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Report No.: 0064/18/ED/0444A

Hong Kong.

MONTHLY EM&A REPORT

March 2020

Client :		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/0444A	

Prepared by 2

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Certified by

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1

Yorky

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

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

14 April 2020

Dear Miss Fung,

NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section) Monthly EM&A Report for March 2020

I refer to the email of the ET dated 7 April 2020 regarding to the captioned Monthly EM&A Report with report No. 0064/18/ED/0444A, 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,

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 14 April 2020 Our Ref. MCL/ED/0208/2020/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/0444A)

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/0444A) 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

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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.



GEN14/0717



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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 Mar 2020 and 31 Mar 2020. 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 Construct temporary road and site access Road surface remedial works Pre-drilling works Mini pile works 	 Road surface re medial works Mini pile works 	 Trial pits excavation Tree preservation / pruning / transplantation Underground utilities detections Underground utilities diversion Pre-drilling works Construction of central median (STRCR) Pre bored H-pile works Soldier pile works Mini pile works 	 Trial pits excavation Construct temporary road and site access Underground utilities detections Underground utilities diversion Structural Works for Footbridge NF40 Staircases Foundation works of footbridge NF66 Pre-drilling works Construction / diversion of temporary cycle track and footpath 	 Trial pits excavation Construct temporary road and site access Tree preservation / pruning Underground utilities detections Underground utilities diversion Construction of Noise Barrier Foundation and soil replacement at slope Modification of Road Marking and Road Feature (TTA Preparation works)

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 5, 12, 19 and 26 Mar 2020 respectively and 1 exceedance case on NMS 5A was recorded on 12th Mar 2020 at NMS 5A between 2300 and 0700 of the next day during the reporting month. After ET's further investigation for NMS 5A, as the dominant noise should be the background traffic noise, the noise exceedance cases were considered not project-related.



Complaint, Notification of Summons and Successful Prosecution

v. Three complaint cases were received on 24th Mar, 27th Mar and 28th Mar 2020 from the project hotline regarding to the noise nuisance near Wai Wah Centre about the night time construction works at zone 2. The complaint cases are still under ET's investigation.

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 (STRCR Interchange);
 - 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 16th 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 Mar 2020 and 31st Mar 2020.

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	Ms. Cannifer Fung	3152 3446
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 Construct temporary road and site access Road surface remedial works Pre-drilling works Mini pile works 	 Road surface re medial works Mini pile works 	 Trial pits excavation Tree preservation / pruning / transplantation Underground utilities detections Underground utilities diversion Pre-drilling works Construction of central median (STRCR) Pre bored H-pile works Soldier pile works Mini pile works 	 Trial pits excavation Construct temporary road and site access Underground utilities detections Underground utilities diversion Structural Works for Footbridge NF40 Staircases Foundation works of footbridge NF66 Pre-drilling works Construction / diversion of temporary cycle track and footpath 	 Trial pits excavation Construct temporary road and site access Tree preservation / pruning Underground utilities detections Underground utilities diversion Construction of Noise Barrier Foundation and soil replacement at slope Modification of Road Marking and Road Feature (TTA Preparation works)

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**.

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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	06/11/2018	Nil
Effluent Discharge License (Zone 1 – Zone 5)	WT00032446-2018	09/11/2018	30/11/2023
Construction Noise Permit	GW-RN0002-20	01/02/2020	31/03/2020
for Road Closure works at restricted hours	GW-RN0152-20	01/04/2020	31/05/2020



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.

Item	Location	Brand	Model	Equipment	Serial Number
1	AMS 5	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620407
2	AMS 7A	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620408
3	AMS 11A	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	882148
4	AMS 15	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	761105

Table 2.1 24-hour TSP Monitoring Equipment

*Notes: As electricity supply is not available and accessible for the High Volume Samplers (HVS) at AMS 5, 7A, 11A 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
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Item	Location	Brand	Model	Equipment	Serial Number
1	AMS 5	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620407
2	AMS 7A	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620408
3	AMS 11A	Sibata	Model LD-5R	Sibata Portable TSP Monitors	882148
4	AMS 15	Sibata	Model LD-5R	Sibata Portable TSP Monitors	761105

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.

5



- 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 µm 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.



2.4.2 1-hour TSP air quality monitoring

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 Mar 2020 was north, and north 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
ĺ	AMS 5	Tin Liu	Residential
	AMS 7A	Sheung Wo Che	Residential
	AMS 11A	Sheung Wo Che	Residential
	AMS 15	Ha Wo Che	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 5, 7A, 11A and 15 in the reporting month.
- 2.6.3 During the reporting month, major dust sources including trial pits excavation, pre-drilling, mini pile works, soldier pile, sheet pile works and Pre Bored H-pile works were observed in the site. Other factors such as road traffic along Tai Po Road may affect the monitoring results.
- 2.6.4 The weather conditions during the monitoring are provided in **Appendix K**.

....

2.6.5 The monitoring data of 24-hr and 1-hr TSP are summarized in Table 2.4 and 2.5. Detailed 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 5	69	68 - 70	156	
24-hr TSP	AMS 7A	79	64 - 90	171	260
in µg/m³	AMS 11A	87	73 - 95	165	200
	AMS 15	71	62 - 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 5	78	64 - 88	340	
1-hr TSP	AMS 7A	82	59 - 106	344	500
in µg/m³	AMS 11A	89	67 - 107	335	
	AMS 15	73	50 - 86	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, L_{eq} (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.

ltem	Brand	Model	Equipment	Serial Number
1	Casella	CEL-63X Series	Integrating Sound Level Meter	1488303
2	Casella	CEL-63X Series	Integrating Sound Level Meter	2451082
3	Casella	CEL-63X Series	Integrating Sound Level Meter	1488306
4	Casella	CEL-63X Series	Integrating Sound Level Meter	2451048
5	Casella	CEL-63X Series	Integrating Sound Level Meter	1488304
6	Casella	CEL-63X Series	Integrating Sound Level Meter	3756127
7	Casella	CEL-120 Series	Calibrator	1677126
8	Casella	CEL-120 Series	Calibrator	2383707
9	Casella	CEL-120 Series	Calibrator	2383852
10	Casella	CEL-120 Series	Calibrator	5230758

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 Wollioning Farameters and Frequencies of Noise Wollioning	Table 3.2	Monitoring Parameters and Frequencies of Noise Monitoring
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Parameter	Frequency and Period
LAeq (30min)	At each station at 0700-1900 hours on normal weekdays at a frequency
L ₁₀ and L ₉₀ will be recorded for reference	of once a week



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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Manifaring	Location of Noise Monitoring		Turne of
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 and Arrangements on Deferral of Class Resumption for All 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 St	able 3.4 Summary of Day Time Noise Impact Monitoring Results		
Monitoring Station	Leq _(30min) Range, dB(A) Construction Noise Level	Leq _(30min) Limit Level, dB(A)	
NMS1	67.4 - 68.5	75	
NMS2	56.1 – 61.2	75	
NMS3	68.7 – 70.1	75	
NMS4	67.0 – 71.1	75	
NMS5A	69.4 – 72.6	75	
NMS6A	70.8 – 73.9	75	
NMS7	70.5 – 72.2	75	
NMS8	69.1 – 71.1	75	
NMS9	65.9 – 69.2	75	
NMS10A	63.8 - 65.6	70*	
NMS11	65.4 - 68.2	75	
NMS12	64.8 - 68.4	70*	
NMS13	67.5 – 69.1	75	
NMS14	65.7 – 68.2	75	
NMS15	65.3 - 67.2	75	
NMS16	66.8 - 67.6	75	
NMS17	62.8 - 65.2	70*	
NMS18	66.9 - 68.6	75	
NMS19	67.5 – 69.1	75	
NMS20	66.8 - 71.1	75	
NMS23	65.2 - 68.1	75	
NMS24	67.9 - 69.2	75	
NMS25A	68.7 - 71.6	75	
NMS26	69.8 – 73.9	75	
NMS27	64.4 - 68.9	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.
 Deferral of Class Resumption for All Schools are provided in Appendix E for reference.

3.7.6 Regular night time noise monitoring were conducted on 5, 12, 19 and 26 Mar 2020 and the results are summarized in **Table 3.5**. Detailed monitoring data are presented in **Appendix G**.

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Table 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	55.9 - 61.9 ^[2]	55
NMS2	44.7 - 47.9	55
NMS3	60.9 - 62.8	55
NMS4	56.0 - 59.7	55
NMS5A	58.0 - 73.3 ^[2]	55
NMS6A	58.2 - 68.5	55
NMS7	57.5 - 60.2 ^[2]	55
NMS8	56.9 - 59.4	55
NMS9	56.1 - 57.5 ^[2]	55
NMS11	52.7 - 55.1 ^[2]	55
NMS13	56.8 - 59.4 ^[2]	55
NMS14	53.4 - 55.5 ^[2]	55
NMS15	53.7 - 60.2 ^[2]	55
NMS16	55.4 - 58.1	55
NMS18	53.0 - 54.7	55
NMS19	58.4 - 61.7 ^[2]	55
NMS20	55.5 - 59.0 ^[2]	55
NMS23	55.4 - 59.5	55
NMS24	57.0 - 59.7 ^[2]	55
NMS25A	56.2 - 60.5 ^[2]	55
NMS26	55.9 - 58.7	55

Table 3.5	Summary of Night Time Noise Impact Monitoring Results	
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Note: 1) L_{eq (15min)} was measured at night-time (2300-0700). 2) When the Average Measured Noise Level is gre

3)

- 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
- Detailed analysis of each monitoring location is provided in Appendix G.
- 3.7.7 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, 1 exceedance case on 12th Mar at NMS 5A was recorded between 2300 and 0700 of the next day during the reporting month.
- 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**.



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.



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**.

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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, 4 site inspections were carried out on 5, 12, 19, and 26 Mar 2020. The site inspection held on 26 Mar was joint inspection with the IEC, ER, the Contractor and the ET during the reporting period.
- 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 5, 12, 19 and 26 Mar 2020 respectively and 1 exceedance case on NMS 5A was recorded on 12th Mar 2020 at NMS 5A between 2300 and 0700 of the next day during the reporting month. After ET's further investigation for NMS 5A, 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

- 1 complaint case was received on 29th Feb 2020 from the project email regarding to the dust 7.2.1 and noise nuisance near Wai Wah Centre for both the day and night works was at zone 2. The photos and video record attached with the complaint email also showed the day-time construction works at zone 2 and was the same as the mini-piling operation during the day time by the Contractor. Thus, the complaint in daytime is project related. Furthermore, the Main Contractor complied with CNP (No.: GW-RN0002-20), and carry out the construction works within the site boundary for loading and unloading works in night time. According to the Main Contractor, lorry with crane had been used in loading and unloading material or plant work and repairing works (manual handling) for road surface work on 28th - 29th Feb 2020 during night time. The Main Contractor complied with CNP (No.: GW-RN0002-20), and allowed PME in Group A to Group E was used. Contractor was reminded to enhance the water spray frequency on the construction site for mitigation measures on dust control. Also, Contractor should provide green tarpaulin curtain and additional acoustic Sound Proof Canvas as a secondary layer at the bottom of the mini-pile drilling machine to secure the total enclose condition to minimize the visual and noise impacts to nearby NSRs. Contractor resumed the mini-piling works on 2nd Mar 2020 in re-arranging the works schedule, procedure and frequency to minimize the noise nuisance to nearby NSRs. ET checked the regular impact air and noise monitoring data between day time and night-time regular noise monitoring data, no exceedance case was found on both regular impact air and noise monitoring measurement. The main contractor should carry out further review the effectiveness of the enclosure or noise barrier with their mitigation measure and propose alternative noise mitigation measures to enhance the noise reduction on similar day works or night works in restricted hours.
- 7.2.2 3 complaint cases were received on 24th Mar, 27th Mar, 28th Mar 2020 from the project hotline regarding to the noise nuisance near Wai Wah Centre about the night time construction works at zone 2. The complaint cases are still under ET's investigation.
- 7.2.3 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

Dusty stockpile shall be covered. (Work area B)

Construction Noise Impact

• The contractor is reminded to maintain regular noise mitigation measure for mini piling works.(Zone 1)

Water Quality Impact

- Mitigation measure shall be provide to prevent soil leakage. (Zone 3 & Zone 5)
- Mitigation measure shall be provide to prevent sand leakage. (Zone 4 NF 40)

Chemical and Waste Management

- Drip tray shall be provided for chemical storage. (Zone 3)
- Relocation or cleaning of chemical waste storage tank. (Zone 3)
- Please be mind that the sand or sludge shall not bring outside of site area. (Zone 3)

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

• Environmental Permit shall be provided in entrance. (RW 7)

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9.1 **Construction Programme for the Next Month**

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

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

- (2) Pre-drill works in Zone 1 to 5.
- (3) Tree felling and pruning in Zone 1, 2, 3 & 5.
- (4) Remedial works for road surface in Zone 1 & 2.
- (5) Construct temporary road & site access in Zone 1 & 5.
- (6) Mini pile Works in Zone 1, 2 & 3.
- (7) Construction / diversion of inderground utilities in Zone 3, 4 & 5.
- (8) Soldier pile works & Pre bored H-pile works in Zone 3.

(9) Construction of Haul Road, Cycle Track Diversion, Temporary Road and Footpath in Zone 4 & 5.

(10) Construction of footbridge NF40 staircase structure works & Foundation works of footbridge NF66 in Zone 4.

(11) Noise Barrier Foundation Works and Soil Replacement on Slope in Zone 5.

9.2 Key Issues for the Coming Month

9.2.1 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.

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.

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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. Regular night time noise monitoring was carried out on 5, 12, 19 and 26 Mar 2020 respectively and 1 exceedance case on NMS 5A was recorded on 12th Mar 2020 at NMS 5A between 2300 and 0700 of the next day during the reporting month. After ET's further investigation for NMS 5A, as the dominant noise should be the background traffic noise, the noise exceedance cases were considered not project-related.
- 10.1.3 4 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 Three complaint cases were received on 24th Mar, 27th Mar and 28th Mar 2020 from the project hotline regarding to the noise nuisance near Wai Wah Centre about the night time construction works at zone 2. The complaint cases are still under ET's investigation.

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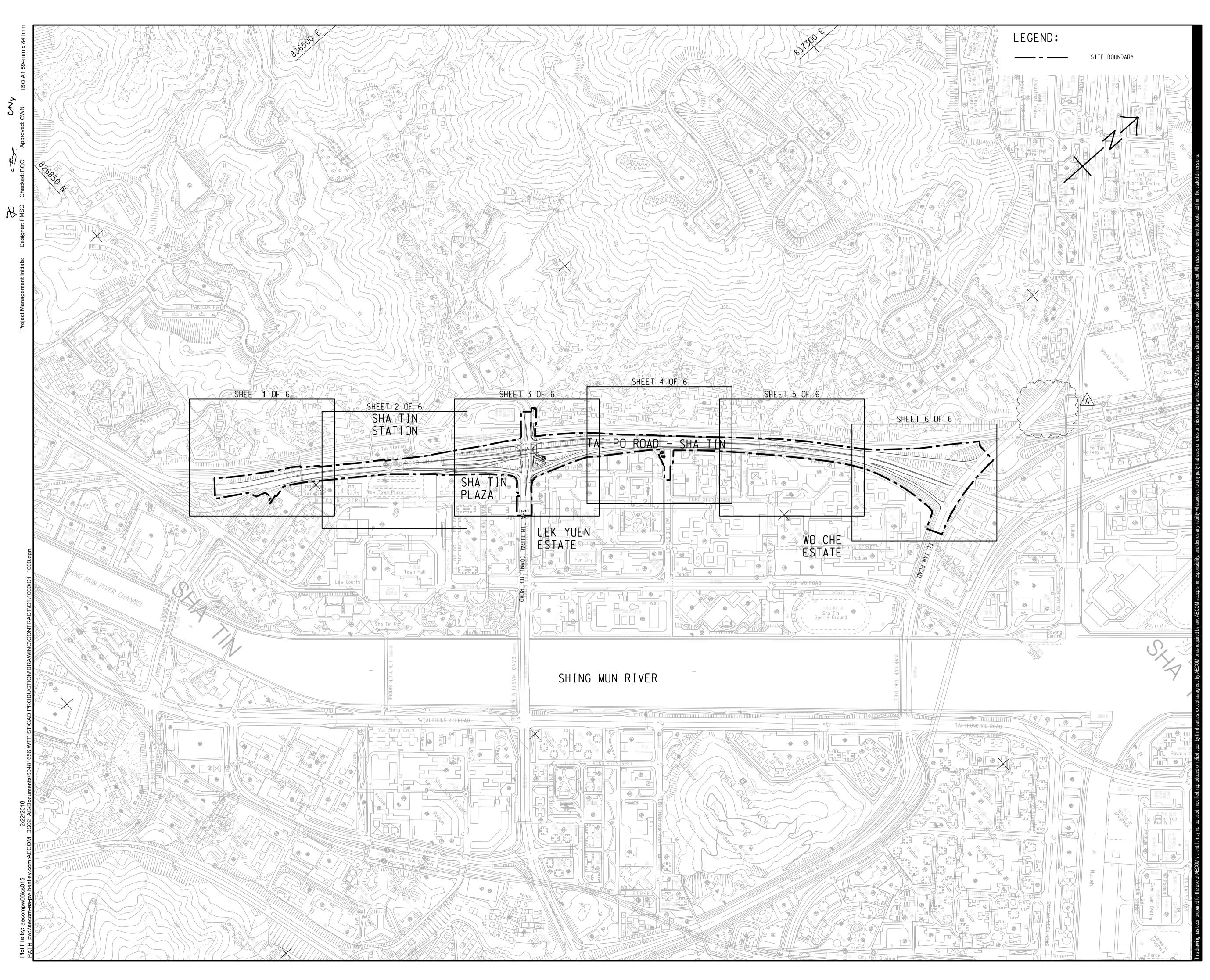
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Figure 1

Project General Layout





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

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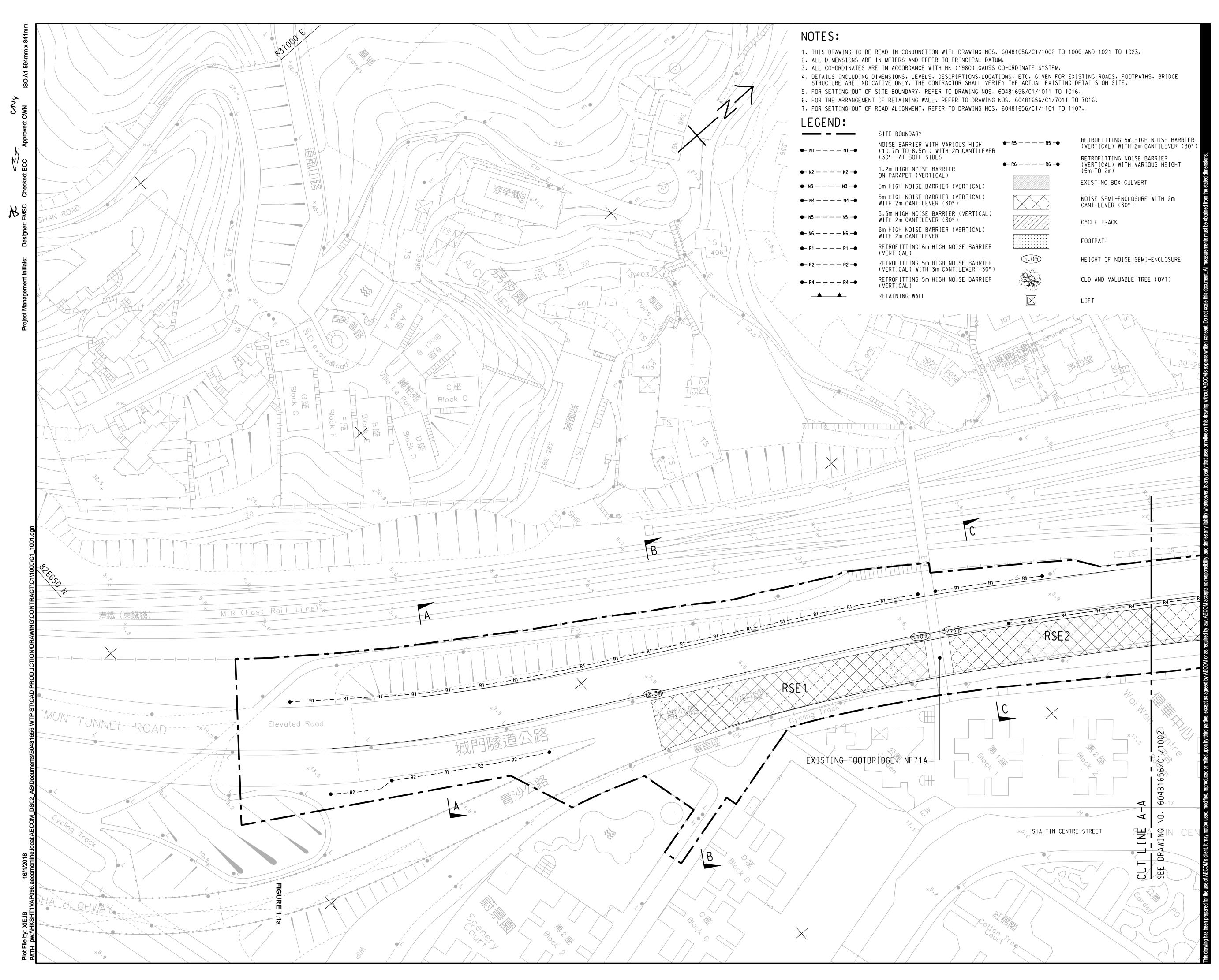
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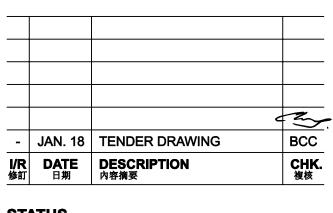
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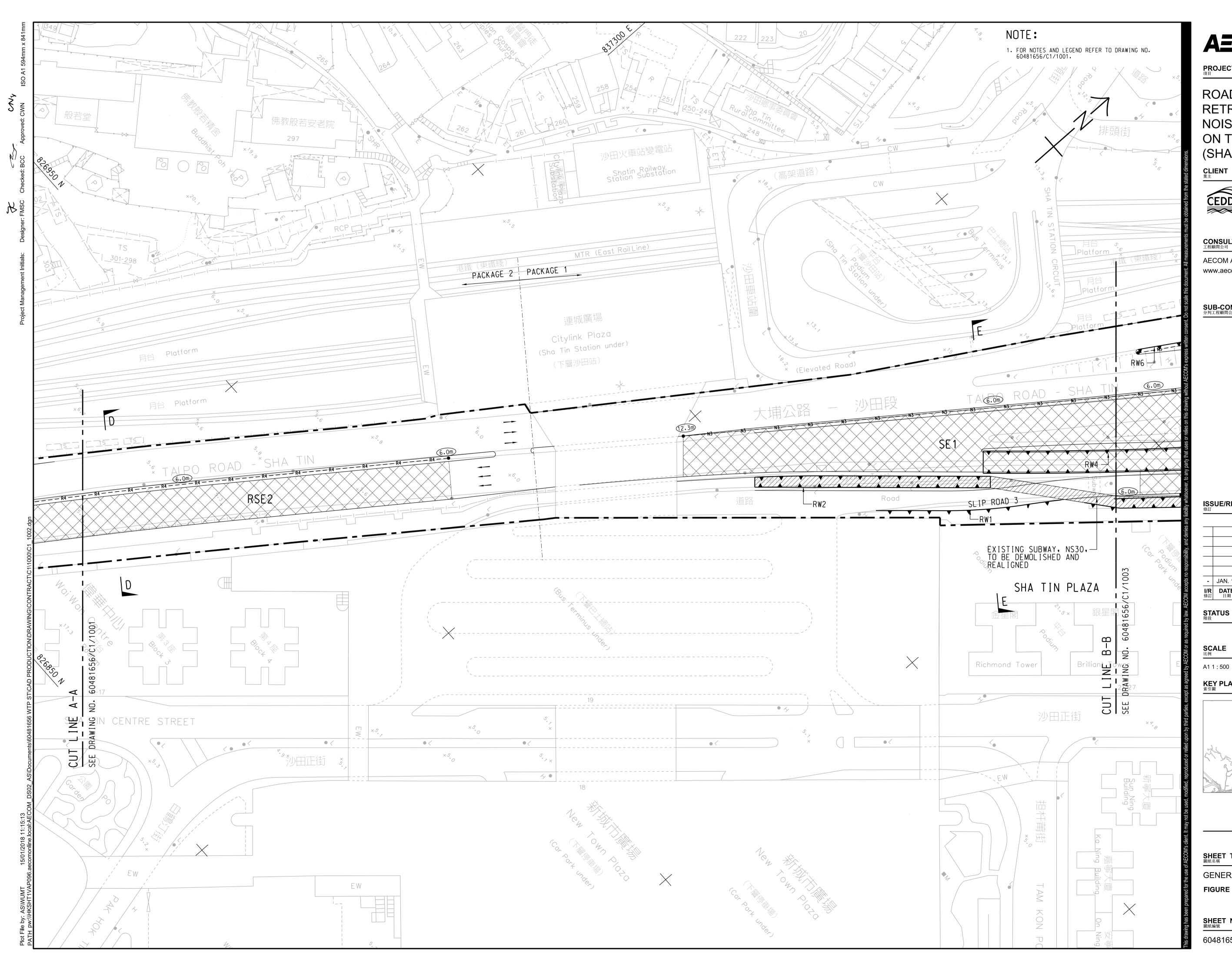
FIGURE 1.1 b

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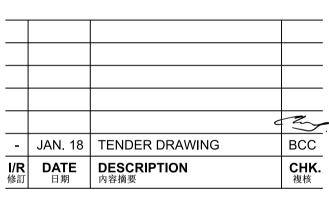
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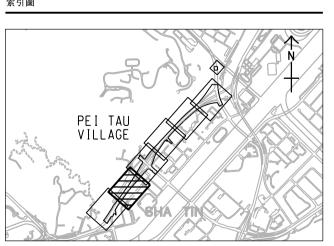
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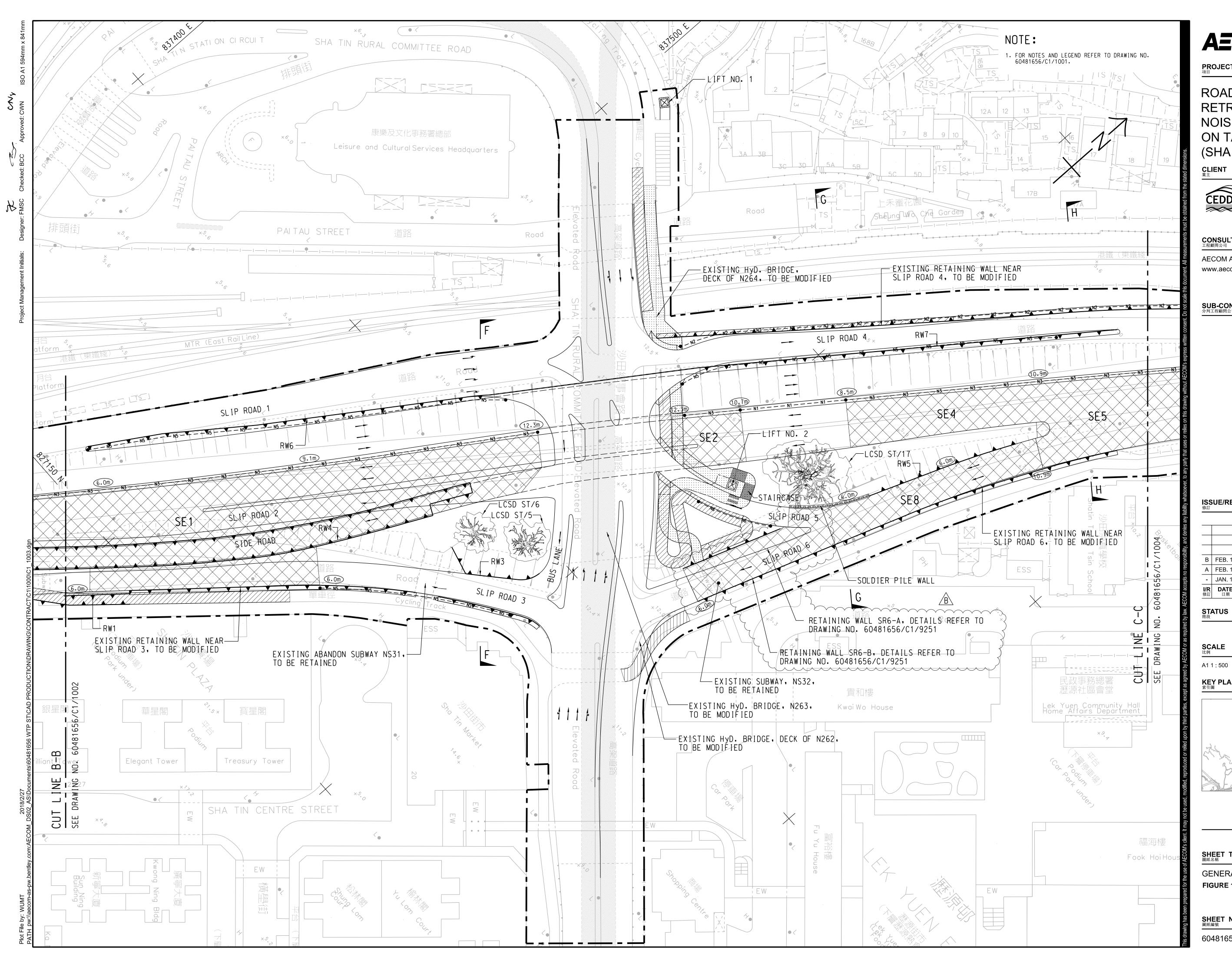
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GENERAL LAYOUT PLAN FIGURE 1.1b

