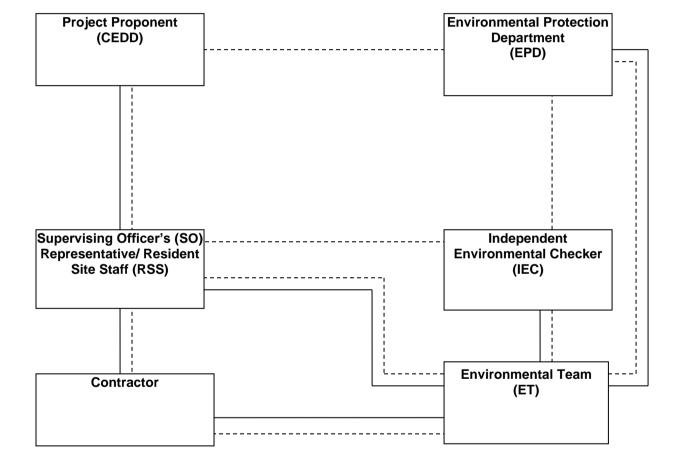


Appendix B

**Project Organization Chart** 

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Legen	d:
	Line of Reporting
	Line of Communication

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Appendix C

Action and Limit Levels for Air Quality and Noise

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



#### Action and Limit Levels for 24-hr TSP and 1-hr TSP

Parameter	Monitoring Station	Action Level (µg/m³)	Limit Level (µg/ m³)
	AMS 3A	200	
24-hr TSP	AMS 6	165	260
(µg/m³)	AMS 7A	171	200
	AMS 12	168	
	AMS 3A	350	
1-hr TSP	AMS 6	347	500
(µg/m³)	AMS 7A	344	500
	AMS 12	296	

#### Action and Limit Levels for Construction Noise, Leq (30min), dB(A)

Time Period	Location	Action	Limit
0700-1900 hrs on normal weekdays	NMS1 NMS2 NMS3 NMS4 NMS5A NMS6A NMS7 NMS6A NMS7 NMS10A* NMS10A* NMS10A* NMS10A* NMS10A* NMS12* NMS11 NMS12* NMS13 NMS14 NMS15 NMS16 NMS15 NMS16 NMS15 NMS16 NMS17* NMS18 NMS19 NMS20 NMS23 NMS24 NMS25A NMS26 NMS26 NMS27*	When one documented complaint is received	75 dB(A)

* For NMS 10A, 12, 17 and 27, the Limit Level is reduced to 70 dB(A) for schools and 65 dB(A) during school examination periods.

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Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



Appendix D

**Calibration Certificates of Monitoring Equipment** 



SIBATA SCIENTIFIC TECHNOLOGY LTD.

1-1-62, Nakane, Soka, Saitama, 340-0005 Japan TEL: 048-933-1582 FAX: 048-933-1591

# **CALIBRATION CERTIFICATE**

Date: August 28th, 2019

Equipment Name	:	Digital Dust Indicator, Model LD-5R
Code No.	:	080000-72
Quantity	:	1 unit
Serial No.	:	882148
Sensitivity	:	0.001 mg/m3
Sensitivity Adjustment	:	618
Scale Setting	:	August 23rd, 2019

We hereby certify that the above mentioned instrument has been calibrated satisfactory.

Sincerely

#### SIBATA SCIENTIFIC TECHNOLOGY LTD.

long Zhang

Tong Zhang Overseas & New Business Group Overseas Sales Department



# TEST CERTIFICATE

# CUSTOMER : INNOTECH INSTRUMENTATION CO., LTD.

Report No. 19-1506

SIBATA SCIENTIFIC TECHNOLOGY LTD. DATE 27/August /2019

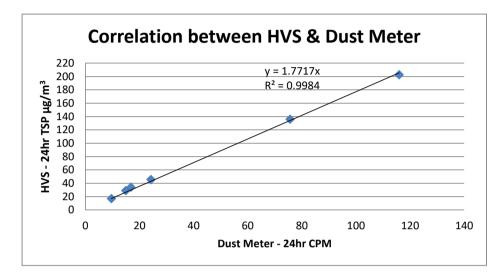


	dicator			
	Digital Dust Indicator			lst -2019
	Digital	LD-5R	882148	23- August -2019
	ME	BER	BER	DATE
	NA	IUMI	IMU	NO
	CT	Z	Z	<b>ATI</b>
1	PRODUCT NAME	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DATE

		Inspection chart		Kelerence Value(S)	ALCO OF	018 CFM	Test atmosphere	Temperature Humidity	20 °C 50 %		
		Correction		+0.4 %	-0.1 %	-0.2 %	-0.2 %				
Judgment	OK	Reading of this	Instrument	810 CPM	2029 CPM	1002 CPM	512 CPM			OK	Good
		Reading of	Master	807 CPM	2031 CPM	1004 CPM	513 CPM				
Judging Standard	Switch, Display, Wiring will normally function	Count is $\pm 2\%$ accurate to the master by the	standard calibration particle		Count is $\pm 10\%$ accurate to the master under	the 3 different concentration.		The difference between maximum and minimum	value of sensitivity adjustment scale setting must be 5.0 % or less of maximum value.	(The results of measurement of sensitivity adjustment in 5 times are within this range.)	Synthetic Judgment
Testing Category	Function Test	Sensitivity	Calibration		ntration	Measuring		Reproducibility			

Correlation between HVS & D	ust Meter
Model:	Sibata LD-5R
Serial No:	882148

HVS - 24hr TSP μg/m ³	16.99	28.99	34.06	45.57	135.96	202.64
Dust Meter - 24hr CPM	9.6	14.9	16.8	24.2	75.63	115.96



K factor = 1.772

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Report no.: 940891CA195965(4)

Page 1 of 1

# CALIBRATION CERTIFICATE OF DUST METER

Client : Fugro Technical Services Limited

Project : Calibration Services

#### **Client Supplied Information**

Details of Unit Under Test, UUT

: Laser dust monitor
: SIBATA
: LD-5R
: 620407
: NA
: 11-Jul-2020

#### Laboratory Information

Description	1	Reference balance						
Equipment ID.	:	R-053-12						
Date of Calibration	a 2	12-Jul-2019	Ambient Temperature : 22 °C					
Calibration Location	0	Calibration Laboratory of FTS	3					
Method Used	:	By direct comparison the we	direct comparison the weight of dust particle trapped in a filter paper using high					
		volume sampler (TSP metho	d) for a certain period, with the reading of the UUT. They					
		should be placed at the same	e location and powered on and off at the same time.					

#### Calibration Results :

Reference concentration (mg/m ³ )	Total count for 1 hour	CPM (Count per minute)
0.0678	2058	34.30
0.0424	1276	21.27
0.0364	842	14.03

#### Remarks:

1. The equipment being used in this calibration is traceable to recognized National Standards.

- 2. The interpolation equation : Concentration (mg/m³) = K x [UUT reading (CPM)], where K = 0.002106
- 3. Correlation coefficient (r): 0.9840

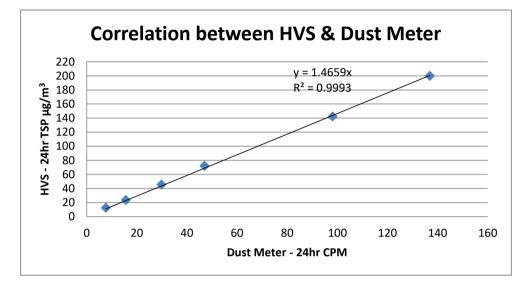
Checked by :	cump	Date :_	19 - 7 - 2019	_Certified by :_	K J. Loung	_ Date :_	20.7-2019
CA-R-297 (22/07/20	V				vok Tai (Assistant		

** End of Report **

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Correlation between HVS & Dust MeterModel:Sibata LD-5RSerial No:620407

HVS - 24hr TSP μg/m ³	12.54	23.56	45.56	72.16	142.35	200.03
Dust Meter - 24hr CPM	7.6	15.6	29.8	46.98	98.1	136.9



K factor = 1.466



SIBATA SCIENTIFIC TECHNOLOGY LTD.

1-1-62, Nakane, Soka, Saitama, 340-0005 Japan TEL: 048-933-1582 FAX: 048-933-1591

# **CALIBRATION CERTIFICATE**

Date: August 28th, 2019

Equipment Name	:	Digital Dust Indicator, Model LD-5R
Code No.	:	080000-72
Quantity	:	1 unit
Serial No.	:	620408
Sensitivity	:	0.001 mg/m3
Sensitivity Adjustment	:	766
Scale Setting	:	August 23rd, 2019

We hereby certify that the above mentioned instrument has been calibrated satisfactory.

Sincerely

#### SIBATA SCIENTIFIC TECHNOLOGY LTD.

Tong Zhang

Tong Zhang Overseas & New Business Group Overseas Sales Department



# TEST CERTIFICATE

# CUSTOMER : INNOTECH INSTRUMENTATION CO., LTD.

Report No. 19-1503

SIBATA SCIENTIFIC TECHNOLOGY LTD. DATE 27/August /2019

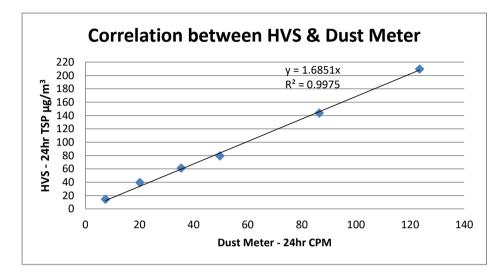


PRODUC'	PRODUCT NAME	•••	Digital	Dust	Digital Dust Indicator
MODEL	MODEL NUMBER		LD-5R		
SERIAL	SERIAL NUMBER		620408		
CALIBRA	CALIBRATION DATE		23- August -2019	ust -20	61

		Inspection chart		Keterence Value(S)	ALUC COL	100 CFM	Test atmosphere	Temperature Humidity	20 °C 50 %		
		Correction		-0.4 %	-0.2 %	-1.7 %	-1.2 %				
Judgment	OK	Reading of this	Instrument	802 CPM	2026 CPM	987 CPM	507 CPM			OK	Good
		Reading of	Master	805 CPM	2031 CPM	1004 CPM	513 CPM				
Judging Standard	Switch, Display, Wiring will normally function	Count is $\pm 2\%$ accurate to the master by the	standard calibration particle		Count is $\pm 10\%$ accurate to the master under	the 3 different concentration.		The difference between maximum and minimum	value of sensitivity adjustment scale setting must be 5.0 % or less of maximum value.	(The results of measurement of sensitivity adjustment in 5 times are within this range.)	Synthetic Judgment
Testing Category	Function Test		Calibration		ntration	Measuring		Reproducibility			

Correlation between HVS & Dust MeterModel:Sibata LD-5RSerial No:620408

HVS - 24hr TSP μg/m ³	14.56	39.65	61.24	79.47	143.67	209.65
Dust Meter - 24hr CPM	7.4	20.1	35.4	49.7	86.4	123.5



K factor = 1.685

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Report no.: 940891CA195965(2)

Page 1 of 1

# CALIBRATION CERTIFICATE OF DUST METER

Client : Fugro Technical Services Limited

Project : Calibration Services

#### **Client Supplied Information**

Details of Unit Under Test, UUT

Description	: Laser dust monitor
Manufacturer	: SIBATA
Model No.	: LD-5R
Serial No.	: 620480
Specification Limit	: NA
Next Calibration Date	: 11-Jul-2020

#### Laboratory Information

Description	:	Reference balance				
Equipment ID.	а А	R-053-12				
Date of Calibration	:	12-Jul-2019	Ambient Temperature : 22 °C			
Calibration Location	:	Calibration Laboratory of FTS	3			
Method Used	÷	By direct comparison the wei	ight of dust particle trapped in a filter paper using high			
		volume sampler (TSP method) for a certain period, with the reading of the UUT. They				
		should be placed at the same	e location and powered on and off at the same time.			

#### Calibration Results :

Reference concentration (mg/m ³ )	Total count for 1 hour	CPM (Count per minute)
0.0678	2272	37.87
0.0424	1453	24.22
0.0364	1073	17.88

#### Remarks:

1. The equipment being used in this calibration is traceable to recognized National Standards.

- 2. The interpolation equation : Concentration (mg/m³) = K x [UUT reading (CPM)], where K = 0.001833
- 3. Correlation coefficient (r): 0.9910

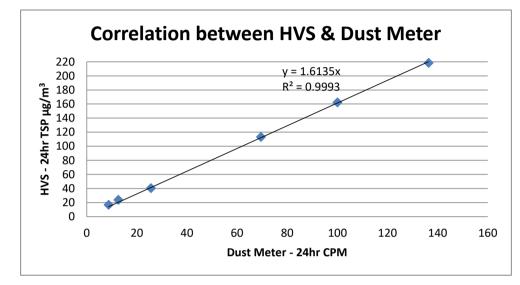
Date : <u>19-7-2019</u> Certified by : <u>K Toung</u> Date : <u>>0-7->019</u> Leung Kwok Tai (Assistant Manager) Checked by : _____ CA-R-297 (22/07/2009)

** End of Report **

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Correlation between HVS & Dust MeterModel:Sibata LD-5RSerial No:620480

HVS - 24hr TSP μg/m ³	16.77	23.86	40.44	113.26	162.32	218.48
Dust Meter - 24hr CPM	8.7	12.6	25.6	69.5	100.02	136.4



K factor = 1.614

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Report no.: 183057CA196181

### **CALIBRATION CERTIFICATE OF SOUND LEVEL METER**

Page 1 of 1

**Client Supplied Information** 

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT

Description

: Sound Level Meter

Manufacturer	: Ca	asella		
		Meter	Microphone	Preamplifier
Model No.		CEL-63X	CE-251	CEL-495
Serial No.	:	1488272	02552	003942

Next Calibration Date : 01-Oct-2020

Specification Limit EN 61672: 2003 Type 1

#### Laboratory Information

Details of Reference Equipment -

Description		B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)			
Equipment ID.	:	R-108-1			
Date of Calibration	:	02-Oct-2019 Ambient Temperature : 22 °C			
Calibration Location	:	Calibration Laboratory of FTS			
Method Used	:	By direct comparison			

#### Calibration Results :

Parame	ters	Mean Value (dB)	Specific	Specification Limit(dB)			
	4000Hz	2.0	2.6	to	-0.6		
	2000Hz	1.4	2.8	to	-0.4		
	1000Hz	0.0	1.1	to	-1.1		
A-weighting frequency response	500Hz	-3.4	-1.8	to	-4.6		
	250Hz	-8.8	-7.2	to	-10.0		
	125Hz	-16.3	-14.6	to	-17.6		
	63Hz	-26.3	-24.7	to	-27.7		
	31.5Hz	-39.3	-37.4	to	-41.4		
Differential level linearity	94dB-104dB	0.0		± 0.6	3		
	104dB-114dB	0.0		± 0.6	6		

**Remarks**:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The equipment does comply with EN 61672: 2003 Type 1 sound level meter for the above measurement.
- 5. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Uncertainties will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by: Date: 4 - 10 -2019	Certified by : KT Kenng Date : 1-10 -2017
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)
**	End of Report **

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Page 1 of 1

Report no.: 183057CA196174

# CALIBRATION CERTIFICATE OF SOUND LEVEL METER

#### **Client Supplied Information**

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT

Description Sound Level Meter Manufacturer Casella Preamplifier Meter Microphone Model No CEL-63X CE-251 **CEL-495** Serial No. 1488287 02695 003984 Next Calibration Date 10-Sep-2020 EN 61672: 2003 Type 1 **Specification Limit** 

#### Laboratory Information

Description : B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting) Equipment ID. : R-108-1

Date of Calibration : 11-Sep-2019 Ambient Temperature : 22 °C

Calibration Location : Calibration Laboratory of FTS

Method Used : By direct comparison

#### Calibration Results :

Parameters		Mean Value (dB)	Specific	Specification Limit(dB)			
	4000Hz	-0.2	2.6	to	-0.6		
	2000Hz	0.7	2.8	to	-0.4		
	1000Hz	-0.1	1.1	to	-1.1		
A-weighting	500Hz	-3.3	-1.8	to	-4.6		
frequency response	250Hz	-8.7	-7.2	to	-10.0		
	125Hz	-16.1	-14.6	to	-17.6		
	63Hz	-26.1	-24.7	to	-27.7		
	31.5Hz	-38.5	-37.4	to	-41.4		
Differential level linearity	94dB-104dB	0.0	± 0.6		3		
	104dB-114dB	0.0		± 0.6			

Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The equipment does comply with EN 61672: 2003 Type 1 sound level meter for the above measurement.
- 5. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Uncertainties will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by :	Date : 18-9-2019 Certified by : 17 Jourg Date : 18-9-2019
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)
	** End of Report **

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Page 1 of 1

Report no.: 183057CA195786

# CALIBRATION CERTIFICATE OF SOUND LEVEL METER

#### **Client Supplied Information**

Client : Fugro Technical Services Ltd.

#### Project : Calibration Services

Details of Unit Under Test, UUT

Description	÷	Sound Level Meter					
Manufacturer	ж ж	Casella					
		Meter	Microphone	Preamplifier			
Model No.		CEL-63X	CE-251	CEL-495			
Serial No.	÷	0873599	02809	003967			
Next Calibration Date		17-Jun-2020					
Specification Limit	20 50	EN 61672. 2003 Type 1					

#### Laboratory Information

Description:B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)Equipment ID.:R-108-1Date of Calibration :18-Jun-2019Ambient Temperature :22 °C

Calibration Location : Calibration Laboratory of FTS

Method Used : By direct comparison

#### Calibration Results :

Parame	ters	Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	1.4	2.6	to	-0.6
	2000Hz	1.3	2.8	to	-0.4
	1000Hz	0.0	1.1	to	-1.1
A-weighting frequency response	500Hz	-3.4	-1.8	to	-4.6
	250Hz	-8.8	-7.2	to	-10.0
	125Hz	-16.2	-14.6	to	-17.6
	63Hz	-26.2	-24.7	to	-27.7
	31.5Hz	-39.2	-37.4	to	-41.4
Differential level	94dB-104dB	0.0		± 0.6	5
linearity	104dB-114dB	0.0		± 0.6	3

#### Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The equipment does comply with EN 61672: 2003 Type 1 sound level meter for the above measurement.
- 5. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Uncertainties will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by :	William	Date :	21-6-2019	Certified by : _	FINDING	Date : 71-6-2019
CA-R-297 (22/07/2009)				Leu	ng Kwok Tai (Assis	stant Manager)

** End of Report **

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Page 1 of 1

Report no.: 183057CA196119

# CALIBRATION CERTIFICATE OF SOUND LEVEL METER

#### **Client Supplied Information**

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT

Description

: Sound Level Meter

Manufacturer	Casella		
	Meter	Microphone	Preamplifier
Model No.	CEL-63X	CE-251	CEL-495
Serial No.	1488270	02374	002748
Next Calibration Date	25-Aug-2020		

Specification Limit : EN 61672: 2003 Type 1

#### Laboratory Information

Description : B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting) Equipment ID. : R-108-1

Date of Calibration : 26-Aug-2019 Ambient Temperature : 22 °C

Calibration Location : Calibration Laboratory of FTS

Method Used : By direct comparison

#### Calibration Results :

Parame	ters	Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	1.5	2.6	to	-0.6
	2000Hz	1.5	2.8	to	-0.4
	1000Hz	0.2	1.1	to	-1.1
A-weighting frequency response	500Hz	-3.1	-1.8	to	-4.6
	250Hz	-8.5	-7.2	to	-10.0
	125Hz	-15.9	-14.6	to	-17.6
	63Hz	-26.0	-24.7	to	-27.7
	31.5Hz	-38.9	-37.4	to	-41.4
Differential level linearity	94dB-104dB	0.1		± 0.6	6
	104dB-114dB	0.0		± 0.6	3

Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The equipment does comply with EN 61672: 2003 Type 1 sound level meter for the above measurement.
- 5. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Uncertainties will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by :	William	Date : <u>5 - 9 - 2019</u> Certified by : <u>6 Journal</u> Date : <u>6 - 9 - 2019</u>
CA-R-297 (22/07/20	09)	Leung Kwok Tai (Assistant Manager)
		** End of Report **

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Page 1 of 1

Report no.: 183057CA195873

# CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

#### **Client Supplied Information**

Client : Fugro Technical Services Ltd.

#### Project : Calibration Services

#### Details of Unit Under Test, UUT

Description	:	Sound Calibrator
Manufacturer	:	Casella (Model CEL-120/1)
Serial No.	:	4358289
Equipment ID	:	N-35
Next Calibration Date	:	25-Jul-2020
Specification Limit	1	EN 60942: 2003 Type 1

#### Laboratory Information

Description	:	Reference Sound level I	meter		
Equipment ID.	:	R-119-1			
Date of Calibrat	ion	: 26-Jul-2019	Ambient Temperature :	22	°C
Calibration Loca	atior	n: Calibration Laborato	ry of FTS		
Method Used	:	By direct comparison			

#### Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)		
94dB	0.1 dB	±0.4dB		
114dB	0.0 dB	±0.40B		

#### Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The equipment does comply with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the values at the time of the test and any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during tranportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

Checked by :	William	Date : 76-7-2019	Certified by :	RT Leung	Date : 76- 7	1-2019
CA-R-297 (22/07/2	009)	/	Leung	Kwok Tai (Assista	ant Manager)	

** End of Report **

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Page 1 of 1

Report no.: 183057CA196350(4)

# CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

#### **Client Supplied Information**

Client : Fugro Technical Services Ltd.

#### Project : Calibration Services

#### Details of Unit Under Test, UUT

Description	:	Sound Calibrator
Manufacturer	:	Casella (Model CEL-120/1)
Serial No.	:	2383707
Equipment ID	:	N/A
Next Calibration Date	:	23-Oct-2020
Specification Limit	:	EN 60942: 2003 Type 1

#### Laboratory Information

Description	:	Reference Sound level	meter		
Equipment ID.	:	R-119-1			
Date of Calibra	tion	: 24-Oct-2019	Ambient Temperature :	22	°C
Calibration Loc	atio	n: Calibration Laborate	ory of FTS		
Method Used	:	By direct comparison			

#### **Calibration Results :**

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	-0.2 dB	±0.4dB
114dB	-0.1 dB	±0.40D

#### **Remarks**:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The equipment does comply with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the values at the time of the test and any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during tranportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

Checked by :	William	Date : 1-11- 2019	Certified by :	F L Loung Date :_	1-11-2019
CA-R-297 (22/07/200	9)		Leung	Kwok Tai (Assistant Manag	ger)

** End of Report **

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



Page 1 of 1

Report no.: 183057CA195577(1)

# CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

#### **Client Supplied Information**

Client : Fugro Technical Services Ltd.

Project : Calibration Services

#### Details of Unit Under Test, UUT

Description	;	Sound Calibrator
Manufacturer	;	Casella (Model no. CEL-120/1)
Serial No.	÷	5230758
Equipment ID	÷	FY-SLC-01
Next Calibration Date	* *	16-May-2020
Specification Limit	÷	EN 60942: 2003 Type 1

#### Laboratory Information

Description	:	Reference Sound level	meter		
Equipment ID.	:	R-119-1			
Date of Calibrat	tion	: 17-May-2019	Ambient Temperature :	22	°C
Calibration Location :		n: Calibration Laborato	ry of FTS		
Method Used		By direct comparison			

#### Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	-0.2 dB	
114dB	-0.2 dB	±0.4dB

#### Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The equipment does comply with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Uncertainties will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by :	William	Date :	17-5-2019	_Certified by : _	C.J. Loung	Date :	18-5-2019
CA-R-297 (22/07/2009	)			Le	ung Kwok Tai (Ass	istant Mar	nager)

** End of Report **

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Page 1 of 1

#### Report no.: 183057CA195873(1)

# CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

#### **Client Supplied Information**

Client : Fugro Technical Services Ltd.

#### Project : Calibration Services

#### Details of Unit Under Test, UUT

Description	:	Sound Calibrator
Manufacturer	:	Casella (Model CEL-120/1)
Serial No.	0	4358251
Equipment ID	3	N-34
Next Calibration Date	1	25-Jul-2020
Specification Limit	;	EN 60942: 2003 Type 1

#### Laboratory Information

Description	1	Reference Sound level	meter		
Equipment ID.	:	R-119-1			
Date of Calibrat	tion	: 26-Jul-2019	Ambient Temperature :	22	°C
Calibration Loca	atior	n: Calibration Laborato	ry of MateriaLab		
Method Used		By direct comparison			

#### Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	-0.1 dB	
114dB	0.0 dB	±0.4dB

#### Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The equipment does comply with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the values at the time of the test and any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during tranportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

William Date: 26-7-2019 Certified by: 17 Joung Date: 16-7-2019 Checked by : CA-R-297 (22/07/2009) Leung Kwok Tai (Assistant Manager)

** End of Report **

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Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



Appendix E

**Environmental Monitoring Schedules and Examination Schedules** 

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1	2
	3	4	5	6	7	8	9
		AMS3A Wai Wah Centre					AMS3A Wai Wah Centre
		AMS6 Shatin Plaza					AMS6 Shatin Plaza
		AMS7A Sheung Wo Che					AMS7A Sheung Wo Che
		AMS12 Fung Wo Estate					AMS12 Fung Wo Estate
		NMS 8, NMS9, NMS 10A, NMS 11, NMS 12,	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS				
		NMS 13, NMS 14, NMS17, NMS 19, NMS 20,					
			23, NMS 27				
	10	11	12	13	14	15	16
						AMS3A Wai Wah Centre	
						AMS6 Shatin Plaza	
Nov-19						AMS7A Sheung Wo Che	
100 15						AMS12 Fung Wo Estate	
					NMS 8, NMS9, NMS 10A, NMS 11, NMS 12,	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS	
					NMS 13, NMS 14, NMS17, NMS 19, NMS 20,		
					NMS 24, NMS 25A, NMS 26	23, NMS 27	
	17	18	19			22	23
					AMS3A Wai Wah Centre		
					AMS6 Shatin Plaza		
					AMS7A Sheung Wo Che		
					AMS12 Fung Wo Estate		
					NMS 8, NMS9, NMS 10A, NMS 11, NMS 12,	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS	
					NMS 13, NMS 14, NMS17, NMS 19, NMS 20,	6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	
	24	25	26		NMS 24, NMS 25A, NMS 26 28		30
	24	25			28	29	30
				AMS3A Wai Wah Centre			
				AMS6 Shatin Plaza			
				AMS7A Sheung Wo Che AMS12 Fung Wo Estate			
				_	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS		
				NMS 8, NMS9, NMS 10A, NMS 11, NMS 12, NMS 13, NMS 14, NMS17, NMS 19, NMS 20,			
					23, NMS 27		
	4. 4 - +			11113 2-7, 11113 23A, 11113 20	25, 11115 27		

Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

3. According to the Hong Kong Observatory, anticipated wind directions in Nov 2019 are north, north east and east.

4. According to the Contractor, the anticipated major construction activities in the reporting month includes:

(1) Trial Pits Excatvation in Zone 1 to 5.

