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.: 0064/18/ED/0478C

MONTHLY EM&A REPORT

June 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/0478C

Prepared by : Rex Chow

Reviewed by : Cyrus Lai

Certified by :

David Hung

Environmental Team Leader Fugro Technical Services Limited



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 July 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 June 2020

I refer to the email of the ET dated 14 July 2020 regarding to the captioned Monthly EM&A Report with report No. 0064/18/ED/0478C, 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,

K

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)



Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. : +852 2450 8233 Fax : +852 2450 6138

E-mail: matlab@fugro.com Website: www.fugro.com

Date 14 July 2020

Our Ref. MCL/ED/0363/2020/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/0478C)

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/0478C) for your retention. This monthly EM&A Report has been certified by ETL and verified by IEC accordingly.

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

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

David Hung

Environmental Team Leader

yorky

C.C. CEDD Attn: Mr. Joseph Yan / Ms. Cannifer Fung (by E-mail)

Attn: Mr. Albert Yu / Mr. Bobby Hung / Mr. Andrew Cheng / **AECOM**

Ms. Kate Chen / Ms. Catherine Tam (by E-mail) Attn: Mr. Kevin Li / Mr. Tandy Tse (by E-mail)

IEC

CCZJV Attn: Mr. Chung Sing Chu / Ms. Kimberly Wong / Mr. Alvin Chan (by E-mail)

Encl.





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



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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



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 June 2020 and 30 June 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 Tree preservation / pruning Underground utilities diversion Construct temporary road and site access Road surface remedial works Mini pile works Construction / diversion of temporary cycle track and footpath	Trial pits excavation Underground utilities diversion Road surface remedial works Mini pile works Construction / diversion of temporary cycle track and footpath	 Trial pits excavation Tree preservation / pruning Underground utilities detections Underground utilities diversion Pre bored H-pile works Soldier pile works Mini pile works Construction of soldier pile wall Construction of pile cap Noise barrier foundation works Construction of temporary road for bus terminal 	 Trial pits excavation Underground utilities detections Underground utilities diversion Structural Works for Footbridge NF40 Staircases Foundation works for Footbridge F66 	Trial pits excavation Tree preservation / pruning Underground utilities detections Underground utilities diversion Pre-drilling works Construction of Noise Barrier Foundation and soil replacement at slope

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.
- v. Regular night time noise monitoring was carried out on 4, 11, 18 and 23 June 2020 respectively and no exceedance case was recorded between 2300 and 0700 of the next day during the reporting month.

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



Complaint, Notification of Summons and Successful Prosecution

vi. No complaint cases were received during the reporting period.

Reporting Changes

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

Future Key Issues

viii. 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.

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



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**.

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



- 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 19th 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 June 2020 and 30th June 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

Table 1.1 Contact Information of Key Personnel

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

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



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 Tree preservation / pruning Underground utilities diversion Construct temporary road and site access Road surface remedial works Mini pile works Construction / diversion of temporary cycle track and footpath 	 Trial pits excavation Underground utilities diversion Road surface remedial works Mini pile works Construction / diversion of temporary cycle track and footpath 	 Trial pits excavation Tree preservation / pruning Underground utilities detections Underground utilities diversion Pre bored H-pile works Soldier pile works Mini pile works Construction of soldier pile wall Construction of pile cap Noise barrier foundation works Construction of temporary road for bus terminal 	 Trial pits excavation Underground utilities detections Underground utilities diversion Structural Works for Footbridge NF40 Staircases Foundation works for Footbridge F66 	 Trial pits excavation Tree preservation / pruning Underground utilities detections Underground utilities diversion Pre-drilling works Construction of Noise Barrier Foundation and soil replacement at slope

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**.

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



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 for Road Closure works at restricted hours	GW-RN0355-20	01/06/2020	31/07/2020

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



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.

Table 2.1 24-hour TSP Monitoring Equipment

Item	Location	Brand	Model Equipment		Serial Number
1	AMS 4A	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	882147
2	AMS 8	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620407
3	AMS 12	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	620480
4	AMS 17	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	761105

*Notes: As electricity supply is not available and accessible for the High Volume Samplers (HVS) at AMS 4A, 8, 12 and 17 portable Laser Particle Photometer Monitors will be utilized for 24-hour TSP monitoring instead of High Volume samplers (HVS). The correlation between HVS and the portable Laser Particle Photometer Monitors are presented in Appendix D.

Table 2.2 1-hour TSP Monitoring Equipment

Item	Location	Brand	Model	Model Equipment	
1	AMS 4A	Sibata	Model LD-5R	Sibata Portable TSP Monitors	Number 882147
2	AMS 8	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620407
3	AMS 12	Sibata	Model LD-5R	Sibata Portable TSP Monitors	620480
4	AMS 17	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.

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



- 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 ± 3 °C; the relative humidity (RH) is < 50% and not variable by more than ± 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.

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



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 1-hr 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.

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



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 June 2020 is south west. The most updated locations are summarized in **Table 2.3** and shown in **Figure 2a**.

Table 2.3 Location of Air Quality Monitoring Station

Monitoring Station	Location	Land uses
AMS 4A	Wai Wah Centre	Residential
AMS 8	Lek Yuen Estate	Residential
AMS 12	Fung Wo Estate	Residential
AMS 17	Wo Che Estate	Residential

2.6 Results and Observations

- 2.6.1 The schedule of air quality monitoring in reporting month is provided in **Appendix E**.
- 2.6.2 No Action / Limit Level exceedance was recorded for 24-hr and 1-hr TSP at AMS 4A, 8, 12 and 17 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/ m³)	Limit Level (µg/ m³)
	AMS 4A	79	66 – 89	200	
24-hr TSP	AMS 8	74	67 – 86	161	260
in µg/m³	AMS 12	81	74 – 86	168	260
	AMS 17	84	79 – 86	171	

Table 2.5 Summary of 1-hr TSP Monitoring Results

Parameter	Monitoring Station	Average (µg/m³)	Range (µg/ m³)	Action Level (µg/ m³)	Limit Level (µg/ m³)
	AMS 4A	88	64 – 102	348	
1-hr TSP	AMS 8	77	58 – 93	336	500
in µg/m³	AMS 12	85	62 – 100	296	500
	AMS 17	89	64 - 108	338	

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

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



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.

Table 3.1 Noise Monitoring Equipment

Item	Brand	Model	Equipment	Serial Number
1	Casella	CEL-63X Series	Integrating Sound Level Meter	0873573
2	Casella	CEL-63X Series	Integrating Sound Level Meter	1367959
3	Casella	CEL-63X Series	Integrating Sound Level Meter	1488279
4	Casella	CEL-63X Series	Integrating Sound Level Meter	1488289
5	Casella	CEL-63X Series	Integrating Sound Level Meter	1488295
6	Casella	CEL-63X Series	Integrating Sound Level Meter	2451048
7	Casella	CEL-120 Series	Calibrator	2383852
8	Casella	CEL-120 Series	Calibrator	2383886
9	Casella	CEL-120 Series	Calibrator	2383982
10	Casella	CEL-120 Series	Calibrator	4358250

3.3 Monitoring Parameters and Frequency

Table 3.2 presents the noise monitoring parameters and frequencies.

Table 3.2 Monitoring Parameters and Frequencies of Noise Monitoring

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

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



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 : Atime 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**.

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



Table 3.3 Location of Noise Monitoring Station

	Die 3.5 Location of Noise Monitoring Gration				
Monitoring Station	Location	Land Uses	Type of Measurement		
		5 11 11			
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		

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 Summary of Day Time Noise Impact Monitoring Results

Table 3.4 Summary of Day Time Noise impact Monitoring Results					
Monitoring Station	L _{eq (30min)} Range, dB(A) Construction Noise Level	L _{eq (30min)} Limit Level, dB(A)			
NMS1	66.8 – 67.6	75			
NMS2	61.4 – 62.3	75			
NMS3	67.8 – 69.7	75			
NMS4	67.3 – 68.5	75			
NMS5A	68.5 – 71.3	75			
NMS6A	69.9 – 70.7	75			
NMS7	69.3 – 72.1	75			
NMS8	69.8 – 71.6	75			
NMS9	63.9 – 69.0	75			
NMS10A	64.8 – 67.6	70*			
NMS11	67.7 – 70.5	75			
NMS12	64.6 – 68.4	70*			
NMS13	65.8 – 72.0	75			
NMS14	64.9 – 68.2	75			
NMS15	64.0 – 68.7	75			
NMS16	65.9 – 67.3	75			
NMS17	63.8 – 64.6	70*			
NMS18	64.8 - 68.0	75			
NMS19	65.4 – 68.1	75			
NMS20	67.1 – 71.9	75			
NMS23	66.7 – 68.9	75			
NMS24	68.3 – 70.5	75			
NMS25A	68.3 – 69.1	75			
NMS26	71.6 – 74.4	75			
NMS27	64.3 – 67.1	70*			

Note: 1. L_{eq (30min)} was measured at day-time (0700-1900) on normal weekdays.

3.7.6 Regular night time noise monitoring were conducted on 4, 11, 18 and 23 June 2020 and the results are summarized in **Table 3.5**. Detailed monitoring data are presented in **Appendix G.**

^{2. 70} dB(A) for schools and 65 dB(A) for schools during examination period.

^{3.} Deferral of Class Resumption for All Schools are provided in **Appendix E** for reference.

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Table 3.5 Summary of Night Time Noise Impact Monitoring Results

Monitoring	L _{eq (15min)} Range, dB(A)	L _{eq (15min)} Limit	L _{eq (15min)} Baseline, dB(A)
Station	Construction Noise Level	Level, dB(A)	
NMS1	56.5 – 57.7	55	61.4
NMS2	44.7 – 50.9	55	49.7
NMS3	61.4 – 62.1	55	70.9
NMS4	57.4 – 60.9	55	62.6
NMS5A	66.5 – 67.7	55	67.9
NMS6A	66.2 – 68.4	55	71.5
NMS7	55.8 – 58.0	55	59.0
NMS8	56.5 – 58.7	55	64.4
NMS9	52.7 – 53.5 ^[2]	55	53.5
NMS11	52.3 – 55.0 ^{[2][4]}	55	53.2
NMS13	44.0 - 57.2 ^[2]	55	57.3
NMS14	51.5 – 53.6 ^[2]	55	54.1
NMS15	58.5 – 58.8 ^[5]	55	58.8
NMS16	55.4 – 59.5	55	60.1
NMS18	54.0 – 58.8	55	63.2
NMS19	47.6 – 60.7 ^[2]	55	61.7
NMS20	45.9 – 57.1 ^[2]	55	57.7
NMS23	57.3 – 59.6	55	59.9
NMS24	46.1 – 52.3 ^[2]	55	58.0
NMS25A	40.2 – 59.4 ^[2]	55	59.7
NMS26	58.7 – 59.1	55	61.2

Note: 1) L_{eq (15min)} was measured at night-time (2300-0700).

- 2) When the Average Measured Noise Level is greater than Limit Level and baseline level, Average Construction Noise Level (CNL) will be applied, where Calculated CNL = Measured Noise Level during operation Baseline
- 3) Detailed analysis of each monitoring location is provided in **Appendix G**.
- 4) Corrected Noise Level in L_{eq(15min)} was 54.9825dB(A), which was lower than Limit level: 55dB(A).
- 5) Measured Noise Level in L_{eq (15min)} was 58.7947dB(A), which was lower than Baseline level: 58.8dB(A).
- 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, no exceedance case was recorded 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**.

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4. LANDSCAPE AND VISUAL

4.1 Audit Requirements

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

4.2 Results and Observations

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

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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 4, 11, 18 and 23 June 2020. The site inspection held on 23 June 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 and reported by the Contractor. All the rectifications during the reporting period were fulfilled with the requirement of Proposal of Site Inspection, Deficiency and Remedial Action. No outstanding issues were reported during the reporting month. Details of observations recorded during the site inspections are summarized in **Appendix M**.

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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 4, 11, 18 and 23 June 2020 respectively and no exceedance case was recorded between 2300 and 0700 of the next day during the reporting month.

7.2 Complaints, Notification of Summons and Prosecution

- 7.2.1 No complaint cases was received during the reporting period.
- 7.2.2 Cumulative complaint log, summaries of complaints, notification of summons and successful prosecutions are presented in **Appendix L.**

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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

No specific observation was identified in the reporting month.

Construction Noise Impact

• No specific observation was identified in the reporting month.

Water Quality Impact

- Please disconnect the washing machine. Zone 3)
- Please clear the sedimentation tank. (Zone 3)
- Please provide sedimentation tank. (Zone 1 S/B)
- Please be reminded that the flooding area shall be cleared after rain. (TKO works area B)
- Sedimentation tank shall be cleared. (Zone 3)
- U-channel shall be cleared. (Zone 3)
- Mitigation measure shall be provided to prevent water leakage. (Zone 4)
- Mitigation measure shall be provided to prevent sand and water leakage. (Zone 4)

•

Chemical and Waste Management

- Drip tray shall be cleared. (Zone 3)
- Housekeeping. (Zone 4 NF40)
- Chemicals shall be placed in drip tray. (Zone 4 NF 40)
- Empty chemical container shall be cleared. (Zone 4)
- Broken drip tray shall be replaced or repaired. (Zone 5)
- Contaminated sand shall be clear. (Zone 4)

Land Contamination

No specific observation was identified in the reporting month.

Landscape and Visual Impact

• No specific observation was identified in the reporting month.

General Condition

• No specific observation was identified in the reporting month.

Permit / Licenses

No specific observation was identified in the reporting month.

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9. FUTURE KEY ISSUES

9.1 Construction Programme for the Next Month

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

- (1) Pre-drill works in Zone 1, 3, & 5.
- (2) Tree preservation / felling/ pruning/ transplantation in Zone 1, 2, 3, 4 & 5.
- (3) Remedial works for road surface in Zone 1 & 2.
- (4) Sheeting pile Works in Zone 1
- (5) Mini pile Works in Zone 1, 2, 3, 4 & 5.
- (6) Construction/ Diversion of underground utilities in Zone 1, 2, 3, 4 & 5.
- (7) Construction of Pile Cap in Zone 1, 2 & 3.
- (8) Trial Pits Excavation in Zone 3, 4 & 5.
- (9) Noise Barrier Foundation Works in Zone 3 & 5.
- (10) Construction of Temporary Road in Zone 3.
- (11) ELS for Soldier Pile Wall Construction, Pre bored H-pile works and Soldier pile works in Zone3.
- (12) Construction of noise barrier footing foundation in Zone 3.
- (13) Foundation works of footbridge NF66 in Zone 4.
- (14) Cycle Track Diversion Works in Zone 4.
- (15) Noise Barrier Foundation Works and Soil Replacement on Slope in Zone 5.
- (16) Construction of footbridge NF40 staircase structure works and demolition of existing staircases in Zone 4.

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.
- 10.1.3 Regular night time noise monitoring was carried out on 4, 11, 18 and 23 June 2020 respectively and no exceedance case was recorded between 2300 and 0700 of the next day during the reporting month.
- 10.1.4 4 site inspections were carried out on 4, 11, 18 and 23 June 2020. 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.
- 10.1.5 No complaint case was received during the reporting period.

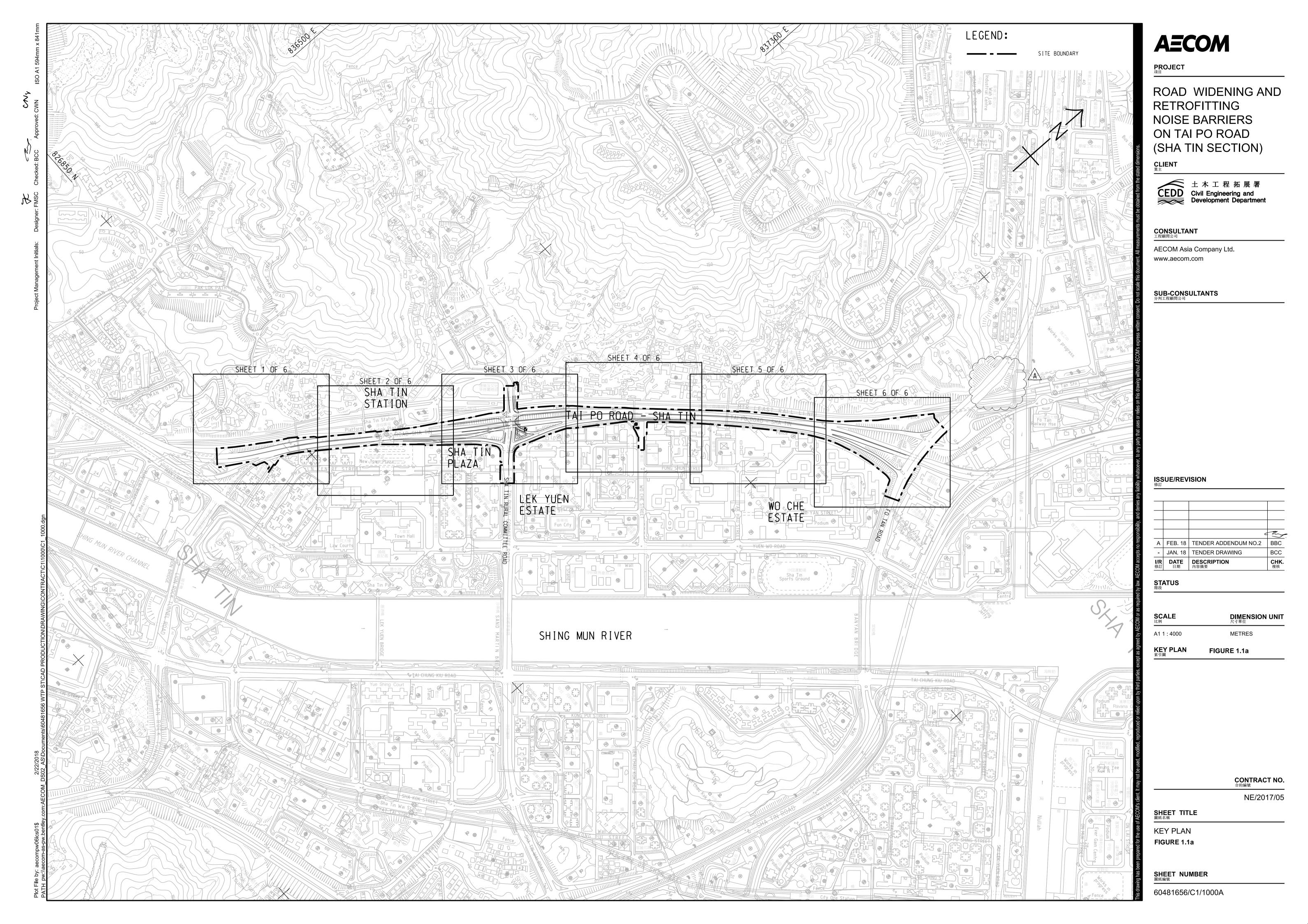
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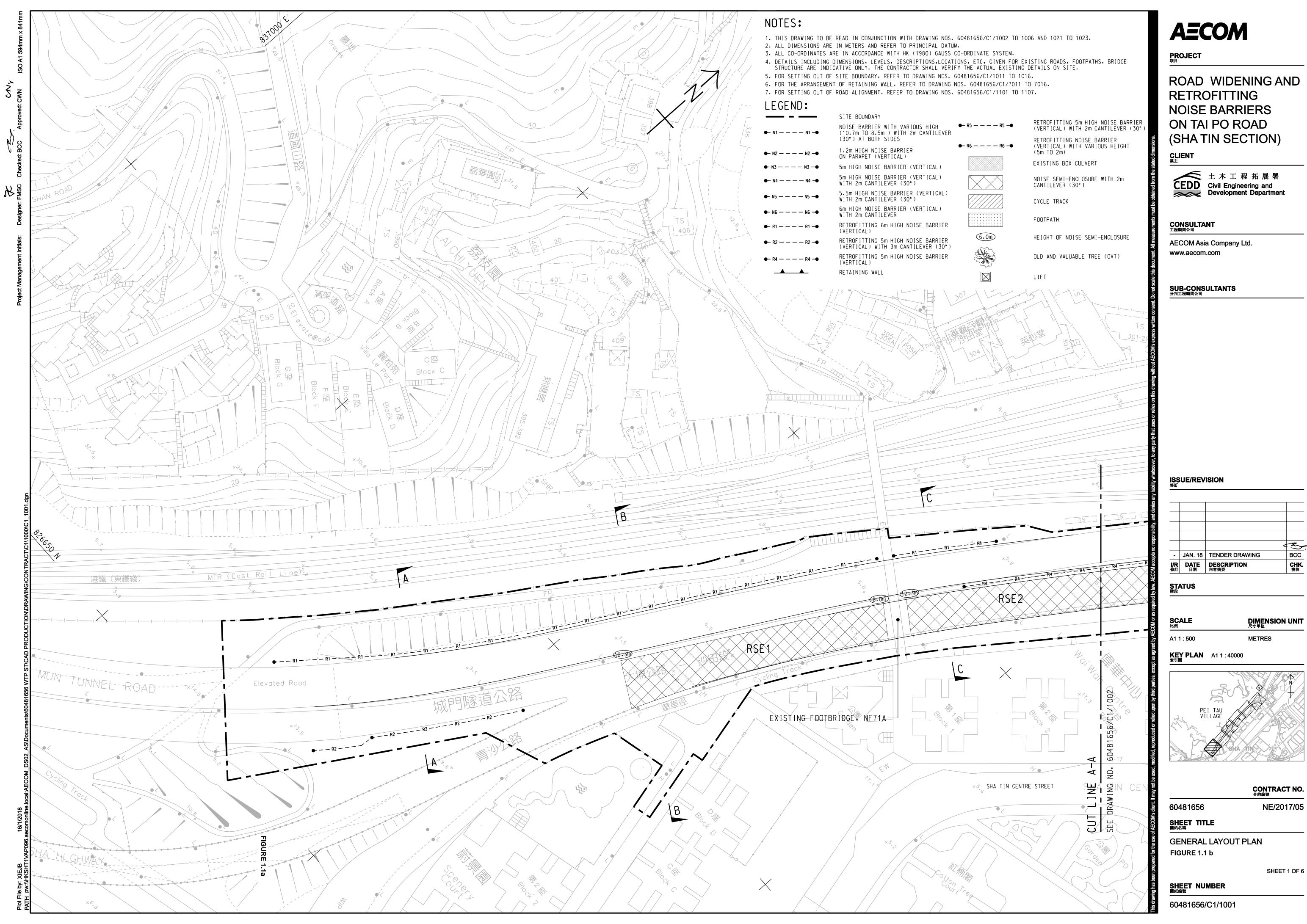
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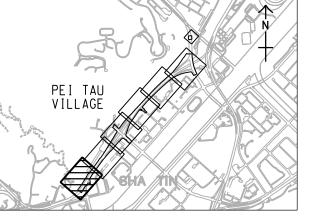