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PROJECT

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

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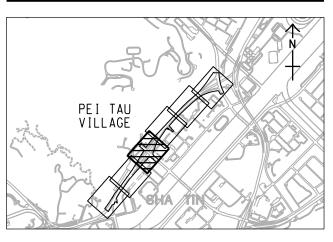
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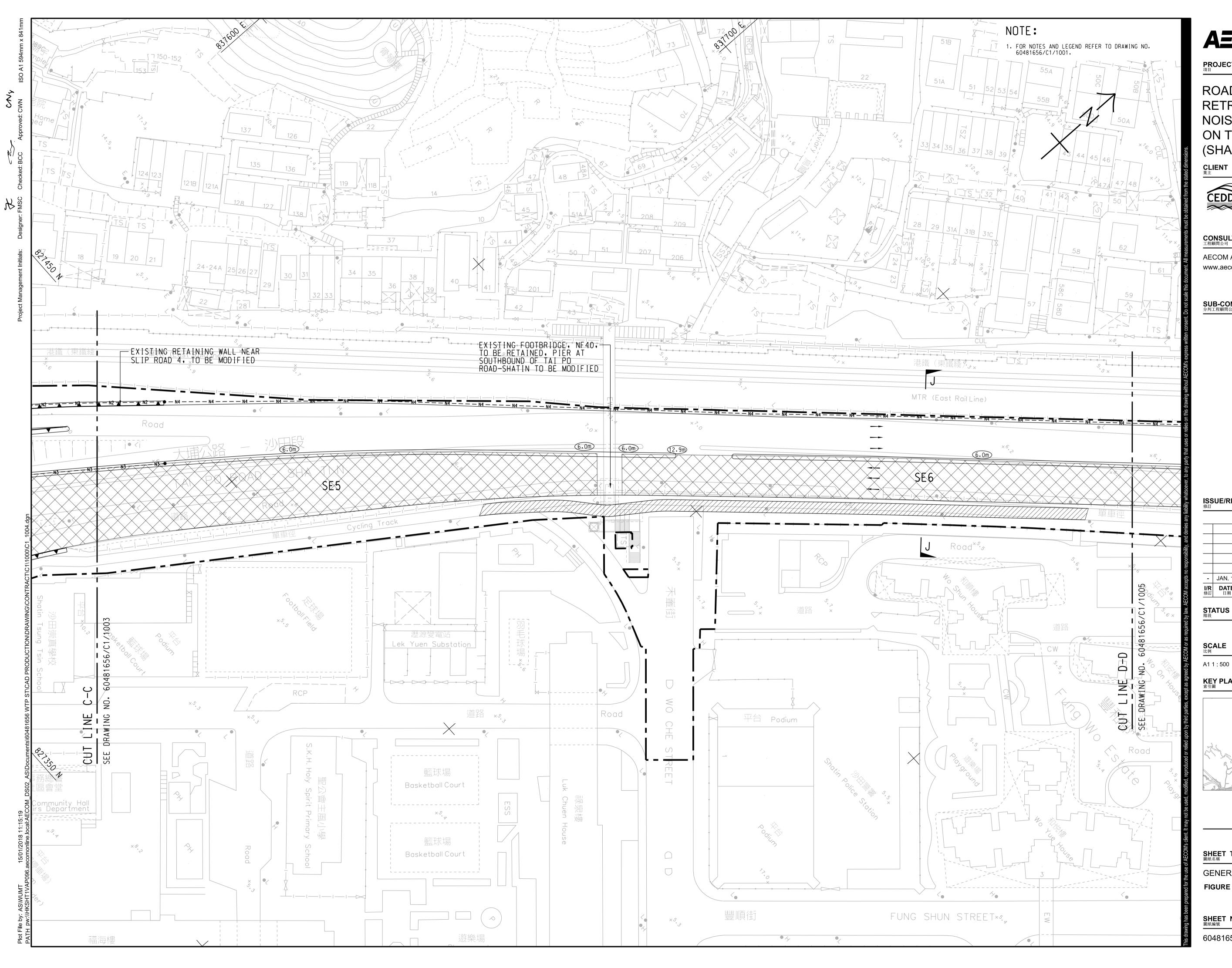
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PROJECT ^{項目}

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

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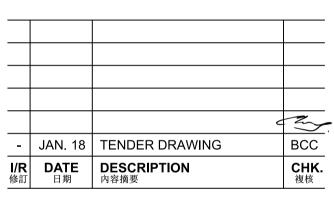
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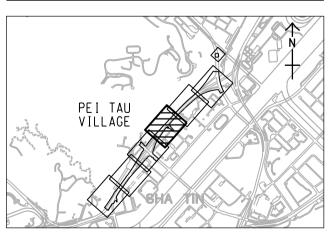
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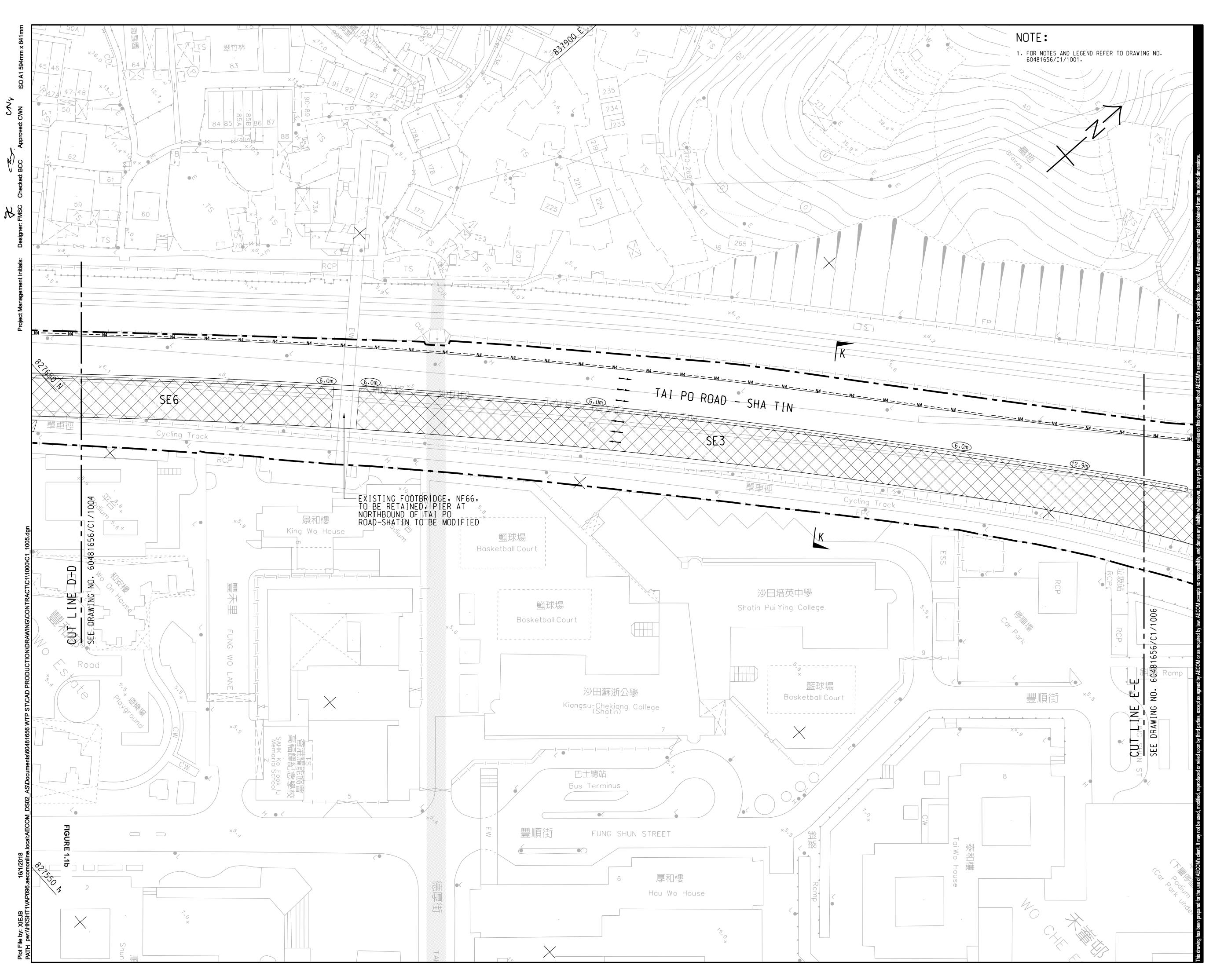
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ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)

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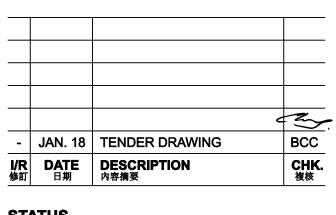
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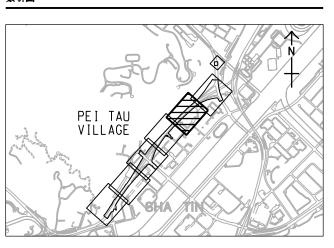
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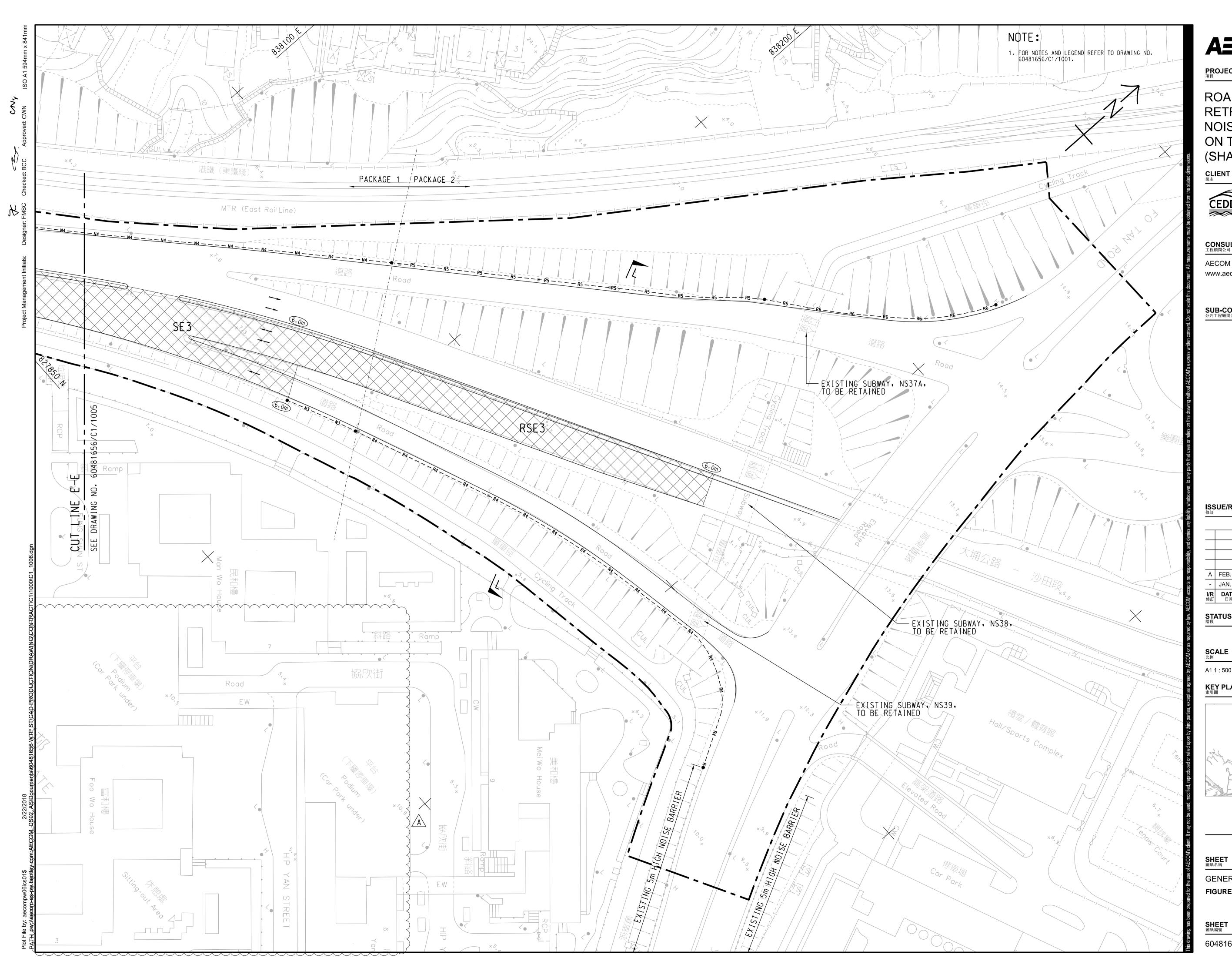
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ROAD WIDENING AND RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)

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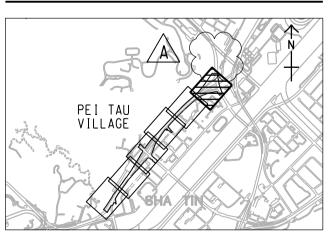
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SHEET 6 OF 6

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Figure 2a

Air Monitoring Locations

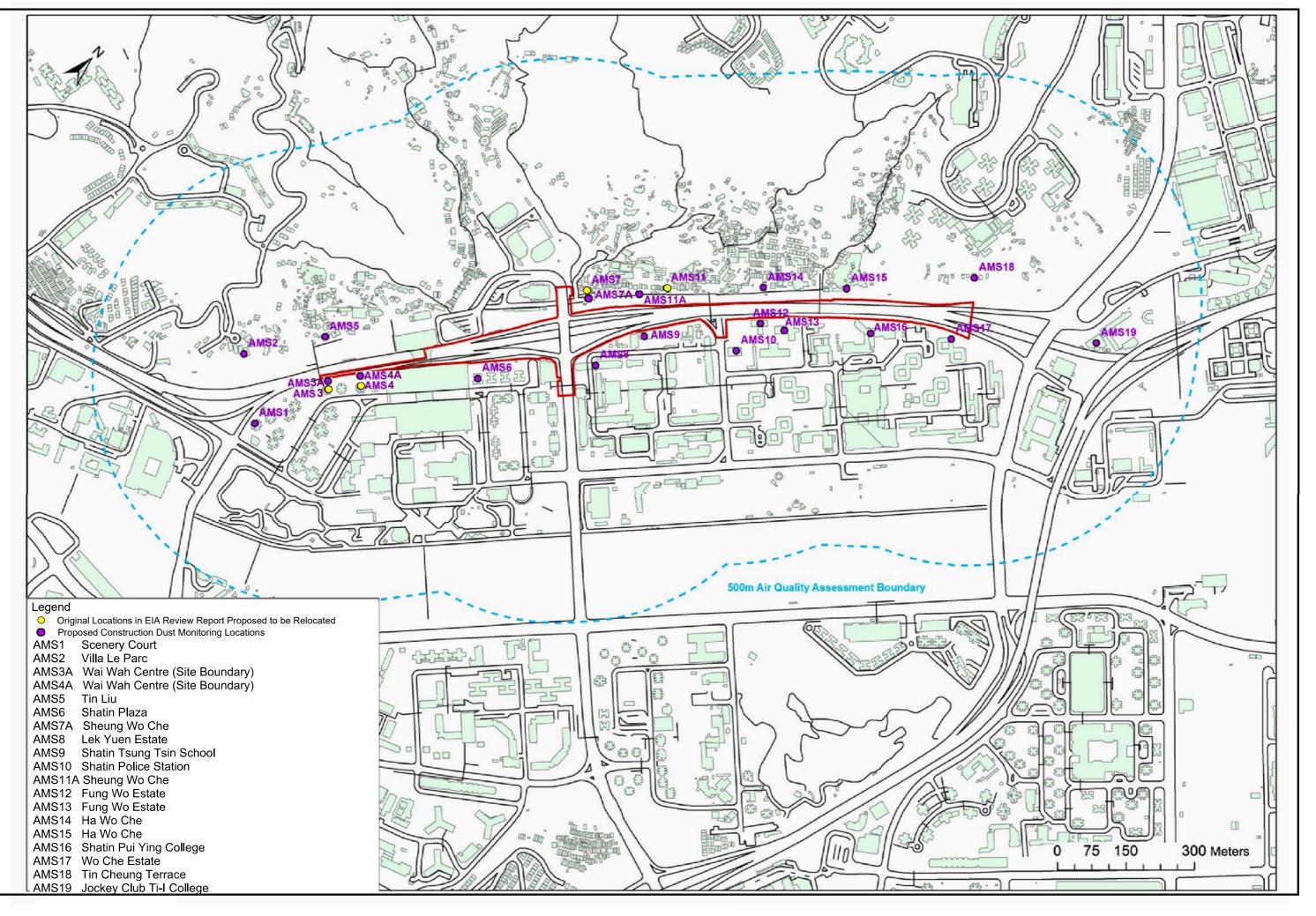


Figure 2a Air Quality Monitoring Locations



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Figure 2b

Noise Monitoring Locations

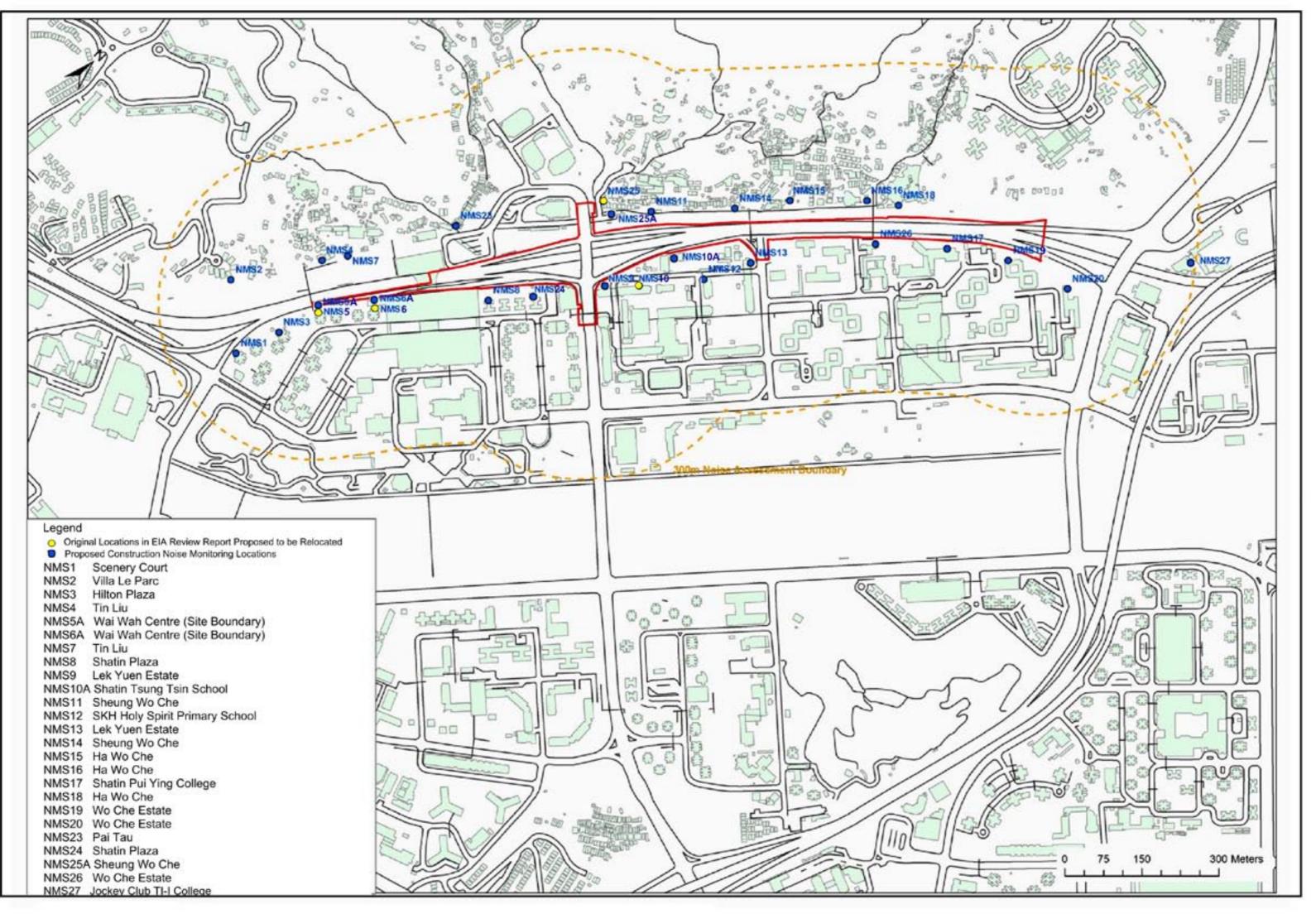


Figure 2b Noise Monitoring Locations



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Appendix A

Construction Programme

10	Activity Name	Original Rem Duration Du	uration	3MRP Finish	AP8 Start	AP8 Finish	Feb	1 Mar	2020 I Abr	1 May	1 JU
ontract N	IE/2017/05 Road Widening and	Retrofitt	ing Noise B	arriers	n Tai P		20	21	22	1 23	1 24
	ARIES & GENERAL REQUIREM								4		2.
ENERALIST									3		
UB1343	TCSS Configuration Management	0	0 29-Feb-20*		30-Nov-19			TCSS Configuration Management			
UB1347	Lift Installation - Design Data	0	0 29-Feb-20*		30-Nov-19			Lift Installation - Design Data	4		
UB1403	ITP's for Lighting Luminaires and System	0	0 29-Feb-20*		30-Nov-19			S ITP's for Lighting Luminaires and System			as accas la interac as
UB1405	All Lighting Designs	0	0 29-Feb-20*		30-Nov-19			All Lighting Designs	1		
UB1410	Combined Services Drawings (CSD)	0	0 29-Feb-20*		30-Nov-19	-		Combined Services Drawings (CSD)			
				_		-		S Combined Services Drawings (CSD)			
	SUBMISSION CHANGE MODERCATION WORKS (Atternative Desig										1
ES1070	PM Consent for Construction	28	1 06-Nov-18 A	00 E-h 00	20-Feb-19	19-Mar-19			n		n an ar a granten
								PM Consent for Construction			
ES1150	PM Consent for Construction	28	17 03-May-19 A	ro-mai-20	31-301-19	27-Aug-19		PM Consent for Construct	on		
	NON WEATURES		0.00.1		04.1	07.5.1.15				8	
ES1230	PM Consent for Construction	28	3 02-Jan-19A		31-Jan-19	27-Feb-19		FM Consent for Construction			
ES1250	PM review & comment	28	14 12-Jul-19 A		01-Sep-19	29+Sep+19		PM review & comment			
ES1260	Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	23	23 15-Mar-20		15-Dec-19	06-Jan-20	68 VA 28 VENESSE :	(Re-submit Foundation Design of N	oise Mitigation Measures in Zone 3 w/Design Certific	ate
ES1270	PM Consent for Construction	28	28 07-Apr-20		07-Jan-20	03-Feb-20				PM Consent for Construction	
ES1290	PM review & comment	28	14 07-Aug-19 A	13-Mar-20	31-Aug-19	27-Sep-19		PM review & comment			
DES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w/Design	20	20 15-Mar-20	03-Apr-20	20-Dec-19	09-Jan-20		(Re-submit Superstructure Design of Noi	e Mitigation Measures in Zone 1 & 2 w/Design Certifi	cate
DES1310	PM Consent for Construction	28	28 04-Apr-20	01-May-20	09-Jan-20	06-Feb-20				PM Consent for Construction	
DES1330	PM review & comment	28	20 07-Aug-19 A	19-Mar-20	31-Aug-19	27-Sep-19		PM review & comm	ent		1 10 10 10 10 10 10 10 10 10 10 10 10 10
DES1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design Certificate	21	21 20-Mar-20	10-Apr-20	20-Dec-19	10-Jan-20			Re-submit Superstructure	Design of Noise Mitigation Measures in Zone 3 w/Des	sign Certificate
DES1350	PM Consent for Construction	28	28 10-Apr-20	08-May-20	10-Jan-20	07-Feb-20				PM Consent for Cons	truction
DES1370	PM review & comment	28	20 07-Aug-19 A	19-Mar-20	31-Aug-19	27-Sep-19		PM review & comm	ent		1
DES1380	Re-submit Superstructure Design of Noise	20	20 20-Mar-20	09-Apr-20	20-Dec-19	09-Jan-20				esign of Noise Mitigation Measures in Zones 4 & 5 w/i	Design Certificate
DES1390	Mitigation Measures in Zones 4 & 5 w/Design PM Consent for Construction	28	28 09-Apr-20	07-May-20	09-Jan-20	06-Feb-20	et disersi diserti di		C	PM Consent for Constru	uction
EMAINING W	IORKS .				-	-					
DES1470	PM Consent for Construction	28	11 11-Mar-19 A	11-Mar-20	31-Jul-19	27-Aug-19		PM Consent for Construction			
DES1480	Prepare & submit Foundation Design of Pedestrian	21	3 26-Nov-18 A	03-Mar-20	31-Dec-18	20+Jan+19		Prepare & submit Foundation Design of Pedestrian Li	tt 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign G	antry w/Design C	
DES1490	Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign PM review & comment	28	24 25-Jan-19A	26-Mar-20	04-Aug-19	01-Sep-19		PMr	eview & comment		4
DES1500	Re-submit Foundation Design of Pedestrian Lift 1 &	35	35 27-Mar-20	01-May-20	27-Dec-19	31-Jan-20		_		Re-submit Foundation Design of Po	edestrian Lift 1 & 2, Lift 2 Staircase, Cy
DES1510	2. Uff 2 Staircase, Cycle Track Ramp & Sign Ganity PM Consent for Construction	28	28 01-May-20	29-May-20	31-Jan-20	28-Feb-20					PM Consent for
DES1530	PM review & comment	28	1 02-Jan-19 A	29-Feb-20	31-Jan-19	27-Feb-19		PM review & comment			
DES1540	Re-submit Design of Watermain & Irrigation System	32	1 02-Jan-19 A		02-Apr-19	03-May-19		Re-submit Design of Watermain & Irrigation System w/Des	gn Certificate		
DE\$1560	w/Design Certificate Prepare & submit Design of E&M System (E&M &	35	35 29-Feb-20		30-Nov-19	03-Jan-20				n (E&M & Road Lighting) w/Design Certificate	-
DES1570	Road Lighting) w/Design Certificate PM review & comment	28	28 04-Apr-20		04-Jan-20	31-Jan-20					
DES1580	Re-submit Design of E&M System (E&M & Road	32	32 03-May-20		02-Feb-20	04-Mar-20					Res
	Lighting) w/Design Certificate	-									
UBLEIT	TING & PROCUREMENT SCHED	ULE							8		
SPS1000	Maintenance of Traffic Flow	30	30 01-Mar-20	30-Mar-20	01-Dec-10	30-Dec-19			Maintenance of Tratfic Flow		
PS1000	Hoarding and Signboard	30	30 29-Feb-20				S25		Hoarding and Signboard	a	urar anaras adare an
SPS1060	Security System of the Site	30	30 29-Feb-20			29-Dec-19		1	Security System of the Site	-	
		30	30 29-Fe0-20 30 31-Mar-20		31-Dec-19				county system of the one	Site Clearance and Demolition Work	
SPS1140	Site Clearance and Demolition Work									and ordering and partoning work	Monitoring and
SPS1160	Monitoring and Instrumentation	30	30 30-Apr-20	29+may+20	30-Jan-20	28-Feb-20					wantoning and

y ID Activity	/ Name	Original		tart SMRP F	nish AP8 Star	AP8 Finish		2020	
PS1210 Draina		Duration					Feb Mar 20 21	1 Apr 22	May 23
	ge (PC pipe, manhole & gully) and Duct	30		20 29-Mar-		9 29-Dec-19	C.	Drainage (PC pipe, manhole & gully) and Duct	3 A.F
	for Drainage Pipe	30	30 29-Feb-	20 29-Mar-			C	CQTV for Drainage Pipe	
SPS1250 Reinfor Measu	rced Concrete Work for Noise Mitigation res	30	30 01-Mar-	20 30-Mar-	20 01-Dec-1	9 30-Dec-19	(Reinforced Concrete Work for Noise Mitigation Measures	1
SPS1270 Reinfor	rced Concrete Work for Pedestrian Lift	30	30 23-May-	-20 22-Jun-	20 17-May-	20 15-Jun-20			
SPS1280 Reinfor NF66	rced Concrete Work for Footbridge NF40 &	30	30 05-Apr-2	20 04-May-	20 06-Feb-2	0 06-Mar-20		6	Reinforced Concrete Work for Footbridge NF40 & NF66
	ork for NB and Lift Tower	30	30 29-Feb-	20 29-Mar-	20 30-Nov-1	19 29-Dec-19	c	Steelwork for NB and Lift Tower	
SPS1300 Traffic	Sign, Sign gantry and Road Sign	30	30 29-Feb-	20 29-Mar-	20 30-Nov-	9 29-Dec-19		Traffic Sign, Sign gantry and Road Sign	terran a sur as an arran survey a survey
SPS1310 Bearing	g and Movement Joint	30	30 29-Feb-	20 29-Mar-	20 30-Nov-	19 29-Dec-19		Bearing and Movement Joint	
SPS1320 Tendor	1 Works	30	30 29-Feb-	20 29-Mar-	20 30-Nov-	19 29-Dec-19		Tendon Works	
SPS1340 Earthw	orks and Slopeworks	30	30 29-Feb-	20 29-Mar-	20 30-Nov-	19 29-Dec-19		, Ealthworks and Slopeworks	
	caping and Tree Felling	30	30 29-Feb-			9 29-Dec-19			
	on System	30	30 29-Feb-					Landscaping and Tree Felling	
								Irrigation System	
Signatu		30	30 26-Mar-						ridn Lift (Lift Cars, E&M, Panel, Lourve & Signature)
	g System for Noise Mitigation Measures	30	30 29-Feb-			19 29-Dec-19	C	Lighting System for Noise Mitigation Measures	
	ge for Noise Mitigation Measures	30	30 29-Feb-			19 29-Dec-19	¢	Drainage for Noise Mitigation Measures	
SPS1460 Waterp	proofing (Bitumen Paint)	30	30 16-Mar-	20 14-Apr-2	27-Dec-	19 25-Jan-20		Waterproofing (Blumon Paint)	
ORK BETWEE	N SHING MUN TUNNELS	ROA	D AND FOO	TBRID	GE NF71	A (ZONE			
RELMPLARES WORKS									
SUMMARY PROG MAMME									
Z1SU1032 Zone 1	Stage 1 R1 structure R1-01 to 08	269	269 30-Mar-	20 25-Feb-	21 30-Dec-	19 05-Dec-20			1
Z1SU1034 Zone 1	Stage 1 R1 structure R2	435	452 20-Feb-	20 A 07-Sep-	21 06-Feb-2	0 28-Jun-21			
TILITIES DIVERSION				_		-			
NORTHBOUND									
	LP-abandoned 33kv cable for R1 & R2	11	11 16-May	-20 28-May	20 28-Eeb-3	20 11-Mar-20			
CH107	75 30m			20 20 110	20 201001				UU_CLP-aband
	Disharakanakan kila (na DOCA	20	00 40 14-1	00 45 4	00 00 D				1
CH119	LP-abandoned 33kv cable for RSE1 I0-1300 110m	20	20 19-Mar-	20 15-Apr-	20 20-Dec-	19 15-Jan-20		UU_CLP-abandoned 33kv c	able for RSE1 CH1190-1300 110m
IONE BARRIER AND SE									
PILE FOUNDATION WORK									
NORTHBOUND									
Z1_1510 R1_sit	e investigation for R1-02P (1nr)	5	5 29-Feb-	20 05-Mar-	20 31-Jan-2	0 05-Feb-20	R1_site investigation for R1-02P	(1nr)	
Z1_1520 R1_mi	ini piles for R1-02P (5nr raking, 3nr ver)	40	40 08-May	-20 23-Jun-	20 20-Feb-:	20 07-Apr-20			
CENTRAL BARRIER									
Z1_1490 RSE1_	_site investigation for RSE1-01P to 03P (5nr)	15	0 28-Dec-	-19 A 12-Feb-	20 A 30-Nov-	19 17-Dec-19	RSE1_site investigation for RSE1-01P to 03P (5nr)		1
Z1_1500 RSE1_	mini piles for RSE1-01P to 03P (22nr ver)	55	55 29-Feb-	20 09-May	20 04-Jan-2	0 11-Mar-20	C. C		RSE1_mini piles for RSE1-01P to 03P (22nr ver)
SOUTHBOUND					- diama	-			
	te investigation for R2-02P to 06P (9nr)	25	20 20-Feb-	-20 A 30-Mar-	20 06-Feb-	20 05-Mar-20		R2_site investigation for R2-02P to 06P (9nr)	
OADWORKS AND REM				-	_	-			il anno an ann a na caus an mar bean
GEOTECHNICAL WORKS									
NORTHBOUND									
7SW-0	1_fill replacement by no-fines concrete D/FF156 (open excavation) NB_R1	52				19 03-Mar-20			
	N FOOT BRIDGE NF71A	AND (CITYLINE P	LAZA (Z	ONE 2)				
IOBE HARRIER AND SE	ENHENCLOSURE							and the state of t	
PILE FOUNDATION WORK	(\$								t i
CENTRAL BARRIER		1.1							\$ I
Z2_1000 RSE2_	_site investigation for RSE2-13P & 15P (21nr)	55	0 21-Nov	-19 A 12-Feb	20 A 18-Dec-	19 26-Feb-20	RSE2_site investigation for RSE2-13P & 15P (21n	n)	1
VORK BETWEE	N CITYLINE PLAZA AND	FOOT	BRIDGE N	F40 (ZO	NE 3)	Line and the last			
THE REMARKS WORKS		n in sherie							
Dendal I	what Effect	-l-	^			I note			Revision Checked Approved
Remaining Le				 Mileston Baseline 		ROAD	WIDENING & RETROFITTING NOISE BARRIERS ON	TALPU RUAD (SHA TIN SECTION)	MRP DWP 2002 Tim
Actual Level of	f Effort Critical Remaining			→ DaSeline	NINESCONE	1	3 Months Rolling Programme (29 Page 2 of 5	(VZ/ZV)	