(2) Central median modification in Zone 1 & 2 .

(3) Pre-drilling works in Zone 1, 2 &3.

(4) Retaining wall construction, such as pre-drilling, piling, excavation in Zone 3.

(5) Structure works for staircase in Zone 4.

(6) Bore piling and Underground utilities diversion in Zone 3.

1
AMS4A Wai Wah Centre
AMS6 Shatin Plaza
AMS8 Lek Yuen Estate
AMS15 Ha Wo Che
2
2
2

Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

3. According to the Hong Kong Observatory, anticipated wind directions in Dec 2019 are north and north east.

4. According to the Contractor, the anticipated major construction activities in the reporting month includes:

(1) Trial Pits Excatvation in Zone 1 to 5.

(2) Construct temporary road & site access, such as excavation, sheet piling in Zone 1, 3 &5.

(3) Remove Central median in Zone 1, 2, 4 &5.

(4) Underground utilities diversion, such as sheet pilling, breaking or excavation in Zone 3

(5) Retaining wall construction, such as pre-drilling, piling, excavation in Zone 3.

(6) Bore piling and Underground utilities diversion in Zone 3.

(7) Structure Works for Staircas and RC structure works in Zone 4.

(8) Pre-drilling works and mini pile works in Zone 1 &2.

(9) Foundation of Noise Barrier in Zone 5.

Room 723 & 725, 7/F, Block B,
Profit Industrial Building,
1-15 Kwai Fung Crescent, Kwai Fong,
Hong Kong

Tel : (852)-24508238 Fax : (852)-24508032 Email : mcl@fugro.com



# Project: Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

# **Tentative Regular Night Time Noise Monitoring Schedule (November 2019)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
				Regular night time noise monitoring		
3	4	5	6	7	8	9
				Regular night time noise monitoring		
10	11	12	13	14	15	16
				Regular night time noise monitoring		
17	18	19	20	21	22	23
				Regular night time noise monitoring		
24	25	26	27	28	29	30
				Regular night time noise monitoring		

#### Remarks

- 1. Due to safety concern, two staffs will carry out the night time noise monitoring together at all 21 monitoring stations on the same monitoring night of each week.
- 2. Actual monitoring schedule may be subjected to change due to any safety concern or adverse weather condition.

Room 723 & 725, 7/F, Block B,
Profit Industrial Building,
1-15 Kwai Fung Crescent, Kwai Fong,
Hong Kong

Tel : (852)-24508238 Fax : (852)-24508032 Email : mcl@fugro.com



# Project: Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

# **Tentative Regular Night Time Noise Monitoring Schedule (December 2019)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
				Regular night time noise monitoring		
8	9	10	11	12	13	14
				Regular night time noise monitoring		
15	16	17	18	19	20	21
				Regular night time noise monitoring		
22	23	24	25	26	27	28
					Regular night time noise monitoring	
29	30	31				

#### Remarks

- 1. Due to safety concern, two staffs will carry out the night time noise monitoring together at all 21 monitoring stations on the same monitoring night of each week.
- 2. Actual monitoring schedule may be subjected to change due to any safety concern or adverse weather condition.

# <u> 培英中學2019至2020年度校曆表</u>

		日	1	=	Ξ	四	五	六	假期及注意事項
258		-	_	1	-	19	ш	ハ	版划及江志中項
週次	八月	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(23-24/8)中一適應營
		(25)	(26)	(27)	(28)	(29)	(30)	(31)	
		Sept							(2/9)開學禮
1	九	1	2	3	4	5	6	7	(3/9)正式上課 (6/9)開學崇拜會
2		8	9	10	11	12	13	(14)	(9/9)中一至中四學生開始繳交周記 (10/9)各班拍攝學生相片
_		0	-	10			10	(1.)	(9-13/9)中華文化周 (14/9)中秋節翌日假期
3	月	15	16	17	18	19	20	21	
4		22	23	24	25	26	27	28	
				Oct					(30/9-4/10)學生會網上選舉 (1/10)國慶日假期
5	+	29	30	(1)	2	3	4	5	(30/9-4/10)國慶活動暨中國周
6		6	(7)	(8)	9	10	11	12	(7/10) 重陽節假期 (8/10) 教師專業發展日(1)
				)					(11-13/10)風紀組訓練營 (12/10)香港培英校友會校友日
7		13	14	15	16	17	18	19	(18/10)學生領袖就職典禮
8		20	21	22	23	24	25	26	(21-25/10)藝術周
	月						Nov		
9		27	28 ^T	29 ^т	30 ^т	31 ^т	1 ^T		(28/10-1/11)中一至中六級統一測驗
10		3	4	5	6	7	8		(5/11-3/12)學業奮進計劃
11	+	$10^{ riangle}$	11	12	13	14	15	16≏	(10/11)南區中學巡禮 (14-15/11)中一、二級護苗課程
	١	15	10	10	20				(16/11下午)家長教師會第二十二屆會員大會
12	月	17	18	19	20	21	22	23	(18-22/11)體育推廣周
13		24	25	26	27	28	29	30	(25-29/11) 跋師周
		Dec							
14	+	1	2	3	4	5	$6^{ riangle}$	7	(6/12)全方位學習日
15		8	9	10	11	12	13	14	(9-13/12)英語周 (10/12)拍攝畢業照及班相
	11								(14/12)中西南區小學數學比賽
16	-	15	16	17	18	19	20	21	(17-19/12)中六級校外模擬考試 (19/12下午)聖誕遊藝會彩排
15	月	- 22	(22)	(2.0)	(25)	(0.0)	(27)	(20)	(19/12晚上)家教會聖誕聯歡會 (20/12)慶祝聖誕崇拜及遊藝會
17		22	(23)	(24)	(25)	(20)	(27)	(28)	(23/12-1/1)聖誕及新年假期共10天 (23,24,27/12)中六級補課
18	1	(20)	(30)	(31)	Jan (1)	2	3	4	(30.31/12)中六級補課
10		5	6	( <b>J1</b> ) 7 ^E	(1) 8 ^E	2 9 ^E	10 ^E		(30,51712) + 八級備錄 (7-16/1) 中一至中五級上學期期考共8天 (7-20/1) 中六級畢業試
20		12	13 ^E	, 14 ^E	15 ^E	16 ^E	10 17 ^E		(17-21/1)中一至中五級試後回饋日
20		12	13 20 ^E	21	(22)			(25)	(21/1-28/2)中六級試後上課日 (21/1下午)中五級學習概覽講座
	_								(22/1-3/2)農曆新年假期共13天
22	月	00	(27)	(20)	(20)	(20)	(21)	Feb	
22		(26)		(28)	(29)	(30)	(31)	(1)	(4/2)下學期開始 (4/2)教師專業發展日(2)
23	11	(2)	(3)	4	5	6	7	8	(5-12/2)中一至中五級溫習及補考
24		9	10	11	12	13	14	15	(10/2)中一至中四級學生開始繳交周記
			15	10	10		~		(10-14/2)福音周 (14/2)佈道會
25		16	17	18	19	20	21	22	(17-21/2)個人社會及人文領域周 (22/2)「學校起動計劃」生涯規劃日 (24.20(2)」「共上以上式式(2)」「第一次(2)」「第一次(2)」」(2)」(2)」(2)」(2)」(2)」(2)」(2)」(2)」(2)
2	-	22	24	25	26	27	20		(24-28/2)「基本法之時空解迷」活動
26	月	23	24	25	26	27	28	29	(26/2)畢業典禮習禮、中六級進行學生持份者問卷及教學評鑑 (28/2)由二級或圓牌別会 (29/2)宏長口既由三升由四環科講師
			1						(28/2)中六級感恩惜別會 (29/2)家長日暨中三升中四選科講座

# <u> 培英中學2019至2020年度校曆表</u>

		B	١	=	Ξ	29	五	六	假期及注意事項
		Mar							(2/3)中六級開始溫習應付公開試
27	Ξ	1	2	3	4	5	6	7	(6/3)頒獎禮
28		8	9	10	11	12	13		(9-13/3)數學周
29		15	16	17	18	19 ^т	20 ^T	21	(19-25/3)中一至中五級統一測驗
30		22	23 ^T	24 ^T	25 ^T	26	27	28	(27-29/3)趁墟做老闆 (27/3-2/5)香港中學文憑考試
	月				Apr				(3/4)教師專業發展日(3) (1/4-19/5)學業奮進計劃
31		29	30	31	1	2	3	(4)	(30/3-2/4)科學周 (2/4)復活節崇拜 (4/4)清明節假期
32	四	5	(6)	(7)	(8)	(9)	(10)	(11)	(6-15/4)復活節假期共10天
33		(12)	(13)	(14)	(15)	16	17	18	
34		19	20	21	22	23	$24^{ riangle}$	25	<ul> <li>(21/4或22/4)中三全港性系統評估口試 (23/4下午)校祖日彩排</li> <li>(24/4)校祖日威恩崇拜暨慶祝活動</li> <li>(24/4)TSA口試後備日 (25/4)區會模範生頒獎典禮</li> </ul>
35	月						May		(29/4)全方位學習日
		26	27	28	<b>29</b> △	(30)	(1)	2	(30/4)佛誕假期 (1/5)勞動節假期
36	五	3	4	5	6	7	8	9	(1 8/5)34 井田
37	-	10	11	12	13	14	15	16	<ul><li>(4-8/5)科技周</li><li>(15/5下午)畢業典禮</li><li>(15/5晚上)歡送畢業生暨校友會迎新晚會</li></ul>
38		10	18	12	20	21 [△]	(22)	23	
	8								(21/5)第六十一屆陸運會 (22/5)陸運會翌日假期
39	月	24	25 X	26	27	28	29	30	(29/5)畢業禮後備日
40	六	31	Jun 1	2 ^E	3 ^E	$4^{E}$	5 ^E	6	(2-11/6)中一至中四級下學期考試共8天 (2.15(6)中工編工器期表提出10工
40	^	7	1 8 ^E	2 9 ^E	10 ^E	4 11 ^E	-		<ul><li>(2-15/6)中五級下學期考試共10天</li><li>(12-16/6)中一至中四級試後回饋日</li></ul>
71		,	0	,	10	11	12	15	(12-10/0) + - 主 + 口級或後回頭口 (16-30/6) 中五級試後上課周
42		14	15 ^E	16	17	18	19	20	(16/6下午)中五級學習概覽寫作工作坊
									(16-17/6)中三級全港性系統評估(中英數) (19/6)中三級全港性系統評估(後備日)
43		21	22	23	24	(25)	26	27	(19-23/6)中一至中五級溫習及補考 (25/6)端午節假期
	月				Jul				(1/7)香港特別行政區成立紀念日假期
44		28	29	30	(1)	2	3	4	(29/6-10/7)暑期英語營 (3/7)中六級中學文憑考試放榜輔導講座
45	セ	5	6	7	8	9	10	11	(8/7)香港中學文憑考試放榜
									(13/7)結業禮 (13/7)接見家長及學生
46		12	13	(14)	(15)	<b>(16</b> )	(17)	(18)	(14-16/7)各級第二階段溫習及補考
									(14/7-31/8)暑假共49天
47		( <b>19</b> )	(20)	(21)	(22)	(23)	(24)	(25)	
	月							Aug	
48		(26)			( <b>29</b> )		(31)	(1)	
49		(2)	(3)	(4)	(5)	(6)	(7)	(8)	ADADY 留上 Strange Langer Langer 11 and 11
50	へ	<b>(9</b> )	(10)	(11)	(12)	(13)	(14)	(15)	<ul><li>(10/8)學生註冊及領取書籍校服 (10-21/8)升中導向課程</li><li>(10-21/8)中六級香港中學文憑考試備試課程</li></ul>
51	月	(16)	(17)	(18)	( <b>19</b> )	(20)	(21)	(22)	(21-22/8)中一適應營
52		(23)	(24)	(25)	(26)	(27)	(28)	( <b>29</b> )	
	九			Sept					(1/9)下學年開學禮
53	月	<b>(30</b> )	(31)	1	2	3	4	5	(2/9)正式上課

# <u>Jockey Club Ti-I College</u> <u>School Calendar (2019-20) for Students</u>

Month	Cycle	Sun	Mon	Tue	Wed	Thu	Fri	Sat		Major Events & School Holidays
	-	1	2	3	4	5	6 ^{T1}	7	2	Opening Ceremony
	1	0	%	I		III	IV	0	2	Newsletter to Parents (1)
			70						6	School Year Commencement Assembly
19	2	8	9	10	11	12	13	14	9	Deadline of Dropping of Elective Subjects for F.5 & F.6
20.	_	0	V	VI	I	II	Ш	•		Students
Jer J		15	16	17	18	19	20 ^{T2}	21	13 <b>14</b>	Club Selection Day & SU Election Forum
and Ma	3	0	IV	V	VI	I	П	0	1 <b>4</b> 17	The Day After Chinese Mid-Autumn Festival SU Election Polling Day
September 2019		00	00	24	05	00	07	20	20	Student Bodies Joint Inauguration
s	4	22 O	23 III	24 IV	25 V	26 VI	27 	28 O		
		0		IV	v	VI	I	0		
		29	30							
		0	Ш							
				1	2	3	4	5	1	National Day
				•	Ш	IV	%	0	4	Swimming Gala
		6	7	0	0	10	11	10	7	Chung Yeung Festival
6	5	6 O	7 ●	8 V	9 VI	10 I	11 II	12 %	12 25	Parent-Teacher Sharing Session & PTA AGM F.4 Parents' Night (Academic Adjustment & OLE)
201		9	•	v	VI	I		70	28	Blood Donation Day
er	6	13	14	15	16	17	18	19		
October 2019		0	111	IV	V	VI	I	0		
ŏ		20	21	22	23	24	25	26		
		О	Ш	Ш	IV	V	VI	0		
		27	28	29	30	31				
	7	0		==	III	IV				
							4	2	1	F.2 Parents' Night (Student Growth & Development)
							1 V	2	7	Newsletter to Parents (2)
							v	9	8	F.1 Parents' Night (Adaptation & Parenting)
6	8	3	4	5	6	7	8	9		Activities Suspension for F.6 Students
20		0	VI	I	II	111	IV	0		F.6 First Term Exam
ber	0	10	11	12	<u>13</u>	<u>14</u>	<u>15</u>	16	22	Athletics Meet Day 1
ovember 2019	9	О	V	VI	T	Ш	Ш	0		
000		17	<u>18</u>	<u>19</u>	<u>20</u>	21	22	23		
Ž	10	0	IV	V	VI	-	%	0		
		24	25	26	27 N/	28	29	30		
		0	II	III	IV	V	VI	0		Allelation Mart David
	11	1	2	3	4	5	6	7	2 <b>3</b>	Athletics Meet Day 2 Discretionary Holiday
		О	%	О	Ι	Ш	Ш	0	<b>3</b> 6	Photo Taking for Staff and Graduation Classes
		8	9	10	11	12	13 ^H	14	12	Distribution of First Term Progress Report
015	12	0	IV	V	VI	T	П	0	13	Preparation for Open Day
ir 2		15	16	17	18	19	20	21	15	Open Day cum 30th Anniversary Time Capsule
nb€		15 %	16 O		IV	V	20 SD1	21 O		Installation Ceremony & F.1 Admission Information
December 2019		/0	0		IV	v			40	Session
Ō		22	23	24	25	26	27	28	<b>16</b> 20	<i>Discretionary Holiday</i> Staff Development Day 1 & 30 th Anniversary Campus
		0	0	•	•	•	0	0	20	Gala Dinner
		29	30	31					23/12	Christmas & New Year Holiday
		0	0	0					-1/1	

Month	Cycle	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Major Events/Holidays & Activities
					1	2	3	4	2-13 First Term Exam
					٠	*	*	*	<ul><li>14-22 First Term Exam Script Review in Normal Timetable</li><li>Opening Ceremony of Graduation Class Visual Arts</li></ul>
		5	6	7	8	9	10	11	Exhibition
120		0	*	*	*	*	*	*	16 Newsletter to Parents (3)
y 20		12	13	14	15	16	17	18	23/1 Chinese New Year Holiday
January 2020	13	0	*	VI	T	Ш	Ш	0	-1/2
Jan		19	20	21	22	23	24	25	
_		0	IV	V	VI	0	0	•	
		26	27	28	29	30	31		
		•	•	•	0	0	0		
								1	3-19 F.6 Mock Exam & Activities Suspension for F.6
								0	Students
		2	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	8	<ol> <li>First Term Prize Presentation Ceremony</li> <li>Parents' Day (Distribution of First Term Report Cards)</li> </ol>
120	14	0	U I		<u>∽</u> III	IV	V	õ	19-21 F.3 Boost Morale Camp
y 20		9	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u> ^{T2}	15	24-28 F.6 Mock Exam Script Review
uar	15	Ŏ	VI	<u></u> 1	<u>  </u>	<u>10</u> III	IV	%	28 F.6 Farewell Assembly & Mock Release of HKDSE Results for F.6 Students
February 2020		16	<u>17</u>	<u>18</u>	<u>19</u>	20	21	22	
	16	0	V	VI	<u>10</u> 	11	111	0	
		23	24	25	26	27	28 ^{T2}	29	
	17	0	IV	V	VI	1	11	0	
		1	2	3	4	5	6	7	5 Newsletter to Parents (4)
	18	0	-	IV	V	VI	I	%	7 F.1 Admission Practical Test and First Interview
		8	9	10	11	12	13	14	<ol> <li>F.3 Parents' Night (DSE Curriculum &amp; Streaming)</li> <li>Staff Development Day 2 (TBC)</li> </ol>
20		0	II	III	IV	V	VI	0	
202		15	16	17	18	19	20	21	
March 2020	19	О	I	Ш	Ш	IV	SD2	0	
Ra		22	23	24	25	26	27	28	
	20	0	V	VI	I	Ш	Ш	0	
		29	30	31					
		0	IV	V					
	~ .				1	2	3	4	3 Activity Day
	21				VI	Т	%	•	4 Ching Ming Festival 6-14 Easter Holiday
		5	6	7	8	9	10	11	21/22 F.3 TSA (Speaking Assessment)
0		О	О	0	О	0	•	•	22-24 Reading Week
202		12	13	14	15	16	17	18	30 The Birthday of the Buddha
April 2020		•	•	О	П	Ш	IV	О	
Ā		19	20	21	22	23	24	25	
	22	0	V	VI	T	Ш	Ш	О	
		26	27	28	29	30			
		0	IV	V	VI	•			

Month	Cycle	Sun	Mon	Tue	Wed	Thu	Fri	Sat		Major Events/Holidays & Activities
							1	2	1	Labour Day
							•	О	7 15	Newsletter to Parents (5) Speech Day (TBC)
	00	3	4	5	6	7	8	9	21	Distribution of Second Term Progress Report
	23	0	I	П	Ш	IV	V	0	22	F.5 Parents' Night (Careers Planning & Academic
0		10	11	12	13	14	15 ^H	16	25/5	Enhancement)
202	24	0	VI	I	П	Ш	IV	0	25/5 -20/6	Activities Suspension
May 2020		17	18	19	20	21	22	23		
Σ	25	0	V	VI	I	П	Ш	0		
		24	25	26	27	28	29	30		
	26	0	IV	V	VI	I		0		
		31								
		0								
			1	2	3	4	5	6	5	Staff Development Day 3
			Ш	IV	V	VI	SD3	0	8-20	Second Term Exam
		7	8	9	10	11	12	13		F.3 TSA (Written Assessments) Second Term Exam Script Review with Special
0		0	*	*	*	*	*	*		Timetable
June 2020		14	15	16	17	18	19	20	25	Tuen Ng Festival
ne		0	*	*	*	*	*	*	26 29/6	Appreciation Night Dinner (TBC) Post Exam Activities
η		21	22	23	24	25	26	27	-9/7	r ost Exam Activities
		0	%	%	%	•	%	0		
		28	29	30						
		0	%	%						
					1	2	3	4	1	The HKSAR Establishment Day
					•	%	%	0	8	HKDSE Results Release (TBC)
		5	6	7	8	9	10	11	10 10	Newsletter to Parents (6) Closing Ceremony
		0	%	%	%	%	%	0	13/7	Summer Vacation
2020		12	13	14	15	16	17	18	-31/8	
July 2(		0	0	0	0	0	0	0		
٦٢		19	20	21	22	23	24	25		
		0	0	0	0	0	0	0		
		26	27	28	29	30	31			
		0	0	0	0	0	0			
								1	17-21	F.1 Summer Bridging Programme (TBC)
								0	22	F.1 Orientation (TBC)
		2	3	4	5	6	7	8		
		0	0	О	0	0	0	0		
20		9	10	11	12	13	14	15		
August 2020		0	0	0	0	0	0	0		
ļsn£		16	17	18	19	20	21	22		
ληί		0	0	0	0	0	0	0		
		23	24	25	26	27	28	29		
		0	0	0	0	0	0	0		
		30	31							
		0	0							

O/● School/Public Holiday SDn Staff Development Day n

* Examination _____ Mock Examination

% Whole-school Events / Special School Functions

 $XX^{H}\,/\,XX^{Tn}$   $\,$  Half-day Release Timetable / Special Assembly Timetable Option n  $\,$ 

聖公會主風小學 2019-2020 年度上學期校曆表

週次	月份			星		期			行事要項	假期日
	60	H		<u> </u>	=	匹	Ŧī.	六		重數
(1)	2019	1	2*	3	4	5	6	7	2/9 上學期開學日	
2	九	8	9	10	11	12	13*	14	13/9教師專業發展日 14/9中秋節翌日	1
3	月	15	16	17	18	19	20	21		
<b>4</b>	/ 7	22	23	24	25	26	27	28		
5		29	30	21	20	20	21	20		
			50	1	2	3	4	5	1/10 國慶日	1
6	+	6	7	8	2 9	10	т 11	12	7/10 重陽節	1
	月	13	, 14	15	16	17	18	12		
	ヮ	20	21	13 22	23	<u>1</u> / <u>24</u>	<u>10</u> <u>25</u>	19 26	24/10 – 29/10 上學期測驗(J.6 呈分試)	
		20			23 30	<u>24</u> 31	23	20	24/10-2/10 上学知风歌(3.0 主力武)	
9		21	<u>28</u>	<u>29</u>	30	51	1	2		
	ᆂ	3	4	5	6	7	1	2 9		
	+	-	-	5 12	13			-	16/11 上與明宗王口	
		10	11			14	15	16*	16/11 上學期家長日	
11 12 13	月	17	18	19	20	21	22	23	20/11 体 [ 一 尺 陆 海 会 20/11 陆 海 会 羽 口 屈 田	1
		24	25	26	27	28*	29	30	28/11 第十三屆陸運會 29/11 陸運會翌日假期	1
	r	1	2	3	4	5	6	7		
15	+	8	9	10	11	12	13	14		
16		15	16	17	18	19	20	21		
17	月	22			25	26	27	28	23/12/2019 – 2/1/2020 聖誕及新年假期	6
18		29	30	31						3
	2020				1	2	3	4		2
(19)	<u> </u>	5	6	7	<u>8</u>	<u>9</u>	<u>10</u>	11	8/1-13/1上學期學期試	
	月	12	<u>13</u>	14	15	16	17	18		
19 20 21 22		19	20	21	22	23	24	25	22/1-1/2 農曆新年假期	4
(22)		26	27	28	29	30	31			6
								1		1
		2	3*	4	5	6	7*	8	3/2 下學期開始 7/2 旅行日	
	月	9	10	11	12	13	14	15		
附註	:	化表	≶假钳	Ħ :	★ <del>()</del>	<b>表特</b>	北重	」 日		_