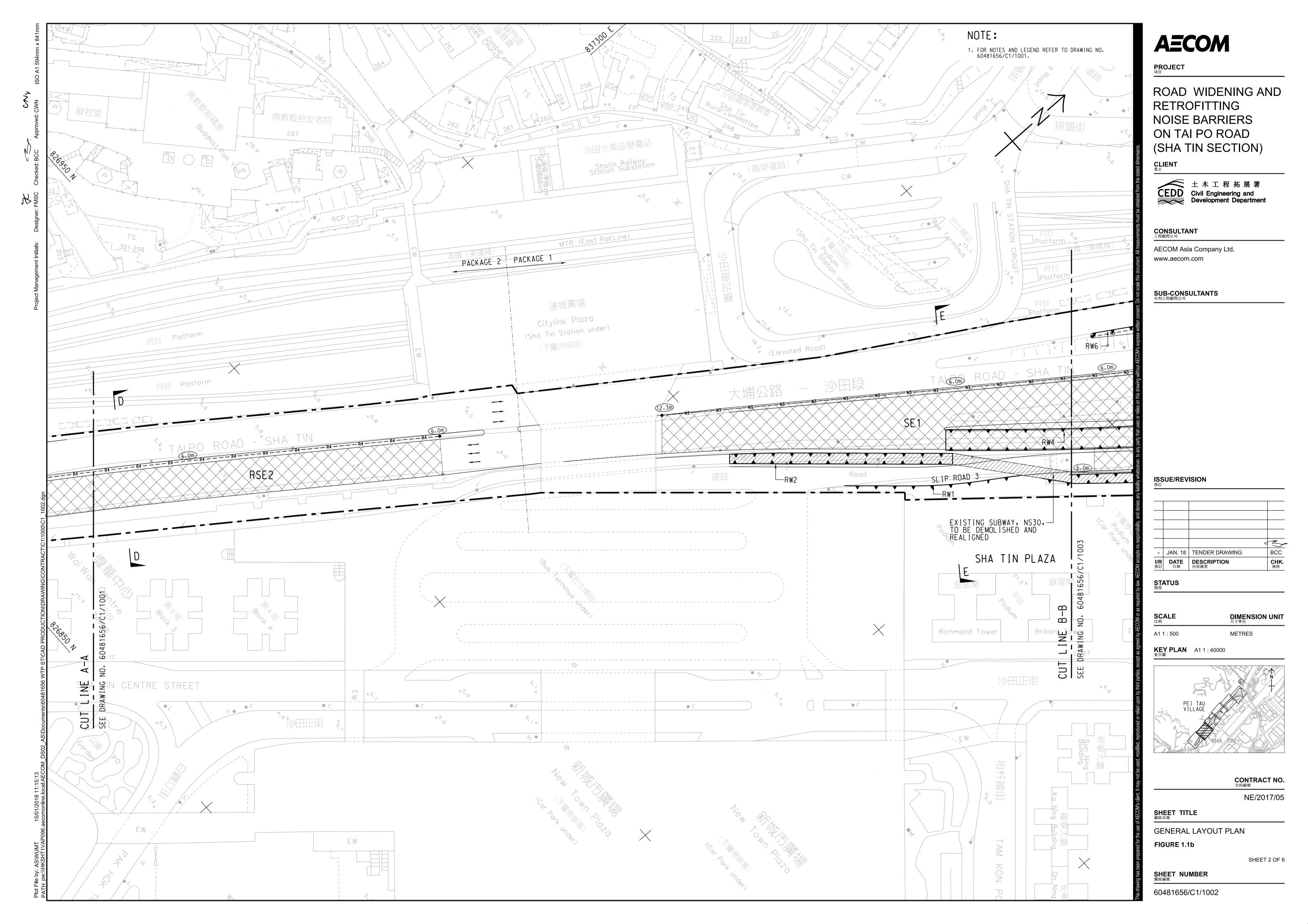
Figure 1

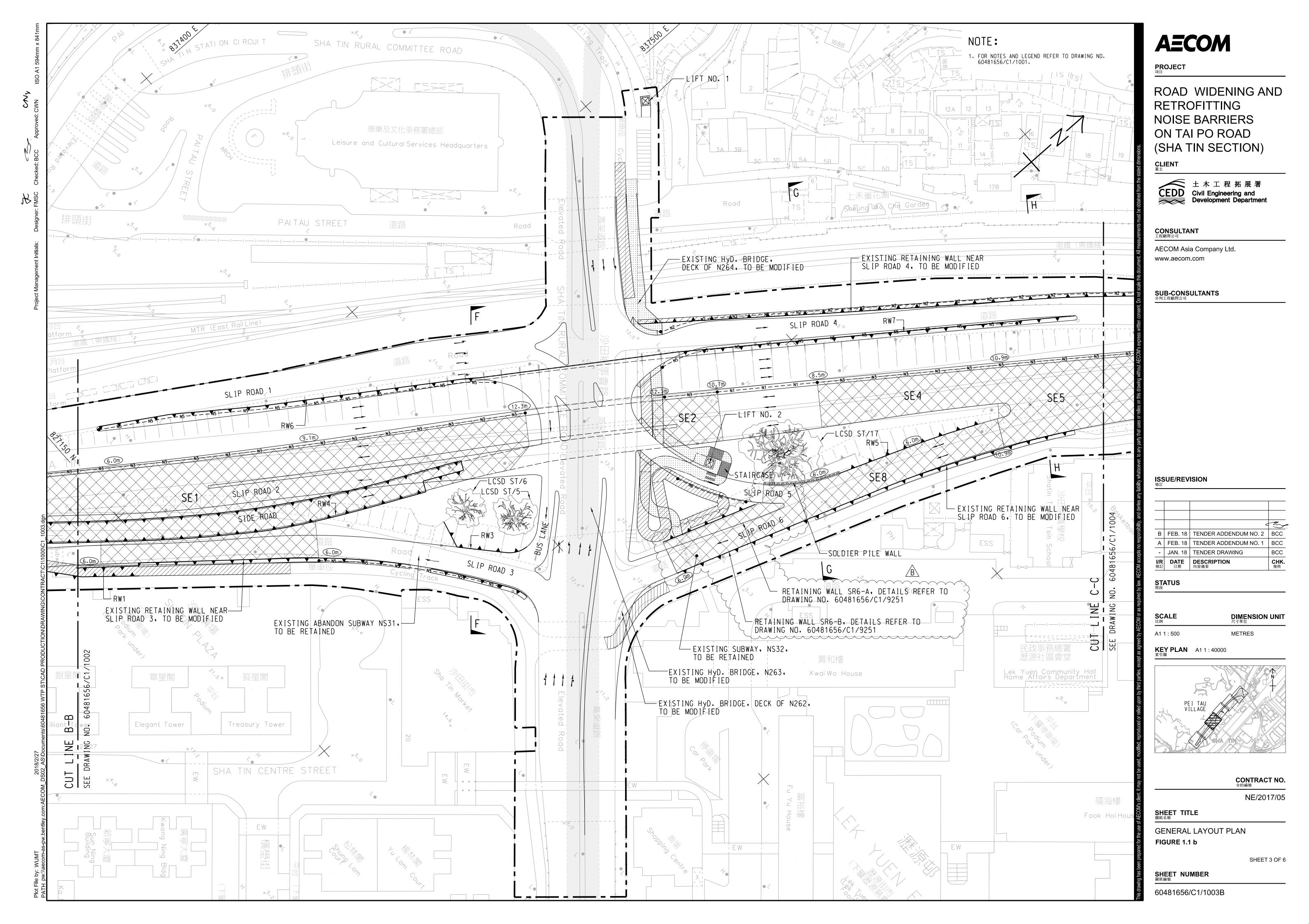
Project General Layout

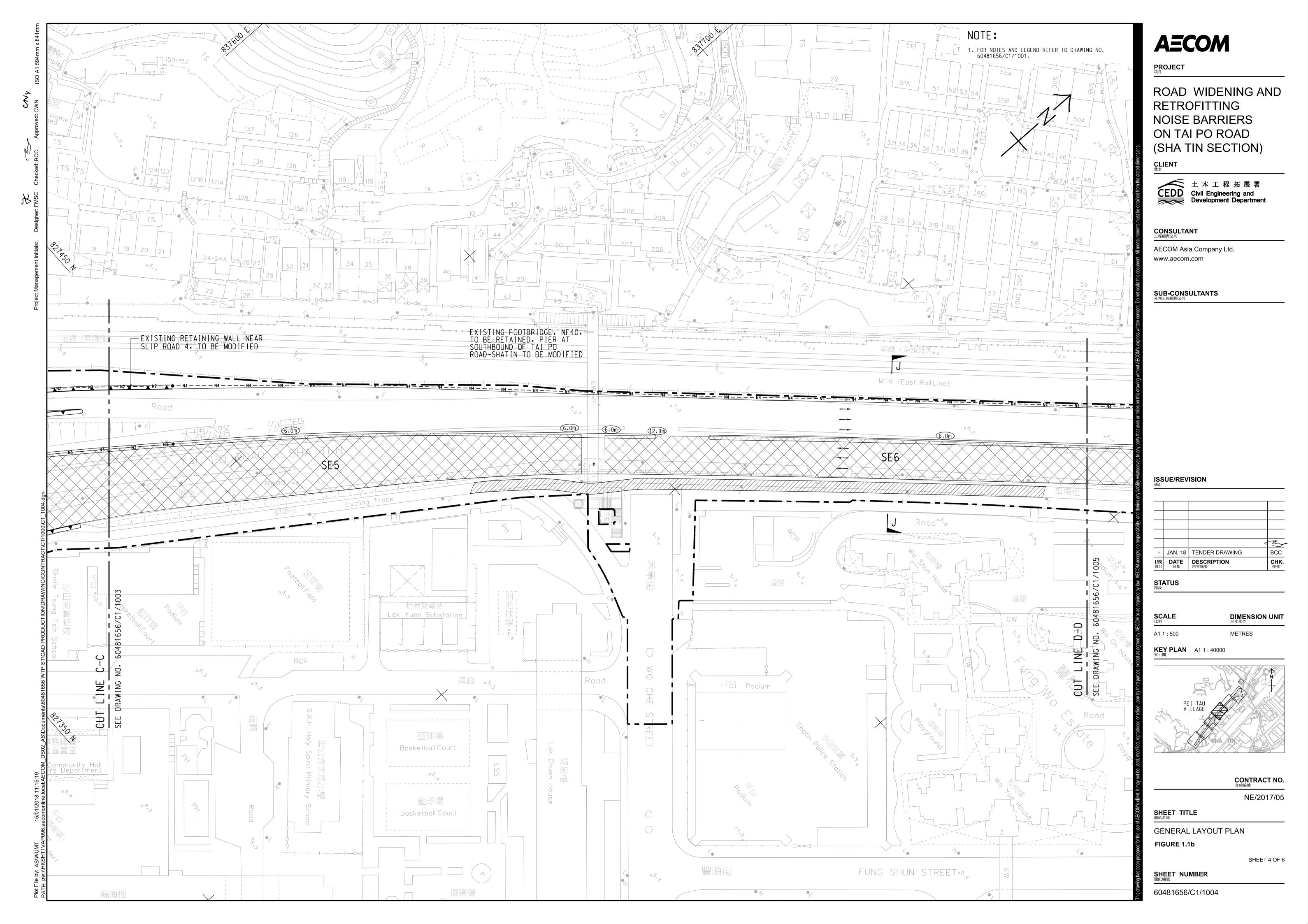


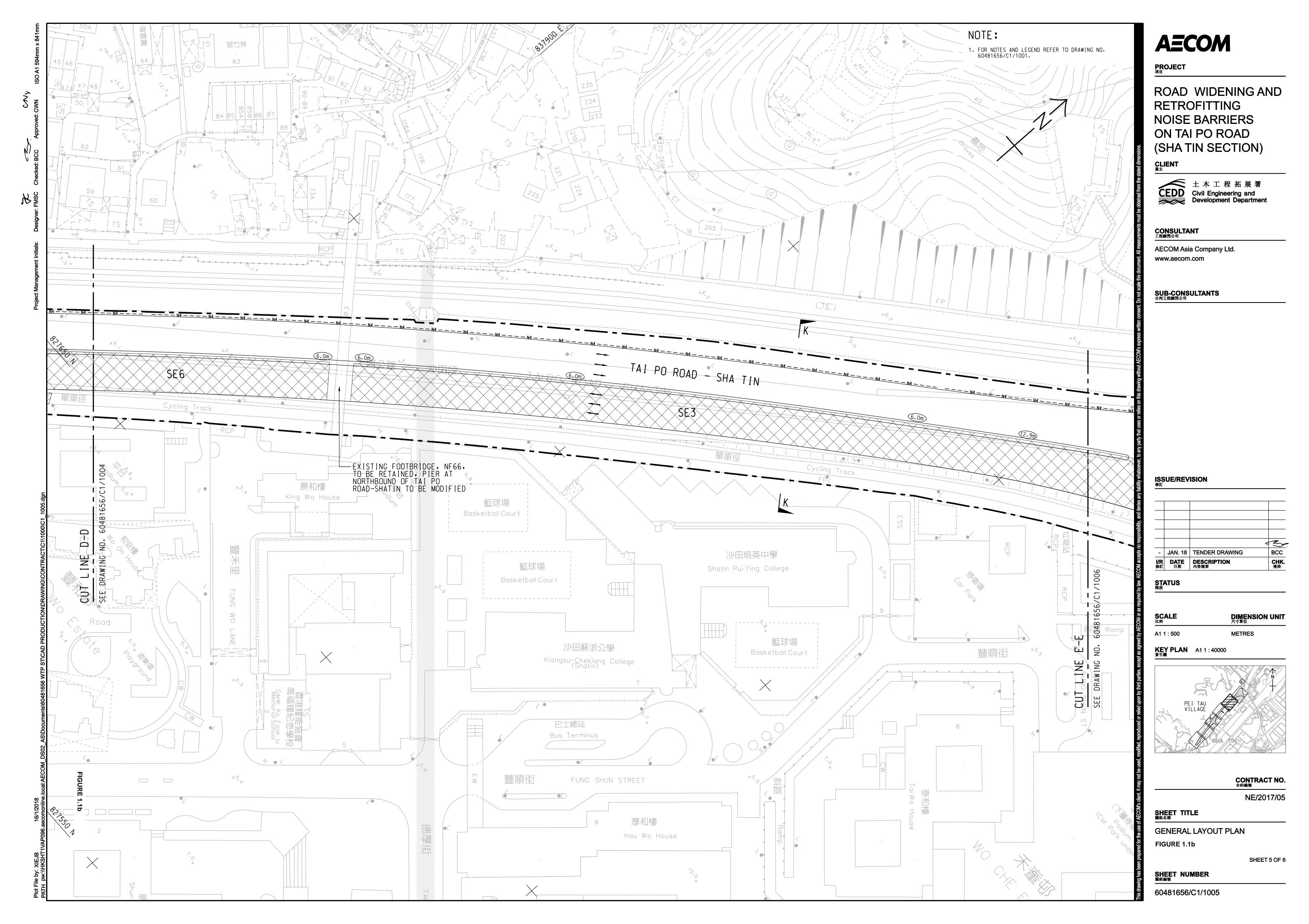


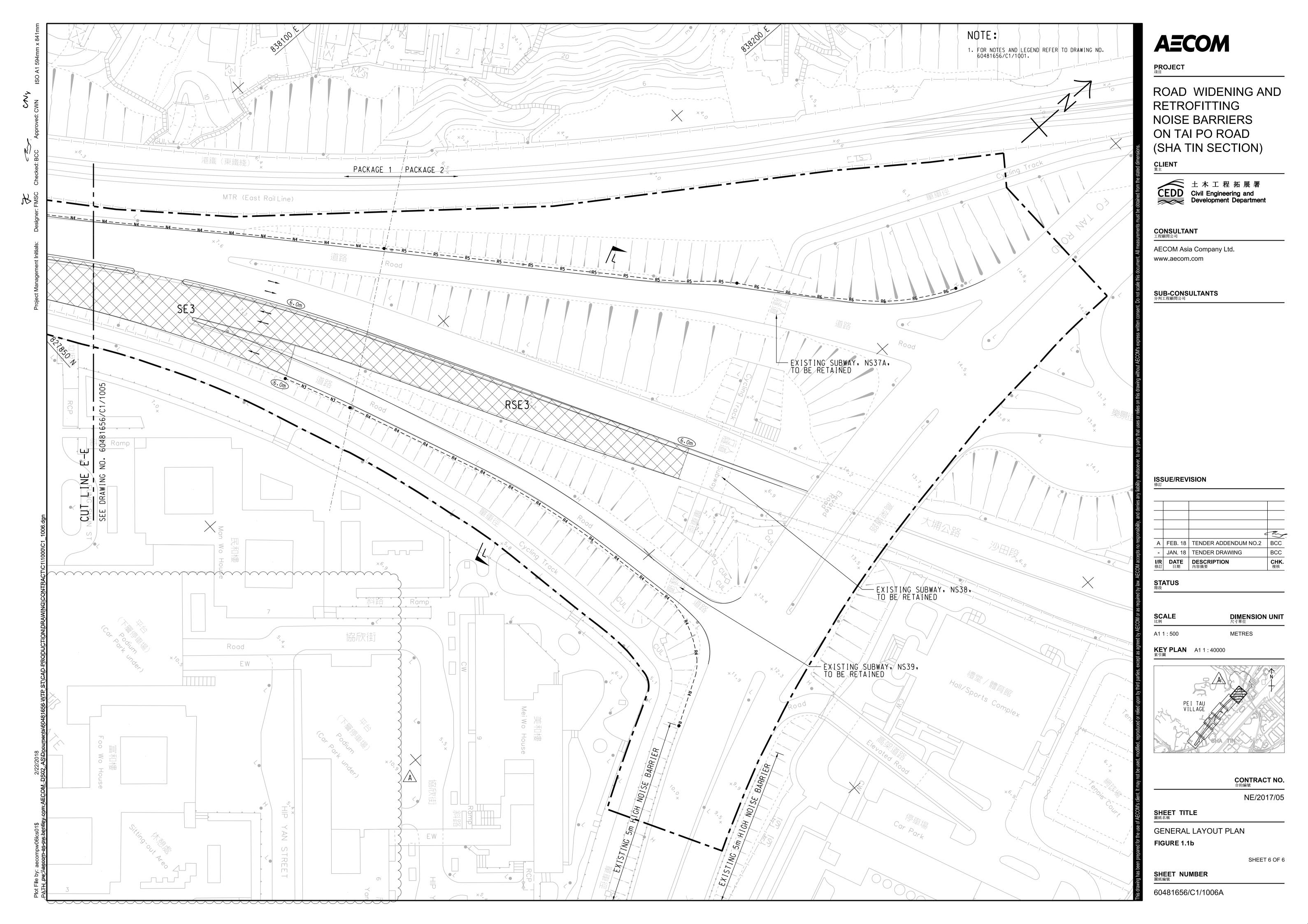












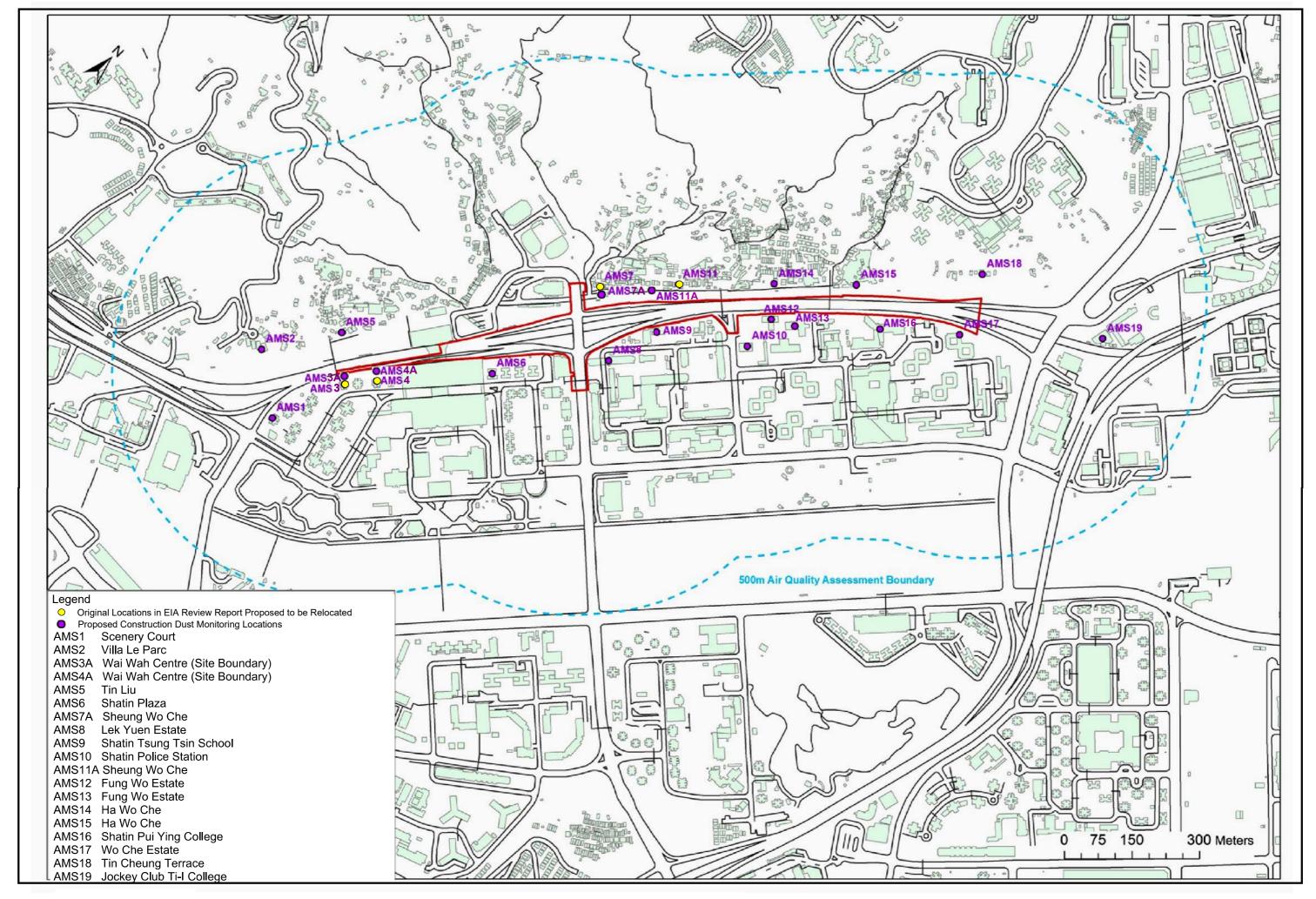
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Figure 2a