סו	Activity Name	Original Tex Duration D	maining 3MRP Start Duration	3MRP Finisi	AP8 Start	AP8 Finish	Feb 20	Aar 21	2020 Apr 22	May 23	Jun 24
ABAARY PRO	SIRAANUE .						-		AL	20	
ISU5050	Zone 3b (near SR6) Stage 1 SE5, SE8, SR6 foundation and N262 bridge	323	323 21-Feb-20 A	31-Mar-21	30-Nov-19	11-Feb-21					_
LITTLE ON EF									1		
OUTHBOUND								-	ž.	1	
Z3_2900	UU_CLP-abandoned 33kv cable for SE5 & SE6 CH2090-2175 85m	17	17 05-Mar-20	25-Mar-20	05-Dec-19	27-Dec-19		UU_CLP-	abandoned 33kv cable for SE5 & SE6 CH2090-2175 85m	······································	
	AND BEMIENCLOBURE										
ILE FOUNDATI											
SOUTHBOUND											
Z3_1522	SE1-5_site investigation for S1E5-51 (1nr)	5	5 11-Mar-20					SE1-5_site investigation f	or S1E5-51 (1nr)		
Z3_1530	SE1-6_site investigation for S1E6-51P (1nr)	5	5 17-Mar-20			06-Mar-20		SE1-6_site in	vestigation for S1E6-51P (1nr)	2	
Z3_5630	SE2_site investigation for S2E1-52P (2nr)	10	0 04-Feb-20 A			24-Feb-20	SE2_S	te investigation for S2E1-52P (2nr)			
Z3_5640	SE2_mini piles for S2E1-52P (12nr raking, 11nr ver)	58	58 13-Mar-20	27-May-20	09-Mar-20	22-May-20		-		SE2	_minipiles for S2E1-
SOUTHBOUND											
Z3_1720	SE8-1_site investigation for SR6 1-B (1nr)	5	0 21-Feb-20 A	24-Feb-20 A	30-Nov-19	05-Dec-19	SE8-1_	the investigation for SR6 1-B (1nr)			
Z3_1730	SE8-1_mini piles for SR6 1-B (8nr)	32	32 04-May-20	10-Jun-20	03-Feb-20	11-Mar-20				(
PRECAPAND											
SOUTHBOUND											-
Z3_5650	SE2_ELS for cap construction S2E1-52P (10m_2 side)	6	6 27-May-20	03-Jun-20	22-May-20	29-May-20					SE2_ELS
	TA UCTURE WORKS					1.1.1					1
PRELIMINARIES										and the state of accounting that its state and	ot a se s
UTILITIES DIVE									1	2	
NORTHBOUN											1
Z3_2920	UU_HKT-diversion cable for RW7 CH1830-2000 170m	34	34 29-Feb-20	09-Apr-20	18-Jan-20	29-Feb-20		9	UU_HKT-diversion cable for RW7 CH	830-2000 170m	
Z3_2930	UU_CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m	22	22 14-Mar-20	09-Apr-20	05-Feb-20	29-Feb-20			UU_CLP-abandoned 11kv cable for RV	V7 & SR4 CH1825-1950 125m	
SOUTHBOUN											
Z3_2970	UU_HKT-new cable for RW1 & SR3 CH1450-2300 850m	127	127 29-Feb-20	04-Aug-20	30-Nov-19	09-May-20			1		
Z3_3100	UU_HKBN-slew cable for N262 CH1800-1810 10m	1	1 29-Feb-20	29-Feb-20	30-Nov-19	30-Nov-19		UU_HKBN-slew cable for N262 CH1800-1810 10m			
Z3_5680	UU_Construct combine UU trough between cycle track and RW1 Stage 1	60	60 29-Feb-20*	15-May-20	30-Nov-19	14-Feb-20				UU_Construct combine UU t	rough between cycle
Z3_5740	UU_Watermain-diversion 400mm pipe for SAW1 (Additional)	70	70 29-Feb-20*	27-May-20	06-Jan-20	30-Mar-20		C	1	· · · · · · · · · · · · · · · · · · ·	Watermain-diversion
MODIFICATION	OF BRIDGE N283							1			
RECONSTRUC	TION ABUTMENT WALL AT NHA										
Z3_4110	NAW-1_construct ELS & piling platform	42	42 29-Feb-20	22-Apr-20	17-Jan-20	09-Mar-20		C	NAW-1_co	struct ELS & piling platform	1
Z3_4120	NAW-1_piling works for new NHA wall (23nr socket H-pile)	161	161 23-Apr-20	04-Nov-20	10-Mar-20	22-Sep+20			6		-
Z3_4160	NAW-2_piling works for new NHA wall (16nr socket H-pile)	112	95 09-Feb-20 A	27-Jun-20	30-Dec-19	19-May-20		e.			
MODIFICATION							28 20 1008 20 1086545 108	100 C			
Z3_3870	SAW-1_piling works for new south abutment wall (3nr 1.5m bored pile)	42	42 27-May-20			25-May-20				-	
Z3_3920	SAW-2 & 3_pile testing	28	0 17-Jan-20/				SAW-2 & 3_pile testing				
Z3_3930	SAW-2 & 3_ELS & pile cap construction	45	45 29-Feb-20	27-Apr-20	11-Jan-20	07-Mar-20		C	· · · · · · · · · · · · · · · · · · ·	AW-2 & 3_ELS & pile cap construction	i .
Z3_3940	Modify existing N263 pier wall (North side)	90	90 27-Apr-20	14-Aug-20	07-Mar-20	29-Jun-20					
MODIFICATION	OF BRIDGE H282						a (6) (6) (6)(6)(6)(6)(6)(6)(6)(6)(6)(6)(6)(6)(6)(0120702 0120202 0120 000 000 000 000 000	
Z3_3510	C02_piling works 4nr mini pile	16	16 30-Mar-20		02-Jan-20				C02_piling w	orks;4nr minipile	
Z3_3520	C02_ELS & pile cap construction	30	30 11-May-20		10-Feb-20					6	
Z3_3540	C03_piling works 7nr mini pile	24	24 02-Mar-20*					C0	33 piling works 7nr mini pile		1
Z3_3550	C03_ELS & pile cap construction	30	30 30-Mar-20							C03_EL\$ & pile cap construction	
Z3_3560	C03_column construction	30	30 11-May-20								
Z3_3580	C04_ELS & footing construction 2nr	90	90 02-Mar-20	20-Jun-20	30-Dec-19	21-Apr-20		£			1
HEW SLIP ROA	D 2										1
Rema	aining Level of Effort Actual Wo			Vilestone		ROAD		TTING NOISE BARRIERS ON TAI PO RO	DAD (SHA TIN SECTION)	Revision Checked A BMRP DWP 2002 Tim	pproved
	I Level of Effort Remaining			3aseline Mi	lestone		3 M	onths Rolling Programme (29/02/20)	00-141-20		
Prima	ry Baseline Critical Res	maining Wo	ork					Page 3 of 5			

Activity ID	Activity Name	Original	Remaining SMRP Start	3MRP Finish	AP8 Start	AP8 Finish	2020
		Duration	Duration				Fib Mar Apr May Jun 20 21 22 23 34
Z3_5325	SR2-1_site investigation (3nr)	15	10 11-Jun-19 A	11-Mar-20	15-Oct-19	31-Oct-19	SR21_site investigation (3rr)
	& SUBWAY			-			
RETAINING WAL	LNQ.1	_			_		
		_					
Z3_4550	RW1_demolish existing retaining structure between Bay 101 and Bay 104	45	45 16-May-20	09-Jul-20	15-Feb-20	08-Apr-20	
RETAINING WAL					(m)		
Z3_1218_1000	RW6_ELS works for Bay 601 to Bay 606 (45m_2	25	18 12-Jul-19A	15-May-20	02-Sep-19	02-Oct-19	
Z3_1218_1010	side) RW6_base slab construction for Bay 601 to Bay 606	48					RW6_ELS works for Bay 606 (45m,2 side)
					10-Mar-20	11-May-20	
Z3_1218_1020	RW6_retaining wall construction for Bay 601 to Bay 606	72	72 23-May-20	17-Aug-20	08-Apr-20	08-Jul-20	
Z3_1218_1040	RW6_soldier pile wall & ELS for Bay 607 to Bay 614 (52nr)	58	36 20-Nov-19 A	15-Apr-20	16-Dec-19	27-Feb-20	FWG_solder pile wall & ELS trr Bay 607 to Bay 614 (52m)
RETAINING WAL				-		in the second second	
73 1318 2000	DW/7 ELS works for Day 706 to Day 711 (Edg. 1	20	23 26-Jul-19 A	10 May 00	00.14 00		
	RW7_ELS works for Bay 706 to Bay 711 (54m_2 side)	30		18-1907-20	02-Mar-20	06-Apr-20	
Z3_1218_2040	RW7_soldier pile wall & ELS for Bay 701 to Bay 705 (62nr)	124	124 14-Apr-20	09-Sep-20	02-Mar-20	01-Aug-20	
Z3_1218_2050	RW7_base slab construction for Bay 701 & Bay 704	32	32 13-Aug-20	18-Sep-20	06-Jul-20	11-Aug-20	
MODIFY EXISTIN	G SUBWAY NS30						
particular and the second		400	400 40 14	04.51 - 00	45.5 1.00		
Z3_5200	Demolish existing subway & construct NS30	160	160 16-May-20	24-NOV-20	15-Feb-20	28-Aug-20	
WORK BET	WEEN FOOTBRIDGE NF40 AN	ID NF	66 (ZONE 4)			1. A	
PRELIMINARIES	WORKS						
SUMMARY PROG	RAMME						
Z4SU1000		10.1	171 10 5-6 00 1	24-5 22	07-D 40	09 14 00	
	Zone 4 Stage 1 SE6 51 to 57	154			27-Dec-19	08-Jul-20	
Z4SU1005	Zone 4 Stage 2 NB & SB foundation	435	435 29-Feb-20	18-Aug-21	13-Jan-20	28-Jun-21	
Z4SU1100	Zone 4 NF66 Construction	230	230 29-Feb-20	05-Dec-20	06-Jan-20	14-Oct-20	
PREPARATORY	IORKS			-		-	
	EXISTING ROAD/TEMPORARY ROAD						
	EXISTING ROAD/TEMPORART HOAD						
Z4_1335	Zone 4 & 5_construct temporary road platform along Northbound	75	75 25-Apr-20	25-Jul-20	02-Mar-20	03-Jun-20	
UTILITIES DIVER	NON						
NORTHBOUND							
71 1000	(11) PI C should need to be able to all a state		0 10 4 00	40.4 00	00 1 00	00 1 00	
Z4_1290	UU_CLP-abandoned 33kv cable for N4&SE6 CH2150-2160 20m (Abandoned)	0	0 18-Apr-20	18-Apr-20	23-Jan-20	23-Jan-20	UU_CLP-abandoned 33/v cable for N455E6 CH2150-2160 20m (Abandoned)
Z4_1300	UU_HKT-slew cable for N4 & NF56 CH2320-2360 40m	5	5 29-Feb-20	05-Mar-20	30-Nov-19	05-Dec-19	UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m
Z4_1310	UU_HKT-slew cable for SE6 CH2180-2300 120m	14	14 28-Mar-20	18-Apr-20	07-Jan-20	23-Jan-20	UU_HKT-siew cable for SE6 CH2180-2300 120m
Z4_1490	UU_Fresh watermain for N4 CH2300-2550 250m	105	105 29-Feb-20*	09-Jul-20	30-Nov-19	08-Apr-20	
	600mm (Additional)						
Z41500	UU_Fresh watermain for N4 CH2000-2100 100m 200mm (Stage 2)	39	39 29-Feb-20*	18-Apr-20	13-Jan-20	29-Feb-20	UU_Fresh watermain far N4 CH2000-2100 100m 200mm (Slage 2)
SOUTHBOUND							
Z4_1340	UU_CLP-slew 132kv cable for NF40 CH2090-2175	10	10 29-Feb-20	11-Mar-20	30-Nov-19	11-Dec-19	UU_CLP-slew 13/kv cable for NF40 CH2030-2175 85m
Z4_1350	65m UU_CLP-siew 11kv cable for NF40 CH2120-2150	4	4 29-Feb-20	04-Mar-20	30-Nov-19	04-Dec-19	UU_CLP-slew 11ky cable for NF40 CH2120-2150 30m
	30m						
Z4_1370	UU_Fresh watermain for SE6 CH2130-2150 20m	21	21 29-Feb-20	25+Mar+20	30+NOV-19	27-Dec-19	UU_Fresh watermain for SE6 CH2130-2150 20m
HOBE BARRIER	AND BEMPENCLOSURE						
PILE FOUNDATE	ON WORKS						
NORTHBOUND			_	-			
	N4 site investigation for M4-12 to M4-97 (94-1)	60	0 60 20-Apt-20	02-10-20	02.14.00.00	16-May-20	
Z4_1510	N4_site investigation for N4-12 to N4-27 (24nr)	01	, 00 20-npl-20	52-5ul-20	52-ividi -20	16-May-20	
SOUTHBOUND							
Z4_1110	SE6_site investigation for S6E1-51P (2nr)	10	5 19-Feb-20 A	31-Mar-20	27-Dec-19	09-Jan-20	SE6_site investigation for S6E1-51P (2rr)
Z4_1120	SE6_mini piles for S6E1-51P (10nr ver)	40	40 18-Apr-20	06-Jun-20	23-Jan-20	13-Mar-20	SE6_mini p
	District of the second s				1	1	
PILE CAP AND P							
SOUTHBOUND							
Z4_1122	SE6_ELS for footing/cap construction S6E1-51P to S6E1-57 (86m_2 side)	48	3 48 18-Apr-20	16-Jun-20	23-Jan-20	23-Mar-20	
BRIDGE AND ST	S6E1-57 (86m 2 side)						
	VORKS FOR NF40						
AND A TRACK TO A	TOTAL OF MEN						
Remai	ning Level of Effort Contract Actual Wor	k	0 01	Ailestone		ROAD	WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)
	Level of Effort Remaining	Work	• • E	Baseline Mik	estone		3 Months Rolling Programme (29/02/20)
	y Baseline Critical Rer						Page 4 of 5

Activity ID	Activity Name	Origina	al temaining SMRP	Start SMRP P	nish AP8 Star	AP8 Finish		2020	
		Duratio					20 Mar 21	Apr 1	May 1 Jun 23 1 24
NF40_1000	Construct new staircase	12	18 12-Oc	ct-19 A 20-Mar-	20 06-Jan-2	0 03-Jun-20			Construct new st
NF40_1010	Demolish existing staircase	4	5 45 21-Ma	ar-20 19-May-	20 14-Mar-2	0 12-May-20			Demolish existing staircase
NF40_1080	Construct pile cap & part of new column	6	0 60 20-Ma	ay-20 30-Jul-2	0 13-May-	23-Jul-20			
MODIFICATION W	KORKS FOR NEW	-		-	_	-			
NF66_1000	ELS & footing construction	5	E0 40 E4	eb-20* 04-May-	00 00 1 0	0. 11- 00			
3.04×3×3									ELS & fooling construction
NF66_1020	Construct the new column & columnhead	6	i0 60 05-Ma	ay-20 15-Jul-2	0 07-Mar-2	0 22-May-20	W W MA CHERRY SE Seller S 50 CONTRACTOR SECOND		
WORK BET	WEEN FOOTBRIDGE NF66 AI	ND F(O TAN ROA	AD (ZONE	5)				
PHELMINARES	WORKS								
SUMMARY PROG	RAMME							-	
Z5SU1000	Zone 5 Stage 1 SE3-2 SB foundation	29	1 274 15-Fe	sb-20 A 29-Jan-	21 30-Nov-1	9 23-Nov-20			
Z5SU1005	Zone 5 Stage 2 NB & SB foundation	46	7 467 29-Fe	eb-20 25-Sep-	21 30-Nov-	9 02-Jul-21			
							E		
MEPARATORY					_				
MODIFICATION	EXISTING ROAD/TEMPORARY ROAD								-
Z5_1720	Zone 5-1_construct temporary road platform along Northbound	4	15 45 15-Ap	or-20 08-Jun-	20 15-Jan-2	0 10-Mar-20			Zone
UTILITIES OWER									
NORTHBOUND	and the second								in a second s
Z5_1610	UU_CLP-slew 132kv cable for N4 CH2500-2550		6 6 12-Ma	ay-20 18-May	20 14-Mar-2	0 20-Mar-20	· · · · · · · · · · · · · · · · · · ·		UU_CLP alew 132kv cable for N4 CH2500-2550 5
Z5_1620	50m UU_CLP-abandoned 33kv cable for N4	1		ay-20 09-Jun-				1))	
	CH2550-2630 100m						ē		
Z5_1650	UU_CLP-abandoned 33kv cable for N4& SE3 CH2640 30m	1		ay-20 04-Jun-					UU_CLP-abar
Z5_1850	UU_Fresh watermain for N4 CH2450-2560 63m 600mm	3	15 35 28-Ma	ay-20 09-Jul-2	0 31-Mar-2	0 16-May-20			
NORE GARDER	AND SEMATINGLOSURE								· · · · · · · · · · · · · · · · · · ·
PILE FOUNDATIO	ON WORKS								
SOUTHBOUND						_			
Z5_1990	SE3-2_site investigation for S3E2-61P (2nr)	1	10 0 15-Fe	eb-20 A 21-Feb-	20 A 30-Nov-	9 11-Dec-19	SE3-2_site investigation for S3E2-61P (2nr)		1
Z5_2000	SE3-2_mini piles for S3E2-61P (8nr ver)	3		ar-20 16-Apr-				SE3-2_mini piles for S3E2-\$1P (8nr v	
PLE CAP AND FO		-							ы.
									1
SOUTHBOUND									
Z5_1230	SE3-2_ELS for footing construction S3E2-51 to S3E2-60 (131m_2 side)	7	73 73 06-Ma	iar-20 05-Jun-	20 28-Dec-	19 26-Mar-20			SE3-2_ELS
Z5_1245	SE3-2_footing/cap construction S3E2-51 to 61P (10nr)	21	10 210 23-Ap	pr-20 04-Jan-	21 14-Feb-3	0 28-Oct-20			
PORTION E			Contractor in						
PRELIMINALIED									
SUMMARY PROG	RAMME								
TPR NORTHBOU									
			150 00 F.	.h. 00 00 0	04 00 Mars	0. 0. 1.1.04			
PESU1000	Construction Zone 5 Portion E_Northbound structure	e 45	450 29-Fe	eb-20 06-Sep	21 30-1404-	19 22-201-21	£		
UTILITIES DIVEN									and the terrorities are to measure lawrence as a
NORTHBOUND									
Z5E_1180	UU_Fresh watermain for R5 & R6 CH2750-2845 115m 150mm	6	52 52 29-Fe	eb-20* 07-May	20 30-Nov-	19 06-Feb-20			UU_Fresh watermain for R5 & R6 CH2750-2845 115m 150mm
HORSE HARMER	AND SEMEENCLOSURE								
	DN WORKS								
NORTHBOUND							a		
Z5E_1000	R6_site investigation for R6-02P (6nr)	3	30 30 07-M	lay-20 11-Jun-	20 06-Feb-	20 12-Mar+20			·
	NO REMAINING WORKS			,		- Indi EU			
ACCEPTION OF THE REAL	TO DE MARINE BUILDA							l I	
GEOTECHNICAL	WORKS								1
NORTHBOUND									
Z5E_1150	Zone 5 Portion E_fill replacement by no-fines concrete 7SE-A/F163 (open excavation)	3	31 31 07-M	lay-20' 12-Jun-	20 14-Feb-	20 21-Mar-20			
	······						N		
Possed Damai	ining Lovel of Effort	vrk	0	Mileston		I ROAD	WIDENING & RETROETTING NOISE RARRIERS ON TAL DO		vision Checked Approved
	ining Level of Effort Actual Wo		•	 Mileston Baseline 		HUAD	WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO	ROAD (SHA TIN SECTION) 06-Mar-20 3MRP DW	
	Level of Effort Remaining ry Baseline Critical Re	-			NIIIestone		3 Months Rolling Programme (29/02/20)		
- Primar	y Baseline Critical Re	naining	JANOIN				Page 5 of 5		

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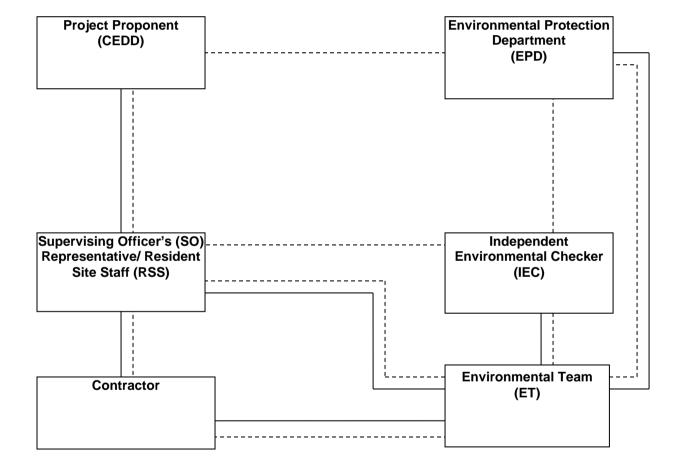


Appendix B

Project Organization Chart

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L	_egend:
	Line of Reporting
	Line of Communication

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Appendix C

Action and Limit Levels for Air Quality and Noise

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

Parameter	Monitoring Station	Action Level (µg/m³)	Limit Level (µg/ m³)
	AMS 5	156	
24-hr TSP	AMS 7A	171	260
(µg/m³)	AMS 11A	166	200
	AMS 15	172	
	AMS 5	340	
1-hr TSP	AMS 7A	344	500
(µg/m³)	AMS 11A	335	500
	AMS 15	350	

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 NMS17* NMS18 NMS19 NMS20 NMS20 NMS23 NMS24 NMS25A 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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Appendix D

Calibration Certificates of Monitoring Equipment

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



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	By direct comparison the weight 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	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

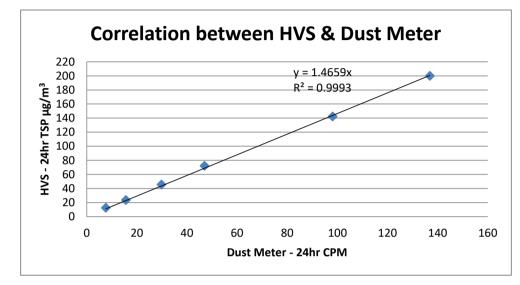
Checked by :	cump	Date :_	19 - 7 - 2019	_Certified by :_	K J. Loung	_ Date :_	20.7-2019
CA-R-297 (22/07/20	V				vok Tai (Assistant		

** 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

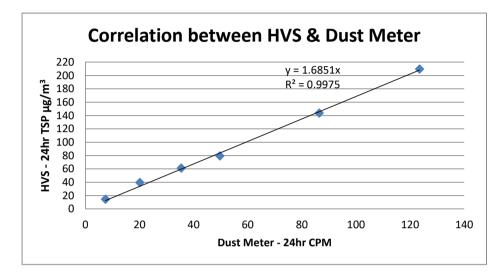


PRODUCT NAME	:	Digital Dust Indicator
MODEL NUMBER	:	LD-5R
SERIAL NUMBER	:	620408
CALIBRATION DATE	:	23 August -2019
ondibitation bind		ao muguot aono

Testing Category	Judging Standard			Judgmer	nt				
Function Test	Switch, Display, Wiring will normally function			OK					
Sensitivity	Count is $\pm 2\%$ accurate to the master by the	Reading	g of	Reading of	this	Correction		Inspecti	on chart
Calibration	standard calibration particle	Master		Instrumen	t			D C	
		805	CPM	802	CPM	-0.4	%	Reference	e Value(S)
Dust Concentration	n Count is $\pm 10\%$ accurate to the master under the 3 different concentration.		CPM	2026	CPM	-0.2	%	500	ODM
Measuring			1004 CPM		987 CPM		%	766	CPM
		513	CPM	507	CPM	-1.2	%	Test atn	nosphere
Reproducibility	The difference between maximum and minimum							Temperature	Humidity
	value of sensitivity adjustment scale setting must be 5.0 % or less of maximum value.							20 °C	50 %
	(The results of measurement of sensitivity adjustment in 5 times are within this range.)	OK							
Synthetic Judgment				Good					

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



Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong

Report no.: 940891CA200109(1)

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.	: 882148
Specification Limit	: NA
Next Calibration Date	: 09-Oct-2020

Laboratory Information

Description	:	TSP high volume air sample	r
Serial No.	ŝ	4350	
Date of Calibration	;	10-Oct-2019	Ambient Temperature : 28 °C
Calibration Location	;	Ma Wan A1 Site Boundary	
Method Used	:	By direct comparison the wei	ight 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)
0.1047	2789	46.48
0.0623	1912	31.87
0.0587	1854	30.90

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 = 0.002066
- 3. Correlation coefficient (r) : 0.9999

Date : 10-2-2020 Certified by : KJ Jung Date : 10-2-2020 Checked by : Leung Kwok Tai (Assistant Manager) CA-R-297 (22/07/2009)

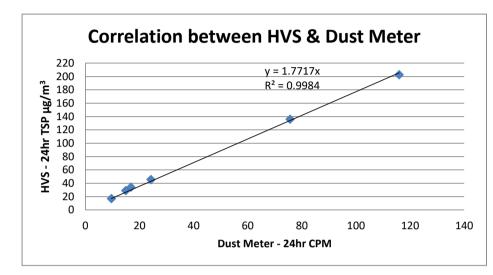
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Correlation between HVS & Dust Meter				
Model:	Sibata LD-5R			
Serial No:	882148			

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



Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong

Report no.: 940891CA196546(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

Description	: Laser dust monitor
Manufacturer	: SIBATA
Model No.	: LD-5R
Serial No.	: 761105
Specification Limit	: NA
Next Calibration Date	: 05-Dec-2020

Laboratory Information

Description	1	Reference balance					
Equipment ID.	•	R-039-12					
Date of Calibration	:	06-Dec-2019	Ambient Temperature : 22 °C				
Calibration Location	:	Calibration Laboratory of FTS					
Method Used	:	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 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)
0.0393	1260	21.00
0.0681	1519	25.32
0.0504	1327	22.12

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 = 0.002306

3. Correlation coefficient (r) : 0.9906

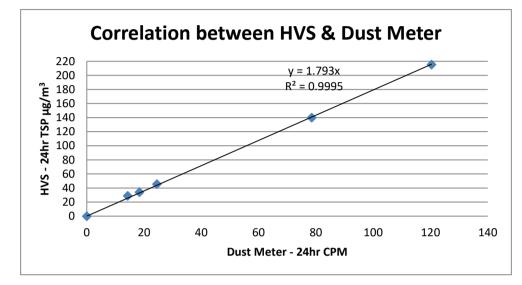
Checked by :	com	_ Date : 17 - 12 - 2019	_Certified by :	K T Loung	Date :	18-12-2019
CA-R-297 (22/07/20	09)		Leung Kw	ok Tai (Assistant I	Vanager)	