附註: □代表假期 *代表特別事宜

# 沙田崇真學校 2019-20年度校曆表

	-		-	-		-					S/ H	-			_		has then 1 the
┝	日	-	-	E	四	五		假期/事項		E	-	-	E I	四	五	*	假 期 / 事 項
	1	2	3	4	5	6	7	上學期開始(2/9) P. 2-6 半天上課(2-6/9) 學校假期(13/9)中秋節翌日(14/9)					1	2	3	$\bigwedge$	清明節(4/4)
九	8	9	10	11	12	13	X	学校版期(13/9)中秋即翌日(14/9) P.1半天上課(2-11/9)	四	5	6	7	$\overset{\mathbf{X}}{\hookrightarrow}$	X	R	X	福音周及復活節崇拜(6-7/4)
	15	16	17	18	19	20	21			X	X	X	X	16	17	18	復活節假期(8-15/4)家長日(18/4)
月	22	23	24	25	26	27	28	親師座談會(28/9)	月	19	20	21	22	23	24	25	
	29	30								26	27	28	29	30			綵排日(28/4)綜藝晚會(29/4) 佛誕(30/4)
			X	Z	3	4	5	國慶日(1/10) 教師專業發展日(2/10)							X	2	勞動節(1/5)
+	6	$\times$	8	9	10	11	12	重陽節(7/10)	五	3	4	5	6	7	8	9	零功課日(4/5)中小辯論賽(9/5)
	13	14	15	16	17	18	19			10	11	12	13	14	15	16	
月	20	21	22	23	24	25	26		月	17	18	19	20	21	<i>2</i> 2	23	教師專業發展日(22/5)
	27	28	29	30	31			P.6 教育營(28/10-1/11)		24	25	26	27	28	29	30	
										31							
						1	2				1	2	<u>3</u>	<u>4</u>	<u>5</u>	6	一至六年級考試(1-5/6)
+	3	4	5	6	7	8	9	零功課日(8/11)	六	7	8	9	10	11	12	13	
-	10	11	12	13	14	15	16			14	15	16	17	18	19	20	小一面試(15-16/6)
月	17	18	19	20	21	22	23		月	21	22	23	24	25	26	27	端午節(25/6)
	24	<u>25</u>	26	<u>27</u>	<u>28</u>	<u>29</u>	30	一至六年級考試(25-29/11) 教師專業發展日(30/11)		28	29	30					畢業禮(30/6)
	1	2	3	4	5	6	7						X	2	3	4	香港特區成立紀念日 (1/7) 畢業禮補假 (2/7)
+	8	9	10	11	12	13	14	學校旅行(13/12)	セ	5	6	7	8	9	10	11	
=	15	16	17	18	19	20	21	專題研習周(16-19/12)聖誕崇拜(20/12)		12	X	)4	X	<b>)</b> 6	X	78	暑假(13/7-31/8)
月	22	23	24	25	26	22	28	聖誕及新年假期(23/12-1/1)	月	X	$\overrightarrow{20}$	$\mathbf{X}$	22	23	24	25	
	29	30	X							26	22	28	20	30	X		
⊢				$\mathbf{X}$	2	3	4	P.6 家長日(4/1)								$\mathbf{X}$	
二零	5	6	7	8	9	10	11	P.1-5 家長日(11/1)	へ	X	X	X	X	X	X	$\overleftarrow{\mathbf{x}}$	
+ =	12	13	14	15	16			跨學科活動日(17/1)		$\mathbf{\mathbf{x}}$	$\overrightarrow{\mathbf{M}}$	X	$\overleftarrow{\mathbb{N}}$	× ×	$\overrightarrow{4}$	ঠ	
零左		20	$\mathbf{M}$	22	23	24		陸運會(20/1)農曆新年假期(21/1-3/2)	月	16	$\overleftarrow{\mathbf{N}}$	$\overrightarrow{\mathbf{k}}$	$\overrightarrow{\mathbf{y}}$	$\overrightarrow{20}$	$\overbrace{24}{}$	$\overleftarrow{22}$	
年 一	26	$\mathbf{X}$	$\overrightarrow{28}$	$\leftrightarrow$	$\leftrightarrow$	$\mathbf{x}$				$\overline{23}$	24	25	26	$\leftrightarrow$	28	$\overleftarrow{29}$	
月	$\sum$	$\sum$		$\sum$	$\mathbb{Z}$					30	$\mathbf{x}$		$\sum$	Ζ`\		$\sum$	
⊢							$\mathbf{X}$		緣	∠_`	×~ 马半:	天上	.課	E	橙	色為	· 延伸學習活動課(周三)
=	X	X	4	5	6	7	8	下學期開始(4/2)			马公					_	
	<u> </u>	10		12		14		零功課日(12/2)	本	年度	王王	課日	數	: 19	2日	(包:	括兩次家長日)
月	-					21			-		<b>ミ期</b>						
		24					20	學校籌款日(23/2) 興共等款日(23/2)	-		1 決				Hn \	• 70	7
⊢	1	<del>بر</del> 2	3	4	5	6	2) 7	一至五年級主科考試(12-13/3)			と日 享業を				期) 日	• /8	
Ξ	8	2 <u>9</u>			<u>12</u>	13		六年級報分試(9-13/3)			テ 赤 360		ч	<i>.</i>	-		
月		∠ 16				<u>15</u> 20			$\bar{\square}$		校						學校自決假期
		23				20			2/	10 30	11	22/5	教師	币專	業發	展	
		23 30		23	20		20	境外學習 (28/3-2/4)			/						
		50 界沙		麻沥	山口			^{現外季皙(20/3-2/4)} 網址:www.stts.edu.hk	J	5	宦話	: 24	576	331	4		傳真:2609 0597
	利	ットウ	ш <i>і</i> )	<b>正</b> //	171			अन्त्र⊁ा • www.Sus.cuu.IIK		Ē	巴西	• ).	טוכ	JJ4	+		付兵・2007 0371

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Appendix F

Air Quality Monitoring Data

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#### AMS 3A - Wai Wah Centre

				1-hour TSP (	µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Nov-19	9:00	87	82	82	84			Fine
9-Nov-19	12:04	56	47	49	51			Fine
15-Nov-19	10:34	70	52	61	61	348	500	Fine
21-Nov-19	9:03	142	137	135	138			Fine
27-Nov-19	10:32	101	87	88	92			Fine
	Average		85					
	Max		142					
	Min		47					

#### AMS 6 - Shatin Plaza

				1-hour TSP (	µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Nov-19	9:14	63	52	54	56			Fine
9-Nov-19	12:26	48	39	39	42			Fine
15-Nov-19	13:11	73	66	65	68	347	500	Fine
21-Nov-19	9:15	113	107	95	105			Fine
27-Nov-19	11:44	75	74	66	72			Fine
	Average		69					
	Max		113					
	Min		39					

#### AMS 7A - Sheung Wo Che

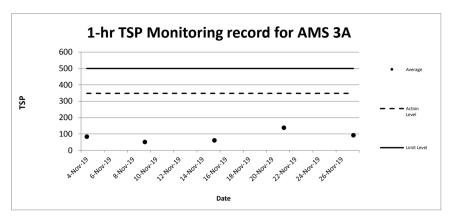
				1-hour TSP (	µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Nov-19	10:02	81	81	76	79			Fine
9-Nov-19	13:26	48	40	37	42			Fine
15-Nov-19	14:44	77	61	84	74	344	500	Fine
21-Nov-19	9:28	100	91	89	93			Fine
27-Nov-19	13:16	71	56	53	60			Fine
	Average		70					
	Max		100					
	Min		37					

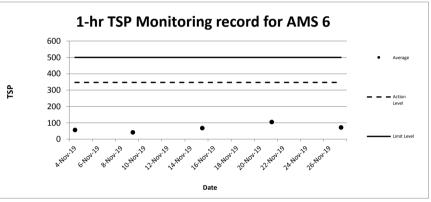
#### AMS 12 - Fung Wo Estate

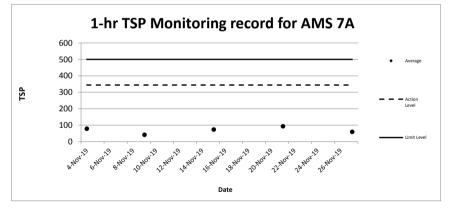
				1-hour TSP (	µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Nov-19	10:20	71	60	56	62			Fine
9-Nov-19	14:02	40	36	29	35			Fine
15-Nov-19	15:20	72	70	57	66	350	500	Fine
21-Nov-19	9:37	66	58	58	61			Fine
27-Nov-19	13:45	89	84	88	87			Fine
	Average		62					
	Max		89					
	Min		29					

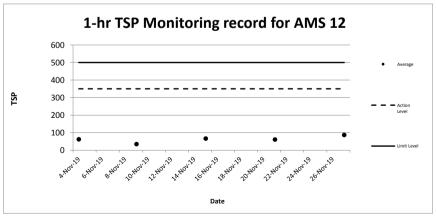
Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.









Date and Time	TSP Concentration (µg/m ³ )	Date and Time	TSP Concentration (µg/m ³ )	Date
4/11/2019 9:00	70	9/11/2019 12:04	45	15/
/11/2019 10:00	74	9/11/2019 13:04	49	15/
/11/2019 11:00	81	9/11/2019 14:04	21	15/1
/11/2019 12:00	76	9/11/2019 15:04	41	15/
/11/2019 13:00	76	9/11/2019 16:04	51	15/
/11/2019 14:00	72	9/11/2019 17:04	53	15/1
/11/2019 15:00	68	9/11/2019 18:04	49	15/
/11/2019 16:00	68	9/11/2019 19:04	45	15/1
/11/2019 17:00	76	9/11/2019 20:04	45	15/
/11/2019 18:00	80	9/11/2019 21:04	56	15/
/11/2019 19:00	84	9/11/2019 22:04	47	15/
/11/2019 20:00	87	9/11/2019 23:04	49	15/
/11/2019 21:00	82	10/11/2019 0:04	53	15/
/11/2019 22:00	82	10/11/2019 1:04	45	15/
/11/2019 23:00	76	10/11/2019 2:04	45	16
5/11/2019 0:00	72	10/11/2019 3:04	49	16
5/11/2019 1:00	68	10/11/2019 3:04	53	16
5/11/2019 2:00	74	10/11/2019 5:04	56	16
5/11/2019 3:00	67	10/11/2019 5:04	45	16
5/11/2019 5:00	68	10/11/2019 0:04	43	16
5/11/2019 5:00	70	10/11/2019 7:04	49	16
5/11/2019 5:00	70	10/11/2019 9:04	49 41	16
5/11/2019 7:00	67	10/11/2019 10:04	51	16
5/11/2019 7:00	96	10/11/2019 10:04	38	16
Average	75	Average	38 47	10
	15	Avelage	47	
	200	Action Level	200	
Action Level	200 260	Action Level Limit Level	200 260	
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Action Level Limit Level	260 TSP Concentration (µg/m³)	Limit Level Date and Time	260 TSP Concentration (µg/m ³ )	
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Action Level Limit Level 1/11/2019 9:03 /11/2019 10:03 /11/2019 11:03 /11/2019 11:03 /11/2019 12:03 /11/2019 12:03 /11/2019 13:03 /11/2019 15:03 /11/2019 15:03 /11/2019 15:03 /11/2019 15:03 /11/2019 15:03 /11/2019 20:03 /11/2019 20:03 /11/2019 21:03 /11/2019 21:03 /11/2019 21:03 /11/2019 21:03 /11/2019 2:03 /11/2019 2:03 /11/2019 2:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03	260 TSP Concentration (µg/m*) 120 122 118 116 120 122 129 133 138 142 137 135 137 131 127 124 118 114 109 103 107 107	Limit Level      Date and Time     27/11/2019 10:32     27/11/2019 11:32     27/11/2019 12:32     27/11/2019 13:32     27/11/2019 14:32     27/11/2019 15:32     27/11/2019 15:32     27/11/2019 15:32     27/11/2019 15:32     27/11/2019 13:32     27/11/2019 21:32     27/11/2019 21:32     27/11/2019 21:32     27/11/2019 21:32     28/11/2019 21:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     28/11/2019     32     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     33     38/11/2019     33     38/11/2019     33     38/11/2019     33     38/11/2019     33     38/11     38/11     38/11     38/11     38/11     38/11     38/	260 TSP Concentration (µg/m³) 74 78 84 87 81 80 78 87 84 93 101 87 88 85 84 85 84 85 84 82 75 79 72 80 76 81	
Action Level Limit Level 1/11/2019 9:03 /11/2019 10:03 /11/2019 11:03 /11/2019 12:03 /11/2019 12:03 /11/2019 12:03 /11/2019 13:03 /11/2019 15:03 /11/2019 15:03 /11/2019 15:03 /11/2019 19:03 /11/2019 21:03 /11/2019 21:03 /11/2019 21:03 /11/2019 21:03 /11/2019 21:03 /11/2019 21:03 /11/2019 2:03 /11/2019 2:03 /11/2019 2:03 /11/2019 2:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03 /211/2019 5:03	260 TSP Concentration (µg/m³) 120 122 118 116 120 122 129 133 138 142 137 135 137 131 127 124 118 114 109 103 107 111	Limit Level      Date and Time     27/11/2019 10:32     27/11/2019 11:32     27/11/2019 12:32     27/11/2019 13:32     27/11/2019 14:32     27/11/2019 16:32     27/11/2019 16:32     27/11/2019 16:32     27/11/2019 18:32     27/11/2019 18:32     27/11/2019 21:32     27/11/2019 21:32     27/11/2019 21:32     27/11/2019 21:32     28/11/2019 23:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019     32     28/11/2019     32     32     38/11/2019     32     32     38/11/2019     32     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     32     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/11/2019     332     38/	260 TSP Concentration (µg/m³) 74 78 84 87 81 80 78 87 84 93 101 87 88 85 84 82 75 79 72 80 76 81 72 80 76 81 72 80 76 81 79 72 80 76 81 77 81 78 85 84 85 84 85 84 85 84 85 84 85 84 85 84 85 86 87 87 87 87 88 88 88 88 88 88	
Action Level Limit Level 1/11/2019 9:03 /11/2019 10:03 /11/2019 11:03 /11/2019 11:03 /11/2019 12:03 /11/2019 12:03 /11/2019 13:03 /11/2019 15:03 /11/2019 15:03 /11/2019 15:03 /11/2019 15:03 /11/2019 20:03 /11/2019 20:03 /11/2019 20:03 /11/2019 20:03 /11/2019 20:03 /11/2019 10:03 /11/2019 10:03 /11/2019 3:03 /11/2019 3:03 /11/2019 5:03 /11/2019 7:03 /11/2019 7:03 /11/2019 7:03 /11/2019 7:03 /11/2019 7:03 /11/2019 7:03	260 TSP Concentration (µg/m³) 120 122 118 116 120 122 129 133 138 142 137 135 137 131 127 124 118 114 109 103 107 107 111 114	Limit Level      Date and Time     27/11/2019 10:32     27/11/2019 11:32     27/11/2019 12:32     27/11/2019 13:32     27/11/2019 15:32     27/11/2019 15:32     27/11/2019 15:32     27/11/2019 15:32     27/11/2019 13:32     27/11/2019 21:32     27/11/2019 21:32     27/11/2019 21:32     27/11/2019 21:32     27/11/2019 21:32     28/11/2019 2:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019 3:32     28/11/2019     32     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     30     3	260 TSP Concentration (µg/m³) 74 78 84 87 81 80 78 87 84 93 101 87 88 85 84 82 75 79 72 80 76 81 74 80	

24-hour TSP Impact Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

Date and Time	TSP Concentration (µg/m ³ )
15/11/2019 10:34	65
15/11/2019 11:34	68
15/11/2019 12:34	63
15/11/2019 13:34	66
15/11/2019 14:34	61
15/11/2019 15:34	67
15/11/2019 16:34	68
15/11/2019 17:34	56
15/11/2019 18:34	56
15/11/2019 19:34	70
15/11/2019 20:34	60
15/11/2019 21:34	67
15/11/2019 22:34	70
15/11/2019 23:34	52
16/11/2019 0:34	61
16/11/2019 1:34	71
16/11/2019 2:34	73
16/11/2019 3:34	63
16/11/2019 4:34	64
16/11/2019 5:34	73
16/11/2019 6:34	57
16/11/2019 7:34	72
16/11/2019 8:34	71
16/11/2019 9:34	57
Average	65
Action Level	200
Limit Level	260

I. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
 The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

Date and Time         TSP Concentration (ug/m)           4/11/2019         57           4/11/2019         57           4/11/2019         57           4/11/2019         57           4/11/2019         52           4/11/2019         52           4/11/2019         52           4/11/2019         52           4/11/2019         52           4/11/2019         52           4/11/2019         52           4/11/2019         52           4/11/2019         52           4/11/2019         52           4/11/2019         53           4/11/2019         54           4/11/2019         54           4/11/2019         56           9/11/2019         52           4/11/2019         51           4/11/2019         54           4/11/2019         54           4/11/2019         54           4/11/2019         54           4/11/2019         54           4/11/2019         54           4/11/2019         54           4/11/2019         54           4/11/2019         54           511/2019	<u>AMS6 - Shatin Plaza</u>			
4/1/2019 11:14       63       9/1/2019 13:26       41         4/1/2019 12:14       52       9/1/2019 15:26       44         4/1/2019 12:14       52       9/1/2019 15:26       48         4/1/2019 15:14       56       9/1/2019 17:26       39         4/1/2019 15:14       56       9/1/2019 17:26       39         4/1/2019 15:14       56       9/1/2019 17:26       39         4/1/2019 15:14       52       9/1/2019 17:26       39         4/1/2019 15:14       51       9/1/2019 17:26       39         4/1/2019 15:14       51       9/1/2019 17:26       37         4/1/2019 12:14       63       9/1/2019 02:26       31         4/1/2019 2:14       56       10/1/2019 2:26       33         5/1/2019 4:14       52       10/1/2019 2:26       33         5/1/2019 4:14       52       10/1/2019 2:26       34         5/1/2019 5:14       46       10/1/2019 2:26       37         5/1/2019 5:14       46       10/1/2019 2:26       37         5/1/2019 5:14       46       10/1/2019 2:26       33         5/1/2019 5:14       54       Averag       40         Averag       54       Averag       40     <	Date and Time	TSP Concentration (µg/m ³ )	Date and Time	TSP Concentration (µg/m ³ )
41/12019 11:14       63       9/11/2019 15:26       44         4/11/2019 12:14       52       9/11/2019 16:26       39         4/11/2019 13:14       56       9/11/2019 16:26       39         4/11/2019 15:14       56       9/11/2019 16:26       39         4/11/2019 15:14       56       9/11/2019 12:26       39         4/11/2019 15:14       56       9/11/2019 12:26       48         4/11/2019 15:14       56       9/11/2019 22:26       31         4/11/2019 12:14       56       9/11/2019 22:26       31         4/11/2019 22:14       57       10/11/2019 22:26       33         4/11/2019 22:14       57       10/11/2019 22:6       33         4/11/2019 22:14       57       10/11/2019 22:6       33         5/11/2019 3:14       52       10/11/2019 22:6       33         5/11/2019 3:14       52       10/11/2019 22:6       37         5/11/2019 3:14       52       10/11/2019 22:6       37         5/11/2019 3:14       54       10/11/2019 22:6       37         5/11/2019 3:14       54       10/11/2019 22:6       37         5/11/2019 3:14       54       10/11/2019 22:6       37         5/11/2019 3:14       54	4/11/2019 9:14	57	9/11/2019 12:20	5 37
4/11/2019 13:14       54       9/11/2019 15:26       48         4/11/2019 13:14       56       9/11/2019 16:26       39         4/11/2019 16:14       52       9/11/2019 17:26       39         4/11/2019 16:14       52       9/11/2019 17:26       39         4/11/2019 16:14       52       9/11/2019 12:26       44         4/11/2019 16:14       54       9/11/2019 12:26       44         4/11/2019 19:14       54       9/11/2019 12:26       44         4/11/2019 19:14       56       9/11/2019 22:26       31         4/11/2019 19:14       56       10/11/2019 22:6       33         4/11/2019 19:14       56       10/11/2019 22:6       33         4/11/2019 19:14       52       10/11/2019 3:26       39         5/11/2019 2:14       46       10/11/2019 3:26       39         5/11/2019 3:14       52       10/11/2019 3:26       39         5/11/2019 3:14       52       10/11/2019 3:26       39         5/11/2019 3:14       66       10/11/2019 3:26       39         5/11/2019 3:14       64       10/11/2019 3:26       39         5/11/2019 3:14       64       10/11/2019 3:26       39         5/11/2019 3:14       65	4/11/2019 10:14	59	9/11/2019 13:20	5 41
411/2019 13:14       54       9/1/2019 16:26       39         4/11/2019 15:14       56       9/11/2019 17:26       39         4/11/2019 15:14       56       9/11/2019 17:26       39         4/11/2019 15:14       50       9/11/2019 17:26       39         4/11/2019 17:14       50       9/11/2019 20:26       48         4/11/2019 17:14       54       9/11/2019 20:26       44         4/11/2019 17:14       53       10/11/2019 20:26       31         4/11/2019 17:14       56       9/11/2019 22:26       33         4/11/2019 22:14       57       10/11/2019 22:6       33         4/11/2019 22:14       57       10/11/2019 22:6       33         5/11/2019 23:14       52       10/11/2019 22:6       33         5/11/2019 3:14       52       10/11/2019 2:26       44         5/11/2019 3:14       52       10/11/2019 2:26       44         5/11/2019 3:14       54       10/11/2019 2:26       37         5/11/2019 3:14       54       10/11/2019 2:26       41         5/11/2019 3:14       54       10/11/2019 2:26       43         6       10/11/2019 12:26       43       40         Action Level       165 <t< td=""><td>4/11/2019 11:14</td><td>63</td><td>9/11/2019 14:26</td><td>5 44</td></t<>	4/11/2019 11:14	63	9/11/2019 14:26	5 44
4/11/2019 15:14       56       9/11/2019 17:26       39         4/11/2019 15:14       56       9/11/2019 17:26       39         4/11/2019 15:14       50       9/11/2019 12:26       48         4/11/2019 15:14       56       9/11/2019 22:26       44         4/11/2019 12:14       56       9/11/2019 22:26       41         4/11/2019 12:14       56       9/11/2019 22:26       31         4/11/2019 22:14       57       10/11/2019 22:6       33         5/11/2019 21:14       56       10/11/2019 22:6       33         5/11/2019 21:14       50       10/11/2019 22:6       33         5/11/2019 21:4       46       10/11/2019 22:6       35         5/11/2019 21:4       46       10/11/2019 22:6       35         5/11/2019 21:4       46       10/11/2019 22:6       37         5/11/2019 21:4       46       10/11/2019 22:6       37         5/11/2019 51:4       48       10/11/2019 22:6       37         5/11/2019 51:4       48       10/11/2019 22:6       37         5/11/2019 51:4       54       10/11/2019 12:4       43         Average       54       Average       40       Average         Average       54<	4/11/2019 12:14	52	9/11/2019 15:20	5 48
4/11/2019 15:14       56       9/11/2019 17:26       39         4/11/2019 15:14       56       9/11/2019 17:26       39         4/11/2019 15:14       50       9/11/2019 12:26       48         4/11/2019 15:14       56       9/11/2019 22:26       44         4/11/2019 12:14       56       9/11/2019 22:26       41         4/11/2019 12:14       56       9/11/2019 22:26       31         4/11/2019 22:14       57       10/11/2019 22:6       33         5/11/2019 21:14       56       10/11/2019 22:6       33         5/11/2019 21:14       50       10/11/2019 22:6       33         5/11/2019 21:4       46       10/11/2019 22:6       35         5/11/2019 21:4       46       10/11/2019 22:6       35         5/11/2019 21:4       46       10/11/2019 22:6       37         5/11/2019 21:4       46       10/11/2019 22:6       37         5/11/2019 51:4       48       10/11/2019 22:6       37         5/11/2019 51:4       48       10/11/2019 22:6       37         5/11/2019 51:4       54       10/11/2019 12:4       43         Average       54       Average       40       Average         Average       54<	4/11/2019 13:14	54	9/11/2019 16:20	5 39
4/11/2019 15:14       56       9/11/2019 18:26       39         4/11/2019 17:14       50       9/11/2019 12:26       48         4/11/2019 17:14       50       9/11/2019 22:26       48         4/11/2019 17:14       54       9/11/2019 22:26       41         4/11/2019 17:14       56       9/11/2019 22:26       37         4/11/2019 12:14       66       9/11/2019 22:26       33         4/11/2019 22:14       57       10/11/2019 22:6       33         4/11/2019 22:14       56       10/11/2019 22:6       33         5/11/2019 2:14       50       10/11/2019 2:26       33         5/11/2019 2:14       50       10/11/2019 2:26       33         5/11/2019 3:14       52       10/11/2019 3:26       33         5/11/2019 5:14       48       10/11/2019 3:26       33         5/11/2019 5:14       48       10/11/2019 3:26       33         5/11/2019 5:14       48       10/11/2019 7:26       33         5/11/2019 5:14       48       10/11/2019 7:26       33         5/11/2019 5:15       93       27/11/2019 1:24       40         2/11/2019 1:15       88       27/11/2019 1:24       40         2/11/2019 1:15       93 <td></td> <td>56</td> <td></td> <td></td>		56		
411/2019 16:14       52       9/11/2019 12:26       48         4/11/2019 18:14       48       9/11/2019 20:26       48         4/11/2019 18:14       48       9/11/2019 20:26       44         4/11/2019 18:14       48       9/11/2019 22:26       41         4/11/2019 20:14       55       9/11/2019 22:26       31         4/11/2019 22:14       57       10/11/2019 22:6       33         4/11/2019 22:14       56       10/11/2019 2:26       33         5/11/2019 2:14       56       10/11/2019 2:26       31         5/11/2019 2:14       50       10/11/2019 2:26       31         5/11/2019 2:14       52       10/11/2019 2:26       33         5/11/2019 2:14       52       10/11/2019 2:26       37         5/11/2019 2:14       52       10/11/2019 2:26       37         5/11/2019 2:14       48       10/11/2019 2:26       37         5/11/2019 2:14       54       10/11/2019 2:26       37         5/11/2019 9:15       59       27/11/2019 11:26       37         2/11/2019 9:15       91       27/11/2019 11:24       70         2/11/2019 9:15       91       27/11/2019 11:24       70         2/11/2019 9:15       91 </td <td></td> <td></td> <td></td> <td></td>				
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Action Level         165           Limit Level         260           Date and Time         TSP Concentration (µg/m³)           21/11/2019 9:15         90           21/11/2019 10:15         93           21/11/2019 11:15         88           21/11/2019 11:15         91           21/11/2019 12:15         91           21/11/2019 13:15         97           21/11/2019 13:15         97           21/11/2019 15:15         103           21/11/2019 15:15         107           21/11/2019 15:15         107           21/11/2019 15:15         107           21/11/2019 15:15         107           21/11/2019 15:15         107           21/11/2019 15:15         107           21/11/2019 15:15         107           21/11/2019 19:15         101           21/11/2019 19:15         101           21/11/2019 21:15         107           21/11/2019 21:15         107           21/11/2019 21:15         107           21/11/2019 21:15         107           21/11/2019 21:15         107           21/11/2019 21:15         107           21/11/2019 21:15         107           21/11/2019 11:15	5/11/2019 8:14	60	10/11/2019 11:26	5 43
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22/11/2019 8:15         86         28/11/2019 10:44         65           Average         98         Average         66           Action Level         165         Action Level         165	21/11/2019 9:15 21/11/2019 10:15 21/11/2019 11:15 21/11/2019 12:15 21/11/2019 13:15 21/11/2019 14:15 21/11/2019 14:15 21/11/2019 15:15 21/11/2019 17:15 21/11/2019 18:15 21/11/2019 19:15 21/11/2019 20:15 21/11/2019 21:15 21/11/2019 23:15 22/11/2019 21:15 22/11/2019 0:15 22/11/2019 1:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 3:15	90 93 88 91 97 103 109 107 111 105 101 109 107 113 107 95 91 91 95 91 91 88	27/11/2019 11:44 27/11/2019 12:44 27/11/2019 13:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 19:44 27/11/2019 20:44 27/11/2019 20:44 27/11/2019 20:44 27/11/2019 20:44 28/11/2019 20:44 28/11/2019 20:44 28/11/2019 12:44 28/11/2019 20:44 28/11/2019 20:44 28/11/2019 20:44 28/11/2019 3:44 28/11/2019 3:44 28/11/2019 5:44 28/11/2019 5:44 28/11/2019 5:44	64 70 65 55 58 62 75 74 66 62 60 71 70 74 72 71 67 57 57 61 70
Average         98         Average         66           Action Level         165         Action Level         165	21/11/2019 9:15 21/11/2019 10:15 21/11/2019 11:15 21/11/2019 12:15 21/11/2019 13:15 21/11/2019 14:15 21/11/2019 14:15 21/11/2019 15:15 21/11/2019 17:15 21/11/2019 17:15 21/11/2019 19:15 21/11/2019 20:15 21/11/2019 21:15 21/11/2019 21:15 22/11/2019 0:15 22/11/2019 0:15 22/11/2019 11:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 3:15	90 93 88 91 97 103 109 107 111 105 101 109 107 113 107 95 91 91 95 91 91 95 91 88 90	27/11/2019 11:44 27/11/2019 12:44 27/11/2019 13:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 16:44 27/11/2019 19:44 27/11/2019 19:44 27/11/2019 20:44 27/11/2019 20:44 27/11/2019 21:44 28/11/2019 23:44 28/11/2019 24:4 28/11/2019 24:4 28/11/2019 24:4 28/11/2019 24:4 28/11/2019 24:4 28/11/2019 24:4 28/11/2019 3:44 28/11/2019 3:44 28/11/2019 3:44 28/11/2019 5:44 28/11/2019 5:44 2	64 70 65 55 58 62 75 74 66 62 60 71 70 74 72 71 67 57 57 61 70 72
Action Level 165 Action Level 165	21/11/2019 9:15 21/11/2019 10:15 21/11/2019 10:15 21/11/2019 11:15 21/11/2019 12:15 21/11/2019 13:15 21/11/2019 13:15 21/11/2019 15:15 21/11/2019 15:15 21/11/2019 18:15 21/11/2019 19:15 21/11/2019 20:15 21/11/2019 20:15 21/11/2019 21:15 21/11/2019 21:15 21/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 31:15 22/11/2019 31:15 22/11/2019 31:15 22/11/2019 31:15 22/11/2019 31:15 22/11/2019 41:15 22/11/2019 41:15 22/11/2019 51:5	90 93 88 91 97 103 109 107 111 105 101 109 107 113 107 95 91 91 95 91 88 90 88	27/11/2019 11:44 27/11/2019 12:44 27/11/2019 13:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 19:44 27/11/2019 19:44 27/11/2019 20:44 27/11/2019 20:44 27/11/2019 20:44 28/11/2019 20:45 20:45 20:45 20:45 20:45 20:45 20:45 20:4	64 70 65 55 58 62 75 74 66 60 71 70 74 72 71 67 57 57 61 70 72 76
	21/11/2019 9:15 21/11/2019 10:15 21/11/2019 10:15 21/11/2019 12:15 21/11/2019 13:15 21/11/2019 14:15 21/11/2019 16:15 21/11/2019 16:15 21/11/2019 17:15 21/11/2019 19:15 21/11/2019 21:15 21/11/2019 21:15 21/11/2019 21:15 21/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 11:15 22/11/2019 11:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 3:15 22/11/2019 4:15 22/11/2019 6:15 22/11/2019 6:15 22/11/2019 6:15 22/11/2019 6:15 22/11/2019 8:15	90 93 88 91 97 103 109 107 111 105 101 109 107 113 107 95 91 91 95 91 91 95 91 88 90 88 88	27/11/2019 11:44 27/11/2019 12:44 27/11/2019 13:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 17:44 27/11/2019 19:44 27/11/2019 19:44 27/11/2019 20:44 27/11/2019 21:44 27/11/2019 21:44 28/11/2019 12:44 28/11/2019 12:44 28/11/2019 12:44 28/11/2019 12:44 28/11/2019 3:44 28/11/2019 3:4	64 70 65 55 58 62 75 74 66 62 60 71 70 74 72 71 67 57 57 61 70 72 76 65
200	21/11/2019 9:15 21/11/2019 10:15 21/11/2019 11:15 21/11/2019 12:15 21/11/2019 13:15 21/11/2019 13:15 21/11/2019 14:15 21/11/2019 15:15 21/11/2019 17:15 21/11/2019 17:15 21/11/2019 18:15 21/11/2019 19:15 21/11/2019 21:15 21/11/2019 21:15 21/11/2019 21:15 22/11/2019 0:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 21:15 22/11/2019 3:15 22/11/2019 4:15 22/11/2019 5:15 22/11/2019 7:15 22/11/2019 7:15 22/11/2019 7:15 22/11/2019 8:15	90 93 88 91 97 103 109 107 111 105 101 109 107 113 107 95 91 91 91 95 91 91 95 91 91 88 90 88 86 98	27/11/2019 11:44 27/11/2019 12:44 27/11/2019 13:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 15:44 27/11/2019 19:44 27/11/2019 19:44 27/11/2019 20:44 27/11/2019 20:44 27/11/2019 20:44 28/11/2019 0:44 28/11/2019 0:44 28/11/2019 0:44 28/11/2019 3:44 28/11/2019 5:44 28/11/2019 10:44	$\begin{array}{c} 64 \\ 70 \\ 65 \\ 55 \\ 58 \\ 62 \\ 75 \\ 74 \\ 66 \\ 62 \\ 60 \\ 71 \\ 70 \\ 74 \\ 72 \\ 71 \\ 67 \\ 57 \\ 57 \\ 61 \\ 70 \\ 72 \\ 76 \\ 65 \\ 66 \end{array}$