Air Monitoring Locations







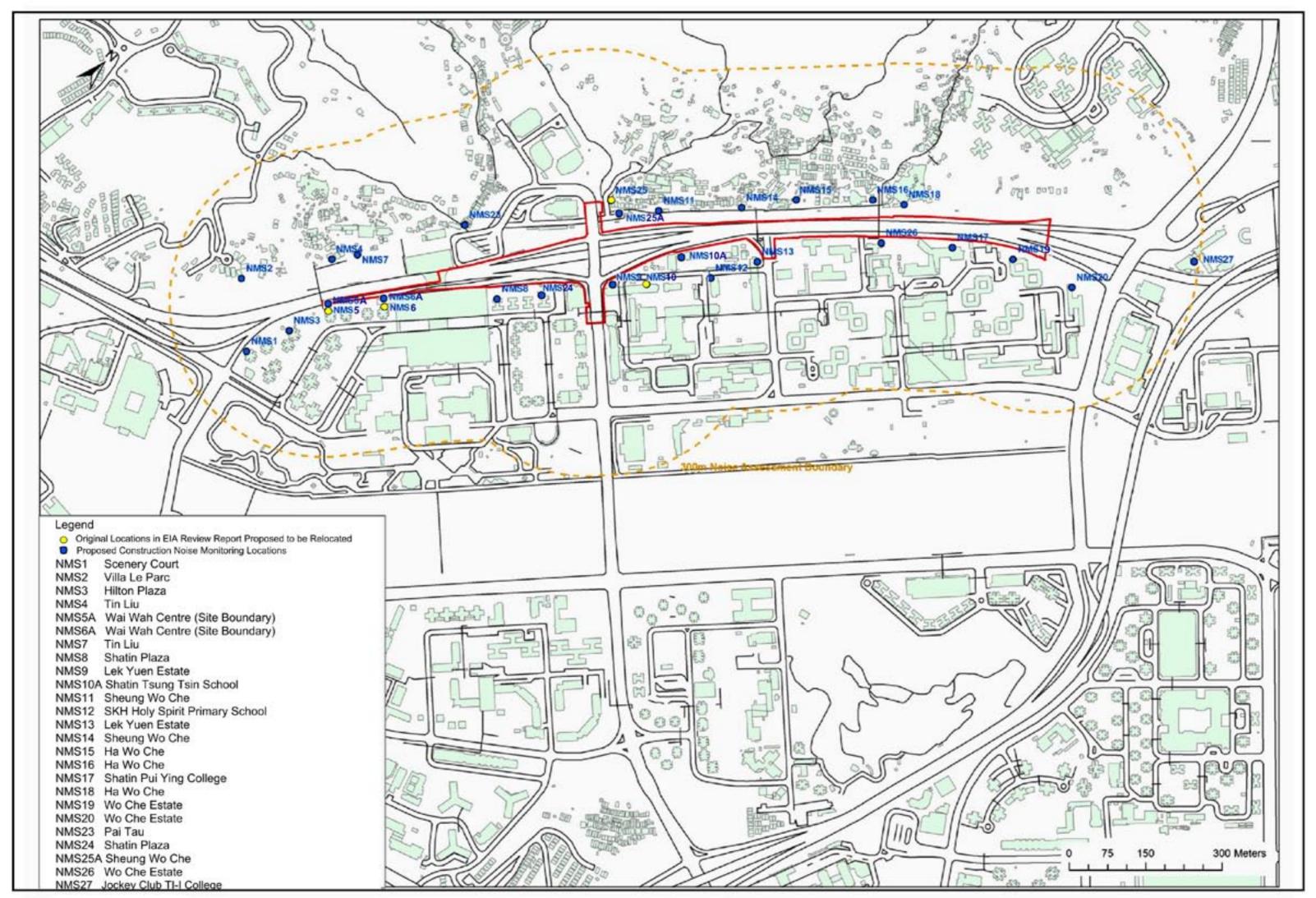
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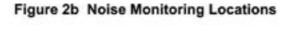
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Figure 2b

Noise Monitoring Locations







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Appendix A

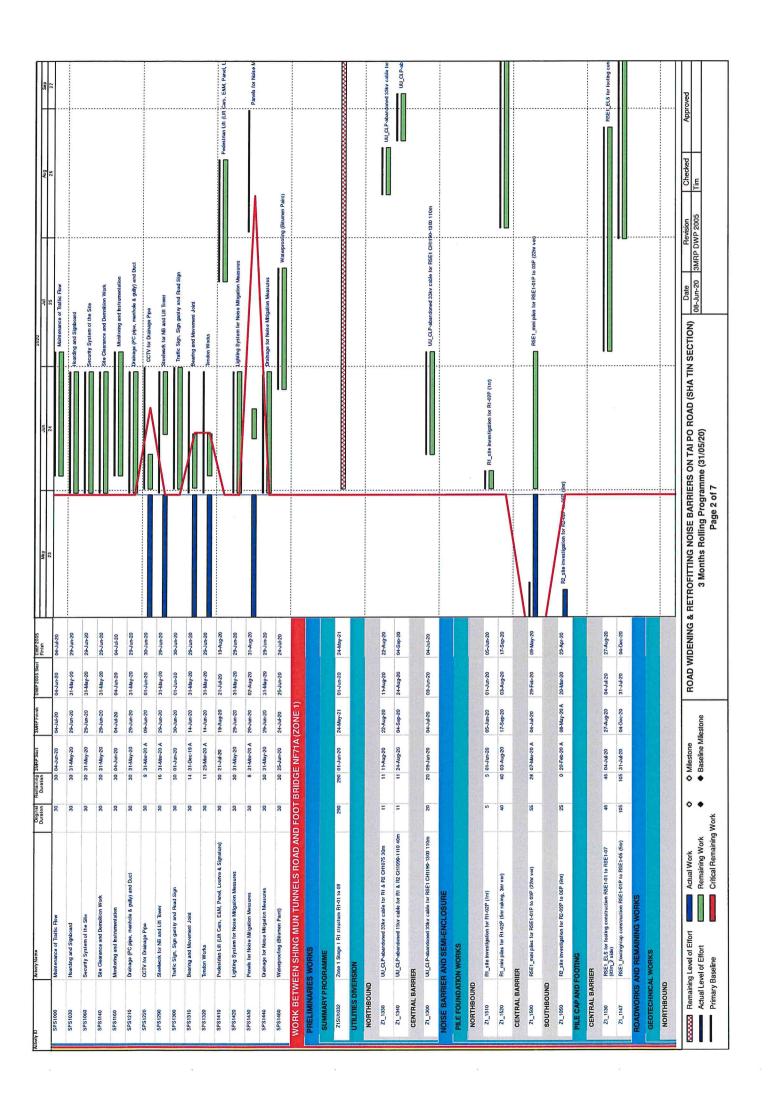
Construction Programme

Lift 1 & 2, Lift 2 Staircase, Cycle Track Ramp & Sign Gantry w/Design Cor 38-Jun-20 Approved cture Design of Noise Mitigation Measures in Zones 4 & 5 w/Design Certificate cture Design of Noise Mitigation Measures in Zone 3 w/Design Certif ition Measures in Zone 3 w/Design Certificate PM Consent for Construction Checked Prepare & submit Design of E&M System (E&M & Road Lighting) w/Design Certificate PM Consent for Construction PM Consent for Construction PM review & comment niny w/Dosign C Date Revision 08-Jun-20 3MRP DWP 2005 Re-submit Foundation Design of Noise Midge 1 & 2, Lift 2 Staircase, Cyclo Track Ramp & Sign Ga Re-submit Supers Re-submit Supe Re-submit Super ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)

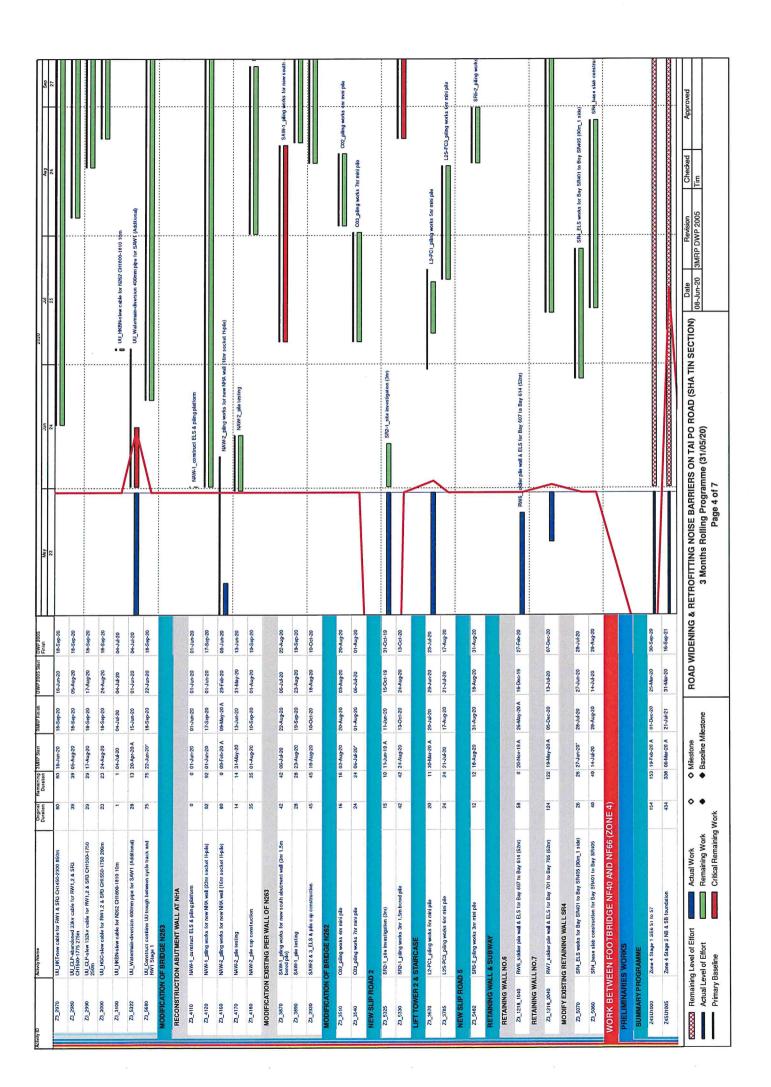
3 Months Rolling Programme (31/05/20)

Page 1 of 7 PM review & cor PM review & cor PM Consent for Con PM Consent for Construction PM review & commen Prepare & submit Foundation Design of Ped ITP's for Lighting Luminaires and System Combined Services Drawings (CSD) **ICSS Configuration Management** PM Consent for Construction Lift Installation - Design Data Re-submit Design of Wate PM review & commer PM review & comment PM Consent for Const All Lighting Designs Contract NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Se 01-Aug-20 07-Aug-20 01-Sep-19 01-Jul-20 03-May-19 01-Aug-20 03-Sep-20 27-Aug-19 04-Aug-20 27-Sep-19 27-Sep-19 08-Aug-20 27-Sep-19 20-Jan-19 27-Feb-19 29-Sep-19 07-Jul-20 07-Jul-20 04-Jul-20 11-Jul-20 04-Jul-20 10-Jul-20 03-Aug-20 31-May-20 31-May-20 31-May-20 31-May-20 31-May-20 31-Aug-19 15-Jun-20 31-Aug-19 20-Jun-20 31-Aug-19 10-Jul-20 31-Dec-18 04-Aug-19 02-Jun-20 04-Jun-20 31-Jan-19 02-Apr-19 31-Jul-19 31-Jan-19 01-Sep-19 15-Jun-20 20-Jun-20 05-Jul-20 08-Jul-20 05-Jul-20 11-Jul-20 17 03-May-19 A 16-Jun-20 07-Aug-20 1 02-Jan-19 A 31-May-20 01-Aug-20 03-Sep-20 11-Jul-20 08-Aug-20 19-Jun-20 1 26-Nov-18 A 31-May-20 1 02-Jan-19 A 31-May-20 13-Jun-20 07-Jul-20 04-Aug-20 13-Jun-20 01-Aug-20 19-Jun-20 03-Jun-20 04-Jul-20 04~Jul-20 10-Jul-20 01-Jul-20 Baseline Milestone 14 07-Aug-19 A 11 11-Mar-19 A 1 13-Apr-20 A 1 06-Nov-18 A 3 02-Jan-19 A 20 07-Aug-19 A 20 07-Aug-19 A 1 25-Jan-19 A 14 12-Jul-19 A Original Remaining 3MRP Start Duration Duration 0 31-May-20" 0 31-May-20* 0 31-May-20" 0 31-May-20* 0 31-May-20* 23 15-Jun-20 20 15-Jun-20 21 20-Jun-20 28 04-Jun-20 35 31-May-20 32 03-Aug-20 Milestone 20 20-Jun-20 28 08-34-20 28 05-Jul-20 28 05-Jul-20 28 11-Jul-20 28 10-Jul-20 28 28 32 STRCR INTERCHANGE MODIFICATION WORKS (Alternative Design) 28 23 28 28 20 28 28 2 28 28 8 21 28 35 Remaining Work
Critical Remaining Work Pe-submit Superstructure Design of Noise Mitgation Measures in Zone 3 w Design Certificate Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Track Rump & Sign Garrty wDesign C Re-submit Foundation Design of Noise Mitigation Measures in Zone 3 w Design Certificate Re-submit Design of Watermain & Irrigation System w Design Certificate Re-submit Foundation Design of Pedestrian Lift 1 & 2. Lift 2 Staircase, Cycle Track Ramp & Sign Gentry w Design Cortific Re-submit Design of E&M System (E&M & Road Lighting) wDosign Certificate Re-submit Superstructure Design of Noise Mitgation Meas in Zone 1.8.2 w Design Certificate Re-submit Superstructure Design of Noise Mitgation Mea: in Zones 4 & 5 w/Design Certificate Prepare & submit Design of E&M System (E&M & Road Lighting) wDesign Certificate Actual Work PRELIMINARIES & GENERAL REQUIREMENT SUBLETTING & PROCUREMENT SCHEDULE TP's for Lighting Luminaires and System Combined Services Drawings (CSD) TCSS Configuration Management Lift Installation - Design Data PM Consent for Construction PM Consent for Construction PM Consent for Construction PM Consent for Construction PM Consoni for Construction PM Consent for Construction PM Consent for Construction PM Consent for Construction PM Consent for Construction PM review & comment PM review & comment PM review & comment PIM review & comment PM review & comment PM review & comment KXXXXX Remaining Level of Effort All Lighting Dosigns Actual Level of Effort DESIGN SUBMISSION DES1580 SUB1347 DES1510 SUB1405 DES1390 DES1500 DES1530 DES1540 DES1570 SUB1410 DES1070 DES1150 DES1250 DES1300 DES1310 DES1350 DES1370 DES1380 SUB1403 DES1230 DES1260 DES1270 DES1290 DES1330 DES1340 DES1470 DES1480 DES1490 DES1560