** End of Report **

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Correlation between HVS &	& Dust Meter
Model:	Sibata LD-5R
Serial No:	761105

HVS - 24hr TSP μg/m ³	28.99	34.06	45.57	139.89	215.48
Dust Meter - 24hr CPM	14.3	18.4	24.5	78.51	120.36



K factor = 1.793

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Page 1 of 1

Report no.: 183057CA196119(1)

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 Capalla

Manufacturer	:	Casella		
		Meter	Microphone	Preamplifier
Model No.		CEL-63X	CE-251	CEL-495
Serial No.	:	1488303	02650	003916
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 °C 26-Aug-2019 Ambient Temperature: 22 Date of Calibration :

Calibration Laboratory of FTS Calibration Location :

By direct comparison Method Used 3

Calibration Results :

Parame	ters	Mean Value (dB)	Specific	Specification Limit(d	
	4000Hz	1.9	2.6	to	-0.6
	2000Hz	1.6	2.8	to	-0.4
	1000Hz	0.2	1.1	to	-1.1
A-weighting	500Hz	-3.1	-1.8	to	-4.6
frequency response	250Hz	-8.5	-7.2	to	-10.0
	125Hz	-16.0	-14.6	to	-17.6
	63Hz	-26.0	-24.7	to	-27.7
	31.5Hz	-39.0	-37.4	to	-41.4
Differential level	94dB-104dB	0.0		± 0.6	5
linearity	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 :	Rolliam	Date : <u>5</u> -	9-2019	Certified by :	K h Young Date :	6-9-2019
CA-R-297 (22/07/20	09)			Leur	ng Kwok Tai (Assistant Mar	nager)

** End of Report **

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Page 1 of 1

Report no.: 183057CA195786(1)

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.	:	2451082	01378	002317
Next Calibration Date	:	16-Jun-2020		
Specification Limit	:	EN 61672: 2003 Type 1		
and the second				

Laboratory Information

Description : B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting) Equipment ID. : R-108-1 Date of Calibration : 17-Jun-2019 Ambient Temperature : 22 °C Calibration Location : Calibration Laboratory of FTS Method Used : By direct comparison

Calibration Results :

Parame	eters	Mean Value (dB)	Specific	cation	Limit(dB)
	4000Hz	1.4	2.6	to	-0.6
	2000Hz	0.9	2.8	to	
Auvoiabtina	4000Hz 2000Hz 1000Hz 500Hz 250Hz 125Hz 63Hz 31.5Hz	0.0	1.1	to	-1.1
A-weighting frequency response 500Hz 250Hz	500Hz	-3.2	-1.8	to	-4.6
	250Hz	-8.4	-7.2	to	
	125Hz	-15.7	-14.6	to	
	63Hz	-25.8	-24.7	to	
	31.5Hz	-38.8	-37.4	to	-41.4
Differential level	94dB-104dB	0.0		± 0.6	
linearity	104dB-114dB	0.0		± 0.6	-0.4 -1.1 -4.6 -10.0 -17.6 -27.7 -41.4

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: 21-6-2019 Certified by: 27-6-2019
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)
	** End of Report **



Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong Page 1 of 1

Report no.: 183057CA196552(2)

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.	:	1488306	03999	002748
Equipment ID	:	N-56		
Next Calibration Date	:	19-Dec-2020		
Specification Limit	:	EN 61672: 2003 Type 1		

Laboratory Information

Details of Reference Equipment -

Description	:	B & K Acoustic Multifunction Calib	orator 4226 (Traditional free f	ield set	tting)
Equipment ID.	1	R-108-1			
Date of Calibration	÷	20-Dec-2019			
Calibration Location	1 :	Calibration Laboratory of FTS	Ambient Temperature :	22	°C
Method Used	2	By direct comparison			

Calibration Results :

Parameters		Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	1.3	2.6	to	-0.6
	2000Hz	1.3	2.8	to	-0.4
	1000Hz	0.0	1.1	to	-1.1
A-weigthing 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	-26.3	-24.7	to	-27.7
	31.5Hz	-39.3	-37.4	to	-41.4
Differential level linearity	94dB-104dB	0.0		± 0.6	;
	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 UUT complies 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 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 : 30 -12 - 2019	_ Certified by : _	F J. Leurs	Date :	30-12-2019
CA-R-297 (22/07/2009)			Leung H	Kwok Tai (Assistant	Manager)
		** -	1 () 1 ++			

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Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong Page 1 of 1

Report no.: 183057CA196458

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.	0	2451048	02789	004065		
Equipment ID	:	N/A				
Next Calibration Date	:	21-Nov-2020				
Specification Limit	;	EN 61672: 2003 Type 1				

Laboratory Information

Details of Reference Equipment -

Description	:	B & K Acoustic Multifun	ction Calibrator 4226 (Tra	dition	al free field setting)
Equipment ID.	:	R-108-1			
Date of Calibration	:	22-Nov-2019	Ambient Temperature :	22	°C
Calibration Location	ו :	Calibration Laboratory of	of FTS		
Method Used	:	By direct comparison			

Calibration Results :

Parame	ters	Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	1.9	2.6	to	-0.6
	2000Hz	1.5	2.8	to	-0.4
	1000Hz	0.0	1.1	to	-1.1
A-weigthing	500Hz	-3.4	-1.8	to	-4.6
frequency response	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	-38.9	-37.4	to	-41.4
Differential level	94dB-104dB	0.0		± 0.6	3
linearity	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.

Checked by : <u>Millian</u> Date : <u>37-1(-2019</u> Certified by : <u>K Jama</u> Date : <u>28-11-2019</u> CA-R-297 (22/07/2009) Leung Kwok Tai (Assistant Manager) ** End of Report **



Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong Page 1 of 1

Report no.: 183057CA196490

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT

Description Manufacturer	:	Sound Level Meter Casella		
		Meter	Microphone	Preamplifier
Model No.	:	CEL-63X	CE-251	CEL-495
Serial No.	:	1488304	02695	003984
Equipment ID Next Calibration Date Specification Limit	:	N/A 02-Dec-2020 EN 61672: 2003 Type 1		

Laboratory Information

Details of Reference Equipment -

Description :	& K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)			
Equipment ID. :	R-108-1			
Date of Calibration :	03-Dec-2019			
Calibration Location :	Calibration Laboratory of FTS	Ambient Temperature :	22	°C
Method Used :	By direct comparison			

Calibration Results :

Parameters		Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	0.8	2.6	to	-0.6
	2000Hz	1.8	2.8	to	-0.4
	1000Hz	1.0	1.1	to	-1.1
A-weigthing frequency response	500Hz	-2.2	-1.8	to	-4.6
	250Hz	-7.6	-7.2	to	-10.0
	125Hz	-15.0	-14.6	to	-17.6
	63Hz	-25.1	-24.7	to	-27.7
	31.5Hz	-38.0	-37.4	to	-41.4
Differential level linearity	94dB-104dB	0.0		± 0.6	3
	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 UUT complies 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 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 :	Date : 12-12-2019 Certified by : Toung Date : 12-12-2019
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)
	** End of Report **

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Page 1 of 1

Report no.: 183057CA195577

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. 3756127 00995 003359 Next Calibration Date 16-May-2020 **Specification Limit** EN 61672: 2003 Type 1

Laboratory Information

Description:B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)Equipment ID.:R-108-1Date of Calibration :17-May-2019Ambient Temperature :22 °CCalibration Location :Calibration Laboratory of FTSMethod Used :By direct comparison

Calibration Results :

Parameters		Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	1.6	2.6	to	-0.6
	2000Hz	1.3	2.8	to	-0.4
A-weighting frequency response	1000Hz	0.0	1.1	to	-1.1
	500Hz	-3.4	-1.8	to	-4.6
	250Hz	-8.7	-7.2	to	-10.0
	125Hz	-16.2	-14.6	to	-17.6
	63Hz	-26.2	-24.7	to	-27.7
	31.5Hz	-39.1	-37.4	to	-41.4
Differential level linearity	94dB-104dB	0.0		± 0.6	3
	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 :	_ Date :	17-5-2019 Certified by: 67 Jung Date: 185-	2019
CA-R-297 (22/07/2009)		Leung Kwok Tai (Assistant Manager)	/
		** [+ ++	

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Report no.: 183057CA195786(2)

Page 1 of 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.	:	1677126
Equipment ID	:	N/A
Next Calibration Date	÷	17-Jun-2020
Specification Limit	:	EN 60942: 2003 Type 1

Laboratory Information

Description	:	Reference Sound lev	el meter		
Equipment ID.	:	R-119-1			
Date of Calibrat	tion	: 18-Jun-2019	Ambient Temperature :	22	°C
Calibration Location : Calibration Laboratory of FTS					
Method Used	:	By direct comparison			

Calibration Results :

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

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.

Checked by :	Reillicia	Date : >1 - 6-201	Certified by :_	KILlung	Date : 21-	6-2019
CA-R-297 (22/07/20	09)		Leun	g Kwok Tai (Assist	ant Manager)	

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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)

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Report no.: 183057CA196275

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.	:	2383852
Equipment ID	:	N/A
Next Calibration Date	:	15-Oct-2020
Specification Limit	;	EN 60942: 2003 Type 1

Laboratory Information

Details of Reference Equipment -

Description	:	Reference Sound lev	vel meter	
Equipment ID.	:	R-119-1		
Date of Calibration	:	16-Oct-2019	Ambient Temperature : 22	°C
Calibration Location : Calibration Laboratory of FTS				
Method Used :	By	direct comparison		

Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	0.0 dB	±0.4dB
114dB	0.0 dB	10.400

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 :	Date: <u>>2-(0-2019</u> Certified by: <u>E.J. Joung</u> Date: <u>>2-10-201</u>	1
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)	
	** End of Report **	

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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 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	-0.2 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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Appendix E

Environmental Monitoring Schedules, Examination Schedules and Arrangements on Deferral of Class Resumption for All Schools

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		-		1	2		3
Ì				AMS2 Villa Le Parc			
				AMS3A Wai Wah Centre			
ļ				AMS11A Sheung Wo Che			
				AMS14 Ha Wo Che			
				NMS 8, NMS9, NMS 10A, NMS 11, NMS	NMS 1 NMS 2 NMS 3 NMS 4 NMS 54		
				12, NMS 13, NMS 14, NMS17, NMS 19,	NMS 6A, NMS 7, NMS 15, NMS 16, NMS		
				NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27		
	2			8	9	10	J
			AMS2 Villa Le Parc		AMS2 Villa Le Parc		
			AMS3A Wai Wah Centre		AMS3A Wai Wah Centre		
			AMS11A Sheung Wo Che		AMS11A Sheung Wo Che		
			AMS14 Ha Wo Che		AMS14 Ha Wo Che		
			NMS 8, NMS9, NMS 10A, NMS 11, NMS	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,			
			12, NMS 13, NMS 14, NMS17, NMS 19,	NMS 6A, NMS 7, NMS 15, NMS 16, NMS			
			NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27			
1	12	13	3 14	15	16	17	7
ł				AMS2 Villa Le Parc			
				AMS3A Wai Wah Centre			
				AMS11A Sheung Wo Che			
Apr-20				AMS14 Ha Wo Che			
			4		NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,		
				12, NMS 13, NMS 14, NMS17, NMS 19,	NMS 6A, NMS 7, NMS 15, NMS 16, NMS		
ļ	10			NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27		1
ļ	19	20		22	23	24	4
			AMS2 Villa Le Parc				
			AMS3A Wai Wah Centre				
			AMS11A Sheung Wo Che				
			AMS14 Ha Wo Che				
				NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,			
			12, NMS 13, NMS 14, NMS17, NMS 19,	NMS 6A, NMS 7, NMS 15, NMS 16, NMS			
ļ			NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27			
ļ	26	27	7 28	29	30		
ļ		AMS2 Villa Le Parc					
		AMS3A Wai Wah Centre					
		AMS11A Sheung Wo Che					
		AMS14 Ha Wo Che					
ļ		NMS 8, NMS9, NMS 10A, NMS 11, NMS	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,				
ļ		12, NMS 13, NMS 14, NMS17, NMS 19,	NMS 6A, NMS 7, NMS 15, NMS 16, NMS				
		NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27			1	1
	1 Actual mor	, , , , ,	y safety concern or adverse weather condition	1			
amark			build be selected based on the prevailing wind		atruction works		
			vind directions in Apr 2020 are east, north east		struction works.		
	5. According	e e , , , ,	* · · · ·				
			truction activities in the reporting month inclu-	les:			
	4. According						
	4. According (1) Pre-drill v	vorks in Zone 1, 3, 4 & 5.					
	4. According (1) Pre-drill v (2) Tree press	vorks in Zone 1, 3, 4 & 5. ervation, felling and pruning in Zone 1, 3 & 5	j.				
	 According Pre-drill v Tree press Remedial 	vorks in Zone 1, 3, 4 & 5. ervation, felling and pruning in Zone 1, 3 & 5 works for road surface in Zone 1 & 2.					
	 According Pre-drill v Tree press Remedial Construct 	vorks in Zone 1, 3, 4 & 5. ervation, felling and pruning in Zone 1, 3 & 5 works for road surface in Zone 1 & 2. temporary road & site access in Zone 1 & 5.					
	 According Pre-drill v Tree press Remedial Construct Mini pile 	works in Zone 1, 3, 4 & 5. rvation, felling and pruning in Zone 1, 3 & 5 works for road surface in Zone 1 & 2. temporary road & site access in Zone 1 & 5. Works in Zone 1, 2 & 3.					
	 According Pre-drill v Tree press Remedial Construct Mini pile Trial Pits 	works in Zone 1, 3, 4 & 5. rvation, felling and pruning in Zone 1, 3 & 5 works for road surface in Zone 1 & 2. temporary road & site access in Zone 1 & 5. Works in Zone 1, 2 & 3. Excavation in Zone 3 to 5.					
	 According Pre-drill v Tree press Remedial Construct Mini pile Trial Pits Undergrout 	works in Zone 1, 3, 4 & 5. rvation, felling and pruning in Zone 1, 3 & 5 works for road surface in Zone 1 & 2. temporary road & site access in Zone 1 & 5. Works in Zone 1, 2 & 3.					

(9) Soldier pile works & Pre bored H-pile works in Zone 3.

(10) Construction of Central Median Zone 3.

(10) Construction of Leula Road, Cycle Track Diversion, Temporary Road and Footpath in Zone 4 & 5.
 (12) Construction of footbridge NF40 staircase structure works & Foundation works of footbridge NF66 in Zone 4.
 (13) Noise Barrier Foundation Works and Soil Replacement on Slope in Zone 5

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6	7
				AMS5 Tin Liu			
				AMS7A Sheung Wo Che			
				AMS11A Sheung Wo Che			
				AMS15 Ha Wo Che			
					NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,		
					NMS 6A, NMS 7, NMS 15, NMS 16, NMS		
				NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27		
	8	9	10	11	12	13	14
			AMS5 Tin Liu				
			AMS7A Sheung Wo Che				
			AMS11A Sheung Wo Che				
			AMS15 Ha Wo Che				
			NMS 8, NMS9, NMS 10A, NMS 11, NMS				
				NMS 6A, NMS 7, NMS 15, NMS 16, NMS			
			NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27			
	15	16	17	18	19		21
		AMS5 Tin Liu				AMS5 Tin Liu	
		AMS7A Sheung Wo Che				AMS7A Sheung Wo Che	
Mar-20		AMS11A Sheung Wo Che				AMS11A Sheung Wo Che	
		AMS15 Ha Wo Che NMS 8, NMS9, NMS 10A, NMS 11, NMS	NIME 1 NIME 2 NIME 2 NIME 4 NIME 54			AMS15 Ha Wo Che	
			NMIS 1, NMIS 2, NMIS 5, NMIS 4, NMIS 5A, NMIS 6A, NMIS 7, NMIS 15, NMIS 16, NMIS				
			18,NMS 23, NMS 27				
	22	NWIS 20, NWIS 24, NWIS 25A, NWIS 20 23		25	26	27	28
	22	23	24	2	AMS5 Tin Liu	21	28
					AMS7A Sheung Wo Che		
					AMS1A Sheung Wo Che		
					AMS15 Ha Wo Che		
					NMS 8, NMS9, NMS 10A, NMS 11, NMS	NMS 1 NMS 2 NMS 3 NMS 4 NMS 54	
						NMS 6A, NMS 7, NMS 15, NMS 16, NMS	
					NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27	
	29	30	31				
			51				

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 Mar 2020 are east 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) Pre-drill works in Zone 1 to 5.

(3) Tree felling and pruning in Zone 1, 2, 3 & 5.

(4) Remedial works for road surface in Zone 1 & 2.

(5) Construct temporary road & site access in Zone 1 & 5.

(6) Mini pile Works in Zone 1, 2 & 3.

(7) Construction / diversion of inderground utilities in Zone 3, 4 & 5.

(8) Soldier pile works & Pre bored H-pile works in Zone 3.

(9) Construction of Haul Road, Cycle Track Diversion, Temporary Road and Footpath in Zone 4 & 5.

(10) Construction of footbridge NF40 staircase structure works & Foundation works of footbridge NF66 in Zone 4.

(11) Noise Barrier Foundation Works and Soil Replacement on Slope in Zone 5

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

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

Tentative Regular Night Time Noise Monitoring Schedule (March 2020)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5 Decular sight time	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, 2 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,
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Project: Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

Tentative Regular Night Time Noise Monitoring Schedule (April 2020)

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

Remarks

- 1. Due to safety concern, 2 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.

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<u> 培英中學2019至2020年度校曆表</u>

	1	B	-	=	Ξ	四	五	六	假期及注意事項								
週		4	-	-	1	4	#	~	以別人仁心才久								
边次	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		12	15	(14)	(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 ^T	1 ^T	2	(28/10-1/11)中一至中六級統一測驗								
10		3	4	5	6	7	8	9	(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								(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) 敬師周								
		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	Ű		10					(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								
	月								(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)		(26)	(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								
10	١	(29)	(20)	(21)	Jan	2	2	Α	(20.21/10) 古 上加出到								
18		(29) 5	(30) 6	(31) 7 ^E	(1) 8 ^E	2 9 ^E	3 10 ^E		(30,31/12)中六級補課 (7.16/1)中一方由工作上留期期各共8工。(7.20/1)中上個團新設								
19		-			Ů	-	-		(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 21		12 19	13 ^E 20 ^E	14 ^E	15^{E}	16 ^E	17^{E}	18 (25)	(17-21/1)中一至中五級試後回饋日(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								
		17	20	- 1	(22)	(23)	(24)		(22/1-3/2)農曆新年假期共13天								
	月							Feb									
22		(26)	(27)	(28)	(29)	(30)	(31)	(1)	(1/2)								
23	11	(2)	(3)	4	5	6	7	8	(4/2)下學期開始 (4/2)教師專業發展日(2)(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問記								
Щ									(10-14/2)福音周 (14/2)佈道會								
25		16	17	18	19	20	21	22^{\triangle}	(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								
									(24-28/2)「基本法之時空解迷」活動								
26	月	23	24	25	26	27	28		(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)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	1	=	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	(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 (24/4)校祖日感恩崇拜暨慶祝活動 (24/4)TSA口試後備日 (25/4)區會模範生頒獎典禮
35	月						May		(29/4)全方位學習日
		26	27	28	29 △	(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 9/5) 幼 井 田
37		10	11	12	13	14	15△	16	(4-8/5)科技周(15/5下午)畢業典禮(15/5晚上)歡送畢業生暨校友會迎新晚會
38		10	18	19	20	21 [△]	(22)	23	
39	月	24	25	26	27	28	29	30	(21/5)第六十一屆陸運會 (22/5)陸運會翌日假期
39		24	23	20	21	20	29	30	(29/5)畢業禮後備日
			Jun	- F	- F	· F	- E	-	(2-11/6)中一至中四級下學期考試共8天
40	六	31	1	2 ^E	3 ^E	4 ^E	5 ^E		(2-15/6)中五級下學期考試共10天
41		7	8 ^E	9 ^e	10 ^E	11 ^E	12 ^E	13	(12-16/6)中一至中四級試後回饋日
42		14	15^{E}	16	17	18	19	20	(16-30/6)中五級試後上課周 (16/6下午)中五級學習概覽寫作工作坊
72									(10/0下下)下五效子白佩見為下十下約 (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	21	22	20	Jul	(=0)	20		(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
\square									(13/7)結業禮 (13/7)接見家長及學生
46		12	13	(14)	(15)	(16)	(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		(19)	(20)	(21)	(22)	(23)	(24)	(25)	
$\left \right $	月							Aug	
48		(26)	(27)	(28)	(29)	(30)	(31)	(1)	
49		(2)	(3)	(4)	(5)	(6)	(7)	(8)	
50	へ	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(10/8)學生註冊及領取書籍校服 (10-21/8)升中導向課程(10-21/8)中六級香港中學文憑考試備試課程
51	月	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(21-22/8)中一適應營
52		(23)	(24)	(25)	(26)	(27)	(28)	(29)	
	九			Sept					(1/9)下學年開學禮
53	月	(30)	(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>

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29 30 31 23/12 Christmas & New Year Holiday	
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Month	Cycle	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Major Events/Holidays & Activities
					1	2	3	4	2-13 First Term Exam
					٠	*	*	*	14-22 First Term Exam Script Review in Normal TimetableOpening Ceremony of Graduation Class Visual Arts
		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
uary	13	0	*	VI	I	II	III	0	-1/2
January 2020		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	14 First Term Prize Presentation Ceremony15 Parents' Day (Distribution of First Term Report Cards)
)20	14	0	<u>5</u> 1	± 	<u> </u>	IV	V	0	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	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	
ш. —	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	 F.3 Parents' Night (DSE Curriculum & Streaming) Staff Development Day 2 (TBC)
20		0	II	Ш	IV	V	VI	0	
202		15	16	17	18	19	20	21	
March 2020	19	О	I	П	Ш	IV	SD2	0	
Ma		22	23	24	25	26	27	28	
	20	0	V	VI	I	П	Ш	0	
		29	30	31					
		0	IV	V					
					1	2	3	4	3 Activity Day
	21				VI	Ι	%	•	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	О	О	О	•	•	22-24 Reading Week
202		12	13	14	15	16	17	18	30 The Birthday of the Buddha
April 2020		•	•	О	П	Ш	IV	0	
◄		19	20	21	22	23	24	25	
	22	О	V	VI	I	П	Ш	0	
		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	О	I	П	Ш	IV	V	О	22	F.5 Parents' Night (Careers Planning & Academic
0		10	11	12	13	14	15 ^H	16	25/5	Enhancement) Activities Suspension
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	Ш	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 F.3 TSA (Written Assessments)
		7	8	9	10	11	12	13		Second Term Exam Script Review with Special
0		О	*	*	*	*	*	*		Timetable
202		14	15	16	17	18	19	20	25	Tuen Ng Festival
June 2020		0	*	*	*	*	*	*	26 29/6	Appreciation Night Dinner (TBC) Post Exam Activities
ηſ		21	22	23	24	25	26	27	-9/7	
		0	%	%	%	•	%	0		
		28	29	30						
		0	%	%						
					1	2	3	4	1	The HKSAR Establishment Day
					•	%	%	0	8 10	HKDSE Results Release (TBC)
		5	6	7	8	9	10	11	10	Newsletter to Parents (6) Closing Ceremony
0		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		
٦ſ		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	О	О		
20		9	10	11	12	13	14	15		
August 2020		0	0	0	0	0	0	0		
snɓ		16	17	18	19	20	21	22		
Aug		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			屋	1	期			行事要項	假期日
	UJ	H	`		<u> </u>	兀	Æ	六		動
(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*		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		
	11	22	23	24	25	26	27	28		
		29	23 30	27	23	20	<i>2</i> 1	20		
9		29	50	1	2	3	4	5	1/10 國慶日	1
		6	7	1 8				_		_
		6	7		9	10	11	12	7/10 重陽節	1
7	月	13	14	15	16	17	18	19 26		
8		20	21	22	23	<u>24</u>	<u>25</u>	26	24/10-29/10 上學期測驗(J.6 呈分試)	
9		27	<u>28</u>	<u>29</u>	30	31				
							1	2		
	+	3	4	5	6	7	8	9		
11 12 13	<u> </u>	10	11	12	13	14	15	16*	16/11 上學期家長日	
	月	17	18	19	20	21	22	23		
(13)		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
(14)		1	2	3	4	5	6	7		
15	+	8	9	10	11	12	13	14		
(16)	1	15	16	17	18	19	20	21		
17	月	22	23	24	25	26	27	28	23/12/2019 - 2/1/2020 聖誕及新年假期	6
		29	30	31						3
	2020				1	2	3	4		2
(19)		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		24	25	22/1-1/2 農曆新年假期	4
19 20 21 22		26		28						6
		20		20		50	51	1		1
		2	3*	4	5	6	7*	8	3/2 下學期開始 7/2 旅行日	
	一月	2 9	3 10	4 11	12	13		8 15		
 附註										
れい 青士・	•	エレスマ	ᆡᅜᄭᄇᆆ	-i -	オイトレ	イン・イッチー				

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

	-		-	-		-									_		has then 1 the
_	Ħ	1	-	1	四	五	六	假期/事項		Ħ	1	-	11	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)					1	2	3	$\overset{\mathbf{X}}{\rightarrow}$	清明節(4/4)
九	8	9	10	11	12	13	X	學校假期(13/9)中秋節翌日(14/9) P.1 半天上課(2-11/9)	四	5	6	7	$\overset{\mathbf{X}}{\hookrightarrow}$	×	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							
F						1	2				1	2	<u>3</u>	4	<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	25	26	27	28	<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	▼未饱補戌(2/1)
=	15	16	17	18	19	20	21	專題研習周(16-19/12)聖誕崇拜(20/12)		12	X	14	শ	76	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	$\overrightarrow{20}$	$\overleftarrow{\mathbf{X}}$	22	23	24	25	
	29	30	X							26	\mathbf{x}	28	29	30	X		
⊢				\mathbf{X}	2	3	4	P.6 家長日(4/1)								X	
二零	5	6	7	8	9	10		P.1-5 家長日(11/1)	ᆺ	X	X	X	X	X	X	$\overleftarrow{\mathbf{x}}$	
+ =	12	13	14	15	16			跨學科活動日(17/1)		$\mathbf{\mathbf{x}}$	$\overleftarrow{\mathbf{y}}$	X	$\overleftarrow{\mathbb{N}}$	× ×	$\overrightarrow{4}$	শ	
零左	19	20	\mathbf{X}	22	23	24		陸運會(20/1)農曆新年假期(21/1-3/2)	月	16	$\overleftarrow{\mathbb{N}}$	$\overrightarrow{\mathbf{x}}$	$\overrightarrow{\mathbf{y}}$	$\overrightarrow{20}$	$\overrightarrow{\mathbf{M}}$	$\overleftarrow{22}$	
年 一	26	\mathbf{X}	$\overrightarrow{28}$	\leftrightarrow	\leftrightarrow	\mathbf{x}				23	$\overrightarrow{24}$	25	26	$\overrightarrow{2}$	28	$\overleftarrow{29}$	
月										30	\mathbf{x}						
⊢							X		緣	色差	5半;	天上	課	3	橙	色為	· 延伸學習活動課(周三)
=	\mathbf{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	を上す	課日	數	: 19	2日	(包:	括兩次家長日)
月	-			19		21					灵期						
		24					20	學校籌款日(23/2) 學校籌款日補假(24/2)]:3 白目		出口ノ	• 70	п
⊢	1	2	3	4	5	6	2> 7	一至五年級主科考試(12-13/3)	周六及日 (不包長假期):78 日 教師專業發展日:3 日								
Ξ	8	<u>2</u>			<u>12</u>	13		六年級報分試(9-13/3)	教師等 兼 贺 展 日 · 5 日 合計:366 日								
月		<u>_</u> 16				<u>15</u> 20			▲ 學校假期 ●校自決假期								
		23				20			2/10 30/11 22/5 教師專業發展日								
		23 30			20		20	境外學習(28/3-2/4)			<i>V</i>						
		30 界沙		厤湄	괘			網址:www.stts.edu.hk	I	5	冒扦	: 34	576	334	4		傳真:2609 0597
	2141	ハーク	щ /	亚你	11.			MARTE - MANA MARTIN		E	2 10	• 5.		554	r		付兵・2007 0071



中華人民共和國香港特別行政區政府總部教育局

Education Bureau

Government Secretariat, The Government of the Hong Kong Special Administrative Region The People's Republic of China

本局檔號 Our Ref: EDB(SDCT)3/PRO/10/1/1 來函檔號 Your Ref.: 電話 Telephone : 傳真 Fax Line :

31 March 2020

To: Supervisors / Principals of All Schools

Dear Supervisor / Principal,

Deferral of Class Resumption for All Schools Together, We Fight the Virus

In view that the confirmed cases of COVID-19 are rapidly increasing recently, the Government announced on 21 March that classes of all schools (including kindergartens, primary schools, secondary schools, special schools and private schools offering non-formal curriculum) will continue to be suspended until further notice. The Education Bureau (EDB) will continue to take into account the professional advice from health experts, and follow up on the readiness of schools as well as the supply of epidemic preventive equipment in the community in deciding the exact date of class resumption. We will announce the class resumption date and related arrangements at least 3 weeks prior to class resumption, so that stakeholders could make better preparation.

Easter Holiday Arrangement

In principle, teachers are to have the Easter Holiday as usual based on the original schedule of their schools. If schools have operational needs during the period, they can also arrange staff to go back to schools on duty as usual. In consideration of the latest development of the pandemic, the Government announced on 17 March 2020 that the Red Outbound Travel Alert (OTA) had been issued for all overseas countries/territories. The Department of Health (DH) has also extended health quarantine arrangements on inbound travellers arriving from all countries/ territories and demand them to undergo compulsory quarantine. As the pandemic is escalated around the world, the situation in different countries/ regions may change rapidly within

a short period of time. Apart from the risk of infection, this may also affect the outbound travel and immigration control of the countries/regions concerned. The EDB strongly advises teachers and students to take their personal and family health as the top priority, do not travel abroad during the Easter Holiday, and join hands in minimising the risk of spreading the disease in the community. After the Easter Holiday, schools and teachers should continue the use of diversified modes to conduct learning and teaching to achieve "suspending classes but not suspending learning". In case teachers are unfortunately confirmed to have infected COVID-19, they should apply for sick leave with medical certificates. For those who are required to undergo compulsory quarantine due to special circumstances, in light that it may involve different circumstances, we will consider the related arrangements case by case. Schools may contact their respective Regional Education Offices for enquiry.