Remark

AMS6 - Shatin Plaza

NOD 03-2018 Koau	widening and Kenomum

 1
 260
 Limit Level
 260

 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
 2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

Date and Time 15/11/2019 13:11	TSP Concentration (µg/m ³ )
15/11/2019 13:11	
15/11/2010 11/11	71
15/11/2019 14:11	73
15/11/2019 15:11	66
15/11/2019 16:11	65
15/11/2019 17:11	65
15/11/2019 18:11	71
15/11/2019 19:11	73
15/11/2019 20:11	62
15/11/2019 21:11	57
15/11/2019 22:11	71
15/11/2019 23:11	67
16/11/2019 0:11	72
16/11/2019 1:11	72
16/11/2019 2:11	55
16/11/2019 3:11	62
16/11/2019 4:11	77
16/11/2019 5:11	78
16/11/2019 6:11	65
16/11/2019 7:11	67
16/11/2019 8:11	74
16/11/2019 9:11	57
16/11/2019 10:11	73
16/11/2019 11:11	71
16/11/2019 12:11	65
Average	68
Action Level	165
Limit Level	260

<u>IS7A - Sheung V</u>		Dete and m	TCD Company to the function of the
Date and Time	TSP Concentration (µg/m ³ )	Date and Time	TSP Concentration (µg/m ³ )
4/11/2019 10:02	76	9/11/2019 13:26	31
4/11/2019 11:02	76	9/11/2019 14:26	29
4/11/2019 12:02	79	9/11/2019 15:26	39
4/11/2019 13:02	81	9/11/2019 16:26	44
/11/2019 14:02	81	9/11/2019 17:26	37
/11/2019 15:02	76	9/11/2019 18:26	31
/11/2019 16:02	70	9/11/2019 19:26	33
/11/2019 17:02	66	9/11/2019 20:26	40
/11/2019 18:02	60	9/11/2019 21:26	48
/11/2019 19:02	72	9/11/2019 22:26	40
/11/2019 20:02	70	9/11/2019 23:26	37
11/2019 21:02	66	10/11/2019 0:26	31
11/2019 22:02	68	10/11/2019 1:26	29
11/2019 23:02	74	10/11/2019 2:26	28
5/11/2019 0:02	70	10/11/2019 3:26	31
5/11/2019 1:02	68	10/11/2019 4:26	35
5/11/2019 2:02	74	10/11/2019 5:26	37
5/11/2019 3:02	66	10/11/2019 5:20	39
5/11/2019 5:02	62	10/11/2019 0:20	37
5/11/2019 4:02	68	10/11/2019 7.20	41
5/11/2019 5:02	68	10/11/2019 8:20	37
5/11/2019 6:02 5/11/2019 7:02	08 74	10/11/2019 9:26	37
5/11/2019 8:02	74	10/11/2019 11:26	42
/11/2019 9:02	72	10/11/2019 12:26	37
Average	71	Average	36
			171
Action Level	171	Action Level	171
Action Level Limit Level	171	Action Level	
Action Level Limit Level	171 260	Action Level Limit Level	260 TSP Concentration (µg/m³)
Action Level Limit Level te and Time 1/11/2019 9:28	171 260 TSP Concentration (µg/m³)	Action Level Limit Level Date and Time	260 TSP Concentration (µg/m³) 71
Action Level Limit Level te and Time 1/11/2019 9:28 11/2019 10:28	<u>171</u> 260 <b>TSP Concentration (µg/m³)</b> 76	Action Level Limit Level Date and Time 27/11/2019 13:16	260 TSP Concentration (µg/m³) 71
Action Level Limit Level te and Time 1/11/2019 9:28 11/2019 10:28 11/2019 11:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76	Action Level Limit Level 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16	260 TSP Concentration (µg/m³) 71 56 53
Action Level Limit Level 1/11/2019 9:28 /11/2019 10:28 /11/2019 11:28 /11/2019 12:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80	Action Level Limit Level 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 16:16	260 <b>TSP Concentration (μg/m³)</b> 71 56
Action Level Limit Level 1/11/2019 9:28 /11/2019 10:28 /11/2019 11:28 /11/2019 12:28 /11/2019 13:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 80 82	Action Level Limit Level 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16	260 TSP Concentration (µg/m³) 71 56 53 43 51
Action Level Limit Level (11/2019 9:28 (11/2019 9:28) (11/2019 10:28) (11/2019 11:28) (11/2019 12:28) (11/2019 12:28) (11/2019 14:28)	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 82 87	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 18:16	260 TSP Concentration (µg/m³) 71 56 53 43 51 63
Action Level Limit Level 1/11/2019 9:28 1/1/2019 10:28 1/1/2019 11:28 1/1/2019 12:28 1/1/2019 13:28 1/1/2019 14:28 1/1/2019 15:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89	Action Level Limit Level <b>Date and Time</b> 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 18:16 27/11/2019 18:16	260 TSP Concentration (µg/m³) 71 56 53 43 51 63 65
Action Level Limit Level 1/11/2019 9:28 1/11/2019 9:28 1/12/019 11:28 1/12/019 12:28 1/12/019 12:28 1/12/019 14:28 1/12/019 15:28 1/12/019 15:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 19:16 27/11/2019 19:16 27/11/2019 19:16	260 <b>TSP Concentration (μg/m³)</b> 71 56 53 43 51 63 65 60
Action Level Limit Level Action Level Limit Level Action 1/11/2019 9:28 (11/2019 10:28 (11/2019 12:28 (11/2019 12:28 (11/2019 14:28 (11/2019 15:28 (11/2019 16:28 (11/2019 17:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87 89 87 82	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 18:16 27/11/2019 20:16 27/11/2019 20:16	260 TSP Concentration (µg/m³) 71 56 53 43 51 63 65 60 59
Action Level Limit Level Action Level Limit Level Action 11/1/2019 9:28 (11/2019 10:28 (11/2019 12:28 (11/2019 13:28 (11/2019 14:28 (11/2019 15:28 (11/2019 16:28 (11/2019 16:28 (11/2019 18:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87 89 87 82 93	Action Level Limit Level	260 TSP Concentration (µg/m³) 71 56 53 43 51 63 65 60 59 55
Action Level Limit Level (11/2019 9:28 (11/2019 10:28 (11/2019 11:28 (11/2019 12:28 (11/2019 12:28 (11/2019 12:28 (11/2019 14:28 (11/2019 15:28 (11/2019 15:28 (11/2019 17:28 (11/2019 19:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87 89 87 82 93 100	Action Level Limit Level	260 TSP Concentration (µg/m³) 71 56 53 43 51 63 65 60 59 55 60
Action Level Limit Level 1/11/2019 9:28 (11/2019 10:28 (11/2019 11:28 (11/2019 11:28 (11/2019 13:28 (11/2019 13:28 (11/2019 15:28 (11/2019 16:28 (11/2019 17:28 (11/2019 18:28 (11/2019 19:28 (11/2019 19:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87 89 87 89 87 89 87 89 87 89 87 89 87 89 87 89 87 89 87 82 93 100 91	Action Level Limit Level <b>Date and Time</b> 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 18:16 27/11/2019 19:16 27/11/2019 20:16 27/11/2019 22:16 27/11/2019 22:16 27/11/2019 22:16 27/11/2019 22:16	260 TSP Concentration (µg/m³) 71 56 53 43 51 63 65 60 59 55 60 66
Action Level Limit Level Action Level 1/11/2019 9:28 /11/2019 10:28 /11/2019 11:28 /11/2019 12:28 /11/2019 13:28 /11/2019 14:28 /11/2019 14:28 /11/2019 17:28 /11/2019 19:28 /11/2019 19:28 /11/2019 20:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87 89 87 82 93 100 91 89	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 19:16 27/11/2019 20:16 27/11/2019 21:16 27/11/2019 23:16 28/11/2019 0:16 28/11/2019 1:16	260 <b>TSP Concentration (μg/m³)</b> 71 56 53 43 51 63 65 60 59 55 60 66 72
Action Level Limit Level Limit Level Limit Level Linit Level Linit Level Linit Level Linit Line Linit Line Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit Linit L	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87 89 87 82 93 100 91 89 82	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 19:16 27/11/2019 20:16 27/11/2019 22:16 27/11/2019 23:16 28/11/2019 0:16 28/11/2019 1:16	260 TSP Concentration (µg/m³) 71 56 53 43 51 63 65 60 59 55 60 66 72 70
Action Level Limit Level Ate and Time 1/11/2019 9:28 /11/2019 10:28 /11/2019 11:28 /11/2019 12:28 /11/2019 12:28 /11/2019 14:28 /11/2019 15:28 /11/2019 15:28 /11/2019 15:28 /11/2019 12:28 /11/2019 20:28 /11/2019 21:28 /11/2019 21:28 /11/2019 21:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87 89 87 82 93 100 91 89 82 87 89 87 82 93 100 91 89 82 87	Action Level Limit Level	260 TSP Concentration (μg/m³) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65
Action Level Limit Level <b>te and Time</b> 1/11/2019 9:28 11/2019 10:28 11/2019 11:28 11/2019 12:28 11/2019 13:28 11/2019 13:28 11/2019 15:28 11/2019 15:28 11/2019 17:28 11/2019 18:28 11/2019 21:28 11/2019 21:28 11/2019 23:28 2/11/2019 0:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87 82 93 100 91 89 82 87 82 87 82 87 82 87 82 87 82 87 82 87 82 87 82 87 82 87 82 87 82 87 89 82 83 83 84 85 86 86 87 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 87 88 88	Action Level Limit Level Date and Time 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 19:16 27/11/2019 20:16 27/11/2019 20:16 27/11/2019 20:16 27/11/2019 20:16 28/11/2019 20:16 28/11/2019 0:16 28/11/2019 0:16 28/11/2019 0:16 28/11/2019 0:16	260 TSP Concentration (µg/m³) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61
Action Level Limit Level Action Level 1/11/2019 9:28 (11/2019 10:28 (11/2019 11:28 (11/2019 13:28 (11/2019 13:28 (11/2019 13:28 (11/2019 15:28 (11/2019 15:28 (11/2019 15:28 (11/2019 15:28 (11/2019 15:28 (11/2019 22:28 (11/2019 22:28 (11/2019 23:28 (11/2019 0:28 (11/2019 0:28 (11/2019 0:28	171 260 <b>TSP Concentration (μg/m³)</b> 76 80 76 80 82 87 89 87 82 93 100 91 89 82 87 82 83 100 91 89 82 82 83 82 83 82 83 83 83 84 85 85 85 85 85 85 85 85 85 85	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 19:16 27/11/2019 20:16 27/11/2019 22:16 27/11/2019 22:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 21:16	260 TSP Concentration (µg/m³) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62
Action Level Limit Level Limit Level /11/2019 9:28 11/2019 10:28 11/2019 11:28 11/2019 13:28 11/2019 13:28 11/2019 14:28 11/2019 14:28 11/2019 14:28 11/2019 15:28 11/2019 19:28 11/2019 20:28 11/2019 22:28 11/2019 02:28 2/11/2019 02:28	171         260         TSP Concentration (μg/m³)         76         80         76         80         76         80         82         87         89         87         89         87         82         93         100         91         89         82         87         82         87         82         87         82         87         82         87         82         80         76	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 19:16 27/11/2019 20:16 27/11/2019 20:16 27/11/2019 22:16 27/11/2019 22:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 3:16	260 <b>TSP Concentration (μg/m³)</b> 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62 54
Action Level Limit Level Market And Time 1/11/2019 9:28 (11/2019 10:28 (11/2019 11:28 (11/2019 12:28 (11/2019 12:28 (11/2019 13:28 (11/2019 15:28 (11/2019 15:28 (11/2019 16:28 (11/2019 10:28 (11/2019 20:28 (11/2019 20:28)	171         260         TSP Concentration (μg/m³)         76         80         76         80         76         80         82         87         89         87         82         93         100         91         89         82         87         82         83         100         91         89         82         87         82         87         82         83         100         91         89         82         87         82         80         76         78	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 19:16 27/11/2019 19:16 27/11/2019 22:16 27/11/2019 22:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 11:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 3:16	260 TSP Concentration (μg/m³) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62 54 61
Action Level Limit Level Action Level (1/11/2019 9:28 (1/2019 10:28 (1/2019 10:28 (1/2019 12:28 (1/2019 12:28 (1/2019 12:28 (1/2019 14:28 (1/2019 15:28 (1/2019 15:28 (1/2019 12) (1/2019 12) (1/2019 20:28 (1/2019 20:28 (1/2019 22:28 (1/2019 22:28 (1/2019 12) (1/2019 12)	171         260         TSP Concentration (μg/m³)         76         80         76         80         76         80         76         80         76         80         76         80         76         80         76         80         81         82         93         100         91         89         82         87         82         87         82         81         82         82         83         84         85         80         76         78         82	Action Level Limit Level	260 <b>TSP Concentration (μg/m³)</b> 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62 54
Action Level Limit Level Action Level Limit Level 1/1/2019 9:28 /11/2019 10:28 /11/2019 12:28 /11/2019 12:28 /11/2019 14:28 /11/2019 15:28 /11/2019 15:28 /11/2019 15:28 /11/2019 12:28 /11/2019 20:28 /11/2019 20:28 /11/2019 20:28 /11/2019 20:28 /11/2019 20:28 /11/2019 20:28 /11/2019 12:28 /211/2019 12:28 /211/2019 3:28 /211/2019 3:28	171         260         TSP Concentration (μg/m³)         76         80         76         80         76         80         76         80         76         80         82         87         82         93         100         91         89         82         87         82         80         76         78         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82          82          82          82          82          82          82          82          82          82	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 19:16 27/11/2019 19:16 27/11/2019 22:16 27/11/2019 22:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 11:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 3:16	260 TSP Concentration (µg/m*) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62 54 61 61 66
Action Level Limit Level Action Level Market and Time 11/11/2019 9:28 (11/2019 10:28 (11/2019 11:28 (11/2019 12:28 (11/2019 13:28 (11/2019 13:28 (11/2019 13:28 (11/2019 13:28 (11/2019 12:28 (11/2019 22:28 (11/2019 22:28 (11/2019 23:28 (211/2019 23:28 (211/2019 3:28 (211/2019 3:28 (211/2019 3:28 (211/2019 3:28 (211/2019 3:28 (211/2019 3:28 (211/2019 3:28 (211/2019 3:28	171         260         TSP Concentration (μg/m³)         76         80         76         80         76         80         76         80         76         80         76         80         76         80         76         80         81         82         93         100         91         89         82         87         82         87         82         81         82         82         83         84         85         80         76         78         82	Action Level Limit Level	260 TSP Concentration (µg/m*) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62 54 61 61
Action Level Limit Level Action Level Intractional Content Intractional	171         260         TSP Concentration (μg/m³)         76         80         76         80         76         80         76         80         76         80         82         87         82         93         100         91         89         82         87         82         80         76         78         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82          82          82          82          82          82          82          82          82          82	Action Level Limit Level Date and Time 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 17:16 27/11/2019 19:16 27/11/2019 19:16 27/11/2019 22:16 27/11/2019 22:16 27/11/2019 22:16 28/11/2019 21:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16	260 TSP Concentration (µg/m*) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62 54 61 61 66
Action Level Limit Level Action Level Limit Level 11/1/2019 9:28 /11/2019 10:28 /11/2019 11:28 /11/2019 11:28 /11/2019 13:28 /11/2019 14:28 /11/2019 14:28 /11/2019 17:28 /11/2019 19:28 /11/2019 19:28 /11/2019 22:28 /11/2019 22:28 /11/2019 22:28 /11/2019 22:28 /11/2019 22:28 /11/2019 22:28 /11/2019 22:28 /11/2019 22:28 /11/2019 22:28 /21/1/2019 22:28 /21/1/2019 22:28 /21/1/2019 22:28 /21/1/2019 22:28 /21/1/2019 5:28 /21/1/2019 5:28 /21/1/2019 5:28	171 260 TSP Concentration (μg/m³) 76 80 76 80 82 87 89 87 82 93 100 91 89 82 87 82 87 82 87 82 80 76 78 82 82 82 82 85	Action Level Limit Level Date and Time 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 19:16 27/11/2019 19:16 27/11/2019 20:16 27/11/2019 22:16 27/11/2019 22:16 28/11/2019 21:16 28/11/2019 31:16 28/11/2019 31:16 28/11/2019 31:16 28/11/2019 31:16 28/11/2019 31:16 28/11/2019 31:16	260 TSP Concentration (µg/m³) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62 54 61 66 72 72
Action Level	171         260         TSP Concentration (μg/m³)         76         80         76         80         87         89         87         89         87         89         87         82         93         100         91         89         82         87         82         87         82         87         82         87         82         87         82         83	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 19:16 27/11/2019 20:16 27/11/2019 20:16 27/11/2019 21:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 3:16 28/11/2019 4:16 28/11/2019 4:16 28/11/2019 4:16 28/11/2019 4:16 28/11/2019 4:16 28/11/2019 10:16 28/11/2019 10:16 28/11/2019 10:16 28/11/2019 10:16	260 TSP Concentration (μg/m³) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62 54 61 61 66 72 69
Action Level Limit Level Limit Level (1/1/2019 9:28 (1/2019 10:28 (1/2019 11:28 (1/2019 11:28 (1/2019 12:28 (1/2019 12:28 (1/2019 13:28 (1/2019 14:28 (1/2019 15:28 (1/2019 16:28 (1/2019 17:28 (1/2019 20:28 (1/2019 22:28 (1/2019 22:28 (1/2019 22:28 (1/2019 23:28 (2/11/2019 23:28 (2/11/2019 23:28 (2/11/2019 128 (2/11/2019 5:28 (2/11/2019 5:28 (2/11/2019 5:28 (2/11/2019 5:28 (2/11/2019 5:28 (2/11/2019 5:28 (2/11/2019 5:28 (2/11/2019 5:28 (2/11/2019 5:28 (2/11/2019 5:28) (2/11/2019 5:28)	171         260         TSP Concentration (μg/m³)         76         80         76         80         76         80         76         80         76         80         76         80         82         87         82         93         100         91         89         82         87         82         87         82         80         76         78         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82         82         83         83         83          87       <	Action Level Limit Level 27/11/2019 13:16 27/11/2019 13:16 27/11/2019 14:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 15:16 27/11/2019 19:16 27/11/2019 19:16 27/11/2019 22:16 27/11/2019 22:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 21:16 28/11/2019 3:16 28/11/2019 3:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 5:16 28/11/2019 10:16 28/11/2019 10:16	260 TSP Concentration (μg/m [*] ) 71 56 53 43 51 63 65 60 59 55 60 66 72 70 65 61 62 54 61 61 62 54 61 61 66 72 69 60

Limit Level Remark

 260
 Limit Level
 260

 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
 2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

Date and Time 15/11/2019 14:44 15/11/2019 15:44	TSP Concentration (μg/m ³ ) 71
	/1
15/11/2019 15:44	(2)
	63
15/11/2019 16:44	69
15/11/2019 17:44	74
15/11/2019 18:44	72
15/11/2019 19:44	58
15/11/2019 20:44	61
15/11/2019 21:44	55
15/11/2019 22:44	66
15/11/2019 23:44	68
16/11/2019 0:44	77
16/11/2019 1:44	61
16/11/2019 2:44	84
16/11/2019 3:44	80
16/11/2019 4:44	73
16/11/2019 5:44	73
16/11/2019 6:44	64
16/11/2019 7:44	67
16/11/2019 8:44	60
16/11/2019 9:44	59
16/11/2019 10:44	69
16/11/2019 11:44	70
16/11/2019 12:44	57
16/11/2019 13:44	63
Average	67
Action Level	171
Limit Level	260