Primary Baseline

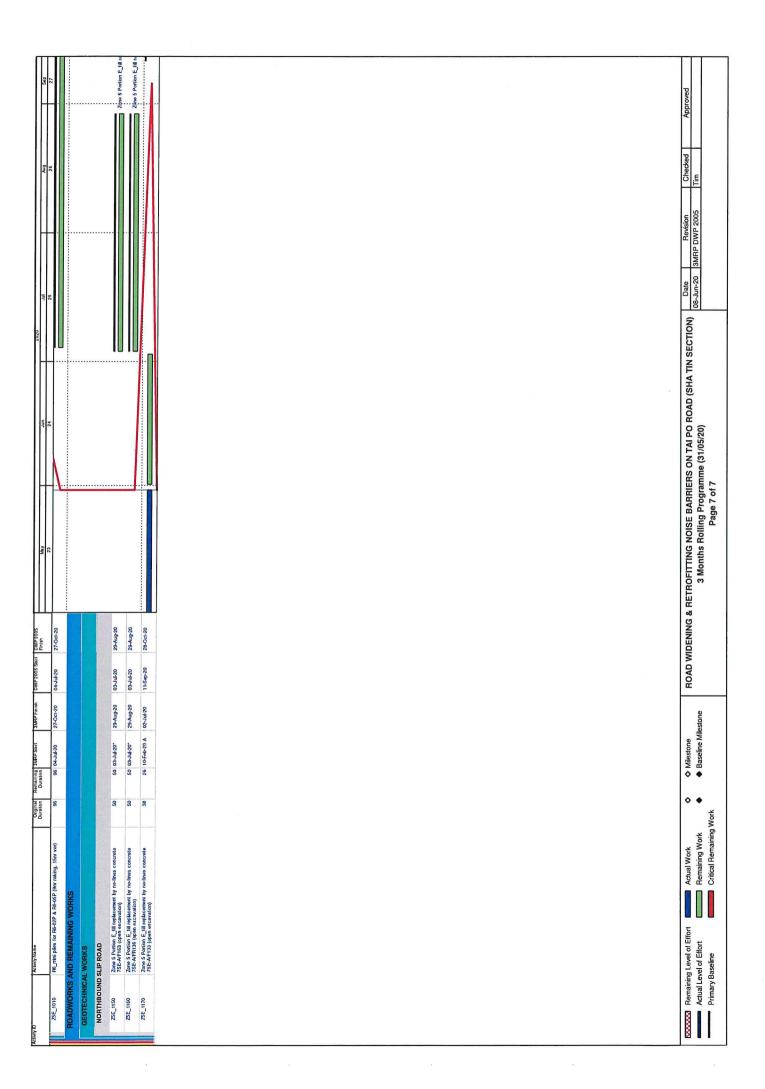


Activity ID Activity Name	Original Remaining 3MHP Start 3MHP Finish Duration	DWP 2005 Sart DWP 2005	1	nzaz	
		٦	23	July July Aug	Sep 27
21_1320 Color 1 III replacement by no-times concrete 75W-DFF156 (open excavation) NB_R1	52 52 01-Jun-20" 01-Aug-20	01-Jun-20 01-Aug-20		Zone 1_III replacement by no-lines con	ncrete 7SW-DIFF156 (open excava
OUND					
Z1_1310 Zone 1, fill replacement by no-lines concrete 73W-D/F454 (pit by pit) 78_F2	16 16 03-Aug-20 20-Aug-20	03-Aug-20 20-Aug-20		Zone	Zone 1_fill replacement by no-lines cor
WORK BETWEEN FOOT BRIDGE NF71A AND CITYLINE PLAZA (ZONE 2)	NE PLAZA (ZONE 2)	_			
PRELIMINARIES WORKS					
SUMMARY PROGRAMME			\		
Z2SU1000 Construction Zone 2_Stage 1 RSE2 CM foundation	594 368 10-Jul-19 A 25-Aug-21	08-Aug-19 10-Aug-21			
NOISE BARRIER AND SEMI-ENCLOSURE					
PILE FOUNDATION WORKS					*****
CENTRAL BARRIER					
22 1010 RSE2 mil ples for RSE2-01F, 03P to 15P 67nr raking 59nr	195 12-Jan-20 A 03-Dac-20	26-Marcon 20-Moscoo			
Ver)					
TILE CAP AND FOOTING			/		
L BARR			/		
ZZ_1040 RSE2_ELS for footing/cap construction RSE2-01 to RSE2-15P (174m_2 side)	96 96 28-Aug-20 22-Dec-20	28-Aug-20 22-Dec-20			
WORK BETWEEN CITYLINE PLAZA AND FOOTBRIDGE NF40 (ZONE 3)	GE NF40 (ZONE 3)				
PRELIMINARIES WORKS					
SHMMARY PROGRAMME					
The Process of The Party of The					
	VELADALON ISC				000000000000000000000000000000000000000
Z3SU5030 Zone 3b (near SP6) Stage 1 Construct N263 & N264 foundation	393 340 20-May-19 A 23-Jul-21	31-Jul-19 23-Nov-20			
Z3SU5040 Zone 3b (SB near SR6) Stage 1 Construct Lift Tower 2	256 347 30-Mar-20 A 31-Jul-21	29-Jun-20 11-May-21			
Z3SU5050 Zone 3b (near SR6) Stage 1 SE5, SE6, SR6 foundation and	323 435 21-Feb-20 A 15-Nov-21	29-Feb-20 31-Mar-21			
Z3SU5070 Zone 3b (near SH6) Stage 3 Construct SH5 & remaining	693 693 18-Aug-20 15-Dec-22	18-Aug-20 15-Dec-22			
				0000000	***************************************
ZSSUSTION Zone 3c (near SH2) Stage 1 construct NS30, HW1, SH2 toundation & RW3	311 626 11-Jun-19 A 11-Jun-22	16-Sep-19 30-Sep-20			***************************************
UTILITIES DIVERSION					
SOUTHBOUND					
Z3_2900 UJ_CLP-abandoned 33kv cable for SES & SE6 CH2090-2175 85m.	17 17 05-Jun-20 24-Jun-20	05-Jun-20 24-Jun-20		UJ_CLP-strandoned 33kv cable for SE5 & SE6 CH2090-2175 85th	
NOISE BARRIER AND SEMI-ENCLOSURE					
PILE FOUNDATION WORKS					
SOUTHBOUND					
	5 16-Jun-20			SEI-5_site investigation for SIE5-51 (1m)	
	5 22-Jun-20		1	SEI-6_sile investigation for STE6-STP (Int)	
Z3_5640 SE2_mini piles for S2E1-52P (12nr raking, 11nr ver)	56 30 23-Mar-20 A 07-Jul-20	15-Apr-20 24-Jun-20	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	SE2_mini piles for S2E1-52P (12nr raking; 11nr ver)	
SOUTHBOUND SLIP ROAD			/		
Z3_1765 SE8-1_min piles for SR6 1-8 & 2-8 (6nr)	64 64 21-Aug-20 06-Nov-20	21-Aug-20 06-Nov-20			-1-
BRIDGE AND STRUCTURE WORKS					
PRELIMINARIES WORKS					
UTILITIES DIVERSION					
NORTHBOUND					
Z3 2920 UU HKT-diversion cable for RW7 CH1830-2000 170m	34 34 01-Jun-20 11-Jul-20	01-Jun-20 11-Jul-20		mtt nonconestity true od dates nelsombritis	
				The state of the s	
Z2_2930 UU CLP-abandoned 11kv cable for RW7 & SR4 CH1825-1950 125m 125m 125m 125m 125m 125m 125m 2130 11	22 22 01-Jun-20 26-Jun-20 30 0 22-Jul-19 A 15-May-20 A	31-Dc-119 D4-Dac-19		UU_QIP-abandoned 11kv cable for RW7 & SR4 CH1825-1950;125m	
	V61-00-27 0	0-0	UU_Fresh watermain for SR	4 178m 200mm (Stage 1a)	
SOUTHBOUND					
		Olympian de Od	IGUAG TOOLITTING NOISE BAD	Date Revision Checked	Approved
or Errorr fort	Baseline Milestone	ROAD WIDENING	& HELHOFILLING NOISE BARRIERS ON LAI PO 3 Months Rolling Programme (31/05/20)	HOAD (SHA IIN SECTION) 08-Jun-20 3MRP DWP 2005 T	
Primary Baseline Critical Remaining Work	Nork		Page 3 of 7		
			2		



Z4SU1100 Zone 4 NF66 Construction 74SU1110 Zone 4 NF40 Construction	nstruction	000	220 15. Jun. 20		00-11	10.111.01	23	24 25	26 27
		033	02-UNT-51 022	10-Mar-21	15-Jun-20	10-Mar-21	1		
	struction	387	285 12-Oct-19 A	17-May-21	06-Jan-20	28-Apr-21			
PREPARATORY WORKS							/		
MODIFICATION EXISTING ROAD/TEMPORARY ROAD	ND/TEMPORARY ROAD						/		
Ze 1335 Zono 4 & 5_cons	Zono 4 & 5_construct temporary road platform along Northbound	75.	75 02-Jun-20	29-Aug-20	02-Jun-20	29-Aug-20			Zqne 4 & 5_construct
UTILITIES DIVERSION									
NORTHBOUND									
Z4_1290 UU_CLP-abandor	UJ_CLP-abandoned 33kv cable for NA&SE6 CH2150-2160	0	0 26-Jun-20	26-Jun-20	26-Jun-20	26-Jun-20		UU_CP-abandoned 33kv cable for M&SEG CH2150-2160 20th (Abandoned	ভূ
Z4_1300 UU_HKTstew.cat	UU_HKTslew cable for NA & NF66 CP2320-2360 40m	S	5 01-Jun-20	05-Jun-20	01-Jun-20	05-Jun-20		UU_HYTslav cabb for N4 & NFG CH2320-2300 40m	
Z4_1310 UU_HKTslewcd	UU_HATslew cable for SE6 CH2180-2300 120m	Σ	14 09-Jun-20	24-Jun-20	09-Jun-20	24-Jun-20		W_HKT\$10w cub for SE6 CH2180-2300 120m	•••••
Z4_1490 UU_Fresh watern	UJ Fresh watermain for N4 CH2300-2550 250m 600mm (Additional)	105	32 10-Feb-20 A	01-Aug-20	31-Mar-20	08-Aug-20			UU_Fresh watermain for N4 CH2300-2550 250m 600mm (Ad
Z4_1500 UU_Frosh watom	U. Frosh watermain for IM CH2000-2100 100m 200mm (Stage	39	1 06-Mar-20 A	01-Jun-20	31-Mar-20	21-May-20		n UU. Fresh watermain for N4 CH2000-2100 100m 200mm (Stage 2)	
SOUTHBOUND									
Z4_1340 UU_CLP-slew 13	UU_CLP-s lew 132kv cable for NF40 CH2090-2175 85m	10	10 01-Jun-20	11-Jun-20	01-Jun-20	11-Jun-20		UJ_CLP-slaw 132kv cable for N\$40 CH2090-2175 85m	
Z4_1350 UU_CLP-slew 11	UJ_CLP-slew 11kv cable for NF40 CH2120-2150 30m	-	4 01-Jun-20	04-Jun-20	01-Jun-20	04-Jun-20		U_CLP-slow 11k v cable for NF-to CP2120-2j 50 30m	
Z4_1370 UU_Fresh watern	UJ_Fresh watermain for SE6 CH2130-2150 20m	21	21 01-Jun-20	24-Jun-20	01-Jun-20	24~Jun-20		UU_Fresh watermain for SE6 CH2130-2150 20m	
NOISE BARRIER AND SEMI-ENCLOSURE	-ENCLOSURE								
PILE FOUNDATION WORKS									
NORTHBOUND						がを持ちが			
Z4_1510 N4_site investigs	M_site investigation for N4-12 to N4-27 (24nr)	09	0 04-Mar-20 A	22-May-20 A	22-May-20	01-Aug-20		sts_M	M_site investigation for N4-12 to N4-27 (24nr)
Z4_1520 N4_mini piles for	M_mini piles for M4-12 to M4-27 (108nr ver)	144	144 18-Jul-20	06-Jan-21	18-Jul-20	08-Jan-21			
SOUTHBOUND									••••
Z4_1110 SE6_site investi	SE6_site investigation for S6E1-51P (2nr)	10	0 19-Feb-20 A	06-May-20 A	25-Mar-20	07-Apr-20	SE6_site investigation for S6E1-51P (2nr)		•••••
Z4_1120 SEG_mini pilos fo	SEG_mini pilos for SGE1-51P (10nr ver)	40	40 26-Jun-20	12-Aug-20	26-Jun-20	12-Aug-20			SE6_mini piles for S6E1-51P (10nr ver)
Z4_1530 SE6_site investi	SE6_site investigation for S6E1-58 to S6E1-69 (15nr)	35	0 18-Mar-20 A	04-May-20 A	09-714-20	19-Aug-20			SE6_site investigation for S6E1-58 to S6
PILE CAP AND FOOTING									
SOUTHBOUND									
Z4_1122 SE6_ELS for foo (86m_2 side)	SE6_ELS for footing/cap construction S6E1-51P to S6E1-57 (86m_2 side)	8	48 26-Jun-20	21-Aug-20	26-Jun-20	21-Aug-20			SE6_ELS for loding/cap constructi
Z4_1126 SE6_footing/cap	SE6_looling/cap construction S6E1-51P to S6E1-57 (7nr)	84	64 22-Aug-20	01-Dec-20	22-Aug-20	01-Dec-20			
BRIDGE AND STRUCTURE WORKS	WORKS								
MODIFICATION WORKS FOR NF40	NF40								
NF40_1000 Construct new staircase	laircase	120	18 12-Oct-19 A	20-Jun-20	06-Jan-20	03-Jun-20		Construct new staticase	
NF40_1010 Demolish existing staircase	gstaircase	45	45 22-Jun-20	14-Aug-20	22-Jun-20	14-Aug-20			Demolish existing staircase
NF40_1080 Construct pile ca	Construct pile cap & part of new column	3	60 15-Aug-20	27-Oct-20	15-Aug-20	27-Oct-20			
MODIFICATION WORKS FOR NF66	NF66								
NF66_1000 ELS & footing construction	onstruction	40	40 15-Jun-20*	01-Aug-20	15-Jun-20	01-Aug-20		ELS & I	ELS & footing construction
NF66_1020 Construct the no	Construct the new column & columnhead	09	60 03-Aug-20	13-Oct-20	03-Aug-20	13-Oct-20			
BETWEEN FOOT	WORK BETWEEN FOOTBRIDGE NF66 AND FO TAN ROAD (ZONE 5)	ROAD (ZO	NE 5)						
PRELIMINARIES WORKS									
SUMMARY PROGRAMME									
ZSSU1000 Zone 5 Stage 1	Zone 5 Stage 1 SE3-2 SB foundation	291	351 15-Feb-20 A	05-Aug-21	29-Feb-20	22-Feb-21			
ZSSUI005 Zone 5 Stage 2	Zone 5 Stage 2 NB & SB foundation	467	358 10-Feb-20 A	13-Aug-21	31-Mar-20	28-Oct-21		************	***************************************
Remaining Level of Effort Actual Level of Effort	fort Actual Work	۰ •	 ♦ Milestone ♦ Baseline Milestone 	iestone	ROAD W	NIDENING	& RETROFITTING NOISE BARRIERS ON TAI PO 3 Months Rolling Programme (31/05/20)	ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION) 3 Months Rolling Programme (31/05/20)	Checked Approved
Primary Baseline	Critical Remaining Work						Page 5 of 7	2.1	

des finy let over	25 26 27	220000000000000000000000000000000000000		7.00 E., Continue transcription and deliction also attacks	Zone 5-1 Constituct temporary foad patricina along feombound			ı	UL CID-staw 128/v cable for HI CIESO0-2559 50m	MOLOS CASA CARDE IOL NA CASA CARDE IOL NA CASACA TO	U_TACKERW GIBB 101 NG VECA 72-20-0 Dan U_TACK	UU CLP-dandoned 33W cable for MA SE3 CR840 30m	re-dro (n)	UL_HGC-Jelen cable for SES CH2459-2525 75m	ULJ KT slow cab lor SES \$12075-2810 135m	UL_Fresh watermain for FM C/P2459-2569 63m 600mbh		UL HSC-slew eable for R4 CH																				UL Fresh kalemain for RS & RS CP2/50-2845 115m 150mm				P6_sile investigation for RP-CPP (Enr)	ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION) 3 Months Rolling Programme (31/05/20)	Page 6 of 7
WP 2005 Nay	16-Mar-22			25-Jul-20	24-Aug-20			10- Jun-20	04-7uF20	15-701-20	01-Aug-20	12-Jun-20	04-Sep-20	29-Jun-20	14-Jul-20	01-Aug-20		24-Aug-20				08-Oct-20		17-Oct-20	31-Dec-20		10-Sep-20			-Dec-20					20~11-21			24-Jul-20				07-Jul-20	ENING & RETROFITTING NOISE BA	Page
DWP 2005 Start DWP 2005	25-Aug-20 16			02-Jun-20 25				04-100-20				01-Jun-20 12	19-Aug-20 04	13-Jun-20 23	24-Jun-20 14	20-Jun-20 01		10-Aug-20 24				03-Aug-20 08		15-Jul-20	04-Aug-20 31		25-Aug-20 10			28-Aug-20 14-					01-Jun-20 20			01-Jun-20 24				01-Jun-20 07	ROAD WID	
AP Start 3MRP Finish	Aug-20 16-Mar-22	T		Jun-20 25-Jul-20	Jul-20 24-Aug-20			6 04-Jun-20				Jun-20 12-Jun-20	Aug-20 04-Sep-20	9 13-Jun-20 23-Jun-20		Jun-20 01-Aug-20		Aug-20 24-Aug-20				Aug-20 08-Oct-20		68 05-May-20 A 03-Oct-20	Aug-20 31-Dec-20		15 25-Aug-20 10-Sep-20			Aug-20 14-Dec-20					Jun-20 20-Jul-21			Jun-20. 24-Jul-20				15 11-May-20 A 17-Jun-20	♦ Milestone♦ Baseline Milestone	
Original Remaining 3MRP Start Duration	462 462 25-Aug-20			45 02-Jun-20	21 27-Jul-20			6 6 04			ĺ	11 01-Jun-20	15 19-Aug-20	9 9 13-	16 16 24-Jun-20	35 20-Jun-20		13 10-Aug-20				56 03-Aug-20		90 89 08-	124 124 04-Aug-20		15 15 25-			89 89 28-Aug-20					337 337 01-Jun-20			45 45 01-Jun-20.				30 15 114	۰.	×
Activity Name Or Du	ZSSU1007 Zone 5 Stage 2 SB slip road foundation	PREPARATORY WORKS	MODIFICATION EXISTING ROAD/TEMPORARY ROAD	ZS_1720 Zone 5-1_construct temporary road platform along Northbound	Z5_1730 Zone 5-1_remove existing central barrier	UTILITIES DIVERSION	NORTHBOUND	75_1610 UJ CLP-slew 132kv cable for NJ CP2509-2550 50m		Z5_1630 UU_HGC-slew cable for N4 CH2575-2650 75m	Z5_1640 UJ_NWFslew cable for Nt CH2590-2650 70m	Z_1650 U_CLP-abandoned 33hv cable for N4& SE3 CH2640 30m	Z5_1660 UU_CLP-abandoned 11kv cable for SE3 CH2400-2470 70m	Z5_1670 UJ_HGC-slow cable for SE3 CH2450-2525 75m		Z5_1850 UJ_Fresh watermain for N4 CH2450-2560 63m 600mm	OUND	25_1700 UU_HGC-slaw cable for R4 CH2690-2800 110m	NOISE BARRIER AND SEMI-ENCLOSURE	PILE FOUNDATION WORKS	NORTHBOUND	25_1010 NH_mini piles for NH-29 &NH-30P (14nr ver)	SOUTHBOUND	Z5_1170 SE3-1_site investigation for S3E1-51 to S3E1-69 (32nr)	25_1180 SE3-1_mini piles for S3E1-51 to S3E1-69 (122nr ver)	SOUTHBOUND SLIP ROAD	Z5_1290 R4_site investigation for R4-10P & 11P (3nt)	PILE CAP AND FOOTING	NORTHBOUND	Z5_1020 M-ELS for footing/cap construction N4-29 to M-55 (322m_2 side)	PORTION E (ZONE 5)	PRELIMINARIES WORKS	SUMMARY PROGRAMME	TPR NORTHBOUND	PESU1000 Construction Zone 5 Portion E_Northbound structure	UTILITIES DIVERSION	ONNO	Z5E_1180 UU_Fresh watermain for R5 & R6 CH2750-2845 115m 150mm	NOISE BARRIER AND SEMI-ENCLOSURE	PILE FOUNDATION WORKS	SOUND	ZE_1000 R6_site investigation for R6-02P (6nz)	of Effort	Primary Baseline Critical Remaining Work



Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.

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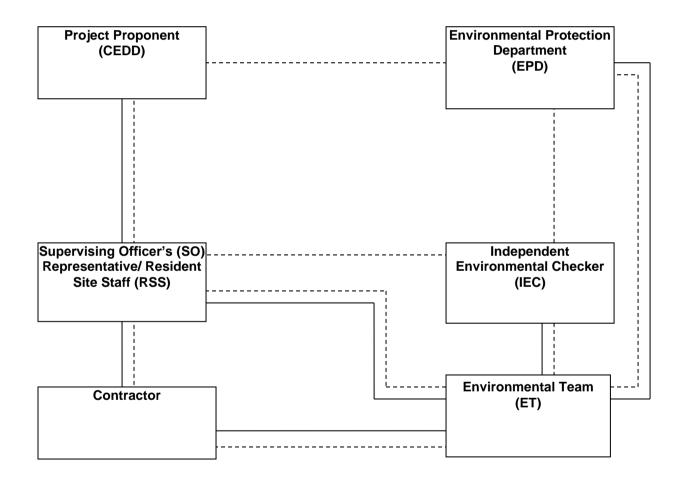


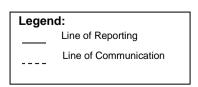
Appendix B

Project Organization Chart

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







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



Appendix C

Action and Limit Levels for Air Quality and Noise

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



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

Parameter	Monitoring Station	Action Level (µg/m³)	Limit Level (µg/ m³)
	AMS 4A	200	
24-hr TSP	AMS 8	161	260
(µg/m³)	AMS 12	168	260
	AMS 17	171	
	AMS 4A	348	
1-hr TSP	AMS 8	336	500
(µg/m³)	AMS 12	296	500
	AMS 17	338	

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 NMS8 NMS9 NMS10A* NMS11 NMS12* NMS15 NMS13 NMS14 NMS15 NMS16 NMS16 NMS17* NMS18 NMS19 NMS20 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(2) Page 1 of 1

CALIBRATION CERTIFICATE OF DUST METER

Client : Fugro Technical Services Limited

Project : Calibration Services

Client Supplied Information

Details of Unit Under Test, UUT

Description : Laser dust monitor

Manufacturer : SIBATA
Model No. : LD-5R
Serial No. : 620480
Specification Limit : NA

Next Calibration Date : 11-Jul-2020

Laboratory Information

Description : Reference balance

Equipment ID. : R-053-12

Date of Calibration : 12-Jul-2019 Ambient Temperature : 22 °C

Calibration Location : Calibration Laboratory of FTS

Method Used : 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 location and powered on and off at the same time.

Calibration Results:

Reference concentration (mg/m³)	Total count for 1 hour	CPM (Count per minute)
0.0678	2272	37.87
0.0424	1453	24.22
0.0364	1073	17.88

Remarks:

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

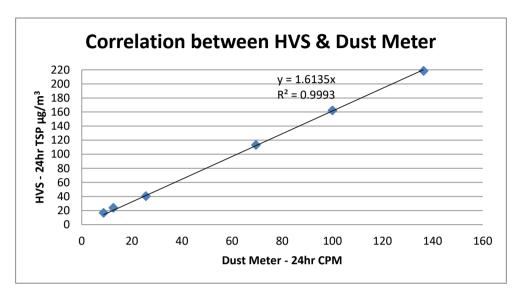
2. The interpolation equation : Concentration $(mg/m^3) = K \times [UUT reading (CPM)], where K = 0.001833$

3. Correlation coefficient (r): 0.9910

Correlation between HVS & Dust Meter

Model: Sibata LD-5R Serial No: 620480

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



K factor = 1.614

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Report no.: 940891CA195965(4)

Page 1 of 1

CALIBRATION CERTIFICATE OF DUST METER

: 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.