Diversified modes of learning to achieve "suspending classes without suspending learning"

The EDB encourages schools to continue to adopt diversified modes of learning, in accordance with their school-based situations and the needs at different learning stages, to support students to learn at home during the period of class suspension to achieve "suspending classes without suspending learning". Apart from real-time teaching, teachers may make use of commonly used learning management system, e-mails and school webpages to provide students with learning materials, homework, extra-curricular readings, to collect their exercises and provide feedback. Besides, students can be encouraged to do extensive reading and inquiry-based project learning with a view to building up their self-learning ability, and meeting the aims of learning at home. For the principles of adopting e-learning to support students' learning at home, they will be uploaded to the EDB's website (website: https://www.edb.gov.hk/en/edu-system/primary-secondary/applicable-to-primary-secondary/it-in-edu/flipped.html) for schools' reference.

We are thankful to schools in providing active support to individual students who have difficulties with e-learning, for example by lending mobile computer devices to students and helping them apply for relevant assistance, including "Bring Your Own Device" scheme under the Community Care Fund. We also appreciate the dedicated support of various sectors in the society to our needy students, such as helping them engage in e-learning at home during the class suspension period. We also noted that in the past two months, schools, building on their experiences, are further promoting different modes of learning (including e-learning); some schools and teachers attempting various new practices; and some schools striving to find out solutions for difficulties encountered. The experience gained can serve as reference for future development while some good practices or new attempts can be disseminated. We will invite schools to consolidate their relevant experience and outcomes. Details and templates will be provided later.

Together, we fight the virus and join hands in difficult times

Various industries in the society have been severely affected by this pandemic. During the class suspension period, services of the tuck shops/canteens, lunch box suppliers, school buses etc. have all been suspended for a long period. We strongly appeal to schools to take special consideration to cope with the difficult times with their contractors, for example, by providing rental concession to tuck shops/canteens (if any) during the class suspension period. If their contracts with the lunch box suppliers are going to expire by the end of the school year, they may consider extending it for one more year to relieve them from the work of re-tendering. In this regard, schools should obtain approval from the IMC/SMC, and keep the records properly. For government schools, they should serve as role-models in these practices. As the procedures and financial arrangements are slightly different from aided schools, details will be announced separately.

Besides, we appeal again to schools to discuss with the tutors of interest classes or support groups on the arrangement of their services, and consider the use of other modes to help students continue their learning, such as the use of e-learning during class suspension, enhanced training upon class resumption, arranging relevant sharing sessions / performances / competitions. Schools may charge the expenditure to relevant grants as far as practicable.

In view of the recent surging number in confirmed infected cases, the pandemic has escalated into a serious stage. The Government has put in place various anti-epidemic measures to reduce the risk of massive community outbreak. One of the key strategies is to further minimise social contacts and avoid mass gathering. In this regard, the EDB would like to remind schools that if they are to convene a meeting, online conference/teleconference should be adopted to replace face-to-face meeting. During the class suspension period, schools should remain open to take care of students who have to go back to school due to lack of carer at home, handle school basic and essential affairs and parents' enquiries. We noted that parents of students with special educational needs would also need to bring their children back to schools occasionally during this period so as to release themselves for some life chores work. We hope that schools can provide assistance as far as possible. Regarding manpower arrangement, schools should uphold the principles of adequacy and appropriateness. Teaching staff going back to schools should maintain social distancing and put in place all the preventive measures. If more than one student is back to school, appropriate social distance should be maintained. In this connection, schools can make reference to the epidemic preventive guidelines for the Hong Kong Diploma of Secondary Education

Examination (HKDSE), issued by the Hong Kong Examinations and Assessment Authority (HKEAA).

(Website:

http://www.hkeaa.edu.hk/DocLibrary/MainNews/Instructions_to_Candidates_Precauti onary_Measures_at_Exam_Centre_Eng_.pdf)

Amid the challenges posed by the pandemic, let's fight against the virus together and continue to achieve "suspending classes without suspending learning". The exact date of class resumption is still subject to further assessment. The EDB will continue to liaise with government departments concerned, including the Centre for Health Protection, and disseminate to schools the latest information and health advice regarding the infectious diseases. For any enquiries, please contact the respective Senior School Development Officer or Senior Services Officers.

Yours sincerely,

(Dr Verena LAU) for Secretary for Education

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Appendix F

Air Quality Monitoring Data

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1-hour TSP Impact Monitoring Result for

NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

AMS 5 - Tin Liu

				1-hour TSP (μg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Mar-20	17:33	82	80	80	81			Fine
10-Mar-20	17:01	83	81	81	82			Fine
16-Mar-20	17:45	82	82	73	79	340	500	Sunny
20-Mar-20	18:22	88	64	69	74			Fine
26-Mar-20	19:11	85	67	72	75			Fine
	Average		78					
	Max		88					
	Min		64					

AMS7A - Sheung Wo Che

				1-hour TSP ((µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Mar-20	9:48	88	83	78	83			Fine
10-Mar-20	17:14	76	59	59	65			Fine
16-Mar-20	10:01	106	91	81	93	344	500	Sunny
20-Mar-20	16:37	103	80	88	90			Fine
26-Mar-20	10:30	89	77	74	80			Fine
	Average		82					
	Max		106					
	Min		59]			

AMS 11A - Sheung Wo Che

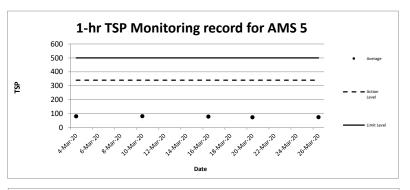
				1-hour TSP (µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
4-Mar-20	21:00	107	82	84	91			Fine
10-Mar-20	20:27	104	98	89	97			Fine
16-Mar-20	11:11	67	84	76	76	76 335 99	500	Sunny
20-Mar-20	10:50	103	95	99	99			Fine
26-Mar-20	13:40	97	80	75	84			Fine
	Average		89					
	Max		107					
	Min		67					

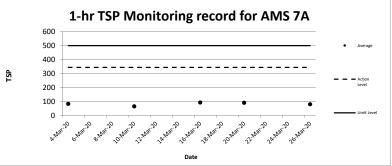
AMS 15 - Ha Wo Che

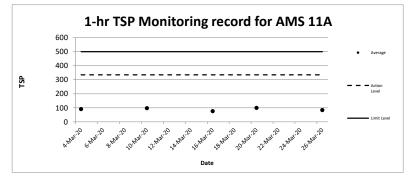
1-hour TSP (µg/m³)									
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather	
4-Mar-20	11:19	78	65	68	70			Fine	
10-Mar-20	21:48	76	61	50	62			Fine	
16-Mar-20	21:31	86	76	75	79	350	500	Sunny	
20-Mar-20	11:07	85	73	77	78			Fine	
26-Mar-20	10:58	82	63	73	73			Fine	
	Average		73						
	Max		86						
	Min		50						

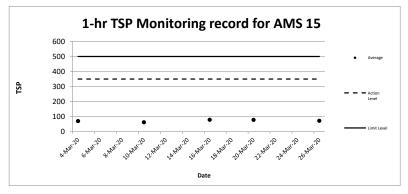
Remark 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

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.









- Tin Liu te and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)
4/3/2020 8:33	67	10/3/2020 9:01	71
4/3/2020 9:33	71	10/3/2020 10:01	69
4/3/2020 10:33	67	10/3/2020 11:01	62
4/3/2020 11:33	67	10/3/2020 12:01	63
4/3/2020 12:33	65	10/3/2020 13:01	72
4/3/2020 13:33	71	10/3/2020 14:01	71
4/3/2020 14:33	73	10/3/2020 15:01	76
4/3/2020 15:33	75	10/3/2020 15:01	70
4/3/2020 15:33	79	10/3/2020 17:01	83
	82		81
4/3/2020 17:33	82 80	10/3/2020 18:01	81
4/3/2020 18:33		10/3/2020 19:01	
4/3/2020 19:33	80	10/3/2020 20:01	80
4/3/2020 20:33	77	10/3/2020 21:01	79
4/3/2020 21:33	67	10/3/2020 22:01	64
4/3/2020 22:33	69	10/3/2020 23:01	74
4/3/2020 23:33	65	11/3/2020 0:01	62
5/3/2020 0:33	65	11/3/2020 1:01	63
5/3/2020 1:33	71	11/3/2020 2:01	72
5/3/2020 2:33	67	11/3/2020 3:01	74
5/3/2020 3:33	60	11/3/2020 4:01	58
5/3/2020 4:33	62	11/3/2020 5:01	58
5/3/2020 5:33	60	11/3/2020 6:01	64
5/3/2020 6:33	60	11/3/2020 7:01	64
5/3/2020 7:33	58	11/3/2020 8:01	53
Average	69	Average	70
			157
Action Level	156	Action Level	156
Action Level Limit Level	156 260	Action Level Limit Level	260
Limit Level	260	Limit Level	260
Limit Level		Limit Level Date and Time	
Limit Level	260 TSP Concentration (µg/m³)	Limit Level Date and Time 26/3/2020 9:11	260 TSP Concentration (µg/m³)
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22	260 TSP Concentration (μg/m*) 67 75	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11	260 TSP Concentration (µg/m*) 61 76
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 0/3/2020 10:22	260 TSP Concentration (µg/m³) 67 75 52	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11	260 TSP Concentration (µg/m³) 61 76 58
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 0/3/2020 10:22 0/3/2020 11:22	260 TSP Concentration (µg/m*) 67 75 52 65	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 11:11	260 TSP Concentration (µg/m [*]) 61 76 58 74
Limit Level	260 TSP Concentration (µg/m*) 67 75 52 65 73	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 13:11	260 TSP Concentration (µg/m*) 61 76 58 74 64
Limit Level	260 TSP Concentration (µg/m³) 67 75 52 65 73 75 75	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 13:11	260 TSP Concentration (µg/m³) 61 76 58 74 64 80
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 11:22 20/3/2020 12:22 20/3/2020 13:22 20/3/2020 14:22	260 TSP Concentration (µg/m³) 67 75 52 65 73 75 79	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 14:11 26/3/2020 15:11	260 TSP Concentration (µg/m³) 61 76 58 74 64 80 72
Limit Level	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 10:22 20/3/2020 12:22 20/3/2020 13:22 20/3/2020 13:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 14:11 26/3/2020 16:11 26/3/2020 16:11 26/3/2020 16:11	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 80 72 64 75
Limit Level te and Time 20(3/2020 8:22 20/3/2020 9:22 1/3/2020 10:22 1/3/2020 11:22 1/3/2020 12:22 1/3/2020 12:22 1/3/2020 12:22 1/3/2020 15:22 1/3/2020 15:22 1/3/2020 15:22 1/3/2020 15:22	260 TSP Concentration (µg/m³) 67 75 52 65 73 75 79 65 78 75 78 75 75	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 10:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 17:11 26/3/2020 17:11 26/3/2020 18:11	260 TSP Concentration (µg/m³) 61 76 58 74 64 80 72 64 80 72 64 75 74
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 0/3/2020 10:22 0/3/2020 11:22 0/3/2020 12:22 0/3/2020 12:22 0/3/2020 15:22 0/3/2020 15:22 0/3/	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78 75 88	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 18:11 26/3/2020 18:11 26/3/2020 18:11	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 72 64 75 74 85
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 0/3/2020 10:22 0/3/2020 11:22 0/3/2020 11:22 0/3/2020 11:22 0/3/2020 14:22 0/3/2020 16:22 0/3/2020 16:22 0/3/2020 17:22 0/3/2020 18:22 0/3/2020 18:22 0/3/2020 19:22	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78 75 88 64	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 14:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 17:11 26/3/2020 18:11 26/3/2020 19:11 26/3/2020 19:11 26/3/2020 19:11 26/3/2020 20:11	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 85 67
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 12:22 20/3/2020 13:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 19:22 20/3/2020 19:22 20/3/2020 19:22 20/3/2020 20:22	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78 75 88 64 69	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 16:11 26/3/2020 16:11 26/3/2020 16:11 26/3/2020 18:11 26/3/2020 18:11 26/3/2020 18:11 26/3/2020 18:11 26/3/2020 21:11 26/3/2020 20:11 26/3/2020 26/	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 85 67 72
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 0/3/2020 10:22 0/3/2020 11:22 0/3/2020 11:22 0/3/2020 13:22 0/3/2020 13:22 0/3/2020 15:22 0/3/2020 15:22 0/3/2020 15:22 0/3/2020 15:22 0/3/2020 15:22 0/3/2020 12:22 0/3/2020 21:22	260 67 75 52 65 73 75 65 73 75 65 78 79 65 78 75 88 64 69 69	Limit Level 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 18:11 26/3/2020 18:11 26/3/2020 18:11 26/3/2020 18:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 72 64 75 74 85 67 72 68
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 0/3/2020 10:22 0/3/2020 11:22 0/3/2020 11:22 0/3/2020 11:22 0/3/2020 14:22 0/3/2020 16:22 0/3/2020 16:22 0/3/2020 16:22 0/3/2020 17:22 0/3/2020 18:22 0/3/2020 19:22 0/3/2020 21:22 0/3/2020 10:22 0/3/2020 20:22 0/3/2020 20:22 0/3/2020 20:22 0/3/2020 10:22 0/3/2020 10:22 0/3/	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78 75 65 78 75 88 64 69 69 76	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 19:11 26/3/2020 19:11 26/3/2020 20:11 26/3/2020 20:11 26/3/2020 22:11 26/3/2020 23:11 26/3/2020 26/200 2000 26/200 26/200 27/200 27/200 27/200 27/200 27/20	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 85 67 72 68 68 68
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 13:22 20/3/2020 14:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 18:22 20/3/2020 19:22 20/3/2020 20:22 20/3/2020 21:22 20/3/2020 20/22 20/3/2020 20/22 20/20/22 20/3/2020 20/22 20/22 20/20/22 20/22	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78 75 88 64 69 69 69 76 72	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 15:11 26/3/2020 16:11 26/3/2020 16:11 26/3/2020 18:11 26/3/2020 20:11 26/3/2020 21:11 27/3/2020 21:11 26/3/2020 21:11 27/3/2020 21:11 26/3/2020 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 85 67 72 68 68 71
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 9:22 2)/3/2020 10:22 2)/3/2020 11:22 2)/3/2020 11:22 2)/3/2020 13:22 2)/3/2020 15:22 2)/3/2020 15:22 2)/3/2020 15:22 2)/3/2020 15:22 2)/3/2020 12:22 2)/3/2020 21:22 2)/3/2020 21:22 2)/3/2020 21:22 2)/3/2020 21:22 2)/3/2020 21:22 2)/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 0:22 22 22 22 22 22 22 22 22 22 22 22 22	260 67 75 52 65 73 75 75 79 65 78 75 78 75 88 64 69 69 69 76 72 61	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 18:11 26/3/2020 18:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 27/3/2020 0:11	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 64 75 67 72 68 68 68 71 73
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 13:22 20/3/2020 14:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 18:22 20/3/2020 19:22 20/3/2020 20:22 20/3/2020 21:22 20/3/2020 20/22 20/3/2020 20/22 20/20/22 20/3/2020 20/22 20/22 20/20/22 20/22	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78 75 88 64 69 69 69 76 72	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 15:11 26/3/2020 16:11 26/3/2020 16:11 26/3/2020 18:11 26/3/2020 20:11 26/3/2020 21:11 27/3/2020 21:11 26/3/2020 21:11 27/3/2020 21:11 26/3/2020 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200 20/200	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 85 67 72 68 68 71
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 9:22 2)/3/2020 10:22 2)/3/2020 11:22 2)/3/2020 11:22 2)/3/2020 13:22 2)/3/2020 15:22 2)/3/2020 15:22 2)/3/2020 15:22 2)/3/2020 15:22 2)/3/2020 12:22 2)/3/2020 21:22 2)/3/2020 21:22 2)/3/2020 21:22 2)/3/2020 21:22 2)/3/2020 21:22 2)/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 22:22 21/3/2020 0:22 22 22 22 22 22 22 22 22 22 22 22 22	260 67 75 52 65 73 75 75 79 65 78 75 78 75 88 64 69 69 69 76 72 61	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 18:11 26/3/2020 18:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 27/3/2020 0:11	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 64 75 67 72 68 68 68 71 73
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 13:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 12:22 20/3/2020 20:22 20/3/2020 20:22 20/3/2020 22:22 20/3/2020 22:22 21/3/2020 20:22 21/3/2020 12:2 21/3/2020 12:22 21/3/2020 12:22	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 65 78 79 65 78 88 64 69 76 72 61 81	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 27/3/2020 11:1 27/3/2020 11 27/3/	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 85 67 72 68 68 68 71 73 73
Limit Level Le and Time 20/3/2020 8:22 20/3/2020 9:22 0/3/2020 10:22 0/3/2020 11:22 0/3/2020 11:22 0/3/2020 11:22 0/3/2020 13:22 0/3/2020 14:22 0/3/2020 16:22 0/3/2020 16:22 0/3/2020 17:22 0/3/2020 17:22 0/3/2020 19:22 0/3/2020 21:22 0/3/2020 21:22 0/3/2020 22:22 0/3/2020 22:22 0/3/2020 22:22 1/3/2020 1:22 1/3/2020 1:22 22 22 22 22 22 22 22 22 22 22 22 22	260 TSP Concentration (µg/m*) 67 75 52 65 73 79 65 78 75 88 64 69 69 69 69 76 72 61 81 73	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 14:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 19:11 26/3/2020 19:11 26/3/2020 19:11 26/3/2020 29:11 26/3/2020 29:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 27/3/2020 21:11 27/3/2020 11 27/3/2020 11 27/3/2020 3:11 27/3/2020 27/3/2020 3:11 27/3/2020 3:11 27/3/2020 3:11	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 85 67 72 68 68 71 73 73 73
Limit Level ie and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 13:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 12:22 20/3/2020 12:22 20/3/2020 22:22 20/3/2020 22:22 21/3/2020 12:22 21/3/2020	260 67 75 52 65 73 75 79 65 78 75 78 75 88 64 69 69 76 72 61 81 73 63 83	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 27/3/2020 21:11 27/3/2020 11 27/3/2020 11 27/3/	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 72 64 85 67 72 68 68 68 68 71 73 73 64
Limit Level Limit	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78 75 88 64 69 69 76 72 61 81 73 63 53 61	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 19:11 26/3/2020 20:11 26/3/2020 20:11 26/3/2020 20:11 26/3/2020 21:11 27/3/2020 02:11 27/3/2020 02:11 27/3/2020 3:11 27/3/2020	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 85 67 72 68 68 71 73 73 73 64 50 64
Limit Level Limit Level Le and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 13:22 20/3/2020 13:22 20/3/2020 15:22 20/3/2020 12:22 20/3/2020 21:22 20/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 3:20 22 22/3/2020 3:22 22/3/	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78 75 88 64 69 69 69 69 69 69 76 72 61 81 73 63 53 63 53 61 58	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 14:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 19:11 26/3/2020 19:11 26/3/2020 19:11 26/3/2020 20:11 26/3/2020 20:11 27/3/2020 20:11 27/3/2020 20:11 27/3/2020 21:11 27/3/2020 3:11 27/3/2020 3:11 27/3/2020 4:11 27/3/2020	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 64 85 67 72 68 67 72 68 67 72 68 67 72 68 67 73 73 73 64 50 64 50 64 57 74 64 56 57 74 64 57 74 64 57 74 64 57 74 64 57 75 74 64 57 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 72 68 67 72 68 67 72 68 67 72 68 67 72 68 68 71 73 73 73 64 50 73 73 64 57 74 68 68 71 73 73 73 64 57 73 73 73 64 57 73 73 73 64 57 74 57 75 74 68 68 71 73 73 73 64 57 73 73 73 64 57 73 73 73 73 73 64 57 73 73 73 73 73 73 73 73 73 7
Limit Level te and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 13:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 15:22 20/3/2020 12:22 20/3/2020 21:22 20/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 1:22 21/3/200 1:20 200 1:20 200 1:20 200 1:20 20	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 65 78 79 65 78 75 88 64 69 69 76 69 76 69 76 69 76 61 81 73 53 61 58 47	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 11:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 13:11 26/3/2020 13:11 26/3/2020 21:11 26/3/2020 21:11 26/3/2020 21:11 27/3/2020 11 27/3/2020 11 27/3/202	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 85 67 72 68 88 68 68 68 71 73 73 73 73 73 73 73 73 73 75 56
Limit Level Limit Level Le and Time 20/3/2020 8:22 20/3/2020 9:22 20/3/2020 10:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 11:22 20/3/2020 13:22 20/3/2020 13:22 20/3/2020 15:22 20/3/2020 12:22 20/3/2020 21:22 20/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 21:22 21/3/2020 3:20 22 22/3/2020 3:22 22/3/	260 TSP Concentration (µg/m*) 67 75 52 65 73 75 79 65 78 75 88 64 69 69 69 69 69 69 76 72 61 81 73 63 53 63 53 61 58	Limit Level Date and Time 26/3/2020 9:11 26/3/2020 10:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 12:11 26/3/2020 13:11 26/3/2020 14:11 26/3/2020 15:11 26/3/2020 15:11 26/3/2020 19:11 26/3/2020 19:11 26/3/2020 19:11 26/3/2020 20:11 26/3/2020 20:11 27/3/2020 20:11 27/3/2020 20:11 27/3/2020 21:11 27/3/2020 3:11 27/3/2020 3:11 27/3/2020 4:11 27/3/2020	260 TSP Concentration (µg/m*) 61 76 58 74 64 80 72 64 75 74 64 85 67 72 68 67 72 68 67 72 68 67 72 68 67 73 73 73 64 50 64 50 64 57 74 64 56 57 74 64 57 74 64 57 74 64 57 74 64 57 75 74 64 57 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 75 74 64 57 72 68 67 72 68 67 72 68 67 72 68 67 72 68 68 71 73 73 73 64 50 73 73 64 57 74 68 68 71 73 73 73 64 57 73 73 73 64 57 73 73 73 64 57 74 57 75 74 68 68 71 73 73 73 64 57 73 73 73 64 57 73 73 73 73 73 64 57 73 73 73 73 73 73 73 73 73 7

Date and Time	TSP Concentration (µg/m ³)
16/3/2020 8:45	69
16/3/2020 9:45	76
16/3/2020 10:45	57
16/3/2020 11:45	68
16/3/2020 12:45	74
16/3/2020 13:45	75
16/3/2020 14:45	80
16/3/2020 15:45	67
16/3/2020 16:45	80
16/3/2020 17:45	82
16/3/2020 18:45	82
16/3/2020 19:45	73
16/3/2020 20:45	76
16/3/2020 21:45	62
16/3/2020 22:45	74
16/3/2020 23:45	66
17/3/2020 0:45	67
17/3/2020 1:45	76
17/3/2020 2:45	74
17/3/2020 3:45	60
17/3/2020 4:45	54
17/3/2020 5:45	68
17/3/2020 6:45	57
17/3/2020 7:45	47
Average	69
Action Level	156
Limit Level	260

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

Remark

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.