AMS 12 - Fung Wo	Fotote			
Date and Time	TSP Concentration (µg/m ³ )	Date and Time	TSP Concentration (µg/m ³ )	Date and Time
4/11/2019 10:20	58	9/11/2019 14:02	31	15/11/2019 15:20
4/11/2019 11:20	56	9/11/2019 15:02	31	15/11/2019 16:20
4/11/2019 12:20	65	9/11/2019 16:02	27	15/11/2019 17:20
4/11/2019 13:20	60	9/11/2019 17:02	33	15/11/2019 18:20
4/11/2019 14:20	60	9/11/2019 18:02	36	15/11/2019 19:20
4/11/2019 15:20	67	9/11/2019 19:02	40	15/11/2019 20:20
4/11/2019 16:20	71	9/11/2019 20:02	36	15/11/2019 21:20
4/11/2019 17:20	60	9/11/2019 21:02	29	15/11/2019 22:20
4/11/2019 18:20	56	9/11/2019 22:02	29	15/11/2019 23:20
4/11/2019 19:20	52	9/11/2019 23:02	33	16/11/2019 0:20
4/11/2019 20:20	49	10/11/2019 0:02	36	16/11/2019 1:20
4/11/2019 21:20	54	10/11/2019 1:02	36	16/11/2019 2:20
4/11/2019 22:20	50	10/11/2019 2:02	27	16/11/2019 3:20
4/11/2019 23:20	50	10/11/2019 3:02	27	16/11/2019 4:20
5/11/2019 0:20	47	10/11/2019 4:02	29	16/11/2019 5:20
5/11/2019 1:20	54	10/11/2019 5:02	29	16/11/2019 6:20
5/11/2019 2:20	56	10/11/2019 6:02	33	16/11/2019 7:20
5/11/2019 3:20	45	10/11/2019 7:02	25	16/11/2019 8:20
5/11/2019 4:20	43	10/11/2019 8:02	25	16/11/2019 9:20
5/11/2019 5:20	49	10/11/2019 9:02	29	16/11/2019 10:20
5/11/2019 6:20	56	10/11/2019 10:02	27	16/11/2019 11:20
5/11/2019 7:20	60	10/11/2019 11:02	27	16/11/2019 12:20
5/11/2019 8:20	60	10/11/2019 12:02	29	16/11/2019 13:20
5/11/2019 9:20	56	10/11/2019 13:02	25	16/11/2019 14:20
Average	56	Average	31	Average
Action Level	172	Action Level	172	Action Level
Limit Level	260	Limit Level	260	Limit Level
Date and Time	TSP Concentration (ug/m ³ )	Date and Time	TSP Concentration (ug/m ³ )	٦
Date and Time	TSP Concentration (µg/m ³ )	Date and Time	TSP Concentration (μg/m³)	7
21/11/2019 9:37	58	27/11/2019 13:45	71	-
21/11/2019 9:37 21/11/2019 10:37	58 60	27/11/2019 13:45 27/11/2019 14:45	71 81	]
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37	58 60 64	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45	71 81 80	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37	58 60 64 64	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45	71 81 80 76	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37	58 60 64 64 66	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 17:45	71 81 80 76 72	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37	58 60 64 64 66 58	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 18:45	71 81 80 76 72 76	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37	58 60 64 64 66 58 58 58	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 18:45 27/11/2019 19:45	71 81 80 76 72 76 80	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 15:37	58 60 64 64 66 58 58 58 66	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 18:45 27/11/2019 19:45 27/11/2019 20:45	71 81 80 76 72 76 80 82	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 15:37	58 60 64 64 66 58 58 58 66 66 64	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 16:45 27/11/2019 18:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 21:45	71 81 80 76 72 76 80 82 89	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 16:37 21/11/2019 17:37 21/11/2019 18:37	58 60 64 64 66 58 58 58 66 66 64 57	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 18:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 21:45 27/11/2019 22:45	71 81 80 76 72 76 80 82 89 84	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 17:37 21/11/2019 18:37 21/11/2019 18:37	58 60 64 66 58 58 66 64 57 66	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 17:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 21:45 27/11/2019 23:45	71 81 80 76 72 76 80 82 89 84 88	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 16:37 21/11/2019 18:37 21/11/2019 18:37 21/11/2019 19:37	58 60 64 66 58 58 58 66 64 57 66 64	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 21:45 27/11/2019 22:45 27/11/2019 23:45 27/11/2019 23:45	71 81 80 76 72 76 80 82 89 84 88 87	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 17:37 21/11/2019 18:37 21/11/2019 19:37 21/11/2019 19:37 21/11/2019 20:37 21/11/2019 21:37	58 60 64 64 66 58 58 58 66 64 57 66 66 64 60	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 16:45 27/11/2019 18:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 20:45 27/11/2019 22:45 27/11/2019 23:45 28/11/2019 0:45 28/11/2019 1:45	71 81 80 76 72 76 80 82 89 84 88 87 83	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 17:37 21/11/2019 19:37 21/11/2019 19:37 21/11/2019 12:37 21/11/2019 22:37	58 60 64 64 66 58 58 58 66 64 64 60 57	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 17:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 21:45 27/11/2019 22:45 27/11/2019 22:45 28/11/2019 0:45 28/11/2019 1:45 28/11/2019 1:45	71 81 80 76 72 76 80 82 89 84 88 87 83 76	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 17:37 21/11/2019 18:37 21/11/2019 19:37 21/11/2019 20:37 21/11/2019 21:37 21/11/2019 22:37 21/11/2019 23:37	58 60 64 64 66 58 58 58 66 64 64 57 66 64 60 57 55	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 16:45 27/11/2019 19:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 21:45 27/11/2019 21:45 27/11/2019 21:45 28/11/2019 01:45 28/11/2019 11:45 28/11/2019 21:45	71 81 80 76 72 76 80 82 89 84 88 87 83 76 79	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 20:37 21/11/2019 22:37 21/11/2019 22:37 21/11/2019 22:37 22/11/2019 23:37	58 60 64 66 58 58 66 64 57 66 64 60 57 55 55 55	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 21:45 27/11/2019 23:45 28/11/2019 1:45 28/11/2019 2:45 28/11/2019 3:45 28/11/2019 3:45	71 81 80 76 72 76 80 82 89 84 88 87 83 76 79 84	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 17:37 21/11/2019 18:37 21/11/2019 20:37 21/11/2019 21:37 21/11/2019 22:37 21/11/2019 23:37 21/11/2019 23:37 21/11/2019 23:37 21/11/2019 23:37	58 60 64 64 66 58 58 58 66 64 64 60 57 66 64 60 57 55 55 55 51	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 21:45 27/11/2019 21:45 27/11/2019 23:45 28/11/2019 2:45 28/11/2019 2:45 28/11/2019 3:45 28/11/2019 3:45 28/11/2019 3:45	71 81 80 76 72 76 80 82 89 84 88 87 83 76 79 84 86	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 15:37 21/11/2019 16:37 21/11/2019 16:37 21/11/2019 18:37 21/11/2019 18:37 21/11/2019 20:37 21/11/2019 22:37 21/11/2019 22:37 21/11/2019 23:37 22/11/2019 23:37 22/11/2019 13:37 22/11/2019 13:37	58 60 64 64 66 58 58 58 66 64 64 60 57 66 64 60 57 55 55 55 51 47	27/11/2019 13:45 27/11/2019 14:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 16:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 20:45 27/11/2019 21:45 27/11/2019 22:45 28/11/2019 2:45 28/11/2019 2:45 28/11/2019 3:45 28/11/2019 3:45 28/11/2019 3:45 28/11/2019 5:45 28/11/2019 5:45	71 81 80 76 72 76 80 82 89 84 88 87 83 76 79 84 86 88	
21/11/2019 9:37 21/11/2019 10:37 21/11/2019 11:37 21/11/2019 12:37 21/11/2019 13:37 21/11/2019 14:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 15:37 21/11/2019 19:37 21/11/2019 20:37 21/11/2019 22:37 21/11/2019 22:37 21/11/2019 23:37 22/11/2019 0:37 22/11/2019 0:37 22/11/2019 0:37 22/11/2019 23:37	58         60         64         64         65         58         58         66         64         67         66         64         60         57         55         51         47         57	27/11/2019 13:45 27/11/2019 13:45 27/11/2019 15:45 27/11/2019 15:45 27/11/2019 16:45 27/11/2019 17:45 27/11/2019 19:45 27/11/2019 20:45 27/11/2019 20:45 27/11/2019 21:45 27/11/2019 22:45 27/11/2019 23:45 28/11/2019 0:45 28/11/2019 1:45 28/11/2019 3:45 28/11/2019 3:45 28/11/2019 3:45 28/11/2019 5:45 28/11/2019 5:45 28/11/2019 5:45 28/11/2019 7:45	71 81 80 76 72 76 80 82 89 84 88 87 83 76 79 84 86 88 94	
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Remark

 260
 Limit Level
 260

 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
 2. The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

TSP Concentration ( $\mu g/m^3$ )

61

 $\begin{array}{c} 68\\ 66\\ 71\\ 60\\ 67\\ 72\\ 70\\ 57\\ 60\\ 68\\ 68\\ 65\\ 66\\ 58\\ 75\\ 72\\ 68\\ 56\\ 67\\ 58\end{array}$ 

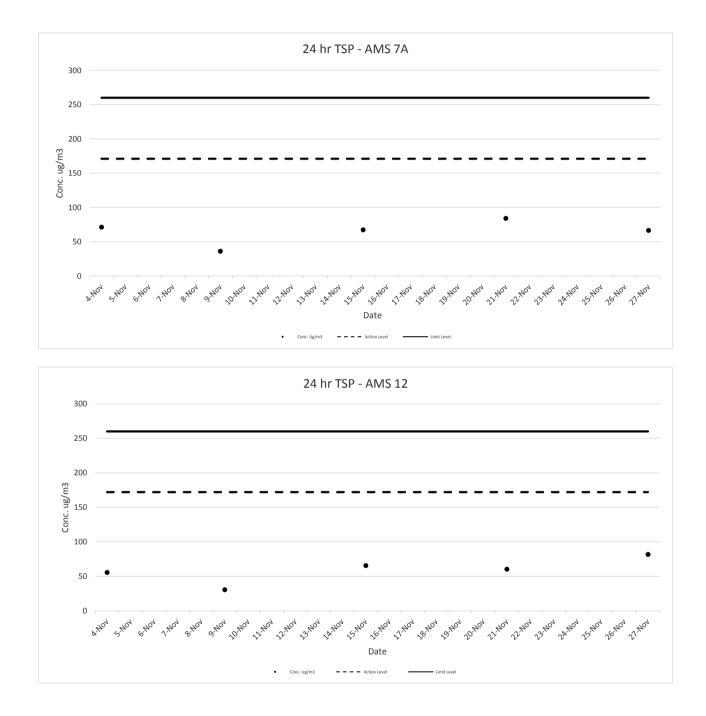
70

66

172

260





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Appendix G

**Noise Monitoring Data** 

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NIVIS 1 SC	enery Court							
		Measured Noise Level Limit Level Construction Noise Level		Wind				
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linin Lever	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
5-Nov-19	13:12	67.4	63.0	68.5		67.4	Fine	0.7
15-Nov-19	10:56	67.9	63.0	69.0	71	67.9	Sunny	0.8
22-Nov-19	11:15	67.8	63.0	70.5	/ 1	67.8	Fine	1.2
28-Nov-19	8:50	62.2	58.9	64.5		62.2	Sunny	0.3

## NMS 1 Scenery Court

#### NMS 2 Villa Le Parc

		Measured Noise Level			Limit Loval	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linni Lever	Construction Noise Level	Weather	Speed
			Unit: dB(A) 30 Mins					(m/s)
5-Nov-19	8:30	61.2	75.5	62.5		61.2	Fine	0.9
15-Nov-19	8:32	58.6	51.0	59.5	75	58.6	Sunny	0.4
22-Nov-19	9:35	58.3	52.5	60.0	75	58.3	Fine	0.4
28-Nov-19	11:18	57.9	53.3	60.0		57.9	Sunny	0.6

#### NMS 3 Hilton Plaza

		Measured Noise Level			Limit Loval	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linin Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
5-Nov-19	11:37	66.6	62.5	68.0		66.6	Fine	0.9
15-Nov-19	10:16	67.0	62.5	69.5	75	67.0	Sunny	0.6
22-Nov-19	10:38	68.6	64.5	71.5	15	68.6	Fine	1.4
28-Nov-19	9:26	59.0	55.6	62.0		59.0	Sunny	0.6

#### NMS 4 Tin Liu

		Measured Noise Level			Limit Loval	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Lever	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
5-Nov-19	9:09	69.6	65.0	72.0		69.6	Fine	0.7
15-Nov-19	9:40	69.8	65.5	73.0	75	69.8	Sunny	0.5
22-Nov-19	10:12	71.6	67.0	74.5	10	71.6	Fine	0.4
28-Nov-19	13:22	65.0	61.0	68.0		65.0	Sunny	0.7

#### NMS 5A Wai Wah Centre

		Measured Noise Level		Limit Lovel	Construction Noise Level		Wind	
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
5-Nov-19	10:57	70.7	68.0	74.0		70.7	Fine	0.6
15-Nov-19	11:36	70.6	68.5	74.0	75	70.6	Sunny	0.3
22-Nov-19	9:59	73.1	69.0	76.5		73.1	Fine	0.6
28-Nov-19	10:12	69.9	67.0	72.3		69.9	Sunny	0.6

#### NMS 6A Wai Wah Centre

Date	Start Time	Measu L _{eq}	ured Noise L ₉₀	Level	Limit Level	Construction Noise Level	Weather	Wind Speed
		-eq	-30		: dB(A) 30 Mi	ns		(m/s)
5-Nov-19	10:21	68.7	66.5	72.0		68.7	Fine	0.7
15-Nov-19	13:00	69.0	66.5	72.0	75	69.0	Sunny	0.6
22-Nov-19	9:25	72.4	68.5	75.0	75	72.4	Fine	0.8
28-Nov-19	10:36	70.0	66.8	71.8		70.0	Sunny	0.8

#### NMS 7 Tin Liu

		Meas	ured Noise	e Level	Limit Lovel	Construction Noise Level		Wind	
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linnit Level	Construction Noise Lever	Weather	Speed (m/s)	
				Unit	Unit: dB(A) 30 Mins				
5-Nov-19	9:45	73.7	68.0	77.0		73.7	Fine	0.3	
15-Nov-19	8:30	63.7	58.0	67.5	75	63.7	Sunny	0.5	
22-Nov-19	10:46	73.4	68.5	78.0	75	73.4	Fine	0.6	
28-Nov-19	13:57	72.1	67.8	76.0		72.1	Sunny	0.9	

#### NMS 8 Shatin Plaza

		Measu	ured Noise	e Level		Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Limit Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
4-Nov-19	8:41	68.1	66.0	71.5		68.1	Fine	0.7
14-Nov-19	9:00	68.0	65.5	71.5	75	68.0	Sunny	0.7
21-Nov-19	8:32	71.3	67.0	74.5	75	71.3	Sunny	0.9
27-Nov-19	13:22	70.0	65.9	73.2	]	70.0	Fine	1.0

#### NMS 9 Lek Yuen Estate

	Measu	ured Noise	e Level		Construction Noise Lovel		Wind
Start Time	L _{eq}	L ₉₀	L ₁₀	Linin Level	Construction Noise Level	Weather	Speed
			Unit	: dB(A) 30 Mi	ns		(m/s)
9:53	66.4	63.0	67.5		66.4	Fine	1.4
14:17	67.5	64.0	70.0	75	67.5	Sunny	0.9
11:32	67.1	62.5	68.5	75	67.1	Sunny	0.3
11:03	69.7	65.8	72.5		69.7	Fine	0.5
	9:53 14:17 11:32	Start Time         Leq           9:53         66.4           14:17         67.5           11:32         67.1	Start Time         Leq         Lg0           9:53         66.4         63.0           14:17         67.5         64.0           11:32         67.1         62.5	Junit         Junit           9:53         66.4         63.0         67.5           14:17         67.5         64.0         70.0           11:32         67.1         62.5         68.5	Start Time         Last Level         Limit Level           Leq         L ₉₀ L ₁₀ Limit Level           Unit:         Unit:         dB(A) 30 Mi           9:53         66.4         63.0         67.5           14:17         67.5         64.0         70.0           11:32         67.1         62.5         68.5	Start Time         Land         Limit Level         Construction Noise Level           Land         Land         Limit Level         Construction Noise Level           9:53         66.4         63.0         67.5         64.0         70.0           11:32         67.1         62.5         68.5         67.1	Start Time         Law         Law         Limit Level         Construction Noise Level         Weather           9:53         66.4         63.0         67.5         66.4         Fine           14:17         67.5         64.0         70.0         75         67.1         Sunny           11:32         67.1         62.5         68.5         68.5         67.1         Sunny

#### NMS 10A Shatin Tsung Tsin School

		Measu	ured Noise	Level	l imit l evel	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀			Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
4-Nov-19	10:28	64.1	60.0	65.5		64.1	Fine	1.2
14-Nov-19	13:42	64.8	61.5	66.0	70	64.8	Sunny	0.4
21-Nov-19	9:05	63.2	59.0	64.5	10	63.2	Sunny	1.4
27-Nov-19	13:45	64.8	59.8	66.0		64.8	Fine	0.8

#### NMS 11 Sheung Wo Che

		Measu	ured Noise	e Level		Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linin Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
4-Nov-19	9:02	66.3	61.0	67.0		66.3	Fine	0.8
14-Nov-19	14:58	66.6	62.5	67.5	75	66.6	Sunny	0.6
21-Nov-19	10:22	67.0	63.5	69.5	75	67.0	Sunny	0.3
27-Nov-19	9:50	68.0	62.9	71.0		68.0	Fine	0.7

#### NMS 12 SKH Holy Spirit Primary School

		Measu	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀			Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
4-Nov-19	11:06	64.7	59.0	65.0		64.7	Fine	0.7
14-Nov-19	13:06	64.4	61.0	65.5	70	64.4	Sunny	1.3
21-Nov-19	9:41	63.6	60.0	65.5	70	63.6	Sunny	0.7
27-Nov-19	13:00	65.1	60.2	67.0		65.1	Fine	0.6

		Measu	ured Noise	e Level	Limit Loval	Construction Noise Level		Wind
Date Start T	Start Time	L _{eq}	L ₉₀	L ₁₀	Linin Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ins		(m/s)
4-Nov-19	11:41	66.7	62.5	68.0		66.7	Fine	0.9
14-Nov-19	10:58	66.7	64.5	69.0	75	66.7	Sunny	0.4
21-Nov-19	10:18	67.8	65.5	70.5	15	67.8	Sunny	0.7
27-Nov-19	11:09	67.3	63.9	70.2		67.3	Fine	0.5

#### NMS 13 Lek Yuen Estate

#### NMS 14 Sheung Wo Che

Date	Start Time	Measu L _{eq}	ured Noise L ₉₀	L ₁₀	Limit Level dB(A) 30 Mi	Construction Noise Level	Weather	Wind Speed (m/s)
4-Nov-19	9:36	65.7	61.0	66.5		65.7	Fine	0.6
14-Nov-19	11:33	65.7	61.0	66.5	75	65.7	Sunny	0.6
21-Nov-19	10:57	66.2	62.0	67.0	15	66.2	Sunny	0.6
27-Nov-19	10:26	66.3	61.8	68.2		66.3	Fine	0.9

#### NMS 15 Ha Wo Che

		Measu	ured Noise	e Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	$L_{eq}$	L ₉₀	L ₁₀	Linin Lever	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
5-Nov-19	9:26	64.7	60.0	65.5		64.7	Fine	1.2
15-Nov-19	9:59	64.8	60.5	67.5	75	64.8	Sunny	0.0
22-Nov-19	13:00	65.6	62.0	67.5	75	65.6	Fine	0.6
28-Nov-19	10:04	64.4	58.9	66.1		64.4	Sunny	0.6

#### NMS 16 Ha Wo Che

		Measu	ured Noise	e Level	Limit Level	Construction Noise Level		Wind
Date Start	Start Time	L _{eq}	L ₉₀	L ₁₀	Linin Lever	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
5-Nov-19	10:02	65.3	61.0	66.5		65.3	Fine	0.8
15-Nov-19	9:17	65.8	61.5	68.5	75	65.8	Sunny	0.8
22-Nov-19	13:36	66.2	63.5	68.5	10	66.2	Fine	0.4
28-Nov-19	10:49	65.4	59.5	67.2		65.4	Sunny	0.6

#### NMS 17 Shatin Pui Ying College

Date	Start Time	Meası L _{eq}	ured Noise L ₉₀	Level	Limit Level	Construction Noise Level	Weather	Wind Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
4-Nov-19	10:48	63.9	59.3	65.0		63.9	Fine	0.6
14-Nov-19	9:46	64.3	60.0	66.9	70	64.3	Sunny	1.1
21-Nov-19	11:30	64.6	62.0	66.5	,0	64.6	Sunny	0.8
27-Nov-19	9:40	63.7	60.2	66.0		63.7	Fine	0.5

#### NMS 18 Ha Wo Che

		Measu	ured Noise	e Level	Limit Level	Construction Noise Level		Wind	
Date	Start Time	$L_{eq}$	L ₉₀	L ₁₀	Linnit Level	Construction Noise Level	Weather	Speed	
			Unit: dB(A) 30 Mins						
5-Nov-19	10:38	65.1	60.0	66.0		65.1	Fine	1.0	
15-Nov-19	10:42	63.7	59.5	66.5	75	63.7	Sunny	0.8	
22-Nov-19	14:11	65.6	60.0	66.3	15	65.6	Fine	0.4	
28-Nov-19	11:19	66.1	61.0	68.9		66.1	Sunny	0.3	

Calculated CNL = Measured Noise Level during operation – Baseline (dB(A)).

#### NMS 19 Wo Che Estate

		Measu	ured Noise	e Level	l imit l evel	Construction Noise Level		Wind			
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level		Weather	Speed			
				Unit	: dB(A) 30 Mi	ns		(m/s)			
4-Nov-19	11:28	68.6	64.0	70.0		68.6	Fine	1.1			
14-Nov-19	9:08	70.6	66.3	73.5	75	70.6	Sunny	0.6			
21-Nov-19	13:12	71.8	67.5	74.0	15	71.8	Sunny	1.1			
27-Nov-19	9:06	69.2	65.0	72.1		69.2	Fine	0.8			

#### NMS 20 Wo Che Estate

		Measu	ured Noise	e Level		Construction Noise Level		Wind				
Date	Start Time	$L_{eq}$	L ₉₀	L ₁₀	Liniit Level	Construction Noise Level	Weather	Speed				
				Unit	: dB(A) 30 Mi	ns		(m/s)				
4-Nov-19	13:06	67.7	63.5	69.0		67.7	Fine	1.2				
14-Nov-19	8:33	69.6	66.0	73.3	75	69.6	Sunny	0.6				
21-Nov-19	13:07	68.9	66.0	71.5	15	68.9	Sunny	0.8				
27-Nov-19	9:42	69.0	64.3	72.0		69.0	Fine	0.8				

#### NMS 23 Pai Tau

		Measu	Measured Noise Level Limit Level Construction Noise Level					
Date	Start Time	$L_{eq}$	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				(m/s)				
5-Nov-19	8:44	66.5	62.0	67.5		66.5	Fine	1.1
15-Nov-19	11:27	62.8	58.5	65.0	75	62.8	Sunny	0.7
22-Nov-19	11:24	66.4	63.5	69.0	75	66.4	Fine	0.3
28-Nov-19	9:33	64.5	60.0	69.8		64.5	Sunny	0.7

#### NMS 24 Shatin Plaza

		Measu	ured Noise	e Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Liniit Level	Construction Noise Level	Weather	Speed
				(m/s)				
4-Nov-19	9:15	69.4	67.0	73.0		69.4	Fine	1.1
14-Nov-19	16:44	70.6	67.0	73.5	75	70.6	Sunny	0.7
21-Nov-19	9:06	72.6	67.5	75.5	15	72.6	Sunny	1.2
27-Nov-19	13:05	71.1	67.5	75.0		71.1	Fine	0.7

#### NMS 25A Sheung Wo Che

		Measu	ured Noise	e Level	Limit Lovel	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level		Weather	Speed
	Unit: dB(A) 30 Mins							
4-Nov-19	13:00	72.6	65.0	76.0		72.6	Fine	0.0
14-Nov-19	15:32	73.1	69.5	76.5	75	73.1	Sunny	0.3
21-Nov-19	9:48	74.2	70.0	78.5	10	74.2	Sunny	0.7
27-Nov-19	9:58	73.4	66.9	76.8		73.4	Fine	0.8