: 620407

Specification Limit

: NA

Next Calibration Date : 11-Jul-2020

Laboratory Information

Description

: Reference balance

Equipment ID.

: R-053-12

Date of Calibration

: 12-Jul-2019

Ambient Temperature : 22 °C

Calibration Location: Calibration Laboratory of FTS

Method Used

: 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 location and powered on and off at the same time.

Calibration Results:

Reference concentration (mg/m³)	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):

Checked by :___

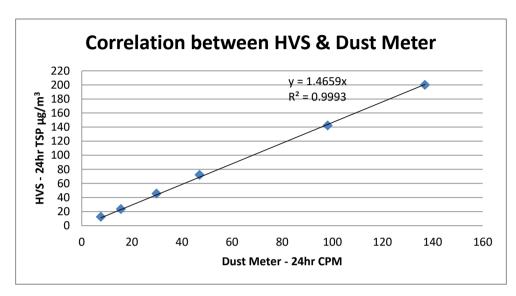
Cung Date: 19-7-2019 Certified by: CT. Loung Date: 20.7-2019

CA-R-297 (22/07/2009)

Correlation between HVS & Dust Meter

Model: Sibata LD-5R Serial 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



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

Report no.: 940891CA200109

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.

: 882147

Specification Limit

: NA

Next Calibration Date : 09-Oct-2020

Laboratory Information

Description

: TSP high volume air sampler

Serial No.

: 4350

Date of Calibration : 10-Oct-2019

Ambient Temperature : 28 °C

Calibration Location: Ma Wan A1 Site Boundary

Method Used

: 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 location and powered on and off at the same time.

Calibration Results:

Reference concentration (mg/m³)	Total count for 1 hour	CPM (Count per minute)
0.1047	2477	41.28
0.0623	2121	35.35
0.0587	2073	34.55

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 = 0.002030

3. Correlation coefficient (r):

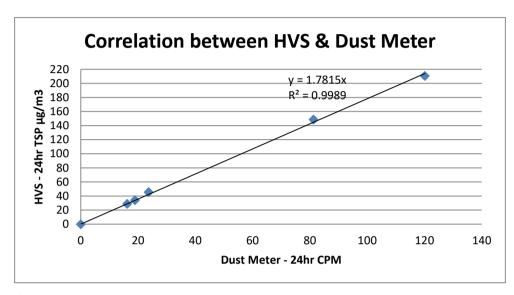
0.9993

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

Correlation between HVS & Dust Meter

Model: Sibata LD-5R Serial No: 882147

HVS - 24hr TSP μg/m ³	28.99	34.06	45.57	148.63	210.59
Dust Meter - 24hr CPM	16.2	18.9	23.7	81.23	120.11



K factor = 1.782



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

: 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

: 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 location and powered on and off at the same time.

Calibration Results:

Reference concentration (mg/m³)	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

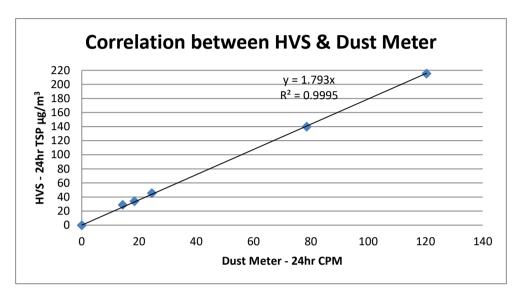
3. Correlation coefficient (r): 0.9906

Date: 17-12-2019 Certified by:____ Checked by: CA-R-297 (22/07/2009) Leung Kwok Tai (Assistant Manager)

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

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.

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



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CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client: Fugro Technical Services Ltd.

Address: Room 723 & 725, 7/F., Block B Profit Industrial Building, 1-15 Kwai Fung Crescent, Kwai Chung, N.T.

Project: Calibration Services Details of Unit Under Test, UUT

Description

Sound Level Meter

Manufacturer

Casella

Model No.

Serial No.

Preamplifier Meter Microphone CEL-63X CE-251 **CEL-495** 004065 1488289 02789

Next Calibration Date

23-Oct-2020

Specification Limit

EN 61672: 2003 Type 1

Laboratory Information

Details of Reference Equipment -

Description

B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Equipment ID.

R-108-1

Date of Calibration:

24-Oct-2019

Ambient Temperature: 22

Calibration Location:

Calibration Laboratory of FTS

Method Used : By direct comparison

Calibration Results:

Parameters		Mean Value (dB)	Specification Limit		Limit(dB)
	4000Hz	2.1	2.6	to	-0.6
	2000Hz	1.6	2.8	to	-0.4
	1000Hz	0.1	1.1	to	-1.1
A-weighting	500Hz	-3.3	-1.8	to	-4.6
frequency response	250Hz	-8.7	-7.2	to	-10.0
, copenies	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 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 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: 1-11-7019	_ Certified by : _	KT Joung	_Date:_	1.11-2019
CA-R-297 (22/07/200			Lei	ıng Kwok Tai (Assi	stant Man	ager)



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

Report no.: 183057CA200018

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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

Model No.

Serial No.

Meter Microphone Preamplifier CEL-63X CE-251 CEL-495 1488279 03876 002752

Equipment ID

N-52

Next Calibration Date

12-Jan-2021

Specification Limit

EN 61672: 2003 Type 1

Laboratory Information

Details of Reference Equipment -

Description

B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Equipment ID. :

R-108-1

Date of Calibration:

13-Jan-2020

Calibration Location:

Calibration Laboratory of FTS

Ambient Temperature:

°C 22

Method Used

By direct comparison

Calibration Results:

Parameters		Mean Value (dB)	Specification Limit(Limit(dB)
	4000Hz	1.4	2.6	to	-0.6
	2000Hz	1.3	2.8	to	-0.4
	1000Hz	0.0	1.1	to	-1.1
A-weigthing frequency response	500Hz	-3.4	-1.8	to	-4.6
	250Hz	-8.8	-7.2	to	-10.0
	125Hz	-16.3	-14.6	to	-17.6
	63Hz	-26.3	-24.7	to	-27.7
	31.5Hz	-39.0	-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.

CA-R-297 (22/07/2009)

Leung Kwok Tai (Assistant Manager)

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.: 183057CA196305(2)

Page 1 of 1

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client: Fugro Technical Services Ltd.

Address: Room 723 & 725, 7/F., Block B Profit Industrial Building, 1-15 Kwai Fung Crescent, Kwai Chung, N.T.

Project: Calibration Services Details of Unit Under Test, UUT

Description

Sound Level Meter

Manufacturer

Casella

Model No.

Serial No.

Microphone CE-251 CEL-495 CEL-63X 1367959 03395 002712

Next Calibration Date

16-Oct-2020

Specification Limit

EN 61672: 2003 Type 1

Meter

Laboratory Information

Details of Reference Equipment -

Description

B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Equipment ID. :

R-108-1

Date of Calibration:

Ambient Temperature: 22

°C

Preamplifier

Calibration Location:

17-Oct-2019

Calibration Laboratory of FTS

Method Used

By direct comparison

Calibration Results:

Parameters		Mean Value (dB)	Specification Lim		Limit(dB)
	4000Hz	1.4	2.6	to	-0.6
	2000Hz	1.3	2.8	to	-0.4
	1000Hz	0.0	1.1	to	-1.1
A-weighting	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
ø	63Hz	-26.3	-24.7	to	-27.7
18 2	31.5Hz	-39.2	-37.4	to	-41.4
Differential level	94dB-104dB	0.0		± 0.6	3
linearity	104dB-114dB	0.0		± 0.6	3

Remarks:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The equipment does comply with EN 61672: 2003 Type 1 sound level meter for the above measurement.
- 5 The values given in this Calibration Certificate only relate to the 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.

d by : KT Loung Date : 74-10-2019
Leung Kwok Tai (Assistant Manager) Checked by: Aultan Date: 33-10-2019 Certified by: CA-R-297 (22/07/2009)



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

Report no.: 183057CA200482(1)

Page 1 of 1

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client: Fugro Technical Services Limited

Project: Calibration Services Details of Unit Under Test, UUT

Description

Sound Level Meter

Manufacturer

Casella

Model No.

Serial No.

Equipment ID Next Calibration Date :

N-43 22-Mar-2021

Specification Limit

EN 61672-1: 2003 Class 1

Meter

CEL-63X

0873573

Laboratory Information

Description

B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Microphone

CE-251

01163

Equipment ID. :

R-108-1

Date of Calibration:

23-Mar-2020

Ambient Temperature: 22 °C

Preamplifier

CEL-495

004064

Calibration Location:

Calibration Laboratory of FTS

Method Used

By direct comparison

Calibration Results:

Parameters		Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	2.0	2.6	to	-0.6
A-weighing	2000Hz	1.5	2.8	to	-0.4
	1000Hz	-0.1	1.1	to	-1.1
	500Hz -3.6		-1.8	to	-4.6
frequency response	250Hz	-8.9	-7.2	to	-10.0
response	125Hz	-16.3	-14.6	to	-17.6
	63Hz	-26.4	-24.7	to	-27.7
	31.5Hz	-39.4	-37.4	to	-41.4
Differential level	94dB-104dB	0.0		± 0.6	3
linearity	104dB-114dB	0.1		± 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 weighing is fast
- 4. The equipment does comply with EN 61672-1: 2003 Class 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. Any uncertainties quoted 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: 27-3-2020 Certified by: _____ Certified by: _____ Date: 27-3-2020 Leung Kwok Tai (Assistant Manager) CA-R-297 (22/07/2009)



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

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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

Model No.

Serial No.

:

Equipment ID

N/A

Next Calibration Date

21-Nov-2020

Specification Limit

EN 61672: 2003 Type 1

Meter

CEL-63X

2451048

Laboratory Information

Details of Reference Equipment -

Description

B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Microphone

CE-251

02789

Equipment ID. :

R-108-1

Date of Calibration:

22-Nov-2019

Ambient Temperature: 22 °C

Preamplifier

CEL-495

004065

Calibration Location: Calibration Laboratory of FTS

Method Used

By direct comparison

Calibration Results:

Parameters		Mean Value (dB)	Specification Lir		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
Теоропос	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 linearity	94dB-104dB	0.0		± 0.6)
	104dB-114dB	0.0		± 0.6	3

Remarks:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The equipment does comply with EN 61672: 2003 Type 1 sound level meter for the above measurement.

Millian Date: 37-11-2019 Certified by: CA-R-297 (22/07/2009)

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.

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



Report no.: 183057CA195873(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 CEL-120/1)

Serial No.

4358250

Equipment ID

N-33

Next Calibration Date

25-Jul-2020

Specification Limit

EN 60942: 2003 Type 1

Laboratory Information

Description

Reference Sound level meter

Equipment ID. :

R-119-1

Date of Calibration:

26-Jul-2019

Ambient Temperature: 22

Calibration Location: Calibration Laboratory of FTS

Method Used

By direct comparison

Calibration Results:

ound and in the date i		
Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	0.0 dB	±0.4dB
114dB	0.0 dB	±0.40B

Remarks:

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

William Date: 16-7-2019 Certified by: F. Terry Date: 76-7-2019

CA-R-297 (22/07/2009)

Leung Kwok Tai (Assistant Manager)

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.

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



Report no.: 183057CA196350(2)

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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.

2383982

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 Calibration:

24-Oct-2019

Ambient Temperature: 22 °C

Calibration Location: Calibration Laboratory of FTS

Method Used

By direct comparison

Calibration Results:

Parameters (Setting of UUT)	(Setting of UUT) Mean Value (error of measurement)	
94dB	-0.1 dB	±0.4dB
114dB	-0.2 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.

Lewy Date: 1-11-2019 William Date: 1-11-2019 Certified by: Checked by :_ CA-R-297 (22/07/2009) Leung Kwok Tai (Assistant Manager)



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

Report no.: 183057CA200018(1)

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 CEL-120/1)

Serial No.

2383886

Equipment ID

N/A

Next Calibration Date :

12-Jan-2021

Specification Limit

EN 60942: 2003 Type 1

Laboratory Information

Description

Reference Sound level meter

Equipment ID.

R-119-1

Date of Calibration:

13-Jan-2020

Ambient Temperature: 22

°C

Calibration Location: Calibration Laboratory of FTS

Method Used

By direct comparison

Calibration Results:

Gailbration (togatto)		
Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	-0.2 dB	±0.44P
114dB	-0.1 dB	±0.4dB

Remarks:

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

Checked by :	William	Date :	20-1-2020	Certified by :	KITOUNG	Date:	-1-2020
CA-R-297 (22/07/200	9)			Louin	a Kwak Tai (Assist	ant Managar)	

Fugro Development Centre. 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.

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



183057CA196305 Report no.:

Page 1 of 1

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client: Fugro Technical Services Ltd.

Address: Room 723 & 725, 7/F., Block B Profit Industrial Building, 1-15 Kwai Fung Crescent, Kwai Chung, N.T.

Project: Calibration Services Details of Unit Under Test, UUT

Description

Sound Level Meter

Manufacturer

Casella

Model No.

Serial No.

16-Oct-2020

EN 61672: 2003 Type 1

Meter

CEL-63X

1488295

Specification Limit Laboratory Information

Next Calibration Date

Details of Reference Equipment -

Description

B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)

Microphone

CE-251

02809

Equipment ID.

R-108-1

Date of Calibration:

17-Oct-2019

Ambient Temperature: 22

°C

Preamplifier

CEL-495

003921

Calibration Location:

Calibration Laboratory of FTS

Method Used : By direct comparison

Calibration Results:

Parame		Mean Value (dB)	Specification Limit(Limit(dB)
	4000Hz	1.4	2.6	to	-0.6
	2000Hz	1.3	2.8	to	-0.4
	1000Hz	0.0	1.1	to	-1.1
A-weighting	500Hz	-3.4	-1.8	to	-4.6
frequency	250Hz	-8.7	-7.2	to	-10.0
response	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.
- 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.

: _____ P. T. Toung_ Date : ____ 2 V - 10 - 20 19 Leung Kwok Tai (Assistant Manager) Alliam Date: >3-10-2019 Certified by : Checked by: CA-R-297 (22/07/2009)

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kona.

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



Report no.: 183057CA196275

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 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 level 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:

Caller and it is consider.				
Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)		
94dB	0.0 dB	±0.4dB		
114dB	0.0 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.
- 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: >2-(0-2019	_Certified by :_	& Thomas	Date : 🔀	10-2016
CA-R-297 (22/07/2009)		Leung	Kwok Tai (Assist	ant Manager)	

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



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	4	5	6
		AMS4A Wai Wah Centre AMS8 Lek Yuen Estate AMS12 Fung Wo Estate AMS17 Wo Che Estate					AMS4A Wai Wah Centre AMS8 Lek Yuen Estate AMS12 Fung Wo Estate AMS17 Wo Che Estate
			NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27				
		7 8	9	10	11		13
						AMS4A Wai Wah Centre AMS8 Lek Yuen Estate AMS12 Fung Wo Estate AMS17 Wo Che Estate	
					NMS 18,NMS 23, NMS 27	NMS 8, NMS9, NMS 10A, NMS 11, NMS 12, NMS 13, NMS 14, NMS17, NMS 19, NMS 20, NMS 24, NMS 25A,	
	1	15	16	17		19	20
					AMS4A Wai Wah Centre		
Jun-20					AMS8 Lek Yuen Estate AMS12 Fung Wo Estate AMS17 Wo Che Estate		
					NMS 8, NMS9, NMS 10A, NMS 11, NMS 12, NMS 13, NMS 14, NMS17, NMS 19, NMS 20, NMS 24, NMS 25A,	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	
	2	1 22	23	24	25	26	27
				AMS4A Wai Wah Centre AMS8 Lek Yuen Estate AMS12 Fung Wo Estate AMS17 Wo Che Estate			
			5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	NMS 8, NMS9, NMS 10A, NMS 11, NMS 12, NMS 13, NMS 14, NMS17, NMS 19, NMS 20, NMS 24, NMS 25A,			
	2	8 29				_	
			AMS4A Wai Wah Centre AMS8 Lek Yuen Estate AMS12 Fung Wo Estate AMS17 Wo Che Estate				
		NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	NMS 8, NMS9, NMS 10A, NMS 11, NMS 12, NMS 13, NMS 14, NMS17, NMS 19, NMS 20, NMS 24, NMS 25A,				

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 direction in Jun 2020 is south west.
- 4. According to the Contractor, the anticipated major construction activities in the reporting month includes:
- (1) Pre-drill works in Zone 1, 2, 3, 4 & 5.
- (1) Pre-unit works in Zone 1, 2, 3, 4 & 5.

 (2) Tree preservation / felling/ pruning/ trabsplantation in Zone 1, 2, 3, 4 & 5.
- (3) Remedial works for road surface in Zone 1 & 2.
- (4) Construct temporary road & site access in Zone 1 & 2.
- (5) Mini pile Works in Zone 1, 2, 3 & 4.
- (6) Construction/ Diversion of underground utilities in Zone 1 & 2.
- (7) Trial Pits Excavation in Zone 3, 4 & 5.
- (8) Underground utilities detections in Zone 3, 4 & 5.
- (9) Soldier pile works & Pre bored H-pile works in Zone 3.
- (10) Bore pile works in Zone 3.
- (11) Construction of pile cap in Zone 3.
- (12) Construction of noise barrier footing foundation in Zone 3.
- (13) Construction of footbridge NF40 staircase structure works in Zone 4.
- (14) Foundation works of footbridge NF66 in Zone 4.
- (15) Noise Barrier Foundation Works and Soil Replacement on Slope in Zone 5.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	<u>Denou</u> j	11201001	140044	1	2	3	4
	5	6	7	8	9	10	
		AMS6 Shatin Plaza					AMS6 Shatin Plaza
		AMS8 Lek Yuen Estate					AMS8 Lek Yuen Estate
		AMS13 Fung Wo Estate					AMS13 Fung Wo Estate
		AMS15 Ha Wo Che	NR (C. O. NR (CO. NR (C. 10 A. NR (C. 11 AR (C.				AMS15 Ha Wo Che
			NMS 8, NMS9, NMS 10A, NMS 11, NMS 12, NMS 13, NMS 14, NMS17, NMS 19,				
			NMS 20, NMS 24, NMS 25A, NMS 26				
	12	13		15	16	17	18
	12			15	10	AMS6 Shatin Plaza	10
						AMS8 Lek Yuen Estate	
						AMS13 Fung Wo Estate	
Jul-20						AMS15 Ha Wo Che	
					NMS 8, NMS9, NMS 10A, NMS 11, NMS	NMS 1, NMS 2, NMS 3, NMS 4, NMS	
					12, NMS 13, NMS 14, NMS17, NMS 19,	5A, NMS 6A, NMS 7, NMS 15, NMS 16,	
					NMS 20, NMS 24, NMS 25A, NMS 26	NMS 18,NMS 23, NMS 27	
	19	20	21	22	20	24	25
					AMS6 Shatin Plaza		
					AMS8 Lek Yuen Estate		
					AMS13 Fung Wo Estate		
					AMS15 Ha Wo Che NMS 1, NMS 2, NMS 3, NMS 4, NMS	NMS 8, NMS9, NMS 10A, NMS 11, NMS	
					NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16,	12, NMS 13, NMS 14, NMS17, NMS 19,	
					NMS 18,NMS 23, NMS 27	NMS 20, NMS 24, NMS 25A, NMS 26	
	26	27	28	29			
			20	AMS6 Shatin Plaza	30	, , , , , , , , , , , , , , , , , , ,	
				AMS8 Lek Yuen Estate			
				AMS13 Fung Wo Estate			
				AMS15 Ha Wo Che			
				NMS 1, NMS 2, NMS 3, NMS 4, NMS	NMS 8, NMS9, NMS 10A, NMS 11, NMS		
					12, NMS 13, NMS 14, NMS17, NMS 19,		
				NMS 18,NMS 23, NMS 27	NMS 20, NMS 24, NMS 25A, NMS 26		

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 direction in Jul 2020 is south west.
- 4. According
- (1) Pre-drill works in Zone 1, 3, & 5.
- (2) Tree preservation / felling/ pruning/ trabsplantation in Zone 1, 2, 3, 4 & 5. (3) Remedial works for road surface in Zone 1 & 2.
- (4) Sheeting pile Works in Zone 1
- (5) Mini pile Works in Zone 1, 2, 3, 4 & 5.
- (6) Construction/ Diversion of underground utilities in Zone 1, 2, 3, 4 & 5. (7) Construction of Pile Cap in Zone 1, 2 & 3.
- (8) Trial Pits Excavation in Zone 3, 4 & 5.
- (9) Noise Barrier Foundation Works in Zone 3 & 5.
- (10) Construction of Temporary Road in Zone 3.

 (11) ELS for Soldier Pile Wall Construction, Pre bored H-pile works and Soldier pile works in Zone3.
- (12) Construction of noise barrier footing foundation in Zone 3.
- (13) Foundation works of footbridge NF66 in Zone 4.
- (14) Cycle Track Diversion Works in Zone 4.
- (15) Noise Barrier Foundation Works and Soil Replacement on Slope in Zone 5.
- (16) Construction of footbridge NF40 staircase structure works and demolition of existing staircases in Zone 4.