7A - Sheung Wo te and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)
4/3/2020 8:48	75	10/3/2020 9:14	61
4/3/2020 9:48	88	10/3/2020 10:14	76
4/3/2020 10:48	83	10/3/2020 11:14	68
4/3/2020 11:48	78	10/3/2020 12:14	62
4/3/2020 12:48	73	10/3/2020 13:14	56
4/3/2020 13:48	74	10/3/2020 14:14	62
4/3/2020 14:48	74	10/3/2020 15:14	64
4/3/2020 15:48	87	10/3/2020 16:14	71
4/3/2020 16:48	86	10/3/2020 17:14	76
4/3/2020 17:48	76	10/3/2020 18:14	59
4/3/2020 18:48	76	10/3/2020 19:14	59
4/3/2020 19:48	76	10/3/2020 20:14	69
4/3/2020 20:48	72	10/3/2020 21:14	60
4/3/2020 21:48	71	10/3/2020 22:14	56
4/3/2020 22:48	62	10/3/2020 23:14	56
4/3/2020 23:48	81	11/3/2020 0:14	70
5/3/2020 0:48	81	11/3/2020 1:14	76
5/3/2020 1:48	76	11/3/2020 2:14	68
5/3/2020 2:48	72	11/3/2020 3:14	63
5/3/2020 3:48	75	11/3/2020 4:14	67
5/3/2020 4:48	81	11/3/2020 5:14	64
5/3/2020 5:48	82	11/3/2020 6:14	62
5/3/2020 6:48	71	11/3/2020 7:14	55
5/3/2020 7:48	79	11/3/2020 8:14	62
Average	77	Average	64
A X 1	1/5	A stinue T secol	165
Action Level	165	Action Level	105
Limit Level	260	Limit Level	260
Limit Level	260	Limit Level	260
Limit Level	260 TSP Concentration (µg/m³)	Limit Level Date and Time	260 TSP Concentration (μg/m³)
Limit Level te and Time 20/3/2020 8:37	260 TSP Concentration (µg/m³) 93	Limit Level Date and Time 26/3/2020 9:30	260 TSP Concentration (µg/m³) 78
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37	260 TSP Concentration (µg/m³) 93 97	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 10:30	260 TSP Concentration (μg/m³) 78 89
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37	260 TSP Concentration (µg/m³) 93 97 91	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 10:30 26/3/2020 11:30	260 TSP Concentration (µg/m³) 78 89 77
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37	260 TSP Concentration (µg/m³) 93 97 91 92	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 12:30	260 TSP Concentration (µg/m³) 78 89 77 74
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 12:37	260 TSP Concentration (µg/m³) 93 97 91 92 77	Limit Level Date and Time 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30	260 TSP Concentration (µg/m³) 78 89 77 74 63
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 12:37 0/3/2020 13:37	260 TSP Concentration (µg/m³) 93 97 91 92 77 88	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30 26/3/2020 14:30	260 TSP Concentration (μg/m ⁸) 78 89 77 74 63 80
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 12:37 0/3/2020 13:37 0/3/2020 14:37	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 88 82	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 14:30 26/3/2020 15:30	260 TSP Concentration (µg/m³) 78 89 77 74 63 80 72
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 14:37 0/3/2020 14:37 0/3/2020 15:37	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94	Limit Level Date and Time 26/3/2020 19:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30	260 TSP Concentration (µg/m³) 78 89 77 74 63 80 72 86
Limit Level e and Time 20/3/2020 8:37 20/3/2020 8:37 /3/2020 10:37 /3/2020 10:37 /3/2020 12:37 /3/2020 13:37 /3/2020 13:37 /3/2020 15:37 /3/2020 16:37	260 TSP Concentration (µg/m*) 93 97 91 92 77 88 82 94 103	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30 26/3/2020 14:30 26/3/2020 15:30 26/3/2020 15:30	260 TSP Concentration (μg/m³) 78 89 77 74 63 80 72 86 88
Limit Level te and Time 00/3/2020 8:37 20/3/2020 9:37 20/3/2020 10:37 3/3/2020 11:37 3/3/2020 12:37 3/3/2020 13:37 3/3/2020 15:37 3/3/2020 15:37 3/3/2020 15:37 3/3/2020 15:37 3/3/2020 17:37 3/3/2020 17:37	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 17:30 26/3/2020 18:30	260 TSP Concentration (μg/m³) 78 89 77 74 63 80 72 86 88 66
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 3/3/2020 10:37 0/3/2020 11:37 0/3/2020 12:37 3/3/2020 13:37 0/3/2020 15:37 0/3/2020 15:37 0/3/2020 15:37 0/3/2020 15:37 0/3/2020 15:37 0/3/2020 15:37	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 18:30 26/3/2020 18:30	260 TSP Concentration (µg/m³) 78 89 77 74 63 80 72 86 88 66 73
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 14:37 0/3/2020 15:37 0/3/2020 15:37 0/3/2020 16:37 0/3/2020 17:37 0/3/2020 19:37 0/3/2020 0/2020 19:37 0/3/2020 19:37 0/3/2020 19:37 0/3/2020 19:37 0/3/2020 19:37 0/3/2020 0/3/2020 0/3/2020 0/3/2020 0/3/2020 0/3/2020 0/3/2020 0/3/2020 0/3/2020 0/3/202 0/3/2020 0/3/2020 0/3/2020 0/3/2020 0/3/202 0/3/2020 0/3/20 0/3/2020 0/3/202 0/3/202 0/3/202 0/3/202 0/3/202 0/3/202 0/3/202 0/3/202 0/3/202 0/3/202 0/3/202 0/3/20 0/3/202 0/3/20 0/3/202 0/3/20 0/3/202 0/3/20 0/3/20 0/3/202 0/3/20 0/3/202 0/3/20 0/3/202 0/3/20 0/3/202 0/3/20 0/3/202 0/3/20 0/3/202 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20	260 TSP Concentration (µg/m*) 93 97 91 92 77 88 82 94 103 80 88 96	Limit Level Date and Time 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 19:30 26/3/2020 19:30 26/3/2020 26/3/2020 19:30 26/3/2020 19:30 26/3/2020 27/20 27/20 27/20 27/20 27/20 27/20	260 TSP Concentration (µg/m³) 78 89 77 74 63 80 72 86 88 66 73 77
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 20:37 0/3/2020 20:37 0/3/2020 13 0/3/2020 13:37	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88 96 89	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 18:30 26/3/2020 19:30 26/3/2020 19:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 26/3/2020 27/20 2	260 TSP Concentration (μg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 12:37 0/3/2020 12:37 0/3/2020 15:37 0/3/2020 15:37 0/3/2020 15:37 0/3/2020 15:37 0/3/2020 18:37 0/3/2020 19:37 0/3/2020 10 0/3/2020 10 0/3/20 0/3/20 0/3/2020 10 0/3/20 0/3/2020 10 0/3/20 0/3/20 0/3/	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88 96 89 84	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 17:30 26/3/2020 19:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 2/3/2	260 TSP Concentration (μg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 15:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 22:37 0/3/2020 15:37 0/3/20 0/3/	260 75P Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88 96 89 84 82	Limit Level Date and Time 26/3/2020 19:30 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 17:30 26/3/2020 18:30 26/3/2020 20:30 26/3/2020 20:30 26/3/2020 21:30 26/3/2020 22:30 26/3/2020 23:30 26/3/2020 23:30 26/3/2020 26/3/2020 27/0	260 TSP Concentration (µg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 65
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 14:37 0/3/2020 14:37 0/3/2020 15:37 0/3/2020 16:37 0/3/2020 18:37 0/3/2020 18:37 0/3/2020 19:37 0/3/2020 19:37 0/3/2020 20:37 0/3/2020 0/3 0/3 0/3/2020 20:37 0/3/2020 0/3/2020 0/3/20 0/3/2020 0/3/20 0/3/20 0/3/20 0/3/2020 0/3/20 0/3/20 0/3/20 0/3/20 0/3/20	260 TSP Concentration (µg/m*) 93 97 91 92 77 88 82 94 103 80 88 94 103 80 88 96 89 84 82 91	Limit Level Date and Time 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 23:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 27/3/2	260 TSP Concentration (µg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 69 73 65 81
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 22:37 21/3/2020 0:37	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88 96 89 84 82 91 99	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 14:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 21:30 26/3/2020 22:30 26/3/2020 23:30 27/3/2020 13:0 27/3/2020 130 27/3/2020 130 27/3	260 TSP Concentration (μg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 65 81 87
Limit Level Limit Level Limit Level Limit Level Lte and Time 20/3/2020 8:37 20/3/2020 9:37 3/3/2020 10:37 3/3/2020 11:37 3/3/2020 12:37 3/3/2020 13:37 3/3/2020 15:37 3/3/2020 15:37 3/3/2020 15:37 3/3/2020 19:37 3/3/2020 19:37 3/3/2020 21:37 3/3/2020 3/3/2	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88 96 89 84 82 91 99 91	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 16:30 26/3/2020 17:30 26/3/2020 17:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 11:30 27/3/2020 11:30 27/3/2020 27/3/2020 21:30 27/3/2020 21:30 27/3/2020 27/3/20	260 TSP Concentration (μg/m [*]) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 65 81 87 81
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 14:37 0/3/2020 15:37 0/3/2020 16:37 0/3/2020 16:37 0/3/2020 17:37 0/3/2020 17:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 21:37 1/3/2020 23:37 21/3/2020 0:37 21/3/2020 1:37 21/3/203 21/3/2020 1:37 21 21 21 21 21 21 21 21 21 21 21 21 21	260 TSP Concentration (µg/m*) 93 97 91 92 77 88 82 94 103 80 88 96 89 84 82 91 99 91 99 91 94	Limit Level Date and Time 26/3/2020 19:30 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 18:30 26/3/2020 20:30 26/3/2020 20:30 26/3/2020 22:30 26/3/2020 22:30 27/3/2020 0:30 27/3/2020 0:30 27/3/2020 1:30 27/3/2020 1:30 27/3/2020	260 TSP Concentration (µg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 77 69 73 65 81 87 81 79
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 20/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 18:37 0/3/2020 18:37 0/3/2020 20:37 2/3/2020 21:37 0/3/2020 21:37 1/3/2020 21:37 21/3/2020 21 21/3/2020 21 21/3/2020 21 21 21 21 21 21 21 21 21 21 21 21 21	260 TSP Concentration (µg/m*) 93 97 91 92 77 88 82 94 103 80 88 94 103 80 88 96 89 84 82 91 99 91 99 91 94 93	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 13:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 22:30 26/3/2020 23:30 27/3/2020 0:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 4:30 27/3/2020 4:30 27/3/2020 27/3/2020 27/3/2020 27/3/2020	260 TSP Concentration (μg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 65 81 87 81 87 81 79 75
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 20/3/2020 10:37 20/3/2020 10:37 20/3/2020 11:37 20/3/2020 13:37 20/3/2020 13:37 20/3/2020 15:37 20/3/2020 15:37 20/3/2020 15:37 20/3/2020 13:37 20/3/2020 20:37 20/3/2020 20:37 21/3/2020 20:37 21/3/2020 1:37	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88 96 89 84 82 91 99 91 94 93 99	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 16:30 26/3/2020 16:30 26/3/2020 19:30 26/3/2020 20:30 26/3/2020 20:30 26/3/2020 20:30 27/3/2020 0:30 27/3/2020 1:30 27/3/2020 3:30 27/3/2020 3:30	260 TSP Concentration (μg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 65 81 87 81 79 75 81
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 15:37 0/3/200 0/3/200 0/3/200 0/3/200 0/3/200 0	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88 96 89 88 96 89 84 82 91 99 91 94 93	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 17:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 27/3/2020 21:30 27/3/2020 1:30 27/3/200 1:30 27/3/200 1:30 27/3/200 1:3	260 TSP Concentration (µg/m*) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 65 81 87 73 65 81 87 81 79 75 81 77
Limit Level te and Time U0/3/2020 8:37 U0/3/2020 9:37 V3/2020 10:37 V3/2020 11:37 V3/2020 11:37 V3/2020 13:37 V3/2020 13:37 V3/2020 13:37 V3/2020 15:37 V3/2020 15:37 V3/2020 15:37 V3/2020 10:37 V3/2020 20:37 U3/2020 20:37 U3/	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88 96 89 84 82 91 99 91 99 91 99 91 99 91 93 93 76	Limit Level Date and Time 26/3/2020 19:30 26/3/2020 19:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 19:30 26/3/2020 19:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 2/3/2020 1:30 26/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 5	260 TSP Concentration (µg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 69 73 65 81 87 81 79 75 81 77 63
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 13:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 21:37 0/3/2020 21:37 1/3/2020 21:37 21/3/2020 1:37 21/3/200 21/20 21/20 21/3/20 21/20 21/3/20 21/20 21/3/20	260 TSP Concentration (µg/m*) 93 97 91 92 77 88 82 94 103 80 88 96 89 84 82 94 103 80 88 96 89 84 82 91 99 91 91 99 91 93 99 93 76 88	Limit Level Date and Time 26/3/2020 9:30 26/3/2020 10:30 26/3/2020 11:30 26/3/2020 12:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 23:30 27/3/2020 1:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 4:30 27/3/2020 5:30 27/3/2020 7:30 27/3/2020 7:	260 TSP Concentration (μg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 65 81 87 81 79 75 81 77 63 74 63 74
Limit Level te and Time 20/3/2020 8:37 20/3/2020 9:37 0/3/2020 10:37 0/3/2020 11:37 0/3/2020 11:37 0/3/2020 13:37 0/3/2020 14:37 0/3/2020 15:37 0/3/2020 15:37 0/3/2020 17:37 0/3/2020 17:37 0/3/2020 20:37 0/3/2020 20:37 0/3/2020 20:37 21/3/2020 0:37 21/3/200 21/20 21/20 21/20 21/3/20 21/20 21/3/20 21/20 21/20 21/20 21/2	260 TSP Concentration (µg/m³) 93 97 91 92 77 88 82 94 103 80 88 96 89 84 82 91 99 91 99 91 99 91 99 91 93 93 76	Limit Level Date and Time 26/3/2020 19:30 26/3/2020 19:30 26/3/2020 11:30 26/3/2020 11:30 26/3/2020 13:30 26/3/2020 13:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 15:30 26/3/2020 17:30 26/3/2020 19:30 26/3/2020 19:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 26/3/2020 21:30 2/3/2020 1:30 26/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 3:30 27/3/2020 5	260 TSP Concentration (µg/m³) 78 89 77 74 63 80 72 86 88 66 73 77 69 73 69 73 65 81 87 81 79 75 81 77 63

Date and Time	TSP Concentration (µg/m ³)
16/3/2020 9:01	89
16/3/2020 10:01	106
16/3/2020 11:01	91
16/3/2020 12:01	81
16/3/2020 13:01	70
16/3/2020 14:01	86
16/3/2020 15:01	88
16/3/2020 16:01	103
16/3/2020 17:01	97
16/3/2020 18:01	80
16/3/2020 19:01	86
16/3/2020 20:01	87
16/3/2020 21:01	76
16/3/2020 22:01	80
16/3/2020 23:01	76
17/3/2020 0:01	91
17/3/2020 1:01	105
17/3/2020 2:01	94
17/3/2020 3:01	95
17/3/2020 4:01	93
17/3/2020 5:01	97
17/3/2020 6:01	85
17/3/2020 7:01	74
17/3/2020 8:01	83
Average	88
Action Level	165
Limit Level	260

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

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.

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

S 11A - Sheung We ate and Time	TSP Concentration (µg/m ³)	1	Date and Time	TSP Concentration (µg/m
4/3/2020 9:00	85		10/3/2020 9:27	91
4/3/2020 10:00	100		10/3/2020 10:27	96
4/3/2020 10:00	89		10/3/2020 11:27	94
4/3/2020 12:00	95		10/3/2020 12:27	94
4/3/2020 12:00	75		10/3/2020 12:27	83
4/3/2020 13:00	93		10/3/2020 13:27	89
4/3/2020 14:00	93		10/3/2020 14:27	91
4/3/2020 15:00	95		10/3/2020 15:27	91 98
4/3/2020 10:00	98		10/3/2020 10:27	101
4/3/2020 17:00	98		10/3/2020 17:27	97
4/3/2020 18:00	92		10/3/2020 18:27	100
	92 104			104
4/3/2020 20:00			10/3/2020 20:27	
4/3/2020 21:00	107		10/3/2020 21:27	98
4/3/2020 22:00	82		10/3/2020 22:27	89
4/3/2020 23:00	84		10/3/2020 23:27	87
5/3/2020 0:00	101		11/3/2020 0:27	103
5/3/2020 1:00	106		11/3/2020 1:27	100
5/3/2020 2:00	94		11/3/2020 2:27	99
5/3/2020 3:00	89		11/3/2020 3:27	98
5/3/2020 4:00	99		11/3/2020 4:27	93
5/3/2020 5:00	86		11/3/2020 5:27	89
5/3/2020 6:00	99		11/3/2020 6:27	103
5/3/2020 7:00	90		11/3/2020 7:27	92
5/3/2020 8:00	97		11/3/2020 8:27	89
Average	94		Average	95
Action Level	165		Action Level	165
Limit Level	260]	Limit Level	260
Limit Level]		
Limit Level	260]	Limit Level	260
Limit Level ate and Time	260 TSP Concentration (µg/m³)]	Limit Level Date and Time	260 TSP Concentration (µg/r
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50	260 TSP Concentration (µg/m³) 91]	Limit Level Date and Time 26/3/2020 9:40	260 TSP Concentration (µg/n 72
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50	260 TSP Concentration (µg/m³) 91 95]	Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40	260 TSP Concentration (µg/n 72 84
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50	260 TSP Concentration (µg/m ⁸) 91 95 103]	Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40	260 TSP Concentration (µg/n 72 84 76
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50	260 TSP Concentration (μg/m³) 91 95 103 95]	Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 12:40	260 TSP Concentration (µg/n 72 84 76 77
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50	260 TSP Concentration (µg/m³) 91 95 103 95 99]	Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 12:40 26/3/2020 13:40	260 TSP Concentration (μg/n 72 84 76 77 97
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 14:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92]	Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 12:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 13:40	260 TSP Concentration (µg/n 72 84 76 77 97 80
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 14:50 20/3/2020 15:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 12:40 26/3/2020 13:40 26/3/2020 14:40 26/3/2020 15:40	260 TSP Concentration (µg/n 72 84 76 77 97 80 75
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 14:50 20/3/2020 15:50 20/3/2020 16:50 20/3/2020 16:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83]	Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 15:40 26/3/2020 15:40	260 TSP Concentration (µg/n 72 84 76 77 97 80 75 79
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 15:40 26/3/2020 16:40 26/3/2020 16:40	260 TSP Concentration (µg/n 72 84 76 77 97 80 75 79 82
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 15:50 20/3/2020 17:50 20/3/2020 17:50 20/3/2020 18:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 15:40 26/3/2020 16:40 26/3/2020 17:40 26/3/2020 17:40	260 TSP Concentration (µg/ 72 84 76 77 97 80 75 79 82 89
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 12:50 20/3/2020 15:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 18:50 20/3/2020 18:50 20/3/2020 18:50 20/3/2020 19:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 11:40 26/3/2020 11:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 15:40 26/3/2020 16:40 26/3/2020 17:40 26/3/2020 18:40 26/3/2020 18:40	260 TSP Concentration (µg/n 72 84 76 77 97 80 75 79 82 89 84
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 19:50 20/3/200 100 20/3/200	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 15:40 26/3/2020 16:40 26/3/2020 10:40 26/3/2020 10:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 10:40 26/3/200 26/3/200 26/3/200 26/3/200 2	260 TSP Concentration (μg/r 72 84 76 77 97 80 75 79 82 89 82 89 84 96 90
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 19:50 20/3/2020 20:50 20/3/2020 21:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 74		Limit Level Date and Time 26(3/2020 9:40) 26(3/2020 10:40) 26(3/2020 11:40) 26(3/2020 12:40) 26(3/2020 13:40) 26(3/2020 13:40) 26(3/2020 16:40) 26(3/2020 17:40) 26(3/2020 17:40) 26(3/2020 17:40) 26(3/2020 19:40) 26(3/2020 20:40) 26(3/2020 21:40) 26(3/2020 200 20:40) 26(3/200 200 200 200 200 200 200 200 200 200	260 TSP Concentration (µg/r 72 84 76 77 97 80 75 79 82 89 84 96 90 72
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 17:50 20/3/2020 17:50 20/3/2020 17:50 20/3/2020 12:50 20/3/2020 21:50 20/3/2020 21:50 20/3/2020 21:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 86 86 74 75		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 12:40 26/3/2020 13:40 26/3/2020 15:40 26/3/2020 16:40 26/3/2020 16:40 26/3/2020 18:40 26/3/2020 19:40 26/3/2020 20:40 26/3/2020 21:40 26/3/2020 22:40	260 TSP Concentration (µg/r 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76
Limit Level tate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 12:50 20/3/2020 15:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 19:50 20/3/2020 19:50 20/3/2020 19:50 20/3/2020 20:50 20/3/200 20/3/2	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 86 74 75 81		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 10:40 26/3/2020 12:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 14:40 26/3/2020 15:40 26/3/2020 18:40 26/3/2020 18:40 26/3/2020 19:40 26/3/2020 20:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 23:40 27/3/2020 33:40 27/3/2020 0:40 27/3/2020 0:40 2	260 TSP Concentration (μg/n 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76 89
Limit Level tate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 19:50 20/3/2020 19:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 22:50 20/3/2020 22:50 20/3/2020 23:50 21/3/2020 0:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 74 75 81 101		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 11:40 26/3/2020 13:40 26/3/2020 15:40 26/3/2020 16:40 26/3/2020 16:40 26/3/2020 16:40 26/3/2020 16:40 26/3/2020 19:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 20:40 26/3/2020 20:40 27/3/2020 0:40 27/3/2020 1:40	260 TSP Concentration (µg/n 72 84 76 77 97 80 75 79 82 89 82 89 84 96 90 72 76 89 88
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 19:50 20/3/2020 20:50 20/3/2020 21:50 20/3/2020 22:50 20/3/2020 23:50 21/3/2020 0:50 21/3/2020 0:50 21/3/2020 1:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 74 75 81 101 88		Limit Level Date and Time 26(3/2020 9:40) 26(3/2020 10:40) 26(3/2020 11:40) 26(3/2020 13:40) 26(3/2020 13:40) 26(3/2020 13:40) 26(3/2020 15:40) 26(3/2020 17:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 27(3/2020 29:40) 27(3/2020 29:40	260 TSP Concentration (µg/ 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76 89 88 88 88 86
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 17:50 20/3/2020 12:50 20/3/2020 21:50 20/3/2020 21:50 20/3/2020 21:50 21/3/2020 12:50 21/3/2020 12:50 21/3/2020 12:50	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 74 75 81 101 88 86		Limit Level Date and Time 26(3/2020 9:40) 26(3/2020 10:40) 26(3/2020 11:40) 26(3/2020 13:40) 26(3/2020 13:40) 26(3/2020 15:40) 26(3/2020 15:40) 26(3/2020 17:40) 26(3/2020 17:40) 26(3/2020 19:40) 26(3/2020 20:40) 26(3/2020 21:40) 26(3/2020 21:40) 26(3/2020 21:40) 26(3/2020 21:40) 26(3/2020 21:40) 26(3/2020 21:40) 26(3/2020 21:40) 26(3/2020 21:40) 26(3/2020 21:40) 26(3/2020 21:40) 26(3/2020 21:40) 27(3/2020 1:40)	260 TSP Concentration (µg/n 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76 89 88 88 88 88
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 15:50 20/3/2020 16:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 21/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2000 20:50 20/3/200 20:50 20/3/200 20/3/2000 20:50 20/3/200 20/3/	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 74 75 81 101 88 86 86 81		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 10:40 26/3/2020 12:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 14:40 26/3/2020 16:40 26/3/2020 18:40 26/3/2020 18:40 26/3/2020 19:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 23:40 27/3/2020 1:	260 TSP Concentration (µg/n 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76 89 84 89 84 89 84 89 84 89 84 89 88 88 88 88 88 88 82
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 19:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 21/3/2020 10:50 21/3/2020 10:50 21/3/2020 10:50 21/3/2020 10:50 21/3/2020 10:50 21/3/2020 10:50 21/3/2020 3:50 21/3/200 30 20/2000 20/200 20/200 20/200 20/200 2	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 74 75 81 101 88 86 84 81 98		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 11:40 26/3/2020 13:40 26/3/2020 15:40 26/3/2020 16:40 26/3/2020 16:40 26/3/2020 16:40 26/3/2020 18:40 26/3/2020 12:40 26/3/2020 20:40 26/3/2020 20:40 27/3/2020 2:40 27/3/2020 1:4	260 TSP Concentration (µg/n 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76 89 88 88 88 86 88 82 79
Limit Level tate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 15:50 20/3/2020 15:50 20/3/2020 15:50 20/3/2020 15:50 20/3/2020 21:50 20/3/2020 21:50 20/3/2020 21:50 20/3/2020 21:50 21/3/2020 0:50 21/3/2000 2000 2000 2000 2000 2000 2000 20	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 74 75 81 101 88 86 81 101 88 86 81 98 92		Limit Level Date and Time 26(3/2020 9:40) 26(3/2020 10:40) 26(3/2020 11:40) 26(3/2020 11:40) 26(3/2020 13:40) 26(3/2020 15:40) 26(3/2020 15:40) 26(3/2020 15:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 26(3/2020 19:40) 27(3/2020 19:40) 27(3/2020 19:40) 27(3/2020 3:40)	260 TSP Concentration (µg/ 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76 89 88 88 88 88 88 82 79 85
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 15:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 19:50 20/3/2020 19:50 20/3/2020 21:50 20/3/2020 21:50 20/3/2020 22:50 21/3/2020 23:50 21/3/2020 1:50 21/3/2020 1:50 21/3/2020 1:50 21/3/2020 1:50 21/3/2020 1:50 21/3/2020 5	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 74 75 81 101 88 86 81 98 92 83		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 10:40 26/3/2020 12:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 14:40 26/3/2020 15:40 26/3/2020 15:40 26/3/2020 19:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 21:40 27/3/2020 1:40 27/3/2020 1:40 27/3/2020 1:40 27/3/2020 1:40 27/3/2020 1:40 27/3/2020 5:	260 TSP Concentration (μg/n 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76 89 88 86 88 86 88 82 79 82 89 84 96 90 72 76 89 84 84 84 84 85 81
Limit Level tate and Time 20/3/2020 8:50 20/3/2020 10:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 11:50 20/3/2020 11:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 13:50 20/3/2020 20:50 20/3/2020 20:50 20/3/2020 20:50 21/3/2020 20:50 21/3/2020 20:50 21/3/2020 20:50 21/3/2020 20:50 21/3/2020 20:50 21/3/2020 20:50 21/3/2020 20:50 21/3/2020 20:50 21/3/2020 20:50 21/3/2020 5:50 21/3/2000 5:50 21/3/2000 5:50 21/3/2000 5:50 21/3/2000 5:50 21/3/2000 5:50 21/3/2000 5:50 21/3/2000 5:50 21/	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 86 74 75 81 101 88 86 81 98 92 83 97		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 12:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 15:40 26/3/2020 16:40 26/3/2020 16:40 26/3/2020 19:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 23:40 27/3/2020 1:40 27/3/2020 1:40 27/3/2020 3:40 27/3/2020 3:40 27/3/2020 3:40 27/3/2020 3:40 27/3/2020 3:40 27/3/2020 5:4	260 TSP Concentration (μg/r 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76 89 84 88 88 88 88 88 88 88 88 88
Limit Level ate and Time 20/3/2020 8:50 20/3/2020 9:50 20/3/2020 10:50 20/3/2020 11:50 20/3/2020 12:50 20/3/2020 13:50 20/3/2020 15:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 16:50 20/3/2020 19:50 20/3/2020 19:50 20/3/2020 21:50 20/3/2020 21:50 20/3/2020 22:50 21/3/2020 23:50 21/3/2020 1:50 21/3/2020 1:50 21/3/2020 1:50 21/3/2020 1:50 21/3/2020 1:50 21/3/2020 5	260 TSP Concentration (µg/m³) 91 95 103 95 99 92 84 83 101 91 92 86 86 74 75 81 101 88 86 81 98 92 83		Limit Level Date and Time 26/3/2020 9:40 26/3/2020 10:40 26/3/2020 11:40 26/3/2020 12:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 14:40 26/3/2020 15:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 13:40 26/3/2020 21:40 26/3/2020 21:40 26/3/2020 21:40 27/3/2020 1:40 27/3/2020 1:40 27/3/2020 1:40 27/3/2020 1:40 27/3/2020 3:40 27/3/2020 3:40 27/3/2020 3:40 27/3/2020 3:40 27/3/2020 3:40 27/3/2020 5:	260 TSP Concentration (μg/n 72 84 76 77 97 80 75 79 82 89 84 96 90 72 76 89 88 86 88 86 88 82 79 82 89 84 96 90 72 76 89 84 84 84 84 85 81

Date and Time	TSP Concentration (µg/m ³)
16/3/2020 9:11	66
16/3/2020 10:11	79
16/3/2020 11:11	94
16/3/2020 12:11	84
16/3/2020 13:11	76
16/3/2020 14:11	78
16/3/2020 15:11	80
16/3/2020 16:11	71
16/3/2020 17:11	67
16/3/2020 18:11	74
16/3/2020 19:11	67
16/3/2020 20:11	70
16/3/2020 21:11	63
16/3/2020 22:11	67
16/3/2020 23:11	73
17/3/2020 0:11	68
17/3/2020 1:11	71
17/3/2020 2:11	79
17/3/2020 3:11	75
17/3/2020 4:11	75
17/3/2020 5:11	71
17/3/2020 6:11	77
17/3/2020 7:11	71
17/3/2020 8:11	65
Average	73
Action Level	165
Limit Level	260

Remark

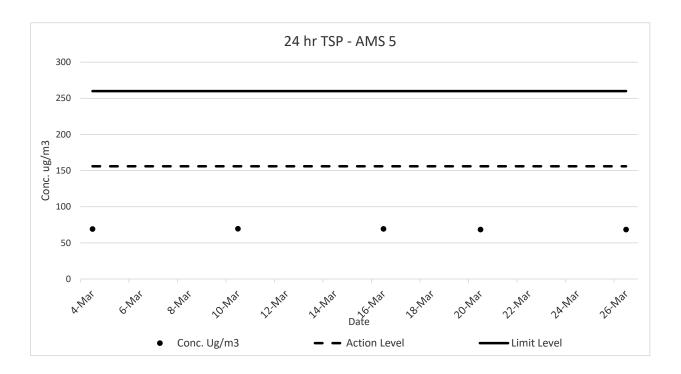
200
 Limit Level 200
 Longe due to any safety concern or adverse weather condition.
 Actual monitoring May be subjected to change due to any safety concern or adverse weather condition.
 The Impact Air Monitoring Stations to be monitored should be selected based on the prevailing wind direction and their proximity to the active construction works.