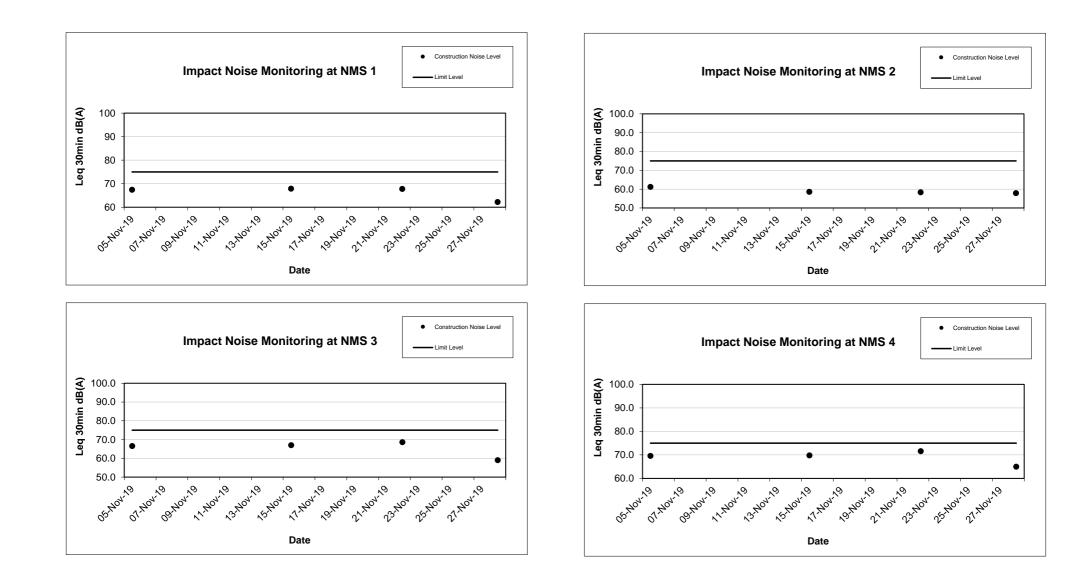
#### NMS 26 Wo Che Estate

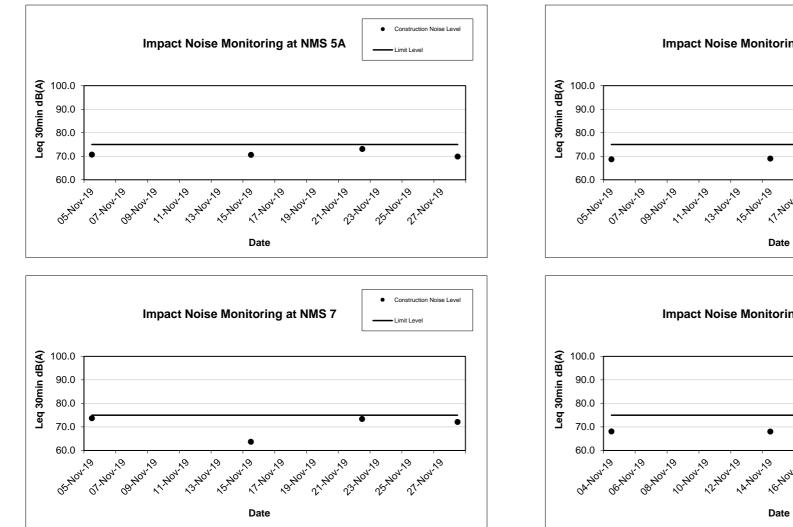
		Measu	ured Noise	e Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level		Weather	Speed
	Unit: dB(A) 30 Mins							
4-Nov-19	10:11	74.1	70.0	78.0		74.1	Fine	0.9
14-Nov-19	10:21	73.9	71.0	77.5	75	73.9	Sunny	0.8
21-Nov-19	10:55	73.3	70.5	76.5	75	73.3	Sunny	0.6
27-Nov-19	10:36	73.5	68.9	76.2		73.5	Fine	0.9

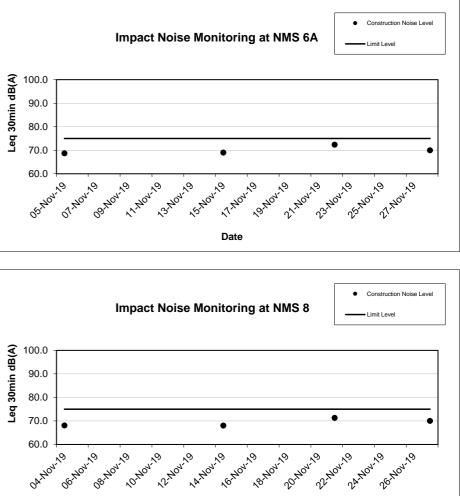
#### NMS 27 Jockey Club Ti-I College

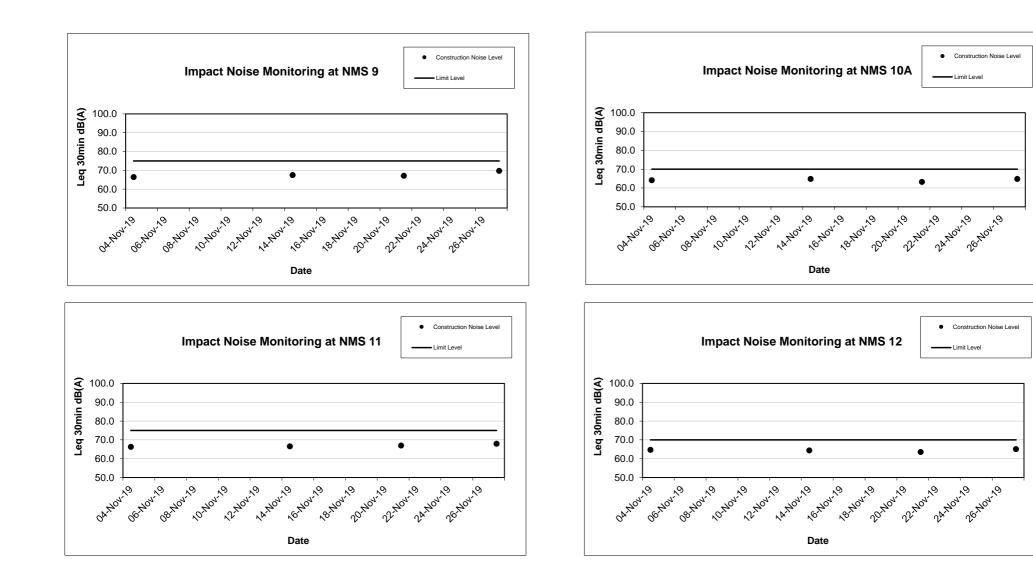
		Measured Noise Level Limit Level Construction Noise Level						Wind
Date	Start Time	$L_{eq}$	L ₉₀	L ₁₀	Linit Level	Construction Noise Lever	Weather	Speed
				(m/s)				
5-Nov-19	13:39	64.1	61.0	66.0	70	64.1	Fine	0.7
15-Nov-19	13:17	64.3	61.5	68.5	65*	64.3	Sunny	0.7
22-Nov-19	8:40	64.2	61.5	66.5	70	64.2	Fine	0.7
28-Nov-19	13:31	62.8	60.8	67.3	70	62.8	Sunny	0.7

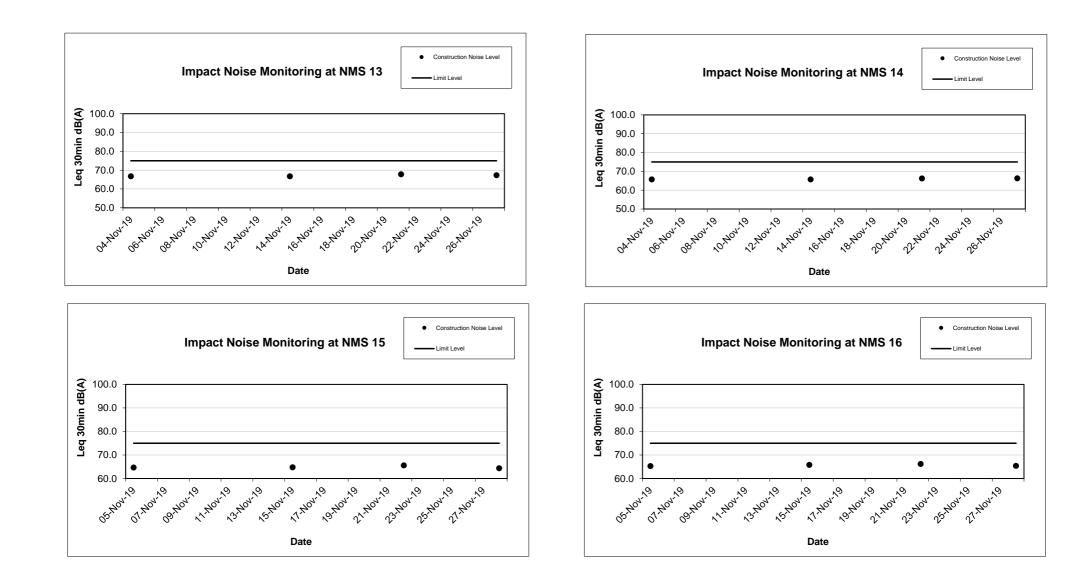
*Note: The examination period was 13 - 20 Nov for NMS 27. The examination schedule was provide in Appendix E. Calculated CNL = Measured Noise Level during operation – Baseline ( dB(A)).

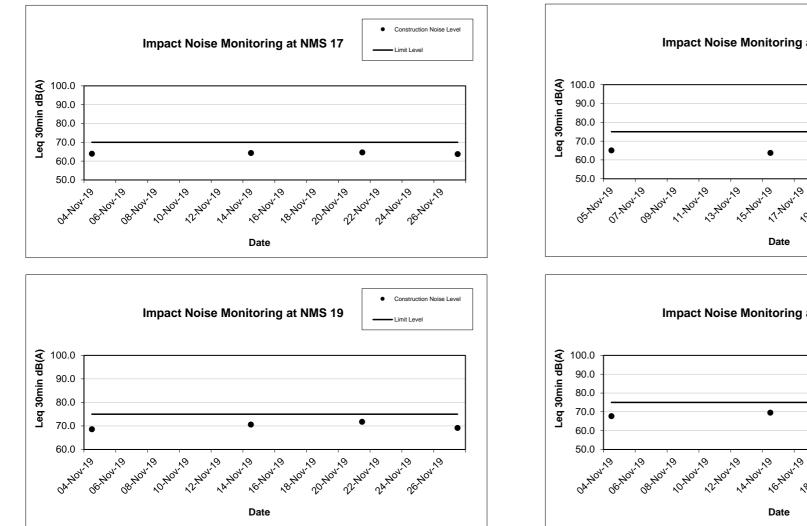


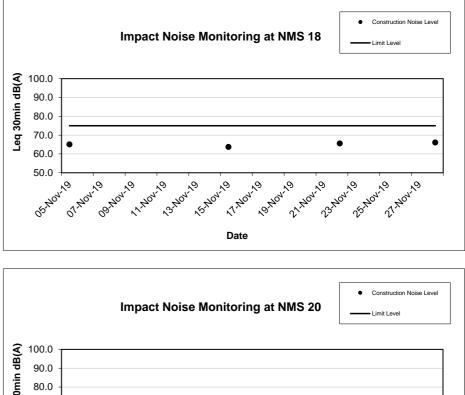


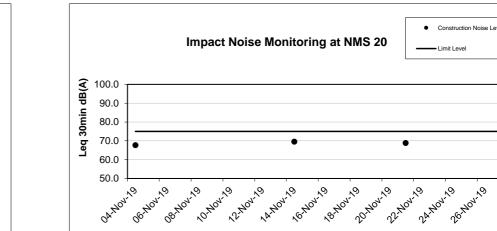


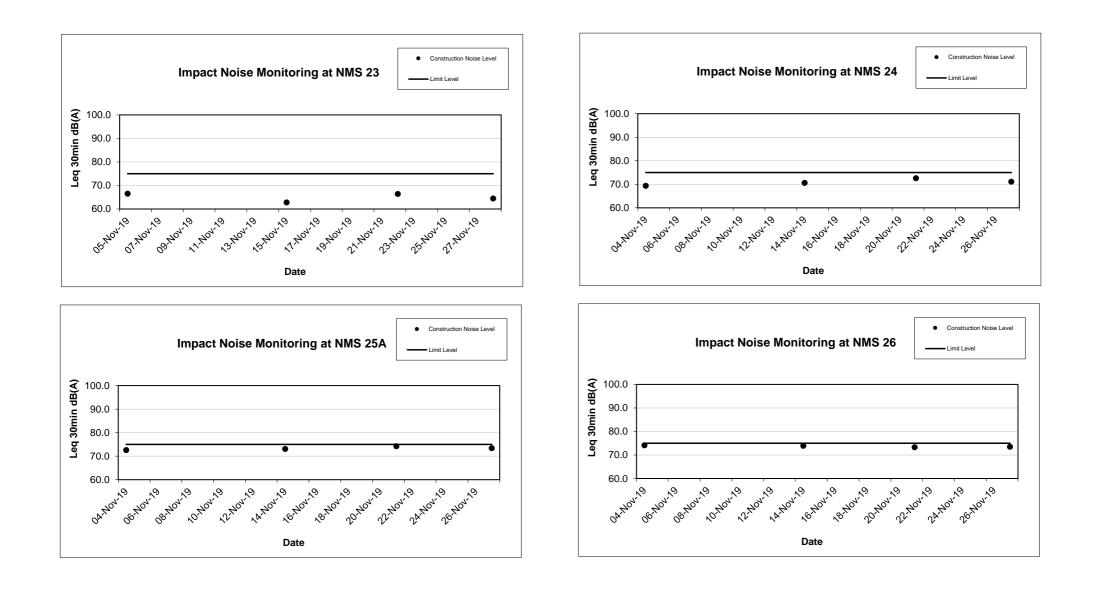


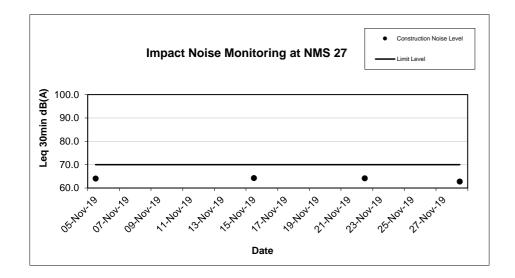












#### **NMS 1 Scenery Court**

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
7-Nov-19	23:04	60.7	61.4		55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.4</td></baseline*<>	Fine	0.4
14-Nov-19	23:00	58.5	61.4	52.8 - 66.3	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
21-Nov-19	23:00	59.1	61.4	52.0 - 00.3	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>1.6</td></baseline*<>	Fine	1.6
28-Nov-19	23:00	58.2	61.4		55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>1.2</td></baseline*<>	Fine	1.2

*Note: Measured Average Leq (15min) was lower than baseline level: 61.4 dB(A).

#### NMS 2 Villa Le Parc

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	3:09	46.3	49.7		55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.7</td></limit>	Fine	0.7
15-Nov-19	2:30	44.2	49.7	40.1 - 58.2	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.7</td></limit>	Fine	0.7
22-Nov-19	2:35	46.9	49.7	40.1 - 30.2	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
29-Nov-19	2:37	45.5	49.7		55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.5</td></limit>	Fine	0.5

*Note: Measured Average Leq (15min) was lower than Limit Level: 55 dB(A).

#### **NMS 3 Hilton Plaza**

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
7-Nov-19	23:03	62.1	70.9		55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5
14-Nov-19	23:05	64.2	70.9	60.2 - 78.9	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
21-Nov-19	23:00	62.1	70.9	00.2 - 70.9	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.2</td></baseline*<>	Fine	0.2
28-Nov-19	23:00	62.0	70.9		55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7

*Note: Measured Average Leq (15min) was lower than baseline level: 70.9 dB(A).

#### NMS 4 Tin Liu

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	2:41	53.8	62.6		55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
15-Nov-19	3:11	53.5	62.6	53.1 - 68.1	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
22-Nov-19	2:29	54.1	62.6	55.1 - 00.1	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
29-Nov-19	3:01	54.6	62.6		55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.8</td></limit>	Fine	0.8

*Note: Measured Average Leq (15min) was lower or equal to baseline level: 62.6 dB(A) or Limit Level: 55 dB(A).

#### NMS 5A Wai Wah Centre

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
7-Nov-19	23:29	67.6	67.9		55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.2</td></baseline*<>	Fine	0.2
14-Nov-19	23:26	68.1	67.9	62.0 - 75.2	55	54.6***	Fine	0.6
21-Nov-19	23:20	70.9	67.9	02.0 70.2	55	68.0**	Fine	0.5
28-Nov-19	23:30	67.9	67.9		55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>1.2</td></baseline*<>	Fine	1.2

*Note: Measured Average Leq (15min) was lower than baseline level: 67.9 dB(A).

**The Corrected Noise Level in Leq (15min) was lower than Limit Level: 55 dB(A).

***The Corrected Noise Level in Leq (15min) was greater than Limit Level: 55 dB(A). There was an exceedance. The exceedance is proved to be not project related by ET's investigation.

#### NMS 6A Wai Wah Centre

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
7-Nov-19	23:24	69.2	71.5		55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.4</td></baseline*<>	Fine	0.4
14-Nov-19	23:25	68.6	71.5	65.0 95.0	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
21-Nov-19	23:22	69.9	71.5	65.0 - 85.9	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.2</td></baseline*<>	Fine	0.2
28-Nov-19	23:23	68.2	71.5		55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6

*Note: Measured Average Leq (15min) was lower than baseline level: 71.5 dB(A).

#### NMS 7 Tin Liu

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	2:30	53.4	59.0	51.4 - 65.5	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
15-Nov-19	2:50	53.4	59.0	51.4 - 65.5	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
22-Nov-19	2:10	57.1	59.0	51.4 - 65.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.4</td></baseline*<>	Fine	0.4
29-Nov-19	2:43	55.5	59.0	51.4 - 65.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.4</td></baseline*<>	Fine	0.4

*Note: Measured Average Leq (15min) was lower than baseline level: 59.0 dB(A) or Limit Level: 55 dB(A).

#### NMS 8 Shatin Plaza

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
7-Nov-19	23:52	62.0	64.4	55.6 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.3</td></baseline*<>	Fine	0.3
14-Nov-19	23:46	55.2	64.4	55.6 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
21-Nov-19	23:43	59.2	64.4	55.6 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.2</td></baseline*<>	Fine	0.2
28-Nov-19	23:45	59.0	64.4	55.6 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6

*Note: Measured Average Leq (15min) was lower than baseline level: 64.4 dB(A).

#### NMS 9 Lek Yuen Estate

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	0:16	56.5	53.5	39.5 - 63.1	55	53.4*	Fine	0.1
15-Nov-19	0:09	55.6	53.5	39.5 - 63.1	55	51.4*	Fine	0.6
22-Nov-19	0:06	55.6	53.5	39.5 - 63.1	55	51.4*	Fine	0.2
29-Nov-19	0:07	57.1	53.5	39.5 - 63.1	55	54.5*	Fine	0.5

*The Corrected Noise Level in Leq (15min) was lower than Limit Level: 55 dB(A). **The Corrected Noise Level in Leq (15min) was greater than Limit Level: 55 dB(A). There was an exceedance. The exceedance is proved to be not project related by ET's investigation.

#### NMS 11 Sheung Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	1:46	48.0	53.2	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
15-Nov-19	2:10	48.7	53.2	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
22-Nov-19	1:18	49.9	53.2	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
29-Nov-19	1:59	47.9	53.2	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3

*Note: Measured Average Leq (15min) was lower than Limit Level: 55 dB(A).

#### NMS 13 Lek Yuen Estate

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	0:13	56.1	57.3	45.4 - 72.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
15-Nov-19	0:37	55.6	57.3	45.4 - 72.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
22-Nov-19	0:44	57.1	57.3	45.4 - 72.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
29-Nov-19	0:30	56.4	57.3	45.4 - 72.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7

*Note: Measured Average Leq (15min) was lower than baseline level: 57.3 dB(A).

#### NMS 14 Sheung Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	1:45	51.4	54.1	46.1 - 62.8	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>14:24</td></limit>	Fine	14:24
15-Nov-19	1:27	53.8	54.1	46.1 - 62.8	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>14:24</td></limit>	Fine	14:24
22-Nov-19	1:29	53.2	54.1	46.1 - 62.8	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>14:24</td></limit>	Fine	14:24
29-Nov-19	1:29	53.8	54.1	46.1 - 62.8	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>14:24</td></limit>	Fine	14:24

*Note: Measured Average Leq (15min) was lower than Limit Level: 55 dB(A).

**The Corrected Noise Level in Leq (15min) was lower than Limit Level: 55 dB(A).

#### NMS 15 Ha Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	1:26	55.5	58.8	48.4 - 69.7	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
15-Nov-19	1:42	53.3	58.8	48.4 - 69.7	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.0</td></limit>	Fine	0.0
22-Nov-19	1:58	53.2	58.8	48.4 - 69.7	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.7</td></limit>	Fine	0.7
29-Nov-19	1:36	54.8	58.8	48.4 - 69.7	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>1.1</td></limit>	Fine	1.1

*Note: Measured Average Leq (15min) was lower than baseline level: 58.8 dB(A) or Limit Level: 55 dB(A).

#### NMS 16 Ha Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	1:32	54.5	60.1	51.4 - 69.5	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.8</td></limit>	Fine	0.8
15-Nov-19	1:06	55.3	60.1	51.4 - 69.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.0</td></baseline*<>	Fine	0.0
22-Nov-19	1:08	56.2	60.1	51.4 - 69.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
29-Nov-19	1:09	58.3	60.1	51.4 - 69.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5

*Note: Measured Average Leq (15min) was lower than baseline level: 60.1 dB(A) or Limit Level: 55 dB(A).

#### NMS 18 Ha Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)		
8-Nov-19	1:16	50.1	63.2	56.0 - 72.1	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2		
15-Nov-19	0:49	58.4	63.2	56.0 - 72.1	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.0</td></baseline*<>	Fine	0.0		
22-Nov-19	0:50	54.2	63.2	56.0 - 72.1	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2		
29-Nov-19	0:51	55.6	63.2	56.0 - 72.1	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5		
*Note: Measu	*Note: Measured Average Leq (15min) was lower than baseline level: 63.2 dB(A) or Limit Level: 55 dB(A).									

#### NMS 19 Wo Che Estate

art Time	(15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Speed (m/s)
0:41	60.2	61.7	53.8 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
1:03	53.8	61.7	53.8 - 72.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.0</td></limit>	Fine	0.0
1:11	55.2	61.7	53.8 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
0:51	56.8	61.7	53.8 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.8</td></baseline*<>	Fine	0.8
	1:03 1:11 0:51	0:41         60.2           1:03         53.8           1:11         55.2           0:51         56.8	(dB(A))         C         C           0:41         60.2         61.7           1:03         53.8         61.7           1:11         55.2         61.7           0:51         56.8         61.7	(dB(A))         (dB(A))         (dB(A))           0:41         60.2         61.7         53.8 - 72.8           1:03         53.8         61.7         53.8 - 72.8           1:11         55.2         61.7         53.8 - 72.8           0:51         56.8         61.7         53.8 - 72.8	(dB(A))         (1.1.1)         (1.1.1)         (1.1.1)           0:41         60.2         61.7         53.8 - 72.8         55           1:03         53.8         61.7         53.8 - 72.8         55           1:11         55.2         61.7         53.8 - 72.8         55           0:51         56.8         61.7         53.8 - 72.8         55	(dB(A))         (a)         (a) <th(a)< th=""> <th(a)< <="" td=""><td>(dB(A))         (1 - C + C + C + C + C + C + C + C + C + C</td></th(a)<></th(a)<>	(dB(A))         (1 - C + C + C + C + C + C + C + C + C + C

*Note: Measured Average Leq (15min) was lower than baseline level: 61.7 dB(A) or Limit Level: 55 dB(A).

#### NMS 20 Wo Che Estate

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	1:01	53.7	57.7	48.6 - 71.7	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.7</td></limit>	Fine	0.7
15-Nov-19	1:22	50.9	57.7	48.6 - 71.7	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.0</td></limit>	Fine	0.0
22-Nov-19	1:29	53.4	57.7	48.6 - 71.7	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.7</td></limit>	Fine	0.7
29-Nov-19	1:29	54.5	57.7	48.6 - 71.7	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.7</td></limit>	Fine	0.7

*Note: Measured Average Leq (15min) was lower than Limit Level: 55 dB(A).

#### NMS 23 Pai Tau

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	2:17	52.0	59.9	47.8 - 69.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
15-Nov-19	1:55	51.3	59.9	47.8 - 69.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
22-Nov-19	1:57	50.9	59.9	47.8 - 69.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2
29-Nov-19	1:59	58.1	59.9	47.8 - 69.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5

*Note: Measured Average Leq (15min) was lower than baseline level: 59.9 dB(A) or Limit Level: 55 dB(A).

#### NMS 24 Shatin Plaza

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)	
7-Nov-19	23:47	57.3	58.0	50.2 - 66.7	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7	
15-Nov-19	0:02	56.4	58.0	50.2 - 66.7	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6	
22-Nov-19	0:12	57.7	58.0	50.2 - 66.7	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5	
28-Nov-19	23:58	57.8	58.0	50.2 - 66.7	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>1.0</td></baseline*<>	Fine	1.0	
*Note: Measured Average Leq (15min) was lower than baseline level: 58.0 dB(A).									

Thote: Measured Average Led (15min) was lower than baseline level. 50.0 db(A).

**The Corrected Noise Level in Leq (15min) was lower than Limit Level: 55 dB(A).

#### NMS 25A Sheung Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	2:09	54.3	59.7	50.3 - 68.4	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.5</td></limit>	Fine	0.5
15-Nov-19	2:28	46.9	59.7	50.3 - 68.4	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
22-Nov-19	1:38	47.6	59.7	50.3 - 68.4	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
29-Nov-19	2:19	50.1	59.7	50.3 - 68.4	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4

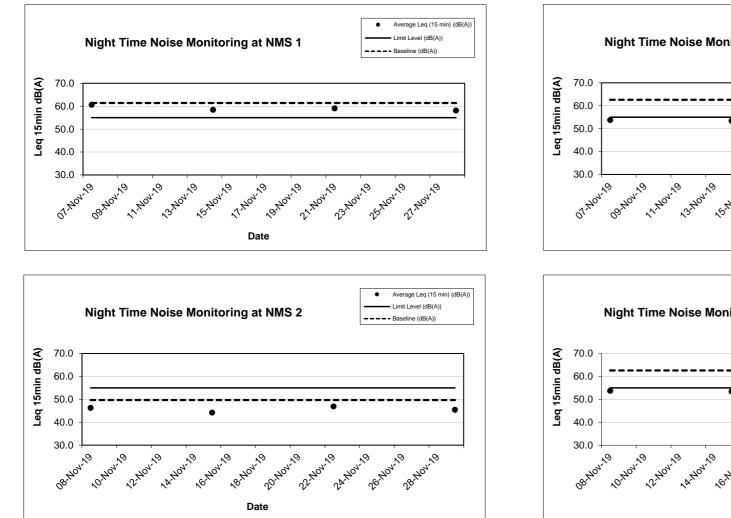
*Note: Measured Average Leq (15min) was lower than baseline level: 59.7 dB(A) or Limit Level: 55 dB(A).