FUGRO TECHNICAL SERVICES LIMITED

Room 723 & 725, 7/F, Block B, Profit Industrial Building,

: (852)-24508238 Fax : (852)-24508032 1-15 Kwai Fung Crescent, Kwai Fong, Hong Kong Email: mcl@fugro.com



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

Tentative Regular Night Time Noise Monitoring Schedule (June 2020)

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

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

Tentative Regular Night Time Noise Monitoring Schedule (July 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	31	
				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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	ı	_			_				have blan are the after and
		H	1	-	Ξ	四	五	六	假期及注意事項
週次	八月	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(23-24/8)中一適應營
		(25)	(26)	(27)	(28)	(29)	(30)	(31)	
		Sept							(2/9)開學禮
1	九	1	2	3	4	5	6	7	(3/9)正式上課 (6/9)開學崇拜會
2		8	9	10	11	12	13	(14)	(9/9)中一至中四學生開始繳交周記 (10/9)各班拍攝學生相片
Ĺ				10			10	(2.7)	(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 ^T	30 ^T	31 ^T	1 ^T		(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△	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
<u> </u>	_		10		• •				(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△	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
	=								(14/12)中西南區小學數學比賽 (17-19/12)中六級校外模擬考試 (19/12下午)聖誕遊藝會彩排
16	月	15	16	17	18	19	20	21	(19/12 P 下) 級 校 外 保 機 秀 訊 (19/12 P 下) 至 誕 迎 餐 冒 形 拼 (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	/1	22	(23)	(24)	(25)	(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
<u> </u>			(20)	(- ·)	Jan	(-0)	(-//	(-0)	(
18	-	(29)	(30)	(31)		2	3	4	(30,31/12)中六級補課
19		5	6	7 ^E	8 ^E	9 ^E	10 ^E	11	(7-16/1)中一至中五級上學期期考共8天 (7-20/1)中六級畢業試
20		12	13 ^E	14 ^E	15 ^E	16 ^E	17 ^E		(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
21		19	20 ^E	21	(22)	(23)	(24)	(25)	(22/1-3/2)農曆新年假期共13天
	月		,	,	,			Feb	
22		(26)	(27)	(28)	(29)	(30)	(31)	(1)	(4/2) 丁與 田 明 以 (4/2) 处 在 事 坐 及 尺 口 (2)
23	-	(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周記(10-14/2)福音周(14/2)佈道會
25		16	17	18	19	20	21	22△	(17-21/2)個人社會及人文領域周 (22/2)「學校起動計劃」生涯規劃日
									(24-28/2)「基本法之時空解谜」活動
26	月	23	24	25	26	27	28	29△	(26/2)畢業典禮習禮、中六級進行學生持份者問卷及教學評鑑
									(28/2)中六級感恩惜別會 (29/2)家長日暨中三升中四選科講座

培英中學2019至2020年度校曆表

		B	-	=	Ξ	四	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	14	(9-13/3)數學周
29		15	16	17	18	19 ^T	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)趁爐做老闆 (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△	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	(4-8/5)科技周
37		10	11	12	13	14	15△	16	(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		17	18	19	20	21 [△]	(22)	23	(21/5)第六十一屆陸運會 (22/5)陸運會翌日假期
39	月	24	25	26	27	28	29	30	(29/5)畢業禮後備日
			Jun						(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	6	(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)中五級試後上課問
42									(16/6下午)中五級學習概覽寫作工作坊 (16-17/6)中三級全港性系統評估(中英數) (19/6)中三級全港性系統評估(後備日)
43		21	22	23	24	(25)	26	27	(19-23/6)中一至中五級溫習及補考 (25/6)端午節假期
	月				Jul	(20)			(1/7)香港特別行政區成立紀念日假期
44	7	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	t	5	6	7	8	9	10△	11	(8/7)香港中學文憑考試放榜
46		12	13	(14)	(15)	(16)	(17)	(18)	(13/7)結業禮 (13/7)接見家長及學生 (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)	
	月							Aug	
48		(26)	(27)	(28)	(29)	(30)	(31)	(1)	
49		(2)	(3)	(4)	(5)	(6)	(7)	(8)	
50	入	(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

Jockey Club Ti-I College School Calendar (2019-20) for Students

Month	Cycle	Sun	Mon	Tue	Wed	Thu	Fri	Sat		Major Events & School Holidays
		1	2	3	4	5	6 ^{T1}	7	2	Opening Ceremony
	1	0	%	Ī	II	III	IV	•	2	Newsletter to Parents (1)
			•	40	4.4	40	40		6	School Year Commencement Assembly
119	2	8	9	10	11	12	13	14	9	Deadline of Dropping of Elective Subjects for F.5 & F.6
. 20		0	V	VI	I	II	Ш	•	13	Students Club Selection Day & SU Election Forum
ber	3	15	16	17	18	19	20 ^{T2}	21	14	The Day After Chinese Mid-Autumn Festival
em	0	0	IV	V	VI	I	Ш	0	17	SU Election Polling Day
September 2019		22	23	24	25	26	27	28	20	Student Bodies Joint Inauguration
S	4	0	Ш	IV	V	VI	I	0		
		29	30							
		29 O	II							
)	11						1	National Day
				1	2	3	4	5	4	Swimming Gala
				•	Ш	IV	%	0	7	Chung Yeung Festival
	5	6	7	8	9	10	11	12	12	Parent-Teacher Sharing Session & PTA AGM
)19	5	0	•	V	VI	I	Ш	%	25	F.4 Parents' Night (Academic Adjustment & OLE)
r 20		13	14	15	16	17	18	19	28	Blood Donation Day
ope	6	0	III	IV	V	VI	1	0		
October 2019		20	04			0.4	25	00		
		20	21 II	22 III	23 IV	24 V	25 VI	26 •		
		0	"	111	IV	V	VI	0		
	7	27	28	29	30	31				
		0	ı	II	Ш	IV				
							1	2	1	F.2 Parents' Night (Student Growth & Development)
							V	O	7 8	Newsletter to Parents (2) F.1 Parents' Night (Adaptation & Parenting)
		3	4	5	6	7	8	9	-	Activities Suspension for F.6 Students
018	8	0	VI	1	Ш	Ш	IV	0		F.6 First Term Exam
er 2		10	11	10	12	11	15	16	22	Athletics Meet Day 1
nbe	9	10	11 V	12 VI	<u>13</u> I	<u>14</u> II	<u>15</u> III	16 •		
ovember 2019		,				"				
8	10	17	<u>18</u>	<u>19</u>	<u>20</u>	21	22	23		
		0	IV	V	VI	I	%	0		
		24	25	26	27	28	29	30		
		O	II	Ш	IV	V	VI	O		
		1	2	3	4	5	6	7	2	Athletics Meet Day 2
	11	0	%	0	ı	Ш	Ш	0	3	Discretionary Holiday
		0	0	10	44	40	40H	4.4	6	Photo Taking for Staff and Graduation Classes
119	12	8 •	9 IV	10 V	11 VI	12 I	13 ^H II	14 •	12 13	Distribution of First Term Progress Report Preparation for Open Day
. 50		,	ıv	V	VI				15	Open Day cum 30th Anniversary Time Capsule
ber		15	16	17	18	19	20	21		Installation Ceremony & F.1 Admission Information
December 2019		%	•	Ш	IV	V	SD1	0		Session
)ec		22	23	24	25	26	27	28	16	Discretionary Holiday
		O	O	•	•	•	O	O	20	Staff Development Day 1 & 30 th Anniversary Campus
		29	30	31					23/12	Gala Dinner Christmas & New Year Holiday
		0	O	O					-1/1	
			-							

Month	Cycle	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Major Events/Holidays & Activities
					1	2	3	4	2-13 First Term Exam
					•	*	*	*	14-22 First Term Exam Script Review in Normal TimetableOpening Ceremony of Graduation Class Visual Arts
		5	6	7	8	9	10	11	Exhibition
020		0	*	*	*	*	*	*	16 Newsletter to Parents (3)
/ 20		12	13	14	15	16	17	18	23/1 Chinese New Year Holiday
January 2020	13	0	*	VI	ı	II	III	0	-1/2
Jan		19	20	21	22	23	24	25	
		0	IV	V	VI	0	0	•	
		26	27	28	29	30	31		
		•	•	•	O	O	O		
								1	3-19 F.6 Mock Exam & Activities Suspension for F.6
								•	Students
		2	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	8	 14 First Term Prize Presentation Ceremony 15 Parents' Day (Distribution of First Term Report Cards)
020	14	O	Ī	II	III	IV	V	•	19-21 F.3 Boost Morale Camp
y 2(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	0	VI	1	II	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	Tresume for the endeside
	16	0	V	VI	ı	II	III	O	
		23	24	25	26	27	28 ^{T2}	29	
	17	0	IV	V	VI	1	II	0	
		1	2	3	4	5	6	7	5 Newsletter to Parents (4)
	18	0	Ш	IV	V	VI	1	%	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		O	Ш	Ш	IV	V	VI	•	
20%		15	16	17	18	19	20	21	
March 2020	19	O	I	П	Ш	IV	SD2	•	
Š		22	23	24	25	26	27	28	
	20	O	V	VI	1	Ш	Ш	•	
		29	30	31					
		O	IV	V					
	21				1	2	3	4	3 Activity Day
	21				VI	1	%	•	4 Ching Ming Festival 6-14 Easter Holiday
		5	6	7	8	9	10	11	21/22 F.3 TSA (Speaking Assessment)
0;		0	•	O	•	•	•	•	22-24 Reading Week
202		12	13	14	15	16	17	18	30 The Birthday of the Buddha
April 2020		•	•	•	П	Ш	IV	•	
⋖	00	19	20	21	22	23	24	25	
	22	0	V	VI	I	Ш	Ш	O	
		26	27	28	29	30			
		•	IV	V	VI	•			

Month	Cycle	Sun	Mon	Tue	Wed	Thu	Fri	Sat		Major Events/Holidays & Activities
							1	2	1	Labour Day
							•	•	7	Newsletter to Parents (5)
		3	4	5	6	7	8	9	15 21	Speech Day (TBC) Distribution of Second Term Progress Report
	23	0	1	П	Ш	IV	V	0	22	F.5 Parents' Night (Careers Planning & Academic
0		10	11	12	13	14	15 ^H	16	25/5	Enhancement) Activities Suspension
202	24	O	VI	1	Ш	Ш	IV	O	-20/6	Activities Suspension
May 2020	0.5	17	18	19	20	21	22	23		
2	25	0	V	VI	I	П	Ш	•		
	200	24	25	26	27	28	29	30		
	26	•	IV	V	VI	1	Ш	•		
		31								
		0								
			1	2	3	4	5	6	5 8-20	Staff Development Day 3 Second Term Exam
			Ш	IV	V	VI	SD3	0		F.3 TSA (Written Assessments)
		7	8	9	10	11	12	13	22-26	Second Term Exam Script Review with Special
20		0	*	*	*	*	*	*	25	Timetable Tuen Ng Festival
5 20		14	15	16	17	18	19	20	26	Appreciation Night Dinner (TBC)
June 2020		0	*	*	*	*	*	*	29/6	Post Exam Activities
'		21	22	23	24	25	26	27	-9/7	
		0	%	%	%	•	%	0		
		28	29	30						
		O	%	%					1	The HKSAR Establishment Day
					1	2 %	3 %	4 •	8	HKDSE Results Release (TBC)
		_		_	٠				10	Newsletter to Parents (6)
		5 O	6 %	7 %	8 %	9 %	10 %	11 •	10 13/7	Closing Ceremony Summer Vacation
020									-31/8	
July 2020		12	13 O	14 •	15 O	16 O	17 O	18 •		
Ju		19	20	21	22	23	24	25		
		O))	O)	O	O	O		
		26	27	28	29	30	31			
		0	0	•	0	•	•			
								1	17-21	F.1 Summer Bridging Programme (TBC)
								O	22	F.1 Orientation (TBC)
		2	3	4	5	6	7	8		
		0	0	•	O	0	•	O		
)20		9	10	11	12	13	14	15		
August 2020		O	•	O	•	O	•	O		
snbr		16	17	18	19	20	21	22		
¥		0	O	O	•	0	O	O		
		23	24	25	26	27	28	29		
		0	0	0	•	0	O	0		
		30	31							
		O	O							

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

通								,			旭
日 - 二 三 四 五 六 1	週				星	<u>!</u> ;	期			行 事 要 項	假期口
1 2019 1 2* 3 4 5 6 7 7 2/9 上學期開學日 13/9 教師專業發展日 14/9 中秋節翌日 13/9 教師專業發展日 14/9 中秋節第日 14/9 中秋節第日 14/9 中秋節第日 14/9 中秋節翌日 14/9 中秋節第日 14/9 中秋節翌日 14/9 中秋節第日 14/9 中秋節第日	火	177			_	=	Ш				日數
1	1	2010	<u> </u>	2*						2/0 上與期間與口	致
3		_	Q	_	_				-		1
1	\sim		_	_						13/2 教即母亲致胶口 14/2 中伙即立口	1
5	\sim			_							
1 2 3 4 5 7/10 國慶日 7/10 重陽節					24	25	26	21	28		
1	(5)		29	30							
7 月 13 14 15 16 17 18 19 20 21 22 23 24 25 26 24/10 - 29/10 上學期測驗 (J.6 呈分試) 1 2 10 + 3 4 5 6 7 8 9 11 - 10 11 12 13 14 15 16* 16/11 上學期家長日 17 18 19 20 21 22 23 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 14 1 2 3 4 5 6 7 7 15 16 17 18 19 20 21 17 18 19 20 21 21 17 18 19 20 21 23 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 19/10 19/1								=	-		1
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14 1 2 3 4 5 6 7 15 + 8 9 10 11 12 13 14 16 二 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 18 29 30 31 2020 1 2 3 4	13		24	25	26	27		29		28/11 第十三屆陸運會 29/11 陸運會翌日假期	1
15	\rightarrow		1								
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2020 1 2 3 4	\sim					23	20	21	20		3
	10	2020	<i></i>	30	JI	1	2	2	1		2
20 月 12 13 14 15 16 17 18 19 20 21 22 23 24 25 22/1-1/2 農曆新年假期 20 21 22 23 24 25 22/1-1/2 農曆新年假期 24 25 24 25 24 25 25 25	10		5	6	7	0			-	8/113/1 上與邯蜒邯⇒♪	
20 万 12 13 14 15 16 17 18	la)						· <u></u> -			0/1-13/1 上字别字别码	
(21	20									20/1 1/2 曲屋がたた畑田田	
	21)								25	22/I-I/2	4
	(22)		26	27	28	29	30	31			6
											1
2 3* 4 5 6 7* 8 3/2 下學期開始 7/2 旅行日			2		4	5	6	7 *	8	3/2 下學期開始 7/2 旅行日	
月 9 10 11 12 13 14 15		月	9	10	11	12	13	14	15		

附註: □代表假期 ★代表特別事宜



« 二月 »											
日	_	Ξ	Ξ	四	五	六					
26	27	28	29	30	31						
2	3	4		6		8					
9	10				14	15					
16		18	19	20	21						
	24	25	26		28	29					
1	2	3	4	5	6	7					

02月03日 下學期開始

02月03日 - 02月29日 全港中、小學停課 (假期)

	«		四月		»	
日	_	Ξ	Ξ	四	五	六
29	30	31	1	2	3	
5	6		8	9	10	
		14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

04月02日 第廿八屆水運會

04月03日 水運會翌日假期 (假期)

04月04日 清明節 (假期)

04月06日 - 04月14日 復活節假期 (假期)

04月29日 下學期家長日

04月30日 佛誕 (假期)

	« 三月 »											
日	_	Ξ	Ξ	四	五	六						
23	24	25	26	27	28	29						
			4									
			11									
15	16	17	18	19	20	21						
22	23	24	25	26	27	28						
29	30	31	1	2	3	4						

03月13日 聖公會聯校教師發展日

03月19日 - 03月20日 下學期測驗(J.6呈分試)

03月23日 - 03月24日 下學期測驗(J.6呈分試)

	«		五月		»	
日	_	_	Ξ	四	五	六
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

05月01日 勞動節 (假期)

	«		六月			
日	_	=	Ξ	四	五	六
31	1	2	3	4	5	6
			10			
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

06月08日 四至六年級復課

06月15日 一至三年級復課

06月25日 端午節 (假期)



07月20日 - 07月21日 五年級呈分考試

07月27日 - 08月31日 暑假 (假期)

沙 田 崇 真 學 校 2019-20年度校曆表

			_			_			<u> </u>	1			1		_		has then I the total
	日	1	<u>-</u>	듸	四	五	六	假期/事項		日	_	1	Ξ	四	五	ナ	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	$\stackrel{\times}{\longrightarrow}$	清明節(4/4)
九	8	9	10	11	12	1/3) 4	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	X	X	X	M	福音周及復活節崇拜 (6-7/4)
	15	16	17	18	19	20	21)2)3)4)\$	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	2	3	4	5	國慶日(1/10) 教師專業發展日(2/10)							*	2	勞動節(1/5)
+	6	X	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	22	23	教師專業發展日(22/5)
	27	28	29	30	31			P.6 教育營(28/10-1/11)		24	25	26	27	28	29	30	
								,		31							
						1	2				1	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	6	一至六年級考試(1-5/6)
+	3	4	5	6	7	8	9	零功課日(8/11)	六	7	8	9	10	11	12	13	
_	10	11	12	13	14	15	16			14	15	16	17	18	19	20	小一面試 (15-16/6)
月	17	18	19	20	21	22	23		月	21	22	23	24	25	26	27	端午節(25/6)
	24	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	30	一至六年級考試(25-29/11) 教師專業發展日(30/11)		28	29	30		<u>/</u>			畢業禮(30/6)
	1	2	3	4	5	6	7	*A~『寸 ホ 敦 収 日 (00/ 11 <i>)</i>					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		11	宇
=	15	16	17	18	19	20	21	專題研習問(16-19/12)聖誕崇拜(20/12)		12	1/3)4	155	16	M	18	暑假(13/7-31/8)
月	22	23	24		26	_	28	聖誕及新年假期(23/12-1/1)	月	10	20	21	22	23	24	25	
		30	$\left\langle \cdot \cdot \right\rangle$							26	27	28	$\left\langle \cdot \cdot \right\rangle$	30	$\langle \cdot \rangle$		
			/ \	*	2	3	4	D C & E a (4/1)						/ \		$\overline{\chi}$	
二零	5	6	7	8	9	10		P.6家長日(4/1) P.1-5家長日(11/1)	入	X	X	X	***	6	X	$\langle \chi \rangle$	
* =	12		14			17		r.1-5 承長日(11/1) 跨學科活動日(17/1)		X	10	\overrightarrow{M}	12	13	14	15	
零			21	22	23	24		陸運會(20/1)農曆新年假期(21/1-3/2)	月	16	W	18	100	20	21	\overrightarrow{y}	
年一	26		/	\longleftrightarrow	30	3			``	23	$\sqrt{\frac{1}{4}}$	25	26	$\left\langle \cdot \right\rangle$	28	$\stackrel{\sim}{\searrow}$	
月	Ž 🔨	<u> </u>		<i>-</i> -	<i>y</i> «	<i>y</i> \				30	$\langle \gamma \rangle$	<i>_</i>	7	<i>~</i> \	7	<u> </u>	
							*		綠	卢旗	多半:	天上	_課	<u> </u>	格	色点	
=	X	X	4	5	6	7	8	下學期開始(4/2)	-		多公				عفدو		
	9	10	11		_	14		零功課日(12/2)	本	年月	走上	課日	數	: 19	2日	(包:	括兩次家長日)
月	_	17			20		22				吳期						
"				26		28		學校籌款日(23/2)			1 決		•		11 \		_
	1		3			_		字校等級日(23/2) 學校籌款日補假(24/2) 一至五年級主科考試(12-13/3)			夏日 5坐:	•				: 78	日
듸	0	2		11	12	6	7 14	六年級報分試(9-13/3)			享業 360			• 3	П		
	8	<u>9</u>	10 17	11	12	<u>13</u>	14			$\dot{\overline{}}$	校位						學校自決假期
月						20	21		$\frac{1}{2\nu}$	\rightarrow	W11 2			市專	業發	展	
			24	25	26	21	28	١ ١ ١ ١ ١ ١ ١ ١ ١ ١ ١ ١ ١ ١ ١ ١ ١ ١ ١		7		<u>, </u>	1/2	1 11.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
		30 ₩ ≈1						境外學習 (28/3-2/4)				. 2					唐古・2600 0507

新界沙田瀝源邨 網址:www.stts.edu.hk

FUGRO TECHNICAL SERVICES LIMITED

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



Appendix F

Air Quality Monitoring Data

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

AMS4A - Wai Wah Centre

ANIOTA - N	rai rraii o	J. I.C. O						
				1-hour TSP ((µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
1-Jun-20	22:05	99	97	98	98			Sunny
6-Jun-20	18:58	94	94	89	92			Sunny
12-Jun-20	9:04	78	68	64	70	348	500	Sunny
18-Jun-20	19:08	102	98	93	98	340		Sunny
24-Jun-20	15:00	98	85	80	88			Sunny
30-Jun-20	17:02	87	76	78	80			Sunny
	Average		88	•		-		
	Max		102	•				
					11			

AMS 8 - Lek Yuen Estate

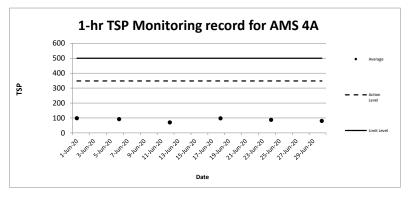
				1-hour TSP ((µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
1-Jun-20	9:33	80	68	66	71			Sunny
6-Jun-20	9:28	85	60	58	68			Sunny
12-Jun-20	11:36	86	75	67	76	336	500	Sunny
18-Jun-20	14:35	93	93	85	90	330		Sunny
24-Jun-20	12:40	91	69	71	77			Sunny
30-Jun-20	15:42	89	81	71	80			Sunny
	Average		77					
	Max		93					
	Min		58					

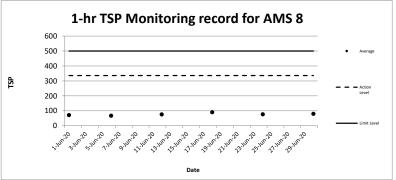
AMS 12 - Fung Wo Estate

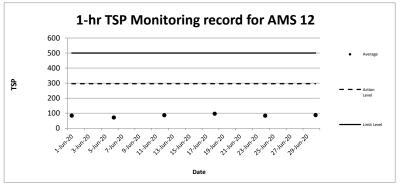
	1-hour TSP (µg/m³)							
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
1-Jun-20	21:03	91	75	85	84			Sunny
6-Jun-20	11:10	88	62	64	71			Sunny
12-Jun-20	11:06	97	81	82	87	296	500	Sunny
18-Jun-20	16:05	100	93	96	96	290		Sunny
24-Jun-20	13:02	95	74	79	83			Sunny
30-Jun-20	16:11	99	86	77	87			Sunny
	Average		85					
	Max		100					
	Min		62	<u> </u>][

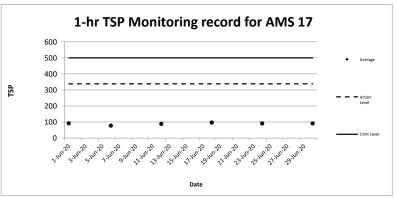
AIII 17 -	INIS 17 - WO CHE ESTATE							
	1-hour TSP (μg/m³)							
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
1-Jun-20	12:23	97	85	93	92			Sunny
6-Jun-20	11:32	99	64	70	78		500	Sunny
12-Jun-20	17:36	92	89	85	89	338		Sunny
18-Jun-20	16:45	100	93	96	96	336		Sunny
24-Jun-20	16:36	100	76	98	91			Sunny
30-Jun-20	16:41	108	83	81	91			Sunny
	Average		89	•		-		
	Max		108	•				
	Min		64		11			

- 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.