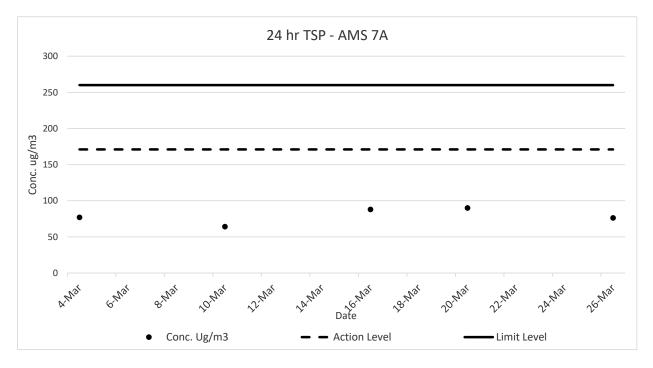
IS 15 - Ha Wo Che Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³
4/3/2020 9:19	73	10/3/2020 9:48	58	16/3/2020 9:31	75
4/3/2020 10:19	77	10/3/2020 10:48	60	16/3/2020 10:31	79
4/3/2020 11:19	78	10/3/2020 11:48	58	16/3/2020 11:31	63
4/3/2020 12:19	65	10/3/2020 12:48	67	16/3/2020 12:31	63
4/3/2020 13:19	68	10/3/2020 13:48	67	16/3/2020 13:31	78
4/3/2020 14:19	74	10/3/2020 14:48	48	16/3/2020 14:31	59
4/3/2020 15:19	66	10/3/2020 15:48	62	16/3/2020 15:31	80
4/3/2020 16:19	68	10/3/2020 16:48	67	16/3/2020 16:31	74
4/3/2020 17:19	69	10/3/2020 17:48	66	16/3/2020 17:31	71
4/3/2020 18:19	56	10/3/2020 18:48	61	16/3/2020 18:31	74
4/3/2020 19:19	57	10/3/2020 19:48	52	16/3/2020 19:31	70
4/3/2020 20:19	54	10/3/2020 20:48	43	16/3/2020 20:31	64
4/3/2020 21:19	66	10/3/2020 21:48	76	16/3/2020 21:31	86
4/3/2020 22:19	61	10/3/2020 22:48	61	16/3/2020 22:31	76
4/3/2020 23:19	56	10/3/2020 23:48	50	16/3/2020 23:31	75
5/3/2020 0:19	49	11/3/2020 0:48	50	17/3/2020 0:31	66
5/3/2020 1:19	59	11/3/2020 1:48	61	17/3/2020 1:31	79
5/3/2020 2:19	53	11/3/2020 2:48	53	17/3/2020 2:31	61
5/3/2020 3:19	66	11/3/2020 3:48	62	17/3/2020 3:31	76
5/3/2020 4:19	44	11/3/2020 4:48	44	17/3/2020 4:31	59
5/3/2020 5:19	49	11/3/2020 5:48	51	17/3/2020 5:31	68
5/3/2020 5:19	49	11/3/2020 5:48	51	17/3/2020 5:31	68
5/3/2020 7:19	45	11/3/2020 0:48	59	17/3/2020 0.31	75
5/3/2020 8:19	69	11/3/2020 7.48	48	17/3/2020 8:31	57
Average	62	Average	48 82	Average	71
Action Level	172	Action Level	172	Action Level	172
ACTION LEVEL	172	ACTOR FOR	172		172
Limit Level	260	Limit Level	260		260
Limit Level	260	Limit Level	260	Limit Level	260
Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)		260
Date and Time 20/3/2020 9:07	TSP Concentration (μg/m³) 67	Date and Time 26/3/2020 9:58	TSP Concentration (µg/m³) 72		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07	TSP Concentration (µg/m³) 67 75	Date and Time 26/3/2020 9:58 26/3/2020 10:58	TSP Concentration (µg/m³) 72 82		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07	TSP Concentration (μg/m³) 67 75 85	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58	TSP Concentration (μg/m³) 72 82 63		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07	TSP Concentration (μg/m³) 67 75 85 73	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 12:58	TSP Concentration (µg/m³) 72 82 63 73		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07	TSP Concentration (μg/m³) 67 75 85 73 77	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 13:58	TSP Concentration (μg/m³) 72 82 63 73 78		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 14:07	TSP Concentration (μg/m³) 67 75 85 73 77 50	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 13:58 26/3/2020 13:58	TSP Concentration (μg/m [*]) 72 82 63 73 78 51		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 14:58	TSP Concentration (µg/m³) 72 82 63 73 78 51 82		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79		260
Date and Time 20/3/2020 9:007 20/3/2020 11:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 15:07 20/3/2020 16:07 20/3/2020 16:07 20/3/2020 17:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 80	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 16:58 26/3/2020 16:58 26/3/2020 16:58 26/3/2020 16:58 26/3/2020 17:58 26/3/2020 16:58 26/3/2020 17:58 26/3/2020 17:58	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 16:07 20/3/2020 16:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 80 66	Date and Time 26/3/2020 19:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 15:58 <	TSP Concentration (μg/m³) 72 82 63 73 78 51 82 79 75 65		260
Date and Time 20/3/2020 9:007 20/3/2020 11:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 15:07 20/3/2020 16:07 20/3/2020 16:07 20/3/2020 17:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 60 61	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 18:58 26/3/2020 18:58 26/3/2020 19:58 26/3/2020 19:58	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 16:07 20/3/2020 16:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 80 66 71 70	Date and Time 26/3/2020 19:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 15:58 <	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76 70		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 18:07 20/3/2020 18:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 60 61	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 18:58 26/3/2020 18:58 26/3/2020 19:58 26/3/2020 19:58	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 19:07 20/3/2020 19:07 20/3/2020 19:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 80 66 71 70	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 16:58 26/3/2020 17:58 26/3/2020 17:58 26/3/2020 17:58 26/3/2020 19:58 <t< td=""><td>TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76 70</td><td></td><td>260</td></t<>	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76 70		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 17:07 20/3/2020 19:07 20/3/2020 20:07 20/3/2020 20:07	TSP Concentration (μg/m³) 67 75 85 73 50 74 74 74 74 74 74 74 80 66 71 70 81	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 15:58 <t< td=""><td>TSP Concentration (μg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80</td><td></td><td>260</td></t<>	TSP Concentration (μg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 10:07 20/3/2020 10:07 20/3/2020 21:07 20/3/2020 21:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 70 81 70 71 62	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 20:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 18:07 20/3/2020 19:07 20/3/2020 19:07 20/3/2020 20:07 20/3/2020 22:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 74 74 80 66 71 70 71 62 75	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 18:58 26/3/2020 18:58 26/3/2020 18:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 20:58 26/3/2020 20:58 26/3/2020 20:58 26/3/2020 20:58 26/3/2020 20:58 26/3/2020 21:58 26/3/2020 23:58 26/3/2020 23:58	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 19:07 20/3/2020 19:07 20/3/2020 20:07 20/3/2020 22:07 20/3/2020 23:07 21/3/2020 0:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 70 81 70 71 62	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 16:58 26/3/2020 16:58 26/3/2020 17:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 20:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 23:58 26/3/2020 23:58 26/3/2020 23:58 26/3/2020 23:58 26/3/2020 23:58 26/3/2020 23:58 26/3/2020 23:58 26/3/2020 23:58 26/3/2020 23:58 26/3/2020 23:58 27/3/2020 0:58	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 19:07 20/3/2020 19:07 20/3/2020 21:07 20/3/2020 21:07 20/3/2020 21:07 20/3/2020 21:07 21/3/2020 0:07 21/3/2020 1:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 74 74 80 66 71 70 71 62 75	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 15:58 26/3/2020 17:58 26/3/2020 17:58 26/3/2020 17:58 26/3/2020 17:58 26/3/2020 17:58 26/3/2020 17:58 26/3/2020 13:58 26/3/2020 17:58 26/3/2020 12:58 26/3/2020 20:58 26/3/2020 21:58 26/3/2020 12:58 26/3/2020 12:58 26/3/2020 12:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 12:58 26/3/2020 12:58 26/3/2020 12:58 27/3/2020 0:58 27/3/2020 15:58 27/3/2020 15:58	TSP Concentration (μg/m*) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65 80 72 75 65 80 72 75 65 81		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 12:07 20/3/2020 12:07 20/3/2020 20:07 21/3/2020 20:07 21/3/2020 1:07 21/3/2020 1:07 21/3/2020 1:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 66 71 70 71 70 71 75 59	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 12:58 26/3/2020 13:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:8 26/3/2020 19:58 26/3/2020 20:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 23:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58 27/3/202 1:58	TSP Concentration (μg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65 76 70 80 72 75 65 80 72 75 65 81 57		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 14:07 20/3/2020 14:07 20/3/2020 14:07 20/3/2020 14:07 20/3/2020 14:07 20/3/2020 14:07 20/3/2020 19:07 20/3/2020 19:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 21/3/2020 3:07 21/3/2020 3:07 21/3/2020 3:07 21/3/2020 4:07 21/3/2020 4:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 66 71 70 81 70 71 62 75 59 68	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 16:58 26/3/2020 16:58 26/3/2020 17:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 20:58 26/3/2020 20:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 32:58 26/3/2020 32:58 27/3/2020 0:58 27/3/2020 1:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 3:58 </td <td>TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65 76 70 80 72 75 65 81 57 71 55</td> <td></td> <td>260</td>	TSP Concentration (µg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65 76 70 80 72 75 65 81 57 71 55		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 17:07 20/3/2020 19:07 20/3/2020 21:07 20/3/2020 21:07 20/3/2020 21:07 20/3/2020 21:07 21/3/2020 0:07 21/3/2020 1:07 21/3/2020 1:07 21/3/2020 2:07 21/3/2020 2:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 80 66 71 70 81 70 71 62 75 59 68 63	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 15:58 27/3/2020 15:58 27/3/2020 15:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58	TSP Concentration (µg/m*) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65 76 70 80 72 75 65 81 57 71		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 10:07 20/3/2020 10:07 20/3/2020 21:07 20/3/2020 22:07 21/3/2020 1:07 21/3/2020 1:07 21/3/2020 1:07 21/3/2020 2:07 21/3/2020 5:07 21/3/2020 5:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 66 71 70 71 70 71 62 75 59 68 63 65 69	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 11:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 20:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:	TSP Concentration (µg/m*) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65 76 70 80 72 75 65 80 72 75 65 81 57 71 55 60		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 18:07 20/3/2020 18:07 20/3/2020 19:07 20/3/2020 23:07 21/3/2020 22:07 21/3/2020 23:07 21/3/2020 2:07 21/3/2020 2:07 21/3/2020 2:07 21/3/2020 4:07 21/3/2020 4:07 21/3/2020 6:07 21/3/2020 7:07 21/3/2020 7:07 21	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 66 71 70 81 70 71 62 75 59 68 63 65 69 76	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 20:58 26/3/2020 22:58 26/3/2020 23:58 27/3/2020 25:58 27/3/2020 3:58 27/3/2020 3:58 27/3/2020 4:58 27/3/2020 4:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 <td>TSP Concentration (μg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65 81 57 71 55 60 62</td> <td></td> <td>260</td>	TSP Concentration (μg/m³) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65 81 57 71 55 60 62		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 14:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 10:07 20/3/2020 10:07 20/3/2020 21:07 20/3/2020 22:07 21/3/2020 1:07 21/3/2020 1:07 21/3/2020 1:07 21/3/2020 2:07 21/3/2020 5:07 21/3/2020 5:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 66 71 70 71 70 71 62 75 59 68 63 65 69	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 11:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 19:58 26/3/2020 19:58 26/3/2020 20:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 26/3/2020 21:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 1:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:	TSP Concentration (µg/m*) 72 82 63 73 78 51 82 79 75 65 76 70 80 72 75 65 81 57 71 55 60 62 68		260
Date and Time 20/3/2020 9:07 20/3/2020 10:07 20/3/2020 11:07 20/3/2020 12:07 20/3/2020 13:07 20/3/2020 13:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 15:07 20/3/2020 19:07 20/3/2020 20:07 20/3/2020 20:07 20/3/2020 20:07 21/3/2020 0:07 21/3/2020 4:07 21/3/2020 5:07 21/3/2020 5:07 21/3/2020 5:07 21/3/2020 7:07 21/3/2020 8:07	TSP Concentration (μg/m³) 67 75 85 73 77 50 74 74 74 80 66 71 70 71 62	Date and Time 26/3/2020 9:58 26/3/2020 10:58 26/3/2020 11:58 26/3/2020 11:58 26/3/2020 13:58 26/3/2020 14:58 26/3/2020 14:58 26/3/2020 15:58 26/3/2020 15:58 26/3/2020 17:58 26/3/2020 18:58 26/3/2020 18:58 26/3/2020 18:58 26/3/2020 12:58 26/3/2020 12:58 26/3/2020 12:58 26/3/2020 12:58 26/3/2020 12:58 27/3/2020 15:58 27/3/2020 15:58 27/3/2020 15:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58 27/3/2020 5:58<	TSP Concentration (µg/m*) 72 82 63 78 51 82 79 75 65 76 70 80 72 75 65 76 70 80 72 75 65 80 72 75 65 81 57 71 55 60 62 68 59		260

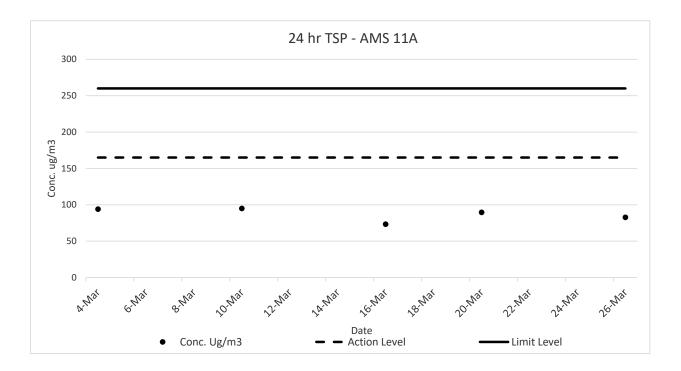
24-hour TSP Impact Monitoring Result for. NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section).

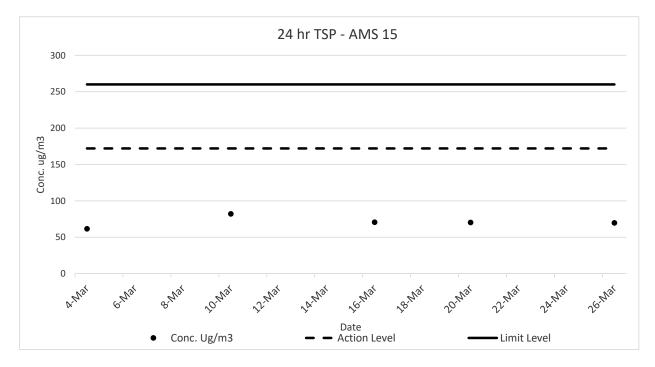
Remark

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.









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Appendix G

Noise Monitoring Data

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

NMS 1 Scenery Court

		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 Mins			ns		(m/s)	
5-Mar-20	8:21	67.4	65.0	69.5		67.4	Fine	1.3
11-Mar-20	8:26	68.5	63.8	70.1	75	68.5	Fine	1.0
17-Mar-20	8:29	68.2	62.8	69.8	15	68.2	Sunny	0.6
27-Mar-20	8:33	67.7	64.2	73.1]	67.7	Fine	0.8

NMS 2 Villa Le Parc

		Measu	ured Noise	Level	Limit Loval	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
			Unit: dB(A) 30 Mins			ns		(m/s)
5-Mar-20	10:56	56.1	51.0	58.5		56.1	Fine	0.7
11-Mar-20	10:33	60.8	53.0	66.7	75	60.8	Fine	0.9
17-Mar-20	10:50	61.2	53.9	64.3	75	61.2	Sunny	0.8
27-Mar-20	10:55	59.7	51.2	63.9		59.7	Fine	0.8

NMS 3 Hilton Plaza

			Measured Noise Level		Limit Level Construction Noise Level			Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
			Unit: dB(A) 30 Mins				(m/s)	
5-Mar-20	9:10	68.9	66.0	71.5		68.9	Fine	0.4
11-Mar-20	9:13	70.1	63.2	73.6	75	70.1	Fine	0.9
17-Mar-20	9:08	68.7	64.3	72.1	15	68.7	Sunny	0.8
27-Mar-20	9:19	69.5	65.5	73.2		69.5	Fine	0.9

NMS 4 Tin Liu

		Measu	ured Noise	e 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 Mins						(m/s)
5-Mar-20	11:30	67.0	65.5	68.8		67.0	Fine	0.8
11-Mar-20	11:38	70.5	66.1	72.9	75	70.5	Fine	1.1
17-Mar-20	11:29	71.1	64.8	73.5	15	71.1	Sunny	0.6
27-Mar-20	11:36	68.7	63.1	74.3		68.7	Fine	0.8

NMS 5A Wai Wah Centre

		Measu	ured Noise	e Level	Limit Loval	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				(m/s)				
5-Mar-20	9:44	72.6	68.5	74.5		72.6	Fine	0.6
11-Mar-20	9:44	72.6	68.5	74.5		72.6	Fine	0.6
11-Mar-20	9:33	71.2	66.3	73.8	75	71.2	Fine	0.9
17-Mar-20	9:51	70.5	65.4	73.1		70.5	Sunny	0.6
27-Mar-20	9:43	69.4	63.1	72.5		69.4	Fine	0.7

NMS 6A Wai Wah Centre

		Measu	ured Noise	e Level	Limit Loval	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
			Unit: dB(A) 30 Mins					(m/s)
5-Mar-20	10:19	71.4	68.0	73.0		71.4	Fine	0.4
11-Mar-20	10:22	72.5	66.5	76.2	75	72.5	Fine	1.1
17-Mar-20	10:16	70.8	64.2	73.4	15	70.8	Sunny	0.8
27-Mar-20	10:23	73.9	67.8	73.6		73.9	Fine	0.6

Impact Noise Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin S

NMS 7 Tin Liu

		Measu	ured Noise	Level	l imit l ovol	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Unit	ns		(m/s)	
5-Mar-20	13:04	72.2	67.5	74.5		72.2	Fine	0.5
11-Mar-20	13:02	71.1	68.4	74.4	75	71.1	Fine	1.1
17-Mar-20	12:57	70.5	67.7	74.3	13	70.5	Sunny	0.6
27-Mar-20	13:05	70.8	66.9	73.8		70.8	Fine	0.9

NMS 8 Shatin Plaza

		Measu	ured Noise	Level	Limit Loval	Construction Noise Level		Wind
Date Star	Start Time	L _{eq}	L ₉₀	L ₁₀	Linnit Level	Construction Noise Level	Weather	Speed
					(m/s)			
4-Mar-20	9:06	71.1	67.5	72.5		71.1	Fine	0.9
10-Mar-20	9:00	70.3	68.1	74.2	75	70.3	Fine	1.1
16-Mar-20	8:41	69.5	66.7	72.3	75	69.5	Sunny	0.6
26-Mar-20	9:02	69.1	64.0	74.0		69.1	Fine	0.8

NMS 9 Lek Yuen Estate

		Measu	ured Noise	Level	Limit Loval	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						(m/s)
4-Mar-20	9:43	66.1	64.0	67.5		66.1	Fine	0.5
10-Mar-20	9:44	65.9	62.8	70.2	75	65.9	Fine	1.0
16-Mar-20	9:51	68.7	62.4	69.2		68.7	Sunny	0.6
26-Mar-20	10:52	69.2	63.4	70.5		69.2	Fine	0.9

NMS 10A Shatin Tsung Tsin School

		Measu	ured Noise	e Level	Limit Loval	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linnit Level	Construction Noise Lever	Weather	Speed
					(m/s)			
4-Mar-20	10:18	64.5	61.0	65.5		64.5	Fine	0.7
10-Mar-20	10:22	65.6	60.2	69.4	70	65.6	Fine	1.1
16-Mar-20	10:06	64.8	61.3	66.5	70	64.8	Sunny	0.7
26-Mar-20	13:44	63.8	60.7	70.3		63.8	Fine	0.9

*Note: The Education Bureau (EDB) announced all schools will continue to be suspended until further notice.

NMS 11 Sheung Wo Che

		Measu	ured Noise	e Level	l imit l evel	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					(m/s)
4-Mar-20	16:04	66.2	63.5	67.5		66.2	Fine	1.2
10-Mar-20	16:00	65.4	63.0	67.5	75	65.4	Fine	1.1
16-Mar-20	16:10	66.7	62.8	70.0	75	66.7	Sunny	0.7
26-Mar-20	16:14	68.2	63.4	71.2		68.2	Fine	0.6

NMS 12 SKH Holy Spirit Primary School

		Meas	ured Noise	e Level	Limit Lovel	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linin Level	Solisi dellon Noise Level	Weather	Speed
				ns		(m/s)		
4-Mar-20	10:55	64.8	61.5	66.5		64.8	Fine	0.8
10-Mar-20	11:01	65.6	60.5	68.3	70	65.6	Fine	0.9
16-Mar-20	10:58	68.4	63.6	70.3	10	68.4	Sunny	0.9
26-Mar-20	11:03	66.9	62.4	69.0		66.9	Fine	0.8

*Note: The Education Bureau (EDB) announced all schools will continue to be suspended until further notice.

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

Impact Noise Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (S

NMS 13 Lek Yuen Estate

		Measu	ured Noise	e Level	Limit Level Construction Noise Le	Construction Noise Level		Wind
Date	Start Time	L_{eq}	L ₉₀	L ₁₀		Construction Noise Level	Weather	Speed
			•	Unit: dB(A) 30 Mins				(m/s)
4-Mar-20	11:31	68.1	66.0	70.5		68.1	Fine	1.1
10-Mar-20	11:36	67.5	62.1	70.3	75	67.5	Fine	1.0
16-Mar-20	11:40	69.1	64.5	71.1	15	69.1	Sunny	0.8
26-Mar-20	11:33	68.0	63.7	70.9		68.0	Fine	0.9

NMS 14 Sheung Wo Che

			ured Noise	e Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L_{eq}	L ₉₀	L ₁₀	Ennit Eever		Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
4-Mar-20	15:28	65.8	64.0	67.0		65.8	Fine	0.6
10-Mar-20	15:20	65.7	62.1	70.2	75	65.7	Fine	1.0
16-Mar-20	15:19	67.1	63.4	71.1	15	67.1	Sunny	0.7
26-Mar-20	10:13	68.2	63.1	72.3]	68.2	Fine	0.8

NMS 15 Ha Wo Che

		Measu	ured Noise	e Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₉₀ L ₁₀	Weather	Speed		
				Unit	: dB(A) 30 Mi	ns		(m/s)
5-Mar-20	14:15	66.5	63.0	67.5		66.5	Fine	0.5
11-Mar-20	14:16	67.2	61.3	69.1	75	67.2	Fine	1.0
17-Mar-20	14:20	66.8	62.8	70.5	,,,	66.8	Sunny	0.8
27-Mar-20	14:13	65.3	61.7	71.3		65.3	Fine	0.7

NMS 16 Ha Wo Che

		Measu	ured Noise	e Level	Limit Level	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-Mar-20	15:31	67.6	64.5	68.5		67.6	Fine	0.6
11-Mar-20	15:37	66.8	61.5	70.3	75	66.8	Fine	0.9
17-Mar-20	15:26	67.0	62.1	69.7	75	67.0	Sunny	0.7
27-Mar-20	15:22	67.5	60.9	68.9		67.5	Fine	0.9

NMS 17 Shatin Pui Ying College

_			ured Noise	e Level	l imit l evel	Construction Noise Level		Wind		
Date	Start Time	L_{eq}	L ₉₀	L ₁₀	Emit Level		Weather	Speed (m/s)		
			Unit: dB(A) 30 Mins							
4-Mar-20	13:42	63.7	59.0	65.5		63.7	Fine	0.8		
10-Mar-20	13:42	63.7	59.0	65.5		63.7	Fine	0.8		
10-Mar-20	13:40	62.8	59.3	66.7	70	62.8	Fine	1.2		
16-Mar-20	13:39	65.2	61.4	68.3		65.2	Sunny	0.8		
26-Mar-20	13:43	64.9	60.4	67.9		64.9	Fine	0.7		

*Note: The Education Bureau (EDB) announced all schools will continue to be suspended until further notice.

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	Linit Level	Construction Noise Lever	Weather	Speed (m/s)	
			Unit: dB(A) 30 Mins						
5-Mar-20	14:53	68.6	61.5	66.5		68.6	Fine	0.6	
11-Mar-20	14:58	67.8	63.1	70.2	75	67.8	Fine	0.9	
17-Mar-20	15:03	66.9	60.7	68.9	15	66.9	Sunny	0.7	
27-Mar-20	14:49	68.3	61.8	69.7		68.3	Fine	0.8	

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

Impact Noise Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (

NMS 19 Wo Che Estate

		Measu	ured Noise	e Level	Limit Loval	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linnt Level	Construction Noise Lever	Weather	Speed
				ns		(m/s)		
4-Mar-20	13:00	67.5	64.5	69.0		67.5	Fine	0.4
10-Mar-20	12:57	68.1	63.4	70.5	75	68.1	Fine	0.9
16-Mar-20	13:06	67.5	62.8	68.8	15	67.5	Sunny	0.7
26-Mar-20	13:00	69.1	66.1	72.8		69.1	Fine	0.7

NMS 20 Wo Che Estate

			ured Noise	Level	l imit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linni Lever	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
4-Mar-20	14:19	66.8	65.5	68.0		66.8	Fine	0.6
10-Mar-20	14:11	67.8	63.5	72.3	75	67.8	Fine	0.8
16-Mar-20	14:13	69.8	64.1	71.8	75	69.8	Sunny	0.7
26-Mar-20	14:22	71.1	66.8	74.1		71.1	Fine	0.7

NMS 23 Pai Tau

			ured Noise	e 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 Mi	ns		(m/s)
5-Mar-20	13:39	66.7	65.5	68.0		66.7	Fine	0.9
11-Mar-20	13:44	65.2	61.3	68.1	75	65.2	Fine	1.0
17-Mar-20	13:40	67.8	62.9	70.2	10	67.8	Sunny	0.8
27-Mar-20	13:38	68.1	63.1	71.2		68.1	Fine	0.8

NMS 24 Shatin Plaza

			ured Noise	e Level	Limit Loval	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)
4-Mar-20	8:32	67.9	66.0	70.5		67.9	Fine	0.7
10-Mar-20	8:28	68.7	66.1	70.8	75	68.7	Fine	0.9
16-Mar-20	8:08	69.1	65.3	73.8	75	69.1	Sunny	0.8
26-Mar-20	8:28	69.2	64.8	73.4		69.2	Fine	0.7

NMS 25A Sheung Wo Che

			ured Noise	e Level	l imit l evel	Construction Noise Level		Wind	
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Emili Lever		Weather	Speed (m/s)	
			Unit: dB(A) 30 Mins						
4-Mar-20	16:42	71.6	66.5	72.5		71.6	Fine	1.2	
10-Mar-20	16:42	71.6	66.5	72.5		71.6	Fine	1.2	
10-Mar-20	16:37	69.7	63.4	70.8	75	69.7	Fine	1.0	
16-Mar-20	16:39	68.7	62.8	73.1		68.7	Sunny	0.8	
26-Mar-20	10:33	70.5	67.3	73.6		70.5	Fine	0.9	

NMS 26 Wo Che Estate

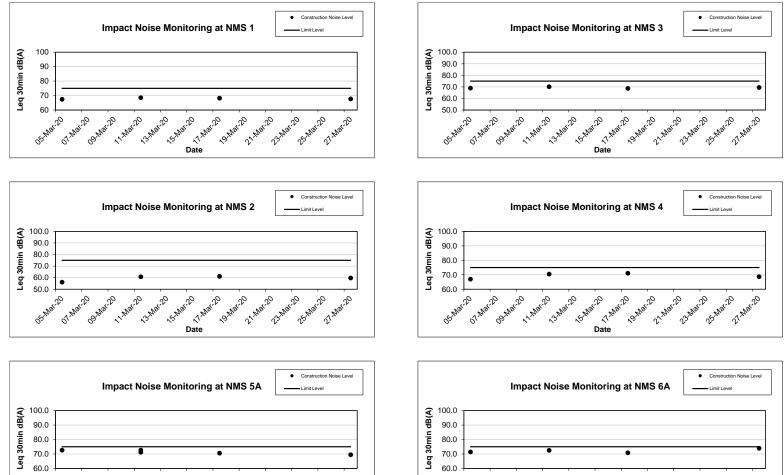
			ured Noise	e Level	l imit l evel	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Emit Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
4-Mar-20	14:54	73.9	68.5	76.0		73.9	Fine	0.8
10-Mar-20	15:03	72.1	68.2	74.5	75	72.1	Fine	0.8
16-Mar-20	15:01	69.8	67.5	73.1	10	69.8	Sunny	0.7
26-Mar-20	15:06	70.2	66.9	73.1		70.2	Fine	0.9

NMS 27 Jockey Club Ti-I College

			ured Noise	e Level	Limit Level	Construction Noise Level		Wind	
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed	
			Unit: dB(A) 30 Mins						
5-Mar-20	16:28	64.4	61.5	66.0		64.4	Fine	0.8	
11-Mar-20	16:30	65.8	62.8	70.2	70	65.8	Fine	0.9	
17-Mar-20	16:24	66.3	63.2	69.3	70	66.3	Sunny	0.6	
27-Mar-20	16:38	68.9	64.4	70.8		68.9	Fine	0.8	

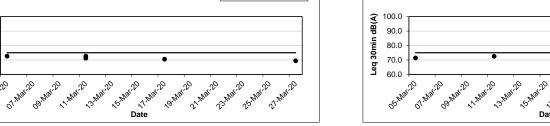
*Note: The Education Bureau (EDB) announced all schools will continue to be suspended until further notice.

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

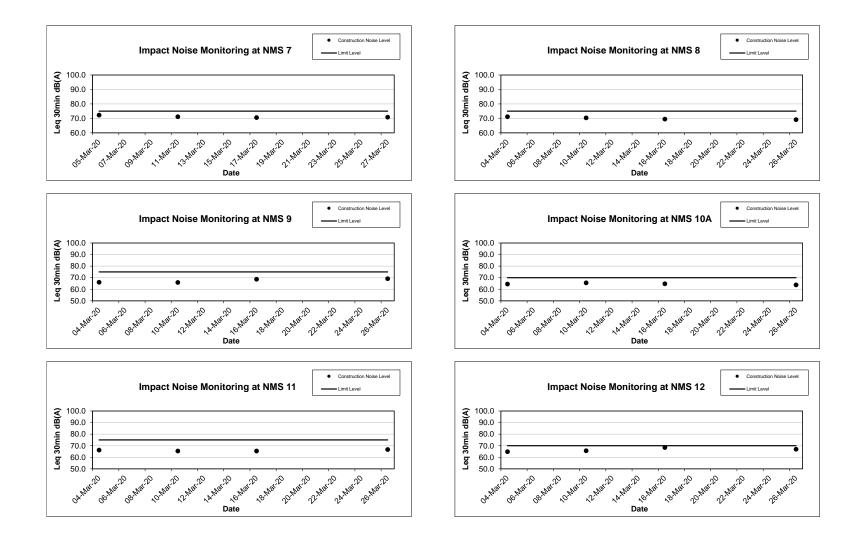


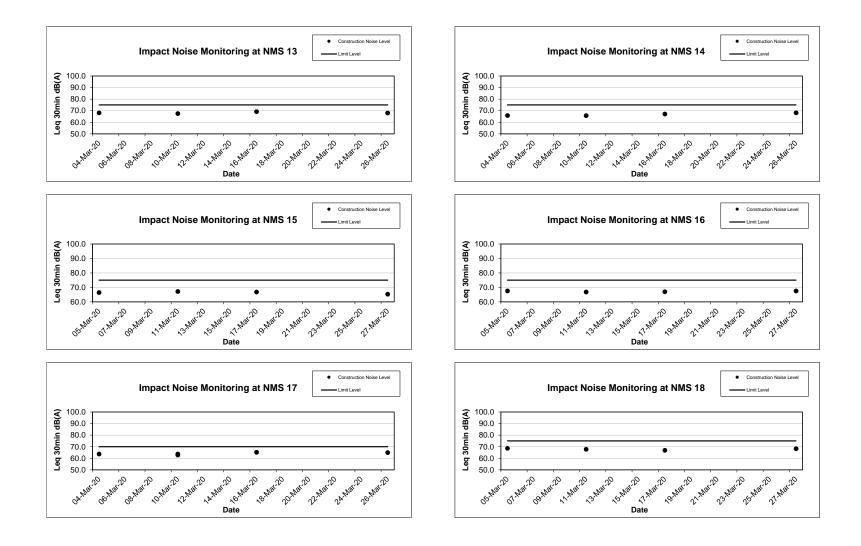
Date

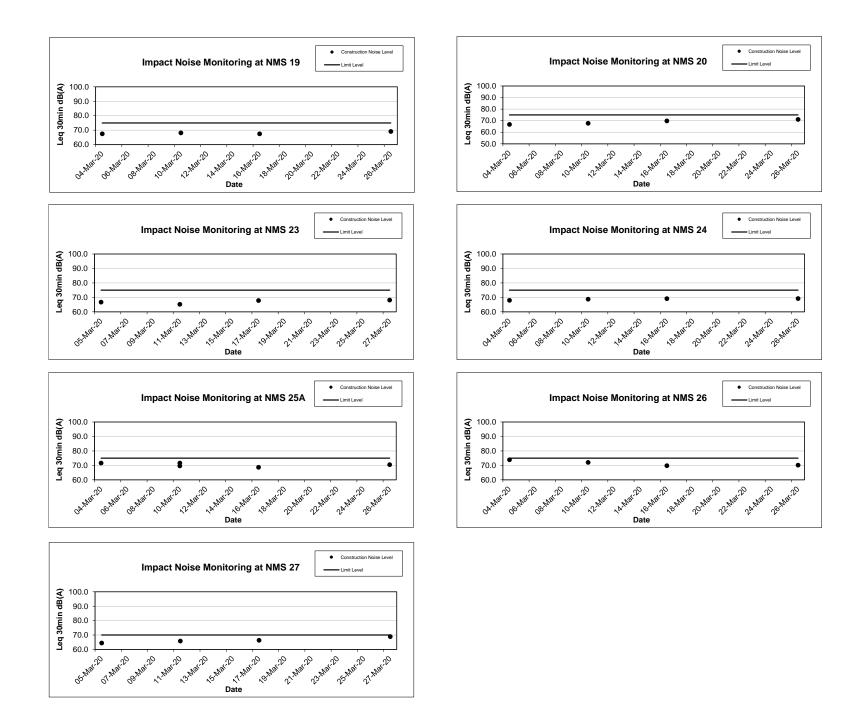
20 North L'HART SHOP SENAR 2 INOT



05.Mar.20







Night Time Noise Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Sectio

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)
5-Mar-20	23:00	55.9			55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5
12-Mar-20	23:06	61.5	61.4	52.8 - 66.3	66.3 55 42.6* 55 51.3*	Fine	0.4	
19-Mar-20	23:00	61.8	01.4	52.0 - 00.5		51.3*	Hazy	0.5
26-Mar-20	23:02	61.9			55	52.7*	Fine	0.4

*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)
6-Mar-20	2:55	46.4			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
13-Mar-20	2:53	47.9	49.7	40.1 - 58.2	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.5</td></limit>	Fine	0.5
20-Mar-20	2:35	44.7	49.7	40.1 - 30.2	55	Measured Noise Level <limit level<="" td=""><td>Hazy</td><td>0.4</td></limit>	Hazy	0.4
27-Mar-20	2:30	45.5			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6

*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)
5-Mar-20	23:00	60.9			55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
12-Mar-20	23:03	61.9	70.9	60.2 - 78.9	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
19-Mar-20	23:00	61.4	70.9	00.2 - 78.9	55	Measured Noise Level <baseline*< td=""><td>Hazy</td><td>0.4</td></baseline*<>	Hazy	0.4
26-Mar-20	23:00	62.8			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: 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)
6-Mar-20	2:49	56.0			55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
13-Mar-20	2:50	58.0	62.6	53.1 - 68.1	55	55 Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
20-Mar-20	2:45	58.0	02.0	55.1 - 00.1	55	Measured Noise Level <baseline*< td=""><td>Hazy</td><td>0.5</td></baseline*<>	Hazy	0.5
27-Mar-20	2:48	59.7			55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.4</td></baseline*<>	Fine	0.4

*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)
5-Mar-20	23:27	58.0			55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
12-Mar-20	23:25	73.3	67.9	62.0 - 75.2	55	71.8**	Fine	0.5
19-Mar-20	23:28	67.6	07.0	02.0 70.2	55	Measured Noise Level≤Baseline*	Hazy	0.5
26-Mar-20	23:24	67.2			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: 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)
6-Mar-20	23:15	58.6			55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.4</td></baseline*<>	Fine	0.4
13-Mar-20	23:21	58.2	71.5	65.0 - 85.9	55	Measured Noise Level <baseline*< td=""><td>0.0</td><td>0.5</td></baseline*<>	0.0	0.5
19-Mar-20	23:22	68.4	11.0	00.0 - 00.9	55	Measured Noise Level <baseline*< td=""><td>0.0</td><td>0.4</td></baseline*<>	0.0	0.4
26-Mar-20	23:27	68.5			55	Measured Noise Level <baseline*< td=""><td>0.0</td><td>0.6</td></baseline*<>	0.0	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)
6-Mar-20	2:29	57.5		51.4 - 65.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
13-Mar-20	2:33	58.2	59.0	51.4 - 65.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.4</td></baseline*<>	Fine	0.4
20-Mar-20	2:31	59.3	55.0	51.4 - 65.5	55	48.1**	Hazy	0.5
27-Mar-20	2:28	60.2		51.4 - 65.5	55	54.2**	Fine	0.6

*Note: Measured Average Leq (15min) was lower than baseline level: 59.0 dB(A) or Limit Level: 55 dB(A). **The Corrected Noise Level in Leq (15min) was lower than 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)
5-Mar-20	23:36	57.3		55.6 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.4</td></baseline*<>	Fine	0.4
12-Mar-20	23:31	56.9	64.4	55.6 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
19-Mar-20	23:47	57.4	04.4	55.6 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Hazy</td><td>0.4</td></baseline*<>	Hazy	0.4
26-Mar-20	23:44	59.4		55.6 - 72.8	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: 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)
6-Mar-20	0:15	56.5		39.5 - 63.1	55	53.6**	Fine	0.4
13-Mar-20	0:13	57.5	53.5	39.5 - 63.1	55	55.3***	Fine	0.6
20-Mar-20	0:17	56.1	55.5	39.5 - 63.1	55	52.7**	Hazy	0.4
27-Mar-20	0:15	56.8		39.5 - 63.1	55	54.0**	Fine	0.5

The Corrected Noise Level in Leq (15min) was lower than Limit Level: 55 dB(A). *Note: Due to rounding up, Corrected Noise Level in Leq (15min): 55.0 dB(A) was equal to Limit level: 55 dB(A).