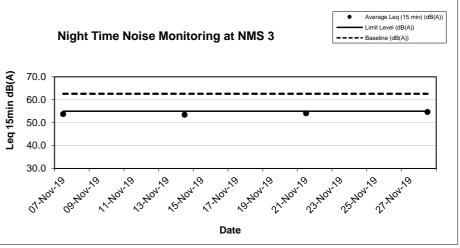
#### NMS 26 Wo Che Estate

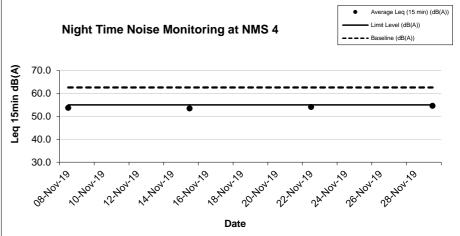
Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
8-Nov-19	0:44	65.9	61.2	45.7 - 70.1	55	64.1*	Fine	0.7
15-Nov-19	0:30	60.6	61.2	45.7 - 70.1	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.0</td></baseline*<>	Fine	0.0
22-Nov-19	0:31	59.0	61.2	45.7 - 70.1	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.8</td></baseline*<>	Fine	0.8
29-Nov-19	0:32	59.6	61.2	45.7 - 70.1	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
*Note: Measu	Anerova hor	eq (15min) was	ower than	hasoling loval 6	$12 dB(\Delta)$			

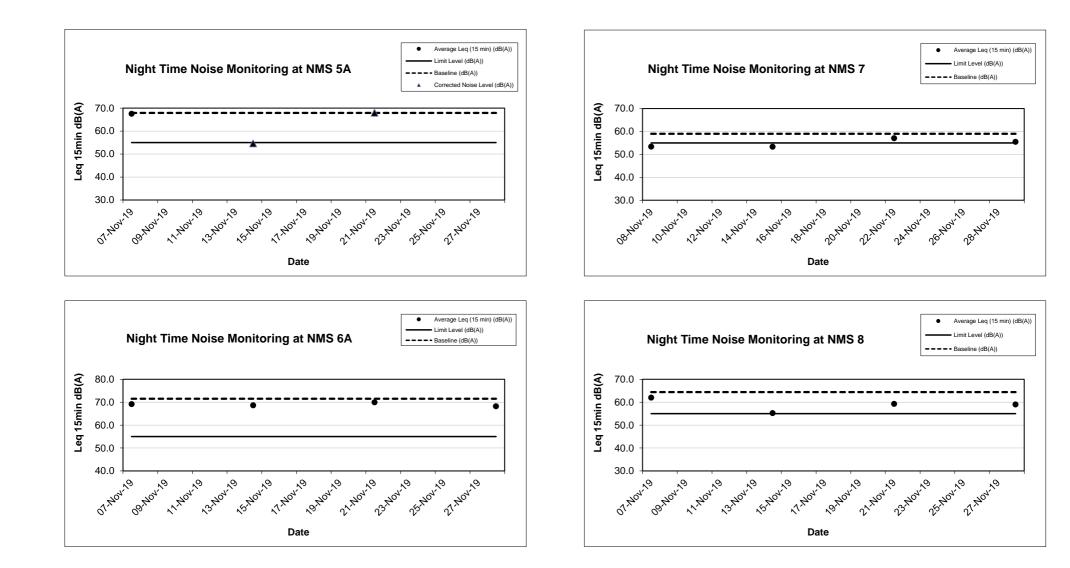
*Note: Measured Average Leq (15min) was lower than baseline level: 61.2 dB(A).

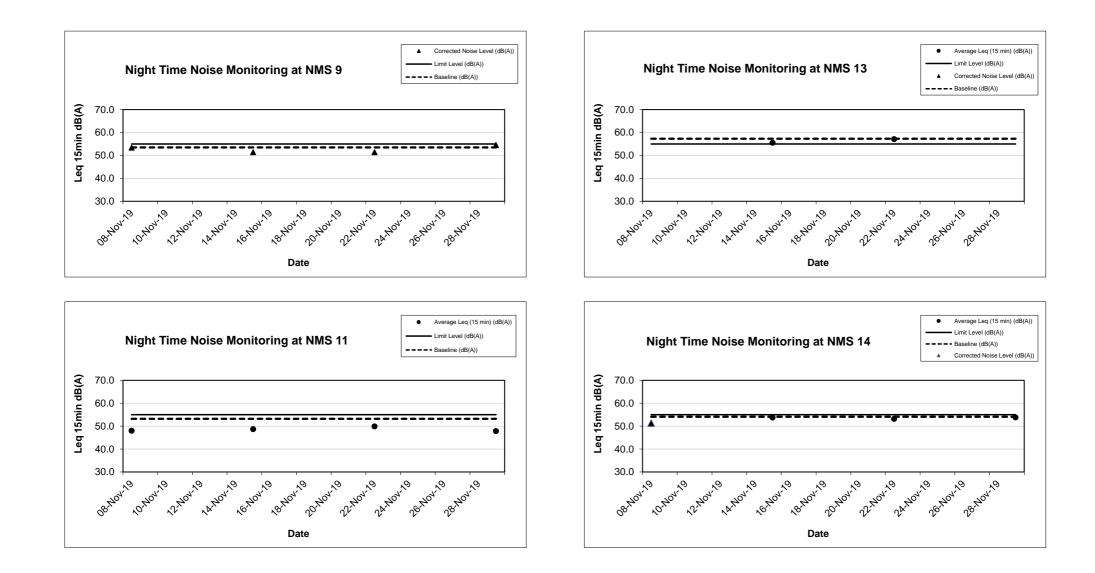
**The Corrected Noise Level in Leq (15min) was greater than Limit Level: 55 dB(A). There was an exceedance. The exceedance is proved to be not project related by ET's investigation.

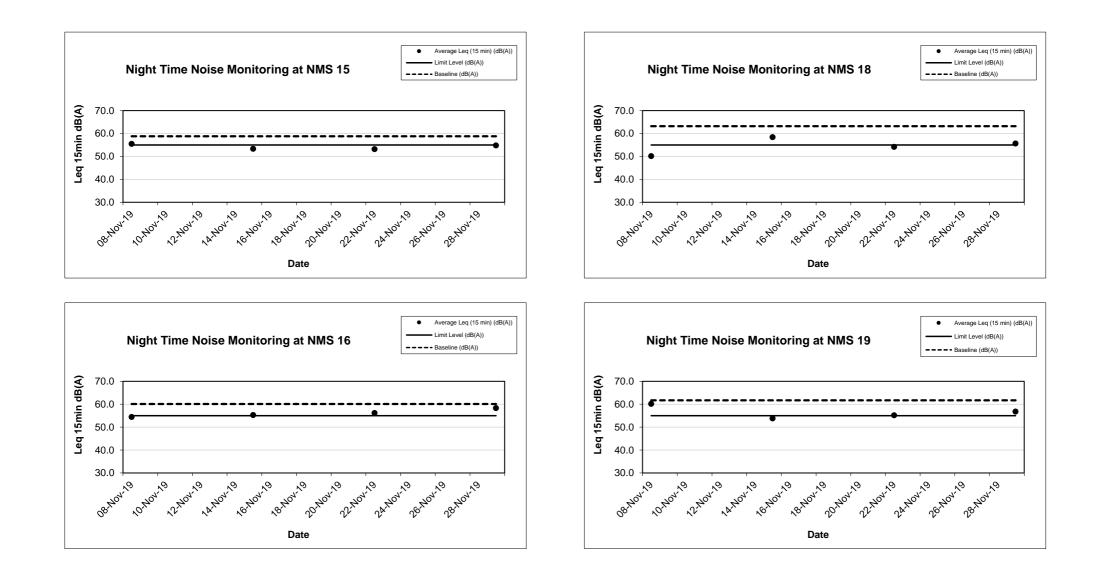


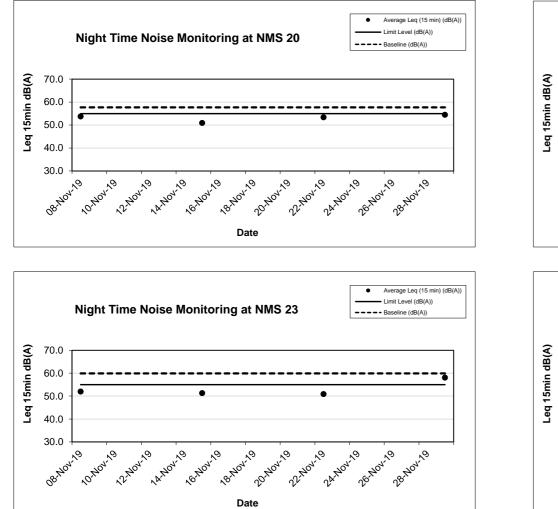


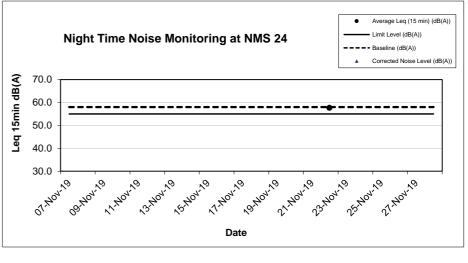


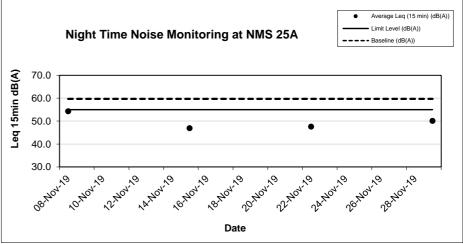


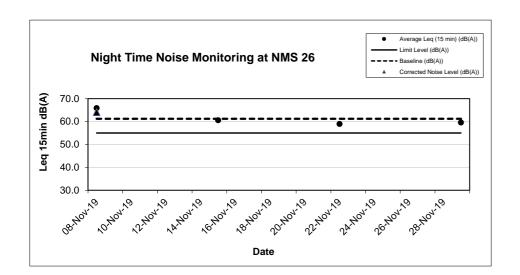












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Appendix H

**Events and Action Plan** 

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EVENT								
	ET Leader	IEC	SO	Contractor				
Action Level								
1. Exceedance for one sample	<ol> <li>Identify the source.</li> <li>Inform the IEC and the SO.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET Leader.</li> <li>Check Contractor's working method.</li> </ol>	1. Notify Contractor.	<ol> <li>Rectify any unacceptable practice.</li> <li>Amend working methods if appropriate.</li> </ol>				
2. Exceedance for two or more consecutive samples	<ol> <li>Identify the source.</li> <li>Inform the IEC and the SO.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> <li>Discuss with the IEC and the Contractor on remedial actions required.</li> <li>If exceedance continues, arrange meeting with the IEC and the SO.</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET Leader.</li> <li>Check the Contractor's working method.</li> <li>Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>Advise the SO on the effectiveness of the proposed remedial measures.</li> <li>Supervisor implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Ensure remedial measures properly implemente d.</li> </ol>	<ol> <li>Submit proposals for remedial actions to IEC within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Amend proposal if appropriate.</li> </ol>				
Limit Level								
1. Exceedance for one sample	<ol> <li>Identify the source.</li> <li>Inform the SO and the EPD.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> <li>Assess effectiveness of Contractor's remedial actions and keep the IEC, the EPD and the SO informed of the results.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET Leader.</li> <li>Check Contractor's working method.</li> <li>Discuss with the ET Leader and the Contractor on possible remedial measures.</li> <li>Advise the SO on the effectiveness of the proposed remedial measures.</li> <li>Supervisor implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance.</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification.</li> <li>Implement the agreed proposals.</li> <li>Amend proposal if appropriate.</li> </ol>				
2. Exceedance	1. Notify the IEC, the SO and the EPD and the	1. Discuss amongst the SO, ET	<ol> <li>Confirm receipt of</li> </ol>	1. Take immediate action to avoid				

#### Event and Action Plan for Construction Dust Monitoring

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EVENT				
	ET Leader	IEC	SO	Contractor
for two or more consecutive samples	<ol> <li>Contractor.</li> <li>Identify the source.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency to daily.</li> <li>Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented.</li> <li>Arrange meeting with the IEC and the SO to discuss the remedial actions to be taken.</li> <li>Assess effectiveness of Contractor's remedial actions and keep the IEC, the EPD and the SO informed of the results.</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	Leader and the Contractor on the potential remedial actions. 2. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly. 3. Supervisor implementation of remedial measures.	<ul> <li>notification of failure in writing.</li> <li>2. Notify the Contractor.</li> <li>3. In consultation with the Contractor on the remedial measures to be implemented.</li> <li>4. Ensure remedial measures are properly implemented.</li> <li>5. If exceedance continues, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated.</li> </ul>	further exceedance. 2. Submit proposals for remedial actions to IEC within 3 working days of notification. 3. Implement the agreed proposals. 4. Resubmit proposals if problem still not under control. 5. Stop the relevant activity of works as determined by the SO until the exceedance is abated.

# FUGRO TECHNICAL SERVICES LIMITEDFugro Development Centre,Tel: +852 2450 8233

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#### **Event and Action Plan for Noise Impact**

EVENT		ACTION	N	
	ET Leader	IEC	SO	Contractor
Action Level	<ol> <li>Notify the IEC and the Contractor.</li> <li>Carry out investigation.</li> <li>Report the results of investigation to the IEC.</li> <li>Discuss with the Contractor and formulate remedial measures.</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> </ol>	<ol> <li>Review the analysed results submitted by the ET.</li> <li>Review the proposed remedial measures by the Contractor and advise the SO accordingly.</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Require the Contractor to propose remedial measures for the analysed noise problem.</li> <li>Ensure remedial measures are properly implemented.</li> </ol>	<ol> <li>Submit noise mitigation proposals to IEC.</li> <li>Implement noise mitigation proposals.</li> </ol>
Limit Level	<ol> <li>Notify the IEC, the SO and the Contractor.</li> <li>Identify the source.</li> <li>Repeat measurement to confirm findings.</li> <li>Increase monitoring frequency.</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented.</li> <li>Inform the IEC, the SO and the EPD the causes &amp; actions taken for the exceedance.</li> <li>Assess effectiveness if the Contractor's remedial actions and keep the IEC and the SO informed of the results.</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Discuss amongst the SO, the ET Leader and the Contractor on the potential remedial actions.</li> <li>Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise the SO accordingly.</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing.</li> <li>Notify the Contractor.</li> <li>Require the Contractor to propose remedial measures for the analysed noise problem.</li> <li>Ensure remedial measures are properly implemented.</li> <li>If exceedance continues, consider what activities of the work is responsible and instruct the Contractor to stop that activity of work until the exceedance is abated.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance,</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification.</li> <li>Implement the agreed proposals</li> <li>Resubmit proposals if problem still not under control</li> <li>Stop the relevant activity of works as determined by the SO until the exceedance is abated.</li> </ol>

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#### Event and Action Plan for Landscape and Visual Impact

Event			Action	
Event		ET	SO	Contractor
Non-conformity one occasion	on	<ol> <li>Identify Source;</li> <li>Inform the Contractor and the SO;</li> </ol>	<ol> <li>Notify Contractor; and</li> <li>Ensure remedial measures are</li> </ol>	<ol> <li>Amend working methods;</li> <li>Rectify damage and undertake</li> </ol>
		<ol> <li>Discuss remedial actions with the SO and the Contractor; and</li> <li>Monitor remedial</li> </ol>	properly implemented.	any necessary replacement.
		actions until rectification has been completed		
Repeated conformity	Non-	<ol> <li>Identify Source;</li> <li>Inform the Contractor and the SO;</li> </ol>	<ol> <li>Notify Contractor; and</li> <li>Ensure remedial measures are</li> </ol>	<ol> <li>Amend working methods;</li> <li>Rectify damage and undertake</li> </ol>
		<ol> <li>Increase monitoring frequency;</li> </ol>	properly implemented.	any necessary replacement.
		4. Discuss remedial actions with the SO and the Contractor;		
		5. Monitor remedial actions until rectification has been completed; and		
		6. If exceedance stops, cease additional monitoring.		

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Appendix I

Waste Flow Table

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Waste Flow	aste Flow Table for Year 2018												
		Actual Quantities of Inert C&D Materials Generated Monthly					Actual	Quantities of Non-	inert C&D Wast	es Generated M	onthly		
Monthly Ending	Total Quantity Generated (Inert C&D)	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse		
	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³ )		
2018 Jan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2018 Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2018 Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2018 Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2018 May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2018 Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Sub-Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2018 Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2018 Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2018 Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
2018 Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013		
2018 Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004		
2018 Dec	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001		
Total	0.001	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.018		

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Waste Flow	aste Flow Table for Year 2019											
		Actual Quantities of Inert C&D Materials Generated Monthly					Actual	Quantities of Non-	-inert C&D Wast	es Generated M	lonthly	
Monthly Ending	Total Quantity Generated (Inert C&D)	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse	
	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³ )	
2019 Jan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	
2019 Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	
2019 Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	
2019 Apr	0.100	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.089	
2019 May	0.150	0.000	0.000	0.000	0.150	0.000	0.000	0.000	0.000	0.000	0.175	
2019 Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.082	
Sub-Total	0.250	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.464	
2019 Jul	0.141	0.000	0.000	0.000	0.141	0.000	0.000	0.000	0.000	0.000	0.069	
2019 Aug	0.431	0.000	0.221	0.000	0.210	0.000	0.000	0.000	0.000	0.000	0.154	
2019 Sep	0.712	0.000	0.223	0.000	0.489	0.297	0.000	0.000	0.000	0.000	0.046	
2019 Oct	0.663	0.000	0.306	0.000	0.357	1.085	0.001	0.027	0.009	0.000	0.027	
2019 Nov	1.154	0.000	0.143	0.000	1.011	0.428	0.000	0.019	0.000	0.000	0.095	
2019 Dec												
Total	3.351	0.000	0.893	0.000	2.458	1.810	0.001	0.046	0.009	0.000	0.855	

Note:

1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.

3) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total

amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m³.

4) Figure highlighted in RED color is updated data for previous month, such as the EPD's updated record and internal transfer.

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Appendix J

**Environmental Mitigation Implementation Schedule (EMIS)** 

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		Noise Measures		
		<ul> <li>Scheduling the construction activities carefully according to the actual site work situation, avoid of concurrent activities and construction works fronting the affected schools, to minimize the total noise generated (max as 102dB (A).</li> </ul>	Contractor	Implemented
		<ul> <li>PME is recommended to operate in sub-grouping, and different sub-groups shall not be operated concurrently within any half hour period</li> </ul>	Contractor	Implemented
		<ul> <li>The construction activities should be carried out in the daytime hours (0700 – 1900). Construction Noise Permit (CNP) for constriction activities is required during evening or night time hours.</li> </ul>	Contractor	Implemented
3.10.2, 3.10.3, 3.10.14,		<ul> <li>Construction work programme should be considered before actual construction work is undertaken, and noise mitigation measures should be implemented to minimize the potential construction noise impact. Selection and optimization of construction programmes, avoidance and reduction of parallel operation of noisy PME during noise sensitive periods.</li> </ul>	Contractor	Implemented
3.10.15 and Table 3.10		<ul> <li>Use of well-maintained and regularly-serviced plant during the works.</li> </ul>	Contractor	Implemented
Table 5.10		<ul> <li>Plant operating on intermittent basis should be turned off or throttled down when not in active use.</li> </ul>	Contractor	Implemented
	Within the boundaries of	<ul> <li>Plant that is known to emit noise strongly in one direction should be orientated to face away from the NSRs.</li> </ul>	Contractor	Implemented
	all construction	<ul> <li>Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the works.</li> </ul>	Contractor	Not Applicable
	sites.	Fixed plants should be sited away from NSRs where possible.	Contractor	Not Applicable
		<ul> <li>Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.</li> </ul>	Contractor	Not Applicable
3.10.4, 3.10.5 and		<ul> <li>The use of particular plant with equipment quieter than those specified in the GW-TM are recommended to reduce the noise levels generated by the plant.</li> </ul>	Contractor	Not Applicable
Table 3.3		<ul> <li>Other type of quiet PME are allowed to use for their needs based on the actual construction conditions and programmes</li> </ul>	Contractor	Not Applicable
		• Temporary noise barriers provide noise attenuation by screening NSRs from stationary and mobile plants from direct line-of-sight in shadow zone.	Contractor	Not Applicable
3.10.6 to 3.10.9		<ul> <li>The use of 3m high moveable barriers with skid footing and a small cantilevered upper portion should be adopted. The barrier material shall have a surface mass of not less than 14kg/m² on skid footing with 25mm thick internal sound absorptive lining to achieve the maximum screening effect.</li> </ul>	Contractor	Not Applicable
		These temporary noise barriers should be located immediately adjacent to working area.	Contractor	Not Applicable

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		<ul> <li>The temporary noise barriers should be located along the working area to make sure the construction plant could be screened during all kinds of construction activities as far as practicable.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Noise jacket/muffler shall be used to cover the noisy part of the engine or at the engine exhaust of particular mobile plants respectively when temporary noise barriers are not practicable or noise reduction achieved is insufficient.</li> </ul>	Contractor	Not Applicable
		<ul> <li>For the stationary plant bored pile oscillator, temporary noise barriers of sufficient height with skid footing and small cantilevered upper portion should be provided.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Barrier material of surface density of at least 14 kg/m² is recommended in order to achieve the necessary screening effect.</li> </ul>	Contractor	Not Applicable
3.10.10		<ul> <li>Full noise enclosures should cover the PME or fixed plants such as air compressor.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the works;</li> </ul>	Contractor	Not Applicable
3.10.3		<ul> <li>Where possible fixed plants should be sited away from NSRs; and</li> </ul>	Contractor	Not Applicable
		<ul> <li>Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.</li> </ul>	Contractor	Not Applicable
	•	Air Quality Measures		
		<ul> <li>The Contractor shall notify any specific construction works as stated in the Air Pollution Control (Construction Dust) Regulation to the Authority before the commencement of such work. Dust mitigation measures stipulated in the Air Pollution Control (Construction Dust) Regulation should be implemented to control dust emissions from all construction work sites.</li> </ul>	Contractor	Implemented
4.12.1 and	boundaries of	<ul> <li>The Contractor shall undertake at all times to prevent dust nuisance as a result of his activities. Dust suppression measures such as the water spraying are necessary and should be installed to ensure that the air quality at the boundary of the site and at any sensitive receivers complies with the Hong Kong Air Quality Objectives.</li> </ul>	Contractor	Partially Implemented
4.12.2	all construction sites.	<ul> <li>The Contractor shall apply for a license or permit under the requirements of the relevant legislation (e.g. Air Pollution Control Ordinance and its subsidiary regulations) wherever applicable.</li> </ul>	Contractor	Implemented
		<ul> <li>Watering of unpaved areas, access roads, construction areas and dusty stockpiles shall be undertaken at least eight times daily during dry and windy weather. Watering of the haul road shall be undertaken four to eight times daily during dry or windy weather. Water sprays may be either fixed or mobile to follow individual areas to be wetted as and when required. Application of suitable wetting agents, such as dust suppression chemicals, shall be used in addition to water, especially during the dry season (October to December). It is also suggested that watering with</li> </ul>	Contractor	Implemented

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		complete coverage of active construction area eight times a day.		
		• Effective water sprays shall be used during the delivery and handling of all raw sand and aggregate, and other similar materials, wet dust is likely to be created and to dampen all stored materials during dry and windy weather.	Contractor	Implemented
		• Stockpiles of sand, aggregate or any other dusty materials greater than 20m ³ shall be enclosed on three sides, with walls extending above the pile and 1 meter beyond the front of the pile.	Contractor	Implemented
		<ul> <li>Suitable chemical wetting agent such as dust suppression chemical shall be used on completed cuts and fills to reduce wind erosion.</li> </ul>	Contractor	Not Observed
		<ul> <li>Areas within the construction site where there is a regular movement of vehicles shall have a paved surface and be kept clear of loose surface material.</li> </ul>	Contractor	Implemented
		• The Contractor shall restrict all motorized vehicles within the construction site, excluding those on public roads, to maximum speed of 20 km per hour and confine haulage and delivery vehicles to designated roadways inside the Site.		Implemented
		<ul> <li>Construction working areas should be restricted to a minimum practicable size.</li> </ul>	Contractor	Implemented
		<ul> <li>The Contractor shall ensure that no earth, rock or debris is deposited on public or private rights of way as result of his activities, including any deposits arising from the movement of plant or vehicles.</li> </ul>	Contractor	Implemented
4.12.1		• The Contractor shall provide a wheel washing facility at the exits from work areas to the satisfaction of the Engineer and to the requirements of the Commissioner of Police. Water in wheel washing facilities and sediment shall be changed and removed respectively at least once a month.		Not Applicable
		• The Contractor shall submit details of the wheel washing facilities, which shall be usable prior to any earthworks excavation activity on the construction site. The Contractor shall also provide a hard-surfaced road between any washing facility and the public road.	Contractor	Not Applicable
		<ul> <li>In the event of any spoil or debris from construction works being deposited on adjacent land, or steams, or any slit being washed down to any area, then all such spoil, debris or material and silt shall be immediately removed and the affected land and areas restored to their natural state by the Contractor to the satisfaction of the Engineer.</li> </ul>	Contractor	Not Applicable
		<ul> <li>If spoil cannot be immediately transported out of the Site, stockpiles should be stored in sheltered areas.</li> </ul>	Contractor	Implemented
		<ul> <li>Plant and vehicles shall be inspected annually to ensure that they are operating efficiently and that exhaust emissions are not causing a nuisance. All site vehicle exhausts should be directed vertically upwards or directed away from ground.</li> </ul>	Contractor	Implemented