AMS4A - Wai Wah Centre

AMS4A - Wai Wah C	
Date and Time	TSP Concentration (µg/m³)
1/6/2020 9:05	85
1/6/2020 10:05	75
1/6/2020 11:05	79
1/6/2020 12:05	75
1/6/2020 13:05	80
1/6/2020 14:05	89
1/6/2020 15:05	96
1/6/2020 16:05	94
1/6/2020 17:05	95
1/6/2020 18:05	97
1/6/2020 19:05	91
1/6/2020 20:05	89
1/6/2020 21:05	98
1/6/2020 22:05	99
1/6/2020 23:05	97
2/6/2020 0:05	98
2/6/2020 1:05	92
2/6/2020 2:05	89
2/6/2020 3:05	82
2/6/2020 4:05	89
2/6/2020 5:05	82
2/6/2020 6:05	96
2/6/2020 7:05	88
2/6/2020 8:05	77
Average	89
Action Level	200
Limit Level	260

Date and Time	TSP Concentration (µg/m³)
6/6/2020 8:58	69
6/6/2020 9:58	72
6/6/2020 10:58	64
6/6/2020 11:58	81
6/6/2020 12:58	77
6/6/2020 13:58	70
6/6/2020 14:58	75
6/6/2020 15:58	74
6/6/2020 16:58	86
6/6/2020 17:58	94
6/6/2020 18:58	94
6/6/2020 19:58	89
6/6/2020 20:58	83
6/6/2020 21:58	72
6/6/2020 22:58	70
6/6/2020 23:58	80
7/6/2020 0:58	72
7/6/2020 1:58	69
7/6/2020 2:58	74
7/6/2020 3:58	77
7/6/2020 4:58	76
7/6/2020 5:58	76
7/6/2020 6:58	71
7/6/2020 7:58	70
Average	76
Action Level	200
Limit Level	260

Date and Time	TSP Concentration (μg/m³)
12/6/2020 9:04	78
12/6/2020 9:04	68
12/6/2020 10:04	64
12/6/2020 11:04	54
12/6/2020 12:04	34 71
12/6/2020 14:04	74
12/6/2020 15:04	66
12/6/2020 16:04	64
12/6/2020 17:04	74
12/6/2020 18:04	67
12/6/2020 19:04	64
12/6/2020 20:04	72
12/6/2020 21:04	62
12/6/2020 22:04	64
12/6/2020 23:04	61
13/6/2020 0:04	67
13/6/2020 1:04	67
13/6/2020 2:04	66
13/6/2020 3:04	71
13/6/2020 4:04	67
13/6/2020 5:04	56
13/6/2020 6:04	63
13/6/2020 7:04	55
13/6/2020 8:04	66
Average	66
Action Level	200
Limit Level	260

Date and Time	TSP Concentration (µg/m³)
18/6/2020 9:08	73
18/6/2020 10:08	78
18/6/2020 11:08	76
18/6/2020 12:08	89
18/6/2020 13:08	85
18/6/2020 14:08	79
18/6/2020 15:08	87
18/6/2020 16:08	88
18/6/2020 17:08	93
18/6/2020 18:08	99
18/6/2020 19:08	102
18/6/2020 20:08	98
18/6/2020 21:08	93
18/6/2020 22:08	90
18/6/2020 23:08	81
19/6/2020 0:08	94
19/6/2020 1:08	73
19/6/2020 2:08	81
19/6/2020 3:08	79
19/6/2020 4:08	88
19/6/2020 5:08	91
19/6/2020 6:08	82
19/6/2020 7:08	88
19/6/2020 8:08	86
Average	86
Action Level	200

Date and Time	TSP Concentration (µg/m³)	
24/6/2020 9:00	92	
24/6/2020 10:00	95	
24/6/2020 11:00	82	
24/6/2020 12:00	71	
24/6/2020 13:00	80	
24/6/2020 14:00	94	
24/6/2020 15:00	98	
24/6/2020 16:00	85	
24/6/2020 17:00	80	
24/6/2020 18:00	83	
24/6/2020 19:00	92	
24/6/2020 20:00	76	
24/6/2020 21:00	73	
24/6/2020 22:00	89	
24/6/2020 23:00	88	
25/6/2020 0:00	76	
25/6/2020 1:00	72	
25/6/2020 2:00	80	
25/6/2020 3:00	94	
25/6/2020 4:00	96	
25/6/2020 5:00	96	
25/6/2020 6:00	82	
25/6/2020 7:00	81	
25/6/2020 8:00	76	
Average	85	
Action Level	200	
Limit Level	260	

Date and Time	TSP Concentration (µg/m³)
30/6/2020 9:02	63
30/6/2020 10:02	75
30/6/2020 11:02	76
30/6/2020 12:02	68
30/6/2020 13:02	79
30/6/2020 14:02	76
30/6/2020 15:02	70
30/6/2020 16:02	76
30/6/2020 17:02	87
30/6/2020 18:02	76
30/6/2020 19:02	78
30/6/2020 20:02	78
30/6/2020 21:02	65
30/6/2020 22:02	73
30/6/2020 23:02	68
1/7/2020 0:02	68
1/7/2020 1:02	79
1/7/2020 2:02	76
1/7/2020 3:02	81
1/7/2020 4:02	69
1/7/2020 5:02	60
1/7/2020 6:02	76
1/7/2020 7:02	68
1/7/2020 8:02	81
Average	74
Action Level	200
Limit Level	260

Limit Level 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)

AMS	8	- Lek	Yuen	Estate
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AMS 8 - Lek Yuen Estate			
Date and Time	TSP Concentration (µg/m³)		
1/6/2020 9:33	80		
1/6/2020 10:33	68		
1/6/2020 11:33	66		
1/6/2020 12:33	64		
1/6/2020 13:33	66		
1/6/2020 14:33	71		
1/6/2020 15:33	63		
1/6/2020 16:33	71		
1/6/2020 17:33	73		
1/6/2020 18:33	66		
1/6/2020 19:33	72		
1/6/2020 20:33	72		
1/6/2020 21:33	68		
1/6/2020 22:33	76		
1/6/2020 23:33	68		
2/6/2020 0:33	67		
2/6/2020 1:33	76		
2/6/2020 2:33	68		
2/6/2020 3:33	63		
2/6/2020 4:33	64		
2/6/2020 5:33	63		
2/6/2020 6:33	69		
2/6/2020 7:33	75		
2/6/2020 8:33	75		
Average	69		
Action Level	161		
Limit Level	260		

Date and Time	TSP Concentration (μg/m³)
6/6/2020 9:28	85
6/6/2020 10:28	60
6/6/2020 11:28	58
6/6/2020 12:28	58
6/6/2020 13:28	54
6/6/2020 14:28	57
6/6/2020 15:28	56
6/6/2020 16:28	58
6/6/2020 17:28	62
6/6/2020 18:28	70
6/6/2020 19:28	60
6/6/2020 20:28	68
6/6/2020 21:28	67
6/6/2020 22:28	75
6/6/2020 23:28	70
7/6/2020 0:28	73
7/6/2020 1:28	80
7/6/2020 2:28	72
7/6/2020 3:28	71
7/6/2020 4:28	66
7/6/2020 5:28	73
7/6/2020 6:28	78
7/6/2020 7:28	74
7/6/2020 8:28	69
Average	67
Action Level	161
Limit Level	260

Date and Time	TSP Concentration (µg/m³)
12/6/2020 9:36	66
12/6/2020 10:36	71
12/6/2020 11:36	86
12/6/2020 12:36	75
12/6/2020 13:36	67
12/6/2020 14:36	60
12/6/2020 15:36	70
12/6/2020 16:36	78
12/6/2020 17:36	78
12/6/2020 18:36	76
12/6/2020 19:36	71
12/6/2020 20:36	62
12/6/2020 21:36	62
12/6/2020 22:36	60
12/6/2020 23:36	63
13/6/2020 0:36	64
13/6/2020 1:36	76
13/6/2020 2:36	74
13/6/2020 3:36	69
13/6/2020 4:36	71
13/6/2020 5:36	77
13/6/2020 6:36	64
13/6/2020 7:36	79
13/6/2020 8:36	74
Average	71
Action Level	161
Limit Level	260

Date and Time	TSP Concentration (μg/m³)
18/6/2020 9:35	75
18/6/2020 10:35	79
18/6/2020 11:35	86
18/6/2020 12:35	86
18/6/2020 13:35	88
18/6/2020 14:35	93
18/6/2020 15:35	93
18/6/2020 16:35	85
18/6/2020 17:35	88
18/6/2020 18:35	89
18/6/2020 19:35	74
18/6/2020 20:35	70
18/6/2020 21:35	71
18/6/2020 22:35	64
18/6/2020 23:35	72
19/6/2020 0:35	76
19/6/2020 1:35	76
19/6/2020 2:35	67
19/6/2020 3:35	71
19/6/2020 4:35	78
19/6/2020 5:35	79
19/6/2020 6:35	83
19/6/2020 7:35	83
19/6/2020 8:35	79
Average	79
Action Level	161
Limit Level	260

Date and Time	TSP Concentration (µg/m³)
24/6/2020 9:40	79
24/6/2020 10:40	67
24/6/2020 11:40	61
24/6/2020 12:40	91
24/6/2020 13:40	69
24/6/2020 14:40	71
24/6/2020 15:40	74
24/6/2020 16:40	69
24/6/2020 17:40	63
24/6/2020 18:40	65
24/6/2020 19:40	69
24/6/2020 20:40	74
24/6/2020 21:40	79
24/6/2020 22:40	76
24/6/2020 23:40	75
25/6/2020 0:40	67
25/6/2020 1:40	66
25/6/2020 2:40	65
25/6/2020 3:40	71
25/6/2020 4:40	70
25/6/2020 5:40	72
25/6/2020 6:40	82
25/6/2020 7:40	78
25/6/2020 8:40	70
Average	86
Action Level	161
Limit Level	260

Date and Time	TSP Concentration (µg/m³)
30/6/2020 9:42	74
30/6/2020 10:42	75
30/6/2020 11:42	81
30/6/2020 12:42	78
30/6/2020 13:42	83
30/6/2020 14:42	89
30/6/2020 15:42	89
30/6/2020 16:42	81
30/6/2020 17:42	71
30/6/2020 18:42	72
30/6/2020 19:42	69
30/6/2020 20:42	70
30/6/2020 21:42	66
30/6/2020 22:42	59
30/6/2020 23:42	66
1/7/2020 0:42	74
1/7/2020 1:42	70
1/7/2020 2:42	64
1/7/2020 3:42	66
1/7/2020 4:42	71
1/7/2020 5:42	74
1/7/2020 6:42	79
1/7/2020 7:42	73
1/7/2020 8:42	73
Average	74
Action Level	161
Limit Level	260

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

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

AMS	12 -	Fung	Wο	Estate
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AMS 12 - Fung Wo Estate			
Date and Time	TSP Concentration (µg/m³)		
1/6/2020 10:03	77		
1/6/2020 11:03	89		
1/6/2020 12:03	84		
1/6/2020 13:03	83		
1/6/2020 14:03	82		
1/6/2020 15:03	85		
1/6/2020 16:03	75		
1/6/2020 17:03	80		
1/6/2020 18:03	81		
1/6/2020 19:03	84		
1/6/2020 20:03	80		
1/6/2020 21:03	91		
1/6/2020 22:03	75		
1/6/2020 23:03	85		
2/6/2020 0:03	78		
2/6/2020 1:03	80		
2/6/2020 2:03	86		
2/6/2020 3:03	82		
2/6/2020 4:03	81		
2/6/2020 5:03	78		
2/6/2020 6:03	71		
2/6/2020 7:03	84		
2/6/2020 8:03	85		
2/6/2020 9:03	89		
Average	82		
Action Level	168		
Limit Level	260		

Date and Time	TSP Concentration (µg/m³)
6/6/2020 10:10	66
6/6/2020 11:10	88
6/6/2020 12:10	62
6/6/2020 13:10	64
6/6/2020 14:10	62
6/6/2020 15:10	65
6/6/2020 16:10	64
6/6/2020 17:10	68
6/6/2020 18:10	72
6/6/2020 19:10	79
6/6/2020 20:10	66
6/6/2020 21:10	76
6/6/2020 22:10	74
6/6/2020 23:10	80
7/6/2020 0:10	80
7/6/2020 1:10	79
7/6/2020 2:10	77
7/6/2020 3:10	76
7/6/2020 4:10	80
7/6/2020 5:10	70
7/6/2020 6:10	81
7/6/2020 7:10	83
7/6/2020 8:10	82
7/6/2020 9:10	76
Average	74
Action Level	168
Limit Level	260

Date and Time	TSP Concentration (µg/m³)
12/6/2020 10:06	72
12/6/2020 11:06	97
12/6/2020 12:06	81
12/6/2020 13:06	82
12/6/2020 14:06	72
12/6/2020 15:06	65
12/6/2020 16:06	76
12/6/2020 17:06	84
12/6/2020 18:06	82
12/6/2020 19:06	83
12/6/2020 20:06	78
12/6/2020 21:06	69
12/6/2020 22:06	69
12/6/2020 23:06	68
13/6/2020 0:06	72
13/6/2020 1:06	73
13/6/2020 2:06	86
13/6/2020 3:06	78
13/6/2020 4:06	75
13/6/2020 5:06	78
13/6/2020 6:06	82
13/6/2020 7:06	71
13/6/2020 8:06	85
13/6/2020 9:06	78
Average	77
Action Level	168
Limit Level	260

Date and Time	TSP Concentration (µg/m³)
18/6/2020 10:05	84
18/6/2020 11:05	87
18/6/2020 12:05	91
18/6/2020 13:05	92
18/6/2020 14:05	93
18/6/2020 15:05	97
18/6/2020 16:05	100
18/6/2020 17:05	93
18/6/2020 18:05	96
18/6/2020 19:05	93
18/6/2020 20:05	80
18/6/2020 21:05	73
18/6/2020 22:05	80
18/6/2020 23:05	68
19/6/2020 0:05	81
19/6/2020 1:05	84
19/6/2020 2:05	83
19/6/2020 3:05	73
19/6/2020 4:05	79
19/6/2020 5:05	87
19/6/2020 6:05	87
19/6/2020 7:05	90
19/6/2020 8:05	89
19/6/2020 9:05	87
Average	86
Action Level	168
Limit Laval	260

Date and Time	TSP Concentration (μg/m³)
24/6/2020 10:02	82
24/6/2020 11:02	76
24/6/2020 12:02	68
24/6/2020 13:02	95
24/6/2020 14:02	74
24/6/2020 15:02	79
24/6/2020 16:02	80
24/6/2020 17:02	73
24/6/2020 18:02	68
24/6/2020 19:02	73
24/6/2020 20:02	77
24/6/2020 21:02	78
24/6/2020 22:02	85
24/6/2020 23:02	81
25/6/2020 0:02	81
25/6/2020 1:02	74
25/6/2020 2:02	75
25/6/2020 3:02	72
25/6/2020 4:02	78
25/6/2020 5:02	77
25/6/2020 6:02	80
25/6/2020 7:02	88
25/6/2020 8:02	86
25/6/2020 9:02	75
Average	86
Action Level	168
Limit Level	260

Date and Time	TSP Concentration (μg/m³)
30/6/2020 10:11	80
30/6/2020 11:11	79
30/6/2020 12:11	85
30/6/2020 13:11	82
30/6/2020 14:11	87
30/6/2020 15:11	97
30/6/2020 16:11	99
30/6/2020 17:11	86
30/6/2020 18:11	77
30/6/2020 19:11	77
30/6/2020 20:11	78
30/6/2020 21:11	77
30/6/2020 22:11	71
30/6/2020 23:11	65
1/7/2020 0:11	74
1/7/2020 1:11	83
1/7/2020 2:11	79
1/7/2020 3:11	73
1/7/2020 4:11	72
1/7/2020 5:11	75
1/7/2020 6:11	81
1/7/2020 7:11	85
1/7/2020 8:11	82
1/7/2020 9:11	78
Average	80
Action Level	168
Limit Level	260

Limit Level Remark

Limit Level 260 Limit Level 260 Limit Level 260

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

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

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

AMS	17 -	Wo	Che	Estate
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AMS 17 - Wo Che Estate							
Date and Time	TSP Concentration (µg/m³)						
1/6/2020 10:23	87						
1/6/2020 11:23	84						
1/6/2020 12:23	97						
1/6/2020 13:23	85						
1/6/2020 14:23	93						
1/6/2020 15:23	89						
1/6/2020 16:23	81						
1/6/2020 17:23	80						
1/6/2020 18:23	83						
1/6/2020 19:23	94						
1/6/2020 20:23	85						
1/6/2020 21:23	96						
1/6/2020 22:23	76						
1/6/2020 23:23	88						
2/6/2020 0:23	83						
2/6/2020 1:23	86						
2/6/2020 2:23	94						
2/6/2020 3:23	83						
2/6/2020 4:23	83						
2/6/2020 5:23	83						
2/6/2020 6:23	78						
2/6/2020 7:23	88						
2/6/2020 8:23	88						
2/6/2020 9:23	93						
Average	86						
Action Level	171						
Limit Level	260						

Date and Time	TSP Concentration (µg/m³)
6/6/2020 10:32	71
6/6/2020 11:32	99
6/6/2020 12:32	64
6/6/2020 13:32	70
6/6/2020 14:32	65
6/6/2020 15:32	72
6/6/2020 16:32	64
6/6/2020 17:32	70
6/6/2020 18:32	78
6/6/2020 19:32	84
6/6/2020 20:32	76
6/6/2020 21:32	82
6/6/2020 22:32	76
6/6/2020 23:32	83
7/6/2020 0:32	88
7/6/2020 1:32	81
7/6/2020 2:32	90
7/6/2020 3:32	84
7/6/2020 4:32	82
7/6/2020 5:32	79
7/6/2020 6:32	90
7/6/2020 7:32	89
7/6/2020 8:32	77
7/6/2020 9:32	78
Average	79
Action Level	171
Limit Level	260

Date and Time	TSP Concentration (µg/m³)
12/6/2020 10:36	78
12/6/2020 11:36	82
12/6/2020 12:36	84
12/6/2020 13:36	86
12/6/2020 14:36	74
12/6/2020 15:36	66
12/6/2020 16:36	80
12/6/2020 17:36	92
12/6/2020 18:36	89
12/6/2020 19:36	85
12/6/2020 20:36	84
12/6/2020 21:36	70
12/6/2020 22:36	75
12/6/2020 23:36	72
13/6/2020 0:36	71
13/6/2020 1:36	79
13/6/2020 2:36	90
13/6/2020 3:36	80
13/6/2020 4:36	81
13/6/2020 5:36	82
13/6/2020 6:36	88
13/6/2020 7:36	78
13/6/2020 8:36	91
13/6/2020 9:36	85
Average	81
Action Level	171
Limit Level	260