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)
6-Mar-20	1:45	52.7		46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
13-Mar-20	1:57	54.9	53.2	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
20-Mar-20	2:00	55.1	55.2	46.1 - 62.8	55	50.7*	Hazy	0.6
27-Mar-20	2:00	55.1		46.1 - 62.8	55	50.5*	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)
6-Mar-20	0:16	56.8		45.4 - 72.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
13-Mar-20	0:32	59.1	57.3	45.4 - 72.5	55	54.3*	Fine	0.4
20-Mar-20	0:35	59.4	57.5	45.4 - 72.5	55	55.2*	Hazy	0.5
27-Mar-20	0:32	58.9		45.4 - 72.5	55	53.8**	Fine	0.6

*Note: Measured Average Leq (15min) was lower than baseline level: 57.3 dB(A) or Limit Level: 55 dB(A).

**The Corrected Noise Level in Leq (15min) was lower than Limit Level: 55 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)
6-Mar-20	1:35	54.8		46.1 - 62.8	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.5</td></limit>	Fine	0.5
13-Mar-20	1:38	55.5	54.1	46.1 - 62.8	55	50.0**	Fine	0.6
20-Mar-20	1:45	53.4	01.1	46.1 - 62.8	55	Measured Noise Level <limit level*<="" td=""><td>Hazy</td><td>0.4</td></limit>	Hazy	0.4
27-Mar-20	1:46	54.7		46.1 - 62.8	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6

*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)
6-Mar-20	1:24	53.7		48.4 - 69.7	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
13-Mar-20	1:37	59.0	58.8	48.4 - 69.7	55	45.0**	Fine	0.4
20-Mar-20	1:39	60.2	50.0	48.4 - 69.7	55	54.5**	Hazy	0.5
27-Mar-20	1:42	59.2		48.4 - 69.7	55	49.2**	Fine	0.6

*Note: Measured Average Leq (15min) was lower than baseline level: 58.8 dB(A) or Limit Level: 55 dB(A). **The Corrected Noise Level in Leq (15min) was lower than 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)
6-Mar-20	1:19	56.7		51.4 - 69.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
13-Mar-20	1:21	58.1	60.1	51.4 - 69.5	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
20-Mar-20	1:20	55.4	00.1	51.4 - 69.5	55	Measured Noise Level <baseline*< td=""><td>Hazy</td><td>0.4</td></baseline*<>	Hazy	0.4
27-Mar-20	1:25	56.4		51.4 - 69.5	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: 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)
6-Mar-20	1:00	53.0		56.0 - 72.1	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.4</td></limit>	Fine	0.4
13-Mar-20	0:57	54.7	63.2	56.0 - 72.1	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
20-Mar-20	1:01	54.7	03.2	56.0 - 72.1	55	Measured Noise Level <limit level*<="" td=""><td>Hazy</td><td>0.4</td></limit>	Hazy	0.4
27-Mar-20	1:09	54.2		56.0 - 72.1	55	Measured Noise Level <limit level*<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6

*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

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)
6-Mar-20	0:40	58.4		53.8 - 72.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
13-Mar-20	0:55	61.7	61.7	53.8 - 72.8	55	41.7**	Fine	0.0
20-Mar-20	0:55	61.7	01.7	53.8 - 72.8	55	41.7**	Hazy	0.4
27-Mar-20	0:50	61.6]	53.8 - 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: 61.7 dB(A) or Limit Level: 55 dB(A).

**The Corrected Noise Level in Leq (15min) was lower than 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)
6-Mar-20	0:58	55.5		48.6 - 71.7	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5
13-Mar-20	1:11	57.5	57.7	48.6 - 71.7	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.0</td></baseline*<>	Fine	0.0
20-Mar-20	1:09	59.0	57.7	48.6 - 71.7	55	53.2**	Hazy	0.5
27-Mar-20	1:08	57.1		48.6 - 71.7	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 Limit Level: 55 dB(A).

**The Corrected Noise Level in 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)
6-Mar-20	2:10	55.4		47.8 - 69.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5
13-Mar-20	2:07	57.3	59.9	47.8 - 69.8	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.4</td></baseline*<>	Fine	0.4
20-Mar-20	2:12	57.5	59.9	47.8 - 69.8	55	Measured Noise Level <baseline*< td=""><td>Hazy</td><td>0.4</td></baseline*<>	Hazy	0.4
27-Mar-20	2:15	59.5		47.8 - 69.8	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: 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)
5-Mar-20	23:51	57.0		50.2 - 66.7	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5
13-Mar-20	0:03	59.2	58.0	50.2 - 66.7	55	53.1**	Fine	0.6
20-Mar-20	0:06	59.7	50.0	50.2 - 66.7	55	54.9*	Hazy	0.5
27-Mar-20	0:05	59.7		50.2 - 66.7	55	54.9**	Fine	0.6

*Note: Measured Average Leq (15min) was lower than baseline level: 58.0 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)
6-Mar-20	2:06	56.2		50.3 - 68.4	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.5</td></baseline*<>	Fine	0.5
13-Mar-20	2:13	58.8	59.7	50.3 - 68.4	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
20-Mar-20	2:14	60.5	00.7	50.3 - 68.4	55	52.8*	Hazy	0.6
27-Mar-20	2:07	59.7		50.3 - 68.4	55	39.6*	Fine	0.4

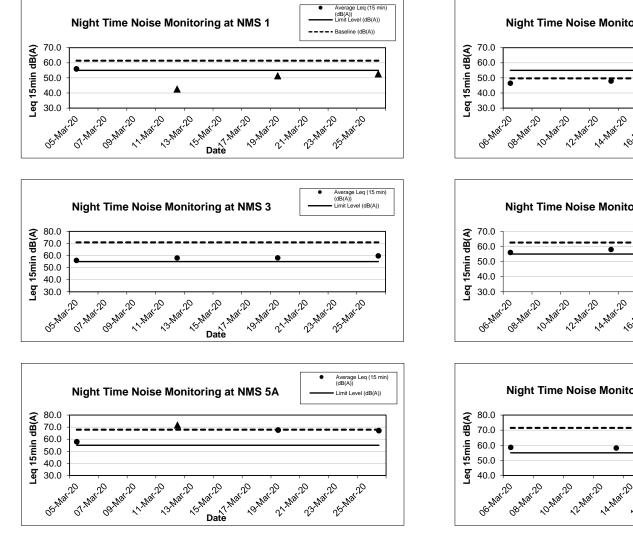
*Note: Measured Average Leq (15min) was lower than baseline level: 59.7 dB(A) or Limit Level: 55 dB(A).

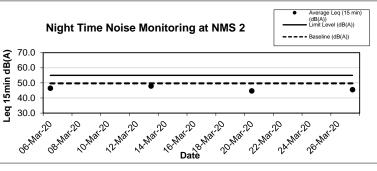
NMS 26 Wo Che Estate

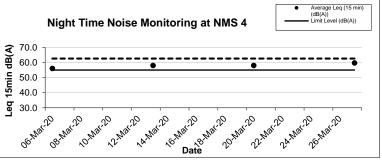
Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
6-Mar-20	0:39	57.8		45.7 - 70.1	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.7</td></baseline*<>	Fine	0.7
13-Mar-20	0:42	55.9	61.2	45.7 - 70.1	55	Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6
20-Mar-20	0:42	58.7	01.2	45.7 - 70.1	55	Measured Noise Level <baseline*< td=""><td>Hazy</td><td>0.4</td></baseline*<>	Hazy	0.4
27-Mar-20	0:45	58.5		45.7 - 70.1		Measured Noise Level <baseline*< td=""><td>Fine</td><td>0.6</td></baseline*<>	Fine	0.6

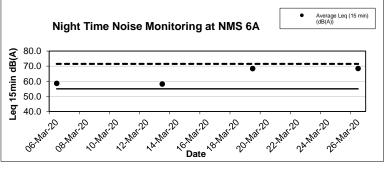
*Note: Measured Average Leq (15min) was lower than baseline level: 61.2 dB(A).

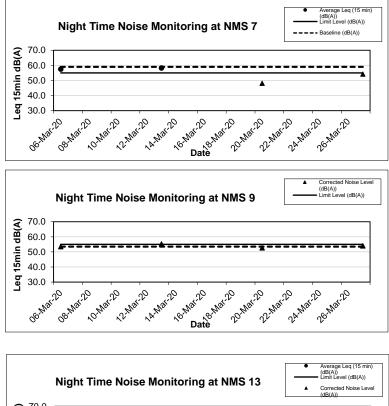
***The Corrected Noise Level in Leq (15min) was greater than Limit Level: 55 dB(A). There was an exceedance. The exceedance is proved to be not project related by ET's investigation.

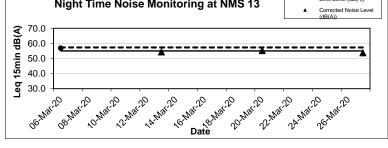


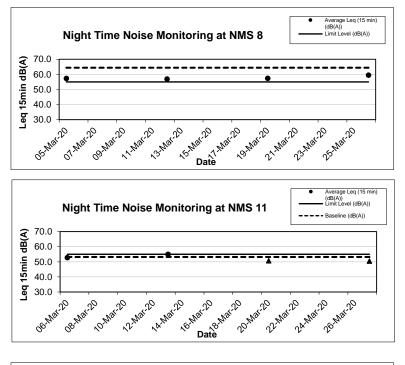


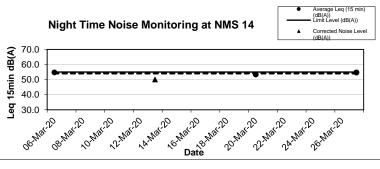


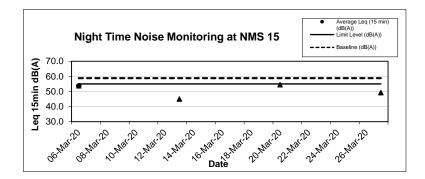


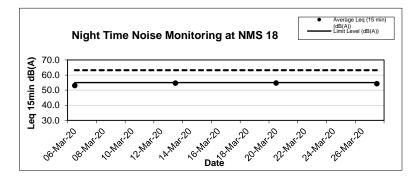


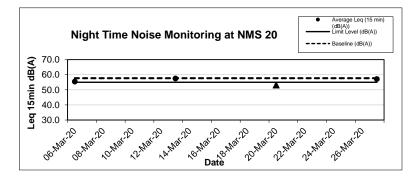


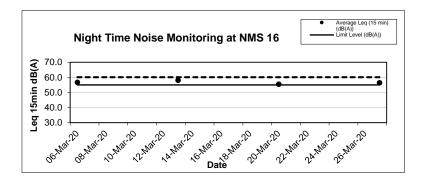


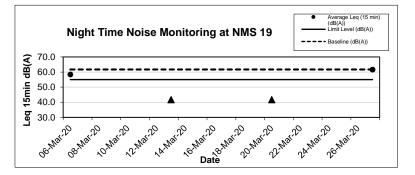


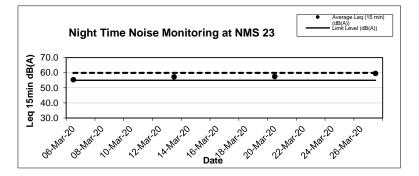


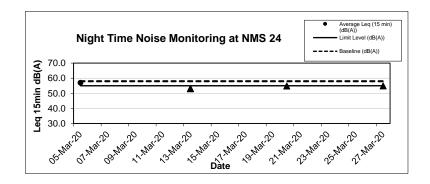


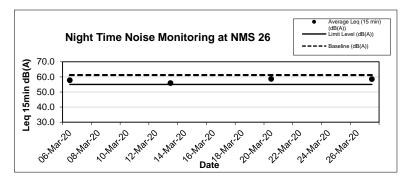


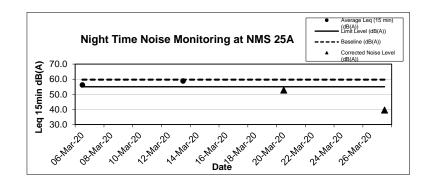












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Appendix H

Events and Action Plan

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

Event and Action Plan for Construction Dust Monitoring

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EVENT		ACTION				
	ET Leader	IEC	SO	Contractor		
for two or more consecutive samples	 Contractor. Identify the source. Repeat measurement to confirm findings. Increase monitoring frequency to daily. Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented. Arrange meeting with the IEC and the SO to discuss the remedial actions to be taken. Assess effectiveness of Contractor's remedial actions and keep the IEC, the EPD and the SO informed of the results. If exceedance stops, cease additional monitoring. 	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.	 notification of failure in writing. 2. Notify the Contractor. 3. In consultation with the Contractor on the remedial measures to be implemented. 4. Ensure remedial measures are properly implemented. 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. 	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.		

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Event and Action Plan for Noise Impact

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

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Event and Action Plan for Landscape and Visual Impact

Event			Action	
Event		ET	SO	Contractor
Non-conformity one occasion	on	 Identify Source; Inform the Contractor and the SO; 	 Notify Contractor; and Ensure remedial measures are 	 Amend working methods; Rectify damage and undertake
		 Discuss remedial actions with the SO and the Contractor; and Monitor remedial 	properly implemented.	any necessary replacement.
		actions until rectification has been completed		
Repeated conformity	Non-	 Identify Source; Inform the Contractor and the SO; 	 Notify Contractor; and Ensure remedial measures are 	 Amend working methods; Rectify damage and undertake
		3. Increase monitoring frequency;	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	ste Flow Table for Year 2018											
		Actual Quant	tities of Inert C&I	D Materials Gene	erated Monthly	Actual	Quantities of Non-	-inert C&D Wast	es Generated N	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 '000Ton)	(in '000kg)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000Ton)	
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	Table for Year 2	2019									
		Actual Qua	Intities of Inert C&	D Materials Genera	ted Monthly		Actu	ual Quantities of Non-	inert C&D Waste	es Generated Mont	hly
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 '000Ton)	(in '000kg)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000Ton)
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	0.849	0.000	0.023	0.000	0.826	0.074	0.000	0.014	0.001	0.000	0.034
Total	4.200	0.000	0.916	0.000	3.284	1.884	0.001	0.060	0.010	0.000	0.889

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Waste Flow	Table for Year	2020									
		Actual Qua	Intities of Inert C&I	D Materials Genera	ted Monthly		Act	ual Quantities of Non-	inert C&D Waste	es Generated Mont	hly
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 '000Ton)	(in '000kg)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000Ton)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000Ton)
2020 Jan	0.584	0.000	0.027	0.000	0.557	0.040	0.001	0.030	0.001	0.000	0.039
2020 Feb	1.072	0.000	0.042	0.000	1.030	0.000	0.001	0.026	0.003	0.000	0.013
2020 Mar	0.422	0.000	0.006	0.000	0.416	0.062	0.000	0.000	0.000	0.000	0.054
2020 Apr											
2020 May											
2020 Jun											
Sub-Total	2.078	0.000	0.075	0.000	2.003	0.102	0.002	0.056	0.004	0.000	0.106
2020 Jul											
2020 Aug											
2020 Sep											
2020 Oct											
2020 Nov											
2020 Dec											
Total	2.078	0.000	0.075	0.000	2.003	0.102	0.002	0.056	0.004	0.000	0.106

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.

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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		
		 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). 	Contractor	Implemented
		 PME is recommended to operate in sub-grouping, and different sub-groups shall not be operated concurrently within any half hour period 	Contractor	Implemented
		 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. 	Contractor	Implemented
3.10.2, 3.10.3, 3.10.14,		 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. 	Contractor	Implemented
3.10.15 and Table 3.10	Within the boundaries of all construction	 Use of well-maintained and regularly-serviced plant during the works. 	Contractor	Implemented
		Plant operating on intermittent basis should be turned off or throttled down when not in active use.	Contractor	Implemented
		 Plant that is known to emit noise strongly in one direction should be orientated to face away from the NSRs. 	Contractor	Implemented
		 Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the works. 	Contractor	Not Applicable
	sites.	Fixed plants should be sited away from NSRs where possible.	Contractor	Not Applicable
		 Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works. 	Contractor	Not Applicable
3.10.4, 3.10.5 and		 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. 	Contractor	Not Applicable
Table 3.3		 Other type of quiet PME are allowed to use for their needs based on the actual construction conditions and programmes 	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	Partially Implemented
3.10.6 to 3.10.9		 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. 		Not Applicable
		 These temporary noise barriers should be located immediately adjacent to working area. 	Contractor	Not Applicable

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		 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. 	Contractor	Not Applicable
		 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. 	Contractor	Not Applicable
		 For the stationary plant bored pile oscillator, temporary noise barriers of sufficient height with skid footing and small cantilevered upper portion should be provided. 	Contractor	Not Applicable
		 Barrier material of surface density of at least 14 kg/m² is recommended in order to achieve the necessary screening effect. 	Contractor	Not Applicable
3.10.10		 Full noise enclosures should cover the PME or fixed plants such as air compressor. 	Contractor	Not Applicable
		 Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the works; 	Contractor	Not Applicable
3.10.3		 Where possible fixed plants should be sited away from NSRs; and 	Contractor	Not Applicable
		 Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works. 	Contractor	Not Applicable
	•	Air Quality Measures		
		 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. 		Implemented
	boundaries of	 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. 	Contractor	Implemented
	all construction sites.	 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. 	Contractor	Implemented
		 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 	Contractor	Implemented

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		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 20m³ shall be enclosed on three sides, with walls extending above the pile and 1 meter beyond the front of the pile. 	Contractor	Implemented
		 Suitable chemical wetting agent such as dust suppression chemical shall be used on completed cuts and fills to reduce wind erosion. 	Contractor	Not Observed
		 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. 	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. 	Contractor	Implemented
		 Construction working areas should be restricted to a minimum practicable size. 	Contractor	Implemented
		 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. 	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. 	Contractor	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
		 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. 	Contractor	Not Applicable
		 If spoil cannot be immediately transported out of the Site, stockpiles should be stored in sheltered areas. 	Contractor	Implemented
		 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. 	Contractor	Implemented

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
4.12.1, 4.13.1 and		•Construction dust monitoring shall be carried out at representative monitoring locations during the construction period.	Contractor	Implemented
Table 8.2		• Path for complaints and handling procedures should be set up and implement.	Contractor	Implemented
		 Dark smoke emission shall be control in accordance with the Air Pollution Control (Smoke) Regulation and ETWB TCW 19/2005. 	Contractor	Implemented
NA		 Plant and equipment should be well maintained to prevent dark smoke emission. 	Contractor	Implemented
		 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. 	Contractor	Implemented
		Water Quality Measures		
		 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: 	Contractor	Partially Implemented
	Within the	• 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	Partially Implemented
5.7	all	 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. 		Implemented
	sites.	• 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.	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 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.	Contractor	Implemented
		• The efficiency of the interceptor channels, traps and sedimentation chambers should be maintained	Contractor	Partially Implemented

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		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.		
		 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. 	Contractor	Partially Implemented
		 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. 	Contractor	Implemented
		 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. Wastewater generated from the washing which is discharged should be passed through a silt trap before discharge to the storm water system. 	Contractor	Not Applicable
		 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. 	Contractor	Not Applicable
		• 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.	Contractor	Not Applicable
		 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. 	Contractor	Not Applicable
		 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. 	Contractor	Not Applicable

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		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.		
		 Run off from roofed surfaces of site facilities should be collected and diverted to a storm water drain. 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. 	Contractor	Partially Implemented
		 Discharges from the site shall be required to meet the terms and conditions of a valid WPCO Water Pollution Control Ordinance (WPCO). 	Contractor	Implemented
		 Regular site inspection of the construction works shall be carried out to determine compliance with the Inspection should be included: 	e recommended m	nitigation measures.
		(i) The functioning of onsite surface water collection channels and sediment traps.	Contractor	Partially 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		
		Construction Phase		
Table 6.5	During construction within the	• 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.	Contractor	Implemented
	Project Boundary.	 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. 	Contractor	Implemented

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		 Old and valuable trees (OVTs) identified in the Project Boundary shall be protected in accordance with ETWB TCW no. 29/2004. 	Contractor	Implemented
		 Night-time lighting glare shall be properly managed and control during construction so as to minimize any adverse visual impact on adjacent VSRs. 	Contractor	Not Applicable
		 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. 	Contractor	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	 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. 	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
		 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. 	Contractor	Not Applicable
		• 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.	Contractor	Not Applicable
		Waste Management Measures		
7.6.2 to 7.6.4	all	• 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	Contractor	Partially Implemented

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
	sites.	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.		
		 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	Partially 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
	Within the boundaries of all	• 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
	construction	 The contractor's environmental performance shall be monitored and controlled through the weekly en environmental walks shall include: 	vironmental walks	. The items after the
	as transportatio	• 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
	n routes to	 The environmental performance of the contractor and his sub-contractors; 	Contractor	Implemented
	designed areas for off-	 The effectiveness of the environmental measures on nuisance abatement and waste management implemented on the site, and any complaints received; and 	Contractor	Implemented
	of	 The promptness of rectification or improvement actions of the Contractor on the defects and deficiencies identified during inspections of the site. 	Contractor	Implemented
	materials/Pri or to and during construction activities.	 Waste shall only be disposed of at licensed sites and the WMP should include procedures to 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 	Contractor	Implemented

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		enclosed containers.		
7.6.10		 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. 	Contractor	Implemented
		 In order to minimize the impact resulting from collection and transportation of C&D material for off- site disposal, the excavated fill materials should be reused on site as backfill material as far as possible. 	Contractor	Implemented
		 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. 	Contractor	Implemented
7.6.11 to 7.6.14		 C&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&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&D materials shall be reused on site as much as possible. 	Contractor	Implemented
		 Paving bricks arising from existing pavement should be recycled on site as much as possible. 	Contractor	Not Applicable
		 Existing marginal roadside barriers comprise pre-cast units should be reused in the following widening works as much as possible, 	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
		 Any stockpile should be sited away from existing watercourses and suitably covered to prevent wind erosion and impacts on air and water quality. 	Contractor	Implemented
7.6.15 to		 Chemical waste shall be handled in accordance with the Code of Practice on the Packaging, Handli as follows. Containers used for the storage of chemical wastes should: 	ng and Storage	of Chemical Wastes
7.6.17		 be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; 	Contractor	Partially Implemented

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		 have a capacity of less than 450L unless the specifications have been approved by the EPD; and 	Contractor	Implemented
		 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). 	Contractor	Implemented
		The storage area for chemical wastes should:		
		 be clearly labelled and used solely for the storage of chemical waste; 	Contractor	Implemented
		 be enclosed on at least 3 sides; 	Contractor	Implemented
		• 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;		Implemented
		have adequate ventilation;	Contractor	Partially Implemented
		• be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste if necessary); and	Contractor	Implemented
		 be arranged so that incompatible materials are adequately separated. 	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
		• 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		Implemented
		• to a reuser of the waste, under approval from EPD.	Contractor	Not Applicable
7.6.18 to 7.6.20		 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 impacts. The burning of refuse on construction sites is prohibited by law. 	Contractor	Implemented
		Separate labelled bins should be provided if feasible.	Contractor	Not Observed
		• 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.	Contractor	Implemented
7.7.1		• 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.	Contractor	Implemented

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		 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. 	Contractor	Implemented
EP 1.5		General Condition		
N.A	During construction within the Project	• 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).	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)
			Mar 2020			
1	1014.2	26.6	22.8	20.4	82	-
2	1017.6	21.8	20.1	18.8	84	Trace
3	1018.2	21.0	19.4	18.2	81	Trace
4	1018.0	21.5	19.9	18.2	84	3.1
5	1019.4	20.7	18.2	16.5	85	0.4
6	1017.5	19.8	18.3	17.2	80	Trace
7	1014.0	24.3	20.6	18.8	88	Trace
8	1010.7	23.6	22.1	20.9	92	Trace
9	1008.5	26.8	23.4	20.8	89	Trace
10	1013.3	26.7	23.4	20.7	67	Trace
11	1017.7	20.8	19.2	17.9	72	Trace
12	1015.7	20.2	19.2	18.0	89	Trace
13	1015.7	25.0	21.4	19.3	91	-
14	1017.6	25.9	21.6	19.8	78	0.4
15	1019.3	23.0	20.2	18.9	70	-
16	1019.7	22.8	20.3	18.5	75	-
17	1018.7	21.7	20.3	19.5	79	-
18	1015.8	21.6	20.5	19.7	86	10.7
19	1014.7	23.0	21.1	20.3	88	0.8
20	1015.4	23.0	21.2	20.5	87	0.4
21	1015.4	23.0	21.2	20.2	94	0.2
22	1014.0	28.5	24.2	21.6	84	-
23	1014.2	28.5	24.6	22.0	81	_
24	1015.3	26.6	22.8	21.0	82	Trace
25	1014.2	26.5	22.8	21.2	83	Trace
26	1013.5	26.3	23.3	22.0	90	1.0
27	1013.0	27.7	24.4	22.4	86	Trace
28	1013.3	25.9	22.8	19.8	91	9.8
29	1013.5	21.9	20.2	19.1	91	2.2
30	1012.2	21.4	20.4	19.7	82	-
31	1014.2	26.6	22.8	20.4	84	Trace

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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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
COM-2020- 0083	29/02/2020	Project email of NE/2017/05	CCZJV	Noise and Dust	29/02/2020	The complaint of the dust and noise nuisance near Wai Wah Centre during both the day and night works was at zone 2. The construction works at zone 2 was the mini-piling operation during the day time was same as the complaint. Thus, the complaint in daytime is related to the project. Furthermore, loading and unloading works was carried in night time. Contractor was reminded to enhance the water spray frequency on the construction site for mitigation measures on dust control. Also, Contractor should provide green tarpaulin curtain and additional acoustic Sound Proof Canvas as a secondary layer at the bottom of the mini-pile drilling machine to secure the total enclose condition to minimize the visual and noise impacts	19/03/2020

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						to nearby NSRs. ET checked the regular impact air and noise monitoring data between day time and night-time regular noise monitoring data, no exceedance case was found on both regular impact air and noise monitoring measurement. The main contractor should carry out further review the effectiveness of the enclosure or noise barrier with their mitigation measure and propose alternative noise mitigation measures to enhance the noise reduction on similar day works or night works in restricted hours.	
COM-2020- 0089	24/03/2020	Project hotline	CCZJV	Noise	24/03/2020	The complaint case is still under ET's investigation.	-
COM-2020- 0090	27/03/2020	Project hotline	CCZJV	Noise	27/03/2020	The complaint case is still under ET's investigation.	-
COM-2020- 0091	28/03/2020	Project hotline	CCZJV	Noise	28/03/2020	The complaint case is still under ET's investigation.	-

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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	9	3	12
Water	0	0	0
Waste	0	0	0
Total	9	3	12

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

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Summary of Site Audit in the Reporting Month

Parameters	Date	Observations and Recommendations	Follow-up
Air Quality	5 Mar 2020	Reminder: 1. Dusty stockpile shall be covered. (Work area B)	-
Noise	12 Mar 2020	Reminder 1. The contractor is reminded to maintain regular noise mitigation measure for mini piling works. (Zone 1)	-
	19 Mar 2020	Reminder:1. Mitigation measure shall be provide to prevent soil leakage. (Zone 3 & Zone 5)	-
Water Quality	26 Mar 2020	 Observation: 1. Mitigation measure shall be provide to prevent sand leakage. (Zone 4 NF 40) 	 Mitigation measures were provided to prevent sand leakage.
Chemical and Waste Management	26 Mar 2020	 Reminder: Drip tray shall be provided for chemical storage. (Zone 3) Relocation or cleaning of chemical waste storage tank. (Zone 3) Please be mind that the sand or sludge shall not bring outside of site area. (Zone 3) 	-
Land Contamination	No deficiency was found during the reporting		month.
Landscape and Visual Impact	1	No specific observation was identified in the repo	rting month.
General Condition	26 Mar 2020	Reminder: 1. Environmental Permit shall be provided in entrance. (RW 7)	-