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		•Construction dust monitoring shall be carried out at representative monitoring locations during the construction period.	Contractor	Implemented
4.12.1, 4.13.1 and Table 8.2		• Path for complaints and handling procedures should be set up and implement.	Contractor	Implemented
		<ul> <li>Dark smoke emission shall be control in accordance with the Air Pollution Control (Smoke) Regulation and ETWB TCW 19/2005.</li> </ul>	Contractor	Implemented
NA		<ul> <li>Plant and equipment should be well maintained to prevent dark smoke emission.</li> </ul>	Contractor	Implemented
		<ul> <li>Only approved or exempted Non-road Mobile Machineries (NRMMs) including regulated machines and non-road vehicles with proper labels are allowed to be used in specified activities on-site.</li> </ul>	Contractor	Implemented
		Water Quality Measures		
		<ul> <li>Silt-laden surface run-off should be prevented from directly entering the sensitive receivers during the construction works. The mitigation measures described below for the construction phase are in accordance with ProPECC PN 1/94:</li> </ul>		Partially Implemented
5.7		• Construction works should be programmed so as to minimise excavation during the wet season (April to September). If this is not possible then measures should be taken to minimise the areas exposed by covering temporary exposed slopes with tarpaulins or similar material, the protection of temporary road surfaces with gravel or crushed stone and the early reinstatement of final surfaces with hydro seed grass/shrub mixture. This latter measure would have the added benefit of reducing the windblown dust during the dry season. Where temporary covering of slopes is required this should be carried out before the onset of the rainfall or storm.	Contractor	Implemented
	construction sites.	<ul> <li>Existing and newly constructed open manholes should be covered and sealed to prevent run off and water borne debris entering the drainage network without having previously passed through a sediment trap.</li> </ul>		Implemented
		<ul> <li>Stock piles of construction materials, sand and gravel or excavated material should be covered with tarpaulins prior to rainstorms. The washing of material from the stockpiles directly into the storm drains should be prevented by passing the run off through a sediment trap.</li> </ul>	Contractor	Implemented
		• The surface water from the site should be discharged into storm water drain after passing through sand and silt traps designed to accommodate the maximum discharge from the site. Within the site channels, bunds or sandbags should be used to direct run off into the traps. Storm water from outwit	Contractor	Partially Implemented

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		the site should be prevented from washing over the site by the construction of interceptor channels at the site boundary. Both perimeter channels and the sedimentation traps should be constructed prior to the commencement of site formation and earthworks.		
		<ul> <li>The efficiency of the interceptor channels, traps and sedimentation chambers should be maintained by regular cleaning of accumulated silt and sand. Particular attention should be paid to maintenance following heavy rainfall and immediately after the issue of heavy rainfall warning by the Hong Kong Observatory.</li> </ul>	Contractor	Implemented
		<ul> <li>The ingress of rainwater into trenches should be minimised by the construction of bunds to prevent water flowing into the trench and covering by tarpaulins to prevent direct entry. The lengths of excavated trenches should be minimised and backfilled at the earliest opportunity. Water pumped from the trenches should be discharged to the storm water drains following passage through a suitable silt trap.</li> </ul>		Implemented
		<ul> <li>Any ground water seeping into any trenches or foundation works should be passed through a silt trap prior to discharge to the storm water drains.</li> </ul>	Contractor	Implemented
		<ul> <li>The water used for the washing down of mixing drums used for onsite batching of concrete and delivery lorries for off-site batched concrete should be recycled whenever possible.</li> <li>Wastewater generated from the washing which is discharged should be passed through a silt trap before discharge to the storm water system.</li> </ul>	Contractor	Not Applicable
		<ul> <li>The wastewater from the washing of the wheels and subframe of vehicles returning from the site onto public roads will contain suspended solids and debris. A washing bay should be provided at the exit from the site and should, where practicable, incorporate water recirculation. Water from the washing bay which is discharged to the storm water system should first be passed through a silt trap which also includes an oil/grease removal weir.</li> </ul>		Not Applicable
		<ul> <li>Plant maintenance areas should be paved to prevent waste oils soaking into the ground. Where possible the area should be undercover to minimise the formation of runoff and any runoff from the paved area passed through an oil trap before being discharged to the storm drains. Fuel storage tanks should be surrounded by bunds with a capacity of at least 150% of the storage capacity. The bunded areas should be able to be drained of rain water through the petrol interceptor and accumulated rain removed at regular intervals.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Waste oils from the site should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance and absorbent cloths and granules should be available for the cleanup of spillages.</li> </ul>	Contractor	Not Applicable

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		<ul> <li>Sewage from toilets and kitchens should be discharged directly into a foul sewer. If it is not possible to locate the site offices within easy access of a foul sewer a septic tank and soakaway should be constructed before the offices are occupied. Chemical toilets should be emptied on a daily basis and the contents taken to a foul sewer or the Sha Tin Sewage Treatment Works for disposal. Wastewater collected from canteen kitchens should be discharged to the foul sewers via grease traps which provide a minimum of 20 minutes retention during peak flow. All discharges into foul sewers and storm sewers should have to be complied with TM standards under WPCO.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Run off from roofed surfaces of site facilities should be collected and diverted to a storm water drain.</li> <li>Passage through a silt trap is only required if the water is diverted via open .channels which might accumulate solids during non-rainy periods or which intercept surface run off from unpaved areas.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Discharges from the site shall be required to meet the terms and conditions of a valid WPCO Water Pollution Control Ordinance (WPCO).</li> </ul>	Contractor	Implemented
		<ul> <li>Regular site inspection of the construction works shall be carried out to determine compliance with the Inspection should be included:</li> </ul>	e recommended n	nitigation measures.
		(i) The functioning of onsite surface water collection channels and sediment traps.	Contractor	Implemented
		(ii) The functioning of interception channels at the boundary of the works areas	Contractor	Implemented
		(iii) The covering of stockpiles of fill and construction materials and the routing of any run off through the sediment traps.	Contractor	Implemented
Section 12.6 of the		(iv) The pumping procedures for emptying trenches and other excavations and the use of silt traps prior to the discharge of the water to the storm water system.	Contractor	Implemented
Approved EIA Report		(v) The use of washwater for hosing down concrete mixing and delivery vehicles and other vehicles leaving the site and the routine of excess water from the facility through sediment traps.	Contractor	Not Applicable
		(vi) The operation of the plant maintenance areas to control small spillages and the correct management of the fuel storage bunded area.	Contractor	Not Applicable
		(vii) The connection of the site office wastewater discharge to an existing foul sewer if appropriate or the operation of the kitchen wastewater grease trap and the regular emptying of the chemical toilets	Contractor	Not Applicable
		(viii)The operation of the roof rain water collection and drainage system.	Contractor	Not Applicable
		Landscape and Visual Mitigation Measures		
Table 6.5		Construction Phase		

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		• Existing trees shall be preserved as much as possible. Detailed tree preservation and transplanting proposals shall be submitted to relevant government departments for approval in accordance with DEVB TC (W) No. 7/2015.		Implemented
	During construction	<ul> <li>Topsoil will be conserved as far as possible during the road improvement works and utilized during the replanting operations. The stock piling height of the topsoil will not be more than 2m.</li> </ul>	Contractor	Implemented
	within the Project	<ul> <li>Old and valuable trees (OVTs) identified in the Project Boundary shall be protected in accordance with ETWB TCW no. 29/2004.</li> </ul>	Contractor	Implemented
	Boundary.	<ul> <li>Night-time lighting glare shall be properly managed and control during construction so as to minimize any adverse visual impact on adjacent VSRs.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Decorative screen hoarding with design compatible with the surrounding landscape setting shall be erected along the southern boundary of Tai Po Road to mitigate any potential adverse impact on adjacent Pedestrian and Cyclists on Footpath/Bicycle Track.</li> </ul>		Not Applicable
		Operation Phase		
		• Compensatory planting shall be provided within and outside the project boundary where possible. Detailed compensatory planting proposal will be prepared in accordance with DEVB TC (W) No. 7/2015.	Contractor	Not Applicable
	During	<ul> <li>Planting shall be undertaken at the earliest practical time in the construction period. The planting proposal shall aim to strengthen the existing tree species and supplement the existing tree planting to provide an effective screen to ameliorate any potential landscape and visual impacts. The proposed species to be utilized for road improvement works shall be agreed with LCSD and future maintenance authorities. All the proposed species for compensatory planting shall be suitable for roadside streetscape planting.</li> </ul>	Contractor	Not Applicable
	within the Project Boundary.	• Provision of visually pleasing noise barriers and enclosures design shall be proposed. The design of these structures aims to minimize any potential visual impact and visually integrate the proposed structures into the adjacent landscape context. This should be achieved through the use of form, color, tones, materials and planting materials.	Contractor	Not Applicable
		<ul> <li>Aesthetically pleasing hard landscape treatment of the carriageway and roadside furniture shall be proposed, including development of chromatic themes in the architectural treatment of engineering structures, and the consideration of landscape lighting and special landscape features.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Shrubs and climbers planting are proposed on the facade of Noise Enclosures and Barriers to mitigate any adverse impact on adjacent VSRs in area where space for tree planting is not feasible.</li> </ul>	Contractor	Not Applicable

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		Waste Management Measures		
7.6.2 to 7.6.4	Within the boundaries of	• In accordance with ETWB TC (W) No. 19/2005 - Environmental Management on Construction Sites", the Contractor shall prepare and implement a Waste Management Plan (WMP) as part of the Environmental Management Plan (EMP). The EMP shall describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from the construction activities. Such a management plan should incorporate site specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval.	Contractor	Implemented
	all construction sites.	• The Contractor should implement the waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor.	Contractor	Implemented
		• Recommendations of good site practices and waste reduction measures should be stated in order to achieve avoidance and minimization of waste generation in the hierarchy.	Contractor	Implemented
7.6.5 to 7.6.6		• Environmental Management Plan (EMP) and trip-ticket system shall be implemented for monitoring management of waste.	Contractor	Implemented
		• Specific measures targeting the mitigation of impacts in works areas and the transportation of spoil off-site should be provided to minimize the potential impacts to the surrounding environment.	Contractor	Implemented
7.6.7	Within the boundaries of all construction	• To facilitate adoption of the best-practice philosophy, training shall be provided to all personnel working on site. The training shall promote the concept of general site cleanliness and clearly explain the appropriate waste management procedures defined in the EMP. Overall, the training should encourage all workers to reduce, reuse and recycle wastes.	Contractor	Implemented
	sites as well as	The contractor's environmental performance shall be monitored and controlled through the weekly environmental walks shall include:	environmental wal	ks. The items after the
	transportatio n routes to	• A review of the EMP in particular the suitability of the environmental measures on nuisance abatement and waste management adopted by the contractor;	Contractor	Implemented
7.6.8 to 7.6.9	designed	<ul> <li>The environmental performance of the contractor and his sub-contractors;</li> </ul>	Contractor	Implemented
	site disposal	• The effectiveness of the environmental measures on nuisance abatement and waste management implemented on the site, and any complaints received; and	Contractor	Implemented
	of materials/Pri	• The promptness of rectification or improvement actions of the Contractor on the defects and deficiencies identified during inspections of the site.	Contractor	Implemented
	or to and	• Waste shall only be disposed of at licensed sites and the WMP should include procedures to	Contractor	Implemented

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		ensure that illegal disposal of wastes does not occur. Only waste haulers authorized to collect the specific category of waste concerned should be employed and a trip ticket system shall be implemented for offsite disposal of inert C&D materials and non-inert C&D materials at public fill reception facilities and landfills, respectively. Appropriate measures should be employed to minimize windblown litter and dust during transportation by either covering trucks or transporting wastes in enclosed containers.		
7.6.10		<ul> <li>Work site(s) shall be arranged and managed to facilitate the proper management of wastes and materials. The WMP shall include plans indicating specific areas designated for the storage of particular types of waste, reusable and recyclable materials as well as areas and management proposals for any stockpiling areas. Waste storage areas should be well maintained and cleaned regularly. Specific provisions for different types of material are outlined below. In general, these areas should be designed to avoid cross contamination of materials as well as pollution of the surrounding environment.</li> </ul>	Contractor	Partially Implemented
		<ul> <li>In order to minimize the impact resulting from collection and transportation of C&amp;D material for off- site disposal, the excavated fill materials should be reused on site as backfill material as far as possible.</li> </ul>	Contractor	Implemented
		<ul> <li>Careful design, planning and good site management should be maintained in order to minimise over ordering and generation of surplus materials such as concrete, mortars and cement grouts. The design of formwork should maximise the use of standard wooden panels so that high reuse levels can be achieved. Alternatives such as steel formwork or plastic facing should be considered to increase the potential for reuse.</li> </ul>	Contractor	Implemented
7.6.11 to 7.6.14		<ul> <li>C&amp;D materials should be segregated on site into different waste and material types. The Contractor should clearly demonstrate in the EMP how he intends to maximise the reuse of C&amp;D material on-site. Where reuse of materials on site is not feasible, the Contractor should explore opportunities for recycling materials off-site, and inert C&amp;D materials shall be reused on site as much as possible.</li> </ul>	Contractor	Implemented
		<ul> <li>Paving bricks arising from existing pavement should be recycled on site as much as possible.</li> </ul>	Contractor	Not Applicable
		<ul> <li>Existing marginal roadside barriers comprise pre-cast units should be reused in the following widening works as much as possible,</li> </ul>	Contractor	Not Applicable
		• Existing bridge parapets comprise aluminum post and railings, which have a recyclable value and should be sold for reconditioning or reused for scrap metal as much as possible	Contractor	Not Applicable

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		<ul> <li>Any stockpile should be sited away from existing watercourses and suitably covered to prevent wind erosion and impacts on air and water quality.</li> </ul>	Contractor	Implemented
		<ul> <li>Chemical waste shall be handled in accordance with the Code of Practice on the Packaging, Hand as follows. Containers used for the storage of chemical wastes shall</li> </ul>		e of Chemical Wastes
		<ul> <li>be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed;</li> </ul>	Contractor	Implemented
		<ul> <li>have a capacity of less than 450L unless the specifications have been approved by the EPD; and</li> </ul>	Contractor	Implemented
		<ul> <li>display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354C).</li> </ul>	Contractor	Implemented
		The storage area for chemical wastes should:		
		<ul> <li>be clearly labelled and used solely for the storage of chemical waste;</li> </ul>	Contractor	Implemented
		<ul> <li>be enclosed on at least 3 sides;</li> </ul>	Contractor	Implemented
7.6.15 to 7.6.17		<ul> <li>have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest;</li> </ul>	Contractor	Implemented
7.0.17		have adequate ventilation;	Contractor	Implemented
		<ul> <li>be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste if necessary); and</li> </ul>	Contractor	Partially Implemented
		<ul> <li>be arranged so that incompatible materials are adequately separated.</li> </ul>	Contractor	Implemented
		The Contractor shall register with EPD as a Chemical Waste Producer. Waste oils and other chemical (Chemical Waste) (General) Regulation will require disposal by appropriate means and could require Appropriate means include disposal:		
		• via a licensed waste collector; and	Contractor	Implemented
		<ul> <li>to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility which also offers a chemical waste collection service and can supply the necessary storage containers; or</li> </ul>	Contractor	Implemented
		• to a reuser of the waste, under approval from EPD.	Contractor	Not Applicable
7.6.18 to 7.6.20		<ul> <li>General refuse generated on-site should be stored in enclosed bins or compaction units separate from construction and chemical wastes. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily or every second day basis to minimize odour, pest and litter</li> </ul>		Implemented

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		impacts. The burning of refuse on construction sites is prohibited by law.		
		<ul> <li>Separate labelled bins should be provided if feasible.</li> </ul>	Contractor	Not Observed
		<ul> <li>Office waste can be reduced through recycling of paper if volume is large enough to warrant collection. Participation in a local collection scheme should be considered if one is available.</li> </ul>	Contractor	Implemented
7.7.1		<ul> <li>All wastes produced during the construction of the Project shall be handled, stored, and disposed of in accordance with good waste management practices and relevant regulations and requirements.</li> </ul>	Contractor	Partially Implemented
		<ul> <li>The mitigation measures recommended in the EIA/EIA review report should form a basis of the WMP to be developed by the Contractor in the construction phase of the Project.</li> </ul>	Contractor	Implemented
EP 1.5		<u>General Condition</u>		
N.A	within the Project Boundary.	<ul> <li>The Permit Holder shall display conspicuously a copy of this Permit on the Project site(s) at all vehicular site entrance/exits or at a convenient location for public information at all times. The Permit Holder shall ensure that the most updated information about the Permit, including ant amended Permit, is displayed at such locations. If the Permit Holder surrenders a part or the whole of the Permit, the notice he sends to the Director shall also be displayed at the same locations as the original Permit. The suspended, varied or cancelled Permit shall be removed from display at the Project site(s).</li> </ul>	Contractor	Partially Implemented

Implementation status: Implemented / Partially Implemented / Not Implemented / Not Observed / Not Applicable

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Appendix K

Weather and Meteorological Conditions during Reporting Month

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	Mean		Air Temperature	9	Mean Relative	Total
Date	Pressure (hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Humidity (%)	Rainfall (mm)
			November 2019	)		
01	1015.7	29.3	25.7	24.0	73	0.0
02	1014.6	28.2	25.3	23.9	74	0.0
03	1013.9	28.8	25.7	23.8	74	0.0
04	1014.5	28.6	25.0	22.8	56	0.0
05	1013.4	27.4	23.9	21.6	56	0.0
06	1012.0	26.5	23.8	22.3	69	0.0
07	1013.7	26.9	23.8	21.4	56	0.0
08	1017.0	26.8	23.3	20.8	51	0.0
09	1017.6	26.0	22.7	20.4	62	0.0
10	1016.1	26.7	22.7	20.6	70	0.0
11	1014.7	26.8	23.1	20.9	72	0.0
12	1016.4	25.2	23.3	22.3	78	0.0
13	1018.3	26.8	24.1	22.3	75	0.0
14	1018.9	25.9	23.0	21.1	64	0.0
15	1016.9	25.7	22.8	21.5	70	0.0
16	1015.7	25.6	22.5	21.5	76	0.0
17	1015.0	26.5	23.4	21.4	79	0.0
18	1015.7	28.4	24.3	20.6	69	0.0
19	1018.4	22.7	20.5	17.9	63	0.0
20	1019.5	24.0	21.1	19.4	66	0.0
21	1018.9	25.2	21.7	19.2	66	Trace
22	1017.1	26.3	22.3	19.6	66	0.0
23	1016.9	26.9	23.3	21.4	78	0.0
24	1017.5	27.4	23.4	21.1	77	0.0
25	1019.6	26.6	23.8	22.4	73	0.0
26	1020.7	23.4	22.0	21.0	76	Trace
27	1020.0	24.8	22.3	21.1	78	0.0
28	1021.9	23.1	20.3	18.0	61	0.0
29	1022.3	22.6	19.7	17.0	65	0.0
30	1020.4	23.8	20.4	17.9	71	0.0

Source: Hong Kong Observatory

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Appendix L

Cumulative statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

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#### **Environmental Complaints Log**

Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Investigation summary & Conclusion	Date of Reply
COM-2019- 005	13/2/2019	EPD	CCZJV	Noise	13/2/2019	According to the photo taken from the complainant, the complaint was related to the project. Although the tree felling works were covered by the valid CNP (GW-RN0783-18), Contractor was reminded to strictly follow and fully comply with the CNP conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. Contractor was recommended to increase the frequency of using the electrical chain saw instead of the diesel chain saw for reducing the noise impact. Environmental Team conducted additional ad-hoc noise monitoring on 19:00 14th February 2019 to 07:00 15 th February 2019 for evaluate the effectiveness on the proposed mitigation measures. No project-related noise exceedance case on 14-15 Feb 2019 Contractor's night tree-felling and removal works. The proposed mitigation measures were effective for noise impact.	20/2/2019
COM-2019- 006	22/2/2019	Project Hotline of NE/2017/05	CCZJV	Noise	26/2/2019	According to the location of complainant from Kwai Wo House, the complaint was related to the project. Although the tree felling works were covered by the valid CNP (GW-RN0783-18), Contractor was reminded to strictly follow and fully comply with the CNP conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. An extended barrier at the top acts as a cantilever shape was recommended to	4/3/2019

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Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Investigation summary & Conclusion	Date of Reply
						modify the existing semi-enclosure installed in the cherry picker Also, three sides with top as a semi- enclosure to be used and those tree felling activities should be inside the semi-enclosure in the ground slope. The main contractor had been recommended to review their works program and methods of tree felling as to minimize the night time tree felling activities.	
COM-2019- 0010	28/3/2019	Project Hotline of NE/2017/05	CCZJV	Noise	28/3/2019	The complaint case should be related to the MTR night time maintenance works. Main Contractor used portable phones and head-set only for communication, and none of loudspeakers were allowed to be used. Main Contractor handled of tree debris into the lorry skip in care when loading. Besides, a layer of soft material (soil/tree debris) was observed leaving inside the skip of the grab lorry to reduce the loading noise. Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0132-19) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour.	4/4/2019
COM-2019- 0033	26/7/2019	Police visit on-site	CCZJV	Noise	26/7/2019	The complaint is related to the project. The Main Contractor comply with CNP No.: GW-RN0443-19 allowable construction site and within the site boundary to carry out night work on tree felling and the clearance of felled tree debris during the restricted hour. Contractor was reminded to strictly follow and fully comply with the CNP (GW- RN0443-19) conditions and the mitigation measures stipulated in the EM&A Manual when	30/7/2019

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Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Investigation summary & Conclusion	Date of Reply
						construction activities are operating during restricted hour. Contractor was recommended to increase the frequency of using the electrical chain saw instead of the diesel chain saw for reducing the noise impact. Contractor was reminded to reschedule of tree felling arrangement that most of the fell branches and trunks were temporary laid on slope and arranged to cut smaller on Day Time to minimize the noise nuisance to the nearby NSRs.	
COM-2019- 0045	30/8/2019	1823	CCZJV	Noise	30/8/2019	The complaint is related to the project. Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0443-19) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. Contractor should strictly follow the use of acoustic enclosure as in condition 3.d.5. of the CNP during the operation of breaker, hand-held, mass <=10kg (CNP023) shall only be operated inside the acoustic enclosure composed of four side-panels and one top-panel, so that no part of such equipment is visible from any nearby noise sensitive receiver. The panels shall be made of minimum 10mm thick plywood or 1mm thick steel outer skin and minimum 50mm thick sound absorbing lining, or equivalent construction. Contractor was reminded to use portable phones and head-set only for communication, and none of loudspeakers is allowed for night work activities.	19/9/2019

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Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Investigation summary & Conclusion	Date of Reply
COM-2019- 0056	9/10/2019	Project Hotline of NE/2017/05 and EPD	CCZJV	Noise	19/10/2019	The complaint of the construction noise especially the breaker noise is project related. Due to the concern of road safety, the Contractor conducted the emergency road repair works under an Emergency Excavation Permit (EXP) of Plan ID: EO13123 issued by Highways Department (HyD). The main contractor's PR / hotline staff was reminded to enhance communication with sufficient information provided for replying any enquiry / complaint in the future. The main contractor was also reminded that noise mitigation measures should be provided as far as practicable subject to the emergency situation. For construction works covered by the CNP issued by EPD, the main contractor should fully complied with the conditions as stipulated and provided all noise mitigation measures as required under the conditions of the CNP. For works subject to the emergency situation, noise mitigation measures such as noise barrier, enclosure etc. should be provided as far as practicable to minimise the noise nuisance to the NSRs.	4/11/2019
COM-2019- 0057	9/10/2019	EPD	CCZJV	Noise	18/10/2019	The complaint of the generator noise nuisance is related to the project. The concerned portable generator is supplying electric power for the Variable Message Sign (VMS) showing the speed limit in 50 km/hr. It is switched on and off manually by manpower, and would only be operated between daytime 07:00-19:00. No construction noise permit (CNP) should be	21/10/2019

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						required as the portable generator is not operating in restricted hours. The main contractor was reminded to strictly follow the use of their proposed semi-enclosure as the mitigation measures for the portable generator and the generator operates in daytime 07:00-19:00 only.	
COM-2019- 0066	6/11/2019	EPD	CCZJV	Noise	7/11/2019	The complaint of the emergency road repair work is related to the project. The works on on 5 th November 2019 between 22:00 and 06:00 the next day at southbound slow lane of Tai Po Road outside Wai Wah Centre, including breaking operation. The main contractor should inform the EPD in advance of any emergency opening works of the Project in future to facilitate the effective handling of noise complaint that may arise.	12/11/2019

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#### **Cumulative Statistics on Complaints**

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Month	Cumulative Project- to-Date
Air	0	0	0
Noise	7	1	8
Water	0	0	0
Waste	0	0	0
Total	8	1	8

#### Cumulative Statistics on Notification of Summons and Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Notification of Summons and Prosecutions This Month	Cumulative Project- to-Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

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Appendix M

Summary of Site Audit in the Reporting Month



#### Summary of Site Audit in the Reporting Month

Parameters	Date	Observations and Recommendations	Follow-up		
Air Quality	14 Nov 2019	Reminder: 1.Regular water spraying of site	1.The frequency of water spraying was increased.		
	27 Nov 2019	Observation: 1.Increase frequency of water spraying	1.The frequency of water spraying was increased.		
Noise	No deficiency was found during the reporting month.				
Water Quality	7 Nov 2019	Observation: 1.Provide sandbag near site entrance	1. (Zone 3) Sandbags were placed to prevent wastewater leakage		
	27 Nov 2019	Observation: 1.Prevent the water discharge from Channel in N.03 2.Prevent the water discharge to outside site area in site boundary in N.03	<ol> <li>(N.03) U-channel was blocked.</li> <li>(N.03) As Discussed with contractor's frontline staff, a proposed u-channel will be constructed ASAP.</li> </ol>		
Chemical and Waste Management	7 Nov 2019	Observation: 1.Clear rubbish near entrance.	<ol> <li>(Zone 4) The accumulated waste was removed.</li> </ol>		
Land Contamination	No deficiency was found during the reporting month.				
Landscape and Visual Impact	No deficiency was found during the reporting month.				
General Condition	7 Nov 2019	Observation: 1. Remove invalid CNP at site entrance	1. (Zone 3) The expired CNP was removed.		