Date and Time	TSP Concentration (µg/m³)
18/6/2020 10:45	84
18/6/2020 11:45	87
18/6/2020 12:45	91
18/6/2020 13:45	92
18/6/2020 14:45	93
18/6/2020 15:45	97
18/6/2020 16:45	100
18/6/2020 17:45	93
18/6/2020 18:45	96
18/6/2020 19:45	93
18/6/2020 20:45	80
18/6/2020 21:45	73
18/6/2020 22:45	80
18/6/2020 23:45	68
19/6/2020 0:45	81
19/6/2020 1:45	84
19/6/2020 2:45	83
19/6/2020 3:45	73
19/6/2020 4:45	79
19/6/2020 5:45	87
19/6/2020 6:45	87
19/6/2020 7:45	90
19/6/2020 8:45	89
19/6/2020 9:45	87
Average	86
Action Level	171
Y 1 1 Y 1	260

Date and Time	TSP Concentration (μg/m³)
24/6/2020 10:36	84
24/6/2020 11:36	94
24/6/2020 12:36	91
24/6/2020 13:36	95
24/6/2020 14:36	91
24/6/2020 15:36	95
24/6/2020 16:36	100
24/6/2020 17:36	76
24/6/2020 18:36	98
24/6/2020 19:36	96
24/6/2020 20:36	84
24/6/2020 21:36	78
24/6/2020 22:36	87
24/6/2020 23:36	69
25/6/2020 0:36	80
25/6/2020 1:36	93
25/6/2020 2:36	90
25/6/2020 3:36	78
25/6/2020 4:36	84
25/6/2020 5:36	92
25/6/2020 6:36	90
25/6/2020 7:36	94
25/6/2020 8:36	92
25/6/2020 9:36	92
Average	86
Action Level	171
Limit Level	260

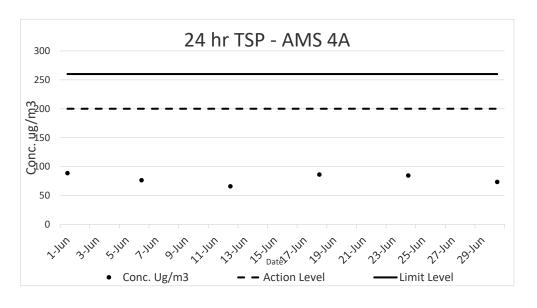
Date and Time	TSP Concentration (µg/m³)
30/6/2020 10:41	87
30/6/2020 11:41	87
30/6/2020 12:41	91
30/6/2020 13:41	87
30/6/2020 14:41	96
30/6/2020 15:41	100
30/6/2020 16:41	108
30/6/2020 17:41	91
30/6/2020 18:41	83
30/6/2020 19:41	83
30/6/2020 20:41	81
30/6/2020 21:41	84
30/6/2020 22:41	75
30/6/2020 23:41	73
1/7/2020 0:41	77
1/7/2020 1:41	91
1/7/2020 2:41	89
1/7/2020 3:41	73
1/7/2020 4:41	80
1/7/2020 5:41	77
1/7/2020 6:41	87
1/7/2020 7:41	88
1/7/2020 8:41	85
1/7/2020 9:41	79
Average	86
Action Level	171
Limit Level	260

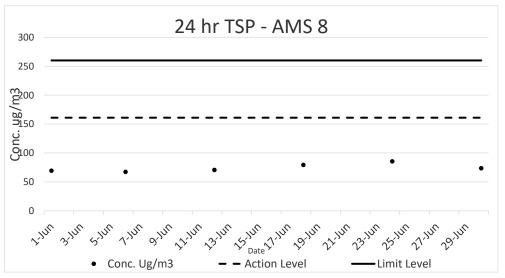
Limit Level Remark

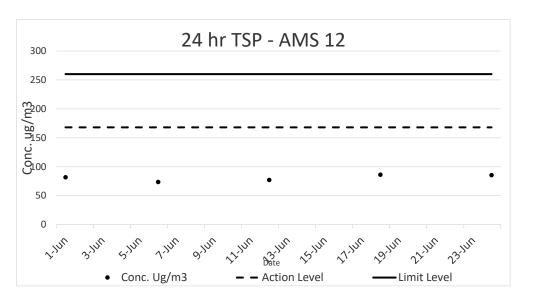
²⁶⁰ Limit Level 260 Limit Level 260

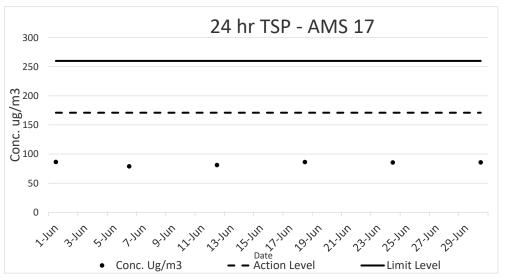
1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.

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









FUGRO TECHNICAL SERVICES LIMITED

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



Appendix G

Noise Monitoring Data

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 Laval	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lilliit Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
2-Jun-20	8:33	67.3	63.0	70.2		67.3	Fine	0.6
11-Jun-20	8:25	66.8	63.5	70.3		66.8	Sunny	0.6
19-Jun-20	8:47	67.6	63.2	69.9	75	67.6	Sunny	0.7
23-Jun-20	8:28	66.9	63.7	70.8		66.9	Sunny	0.6
29-Jun-20	8:44	67.0	63.5	70.5	1	67.0	Sunny	0.9

NMS 2 Villa Le Parc

	u =0 : u:0							
		Measi	asured Noise Level Limit Level Construction Noise Level			Wind		
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillit Level	Construction Noise Level	Weather	Speed
					(m/s)			
2-Jun-20	9:48	62.1	57.3	66.7		62.1	Fine	0.6
11-Jun-20	9:40	61.4	57.7	66.8		61.4	Sunny	0.6
19-Jun-20	10:02	62.3	57.4	66.4	75	62.3	Sunny	0.7
23-Jun-20	9:43	61.5	57.9	67.3		61.5	Sunny	0.6
29-Jun-20	9:59	61.7	57.7	67.0		61.7	Sunny	0.9

NMS 3 Hilton Plaza

		Measured Noise Level		Level	Limit Level Construction Noise Level		Wind	
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillit Level	Construction Noise Level	Weather	Speed (m/s)
			Unit: dB(A) 30 Mins					
2-Jun-20	9:11	68.4	66.1	72.2		68.4	Fine	0.6
11-Jun-20	9:03	67.8	66.5	72.4		67.8	Sunny	0.6
19-Jun-20	9:25	68.5	65.7	71.9	75	68.5	Sunny	0.7
23-Jun-20	9:06	68.4	66.7	72.8		68.4	Sunny	0.6
29-Jun-20	9:22	69.7	66.0	72.5		69.7	Sunny	0.9

NMS 4 Tin Liu

		Measi	ured Noise	Level	Limit Lovel	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lilliit Level	Construction Noise Level	Weather	Speed
		Unit: dB(A) 30 Mins						(m/s)
2-Jun-20	10:23	68.2	65.4	70.5		68.2	Fine	0.6
11-Jun-20	10:15	67.3	65.8	70.6		67.3	Sunny	0.6
19-Jun-20	10:37	68.5	65.3	70.2	75	68.5	Sunny	0.7
23-Jun-20	10:18	67.5	66.0	71.1		67.5	Sunny	0.6
29-Jun-20	10:34	67.9	65.4	70.8		67.9	Sunny	0.9

NMS 5A Wai Wah Centre

111110 07 11	ino oa mai man ochic											
		Measi	ured Noise	Level	Limit Lovel	Construction Noise Level		Wind				
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Construction Noise Level	Weather	Speed				
				Unit	ns		(m/s)					
2-Jun-20	16:31	70.3	68.4	75.2		70.3	Fine	0.6				
11-Jun-20	16:23	69.9	68.8	75.3		69.9	Sunny	0.6				
19-Jun-20	16:45	71.3	68.5	74.9	75	71.3	Sunny	0.7				
23-Jun-20	16:26	68.5	69.0	75.8		68.5	Sunny	0.6				
29-Jun-20	16:42	70.7	68.8	75.5		70.7	Sunny	0.9				

NMS 6A Wai Wah Centre

NWS OA Wai Waii Centre											
		Measu	ured Noise	Level	Construction Noise Level		Wind				
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Construction Noise Level	Weather	Speed (m/s)			
			Unit: dB(A) 30 Mins								
2-Jun-20	15:50	70.3	67.5	73.5		70.3	Fine	0.6			
11-Jun-20	15:42	69.9	68.1	73.7		69.9	Sunny	0.6			
19-Jun-20	16:04	70.7	67.5	73.1	75	70.7	Sunny	0.7			
23-Jun-20	15:45	70.0	68.0	74.0		70.0	Sunny	0.6			
29-Jun-20	16:01	70.1	67.5	73.5		70.1	Sunny	0.9			

NMS 7 Tin Liu

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Construction Noise Level	Weather	Speed
				(m/s)				
2-Jun-20	13:06	70.1	65.3	73.4		70.1	Fine	0.6
11-Jun-20	12:58	69.3	66.0	73.5		69.3	Sunny	0.6
19-Jun-20	13:20	71.1	65.4	73.1	75	71.1	Sunny	0.7
23-Jun-20	13:01	70.6	67.3	74.0	1	70.6	Sunny	0.6
29-Jun-20	13:17	72.1	66.5	73.7	1	72.1	Sunny	0.9

NMS 8 Shatin Plaza

Time of oriental Field											
		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind			
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Construction Noise Level	Weather	Speed			
		Unit: dB(A) 30 Mins						(m/s)			
1-Jun-20	15:31	70.2	66.7	71.5		70.2	Sunny	0.4			
12-Jun-20	15:23	69.8	67.1	71.6		69.8	Sunny	0.9			
18-Jun-20	15:45	71.6	66.8	71.2	75	71.6	Sunny	0.7			
24-Jun-20	15:26	70.9	67.3	72.1]	70.9	Sunny	0.6			
30-Jun-20	15:42	71.4	67.1	71.8		71.4	Sunny	1.3			

NMS 9 Lek Yuen Estate

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
1-Jun-20	16:44	66.2	62.8	67.4		66.2	Sunny	0.5
12-Jun-20	16:36	65.3	63.2	67.5		65.3	Sunny	1.0
18-Jun-20	16:58	66.6	62.9	67.1	75	66.6	Sunny	0.6
24-Jun-20	16:39	63.9	63.4	68.0		63.9	Sunny	0.6
30-Jun-20	16:55	69.0	63.2	67.7		69.0	Sunny	1.1

NMS 10A Shatin Tsung Tsin School

NMS TOA Shatiii Tsung Tsin School											
		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind			
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Construction Noise Level	Weather	Speed			
			•	Unit	: dB(A) 30 Mi	ns		(m/s)			
1-Jun-20	14:55	65.2	62.1	68.2		65.2	Sunny	0.6			
12-Jun-20	14:47	64.8	62.5	68.3		64.8	Sunny	0.6			
18-Jun-20	15:09	67.6	62.2	67.9	70	67.6	Sunny	0.6			
24-Jun-20	14:50	64.9	63.1	68.8		64.9	Sunny	8.0			
30-Jun-20	15:06	66.0	62.4	68.5	1	66.0	Sunny	1.0			

^{*}Note: The examination schedule was provide in Appendix E.

NMS 11 Sheung Wo Che

Date	Start Time	Meası	red Noise		Limit Level	Construction Noise Level	Weather	Wind Speed
Date	Start Time	Leq	L ₉₀	L ₁₀			weather	
		Unit: dB(A) 30 Mins						(m/s)
1-Jun-20	13:46	68.1	63.2	69.1		68.1	Sunny	0.6
12-Jun-20	13:38	67.7	63.6	69.2		67.7	Sunny	0.6
18-Jun-20	14:00	70.5	63.3	68.8	75	70.5	Sunny	0.8
24-Jun-20	13:41	69.8	63.8	69.7]	69.8	Sunny	0.3
30-Jun-20	13:57	69.9	63.6	69.4		69.9	Sunny	1.1

NMS 12 SKH Holy Spirit Primary School

INING 12 SKIT	NWIS 12 SKITTION SPIRICE FIRMARY SCHOOL											
		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind				
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Construction Noise Level	Weather	Speed				
				Unit	: dB(A) 30 Mi	ns		(m/s)				
1-Jun-20	11:33	65.0	62.4	68.8		65.0	Sunny	0.6				
12-Jun-20	11:25	64.6	62.8	68.9		64.6	Sunny	0.6				
18-Jun-20	11:47	68.4	62.5	68.5	70	68.4	Sunny	0.8				
24-Jun-20	11:28	65.7	63.0	69.4	1	65.7	Sunny	0.5				
30-Jun-20	11:44	66.8	62.8	69.1		66.8	Sunnv	1.1				

^{*}Note: The examination schedule was provide in Appendix E.

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

NMS 13 Lek Yuen Estate

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L_{eq}	L ₉₀	L ₁₀	Lillit Level	Construction Noise Level	Weather	Speed
			•	Unit: dB(A) 30 Mins				(m/s)
1-Jun-20	11:05	68.2	62.7	70.3		68.2	Sunny	0.5
12-Jun-20	10:57	65.8	63.1	70.4		65.8	Sunny	1.1
18-Jun-20	11:19	70.6	62.8	70.0	75	70.6	Sunny	0.6
24-Jun-20	11:00	68.9	63.3	70.9		68.9	Sunny	0.3
30-Jun-20	11:16	72.0	63.1	70.6		72.0	Sunny	0.6

NMS 14 Sheung Wo Che

		Measu	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{ea}	L ₉₀	L ₁₀	Lillit Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mi	ns		(m/s)
1-Jun-20	14:22	68.2	64.3	71.5		68.2	Sunny	0.5
12-Jun-20	14:14	65.8	64.7	71.6		65.8	Sunny	0.4
18-Jun-20	14:36	67.6	64.4	71.2	75	67.6	Sunny	0.8
24-Jun-20	14:17	64.9	64.9	72.1		64.9	Sunny	0.9
30-Jun-20	14:33	68.0	64.7	71.8		68.0	Sunny	1.3

NMS 15 Ha Wo Che

Date	Start Time	Meası L _{ea}	ured Noise	Level	Limit Level	Construction Noise Level	Weather	Wind Speed
		-eq			dB(A) 30 Mi	ns		(m/s)
2-Jun-20	15:08	67.3	63.2	69.4		67.3	Fine	0.6
11-Jun-20	15:00	64.9	63.6	69.5		64.9	Sunny	0.6
19-Jun-20	15:22	68.7	63.3	69.1	75	68.7	Sunny	0.7
23-Jun-20	15:03	64.0	63.8	70.0		64.0	Sunny	0.6
29-Jun-20	15:19	67.1	63.6	69.7		67.1	Sunny	0.9

NMS 16 Ha Wo Che

		Measured Noise Level			l imit l evel	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Constituction Noise Level	Weather	Speed
				(m/s)				
2-Jun-20	14:30	67.3	64.0	72.3		67.3	Fine	0.4
11-Jun-20	14:22	65.9	64.4	72.4		65.9	Sunny	0.9
19-Jun-20	14:44	66.7	64.1	72.0	75	66.7	Sunny	0.7
23-Jun-20	14:25	66.0	64.6	72.9		66.0	Sunny	0.6
29-Jun-20	14:41	66.1	64.4	72.6		66.1	Sunny	1.3

NMS 17 Shatin Pui Ying College

		3	3 -								
		Measured Noise Level			Limit Level	Construction Noise Level		Wind			
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Constitution Noise Level	Weather	Speed (m/s)			
			Unit: dB(A) 30 Mins								
1-Jun-20	9:44	64.2	62.3	69.7	65	64.2	Sunny	0.6			
12-Jun-20	9:36	63.8	62.7	69.8	05	63.8	Sunny	0.5			
18-Jun-20	9:58	64.6	62.4	69.4		64.6	Sunny	0.8			
24-Jun-20	9:39	63.9	62.9	70.3	70	63.9	Sunny	0.5			
30-Jun-20	9:55	64.0	62.7	70.0	1	64.0	Sunny	1.1			

*Note: The examination schedule was provide in Appendix E.

NMS 18 Ha Wo Che

111110 10 110								
	Start Time	Measured Noise Level			Limit Level	Construction Noise Level		Wind
Date		L _{eq}	L ₉₀	L ₁₀	Lillin Level	Construction Noise Level	Weather	Speed
				(m/s)				
2-Jun-20	14:00	65.2	60.9	67.3		65.2	Fine	0.4
11-Jun-20	13:52	64.8	61.3	67.4		64.8	Sunny	0.9
19-Jun-20	14:14	66.6	61.0	67.0	75	66.6	Sunny	0.7
23-Jun-20	13:55	65.9	61.5	67.9		65.9	Sunny	0.6
29-Jun-20	14:11	68.0	61.3	67.6		68.0	Sunny	1.3

 $\label{eq:Calculated CNL} \textbf{Calculated CNL} = \textbf{Measured Noise Level during operation} - \textbf{Baseline (} \ \textbf{dB(A))}.$

NMS 19 Wo Che Estate

		Measu	red Noise	Level	Limit Level	Construction Noise Level	Weather	Wind		
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillil Level	Construction Noise Level		Speed (m/s)		
			Unit: dB(A) 30 Mins							
1-Jun-20	9:13	67.7	63.2	69.1		67.7	Sunny	0.6		
12-Jun-20	9:05	67.3	63.6	69.2		67.3	Sunny	0.9		
18-Jun-20	9:27	68.1	63.3	68.8	75	68.1	Sunny	0.7		
24-Jun-20	9:08	65.4	63.8	69.7		65.4	Sunny	0.8		
30-Jun-20	9:24	66.5	63.6	69.4		66.5	Sunny	1.1		

NMS 20 Wo Che Estate

			red Noise	Level	l imit l evel	Construction Noise Level		Wind
Date	Start Time	Lea	L ₉₀	L ₁₀	Lillin Level		Weather	Speed
					(m/s)			
1-Jun-20	8:41	67.5	63.4	69.3		67.5	Sunny	0.5
12-Jun-20	8:33	67.1	63.8	69.4		67.1	Sunny	0.7
18-Jun-20	8:55	67.9	63.5	69.0	75	67.9	Sunny	8.0
24-Jun-20	8:36	69.7	64.0	69.9		69.7	Sunny	0.4
30-Jun-20	8:52	71.9	63.8	69.6	1	71.9	Sunny	0.9

NMS 23 Pai Tau

		u u.u										
ſ			Measu	red Noise	Level	Limit Level	Construction Noise Level		Wind			
١	Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillin Level	Construction Noise Ecver	Weather	Speed (m/s)			
l				Unit: dB(A) 30 Mins								
	2-Jun-20	11:35	67.1	64.0	69.8		67.1	Fine	0.4			
I	11-Jun-20	11:27	66.7	64.4	69.9		66.7	Sunny	0.9			
ſ	19-Jun-20	11:49	68.5	64.1	69.5	75	68.5	Sunny	0.7			
I	23-Jun-20	11:30	67.8	64.6	70.4		67.8	Sunny	0.6			
ſ	29-Jun-20	11:46	68.9	64.4	70.1		68.9	Sunny	1.3			

NMS 24 Shatin Plaza

INIVIO ZT O	matim i laz	NINO 24 CHALIII I IAZA												
		Measured Noise Level			Limit Lovel	Construction Noise Level		Wind						
Date	Date Start Time		L ₉₀	L ₁₀	Lillin Level	Constituetion Noise Level	Weather	Speed						
					(m/s)									
1-Jun-20	16:08	68.7	66.1	72.4		68.7	Sunny	0.5						
12-Jun-20	16:00	68.3	66.5	72.5		68.3	Sunny	0.6						
18-Jun-20	16:22	70.1	66.2	72.1	75	70.1	Sunny	0.8						
24-Jun-20	16:03	69.4	66.7	73.0		69.4	Sunny	0.3						
30-Jun-20	16:19	70.5	66.5	72.7		70.5	Sunny	0.9						

NMS 25A Sheung Wo Che

	Start Time	Measured Noise Level			l imit l evel	Construction Noise Level		Wind
Date		L _{ea}	L ₉₀	L ₁₀	Lillin Level	Constituction Noise Level	Weather	Speed
				(m/s)				
1-Jun-20	13:07	68.7	65.9	72.8		68.7	Sunny	0.6
12-Jun-20	12:59	68.3	66.3	72.9		68.3	Sunny	1.2
18-Jun-20	13:21	69.1	66.0	72.5	75	69.1	Sunny	0.8
24-Jun-20	13:02	68.4	66.5	73.4		68.4	Sunny	0.6
30-Jun-20	13:18	68.5	66.3	73.1		68.5	Sunny	0.5

NMS 26 Wo Che Estate

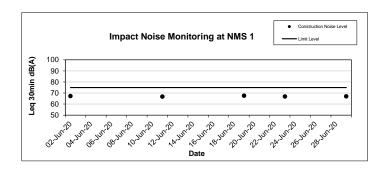
THIS 20 TO GIIS ESLATO												
		Measured Noise Level			Limit Level	Construction Noise Level		Wind				
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Lillit Level	Construction Noise Level	Weather	Speed				
				(m/s)								
1-Jun-20	10:22	72.0	68.4	75.2		72.0	Sunny	0.5				
12-Jun-20	10:14	71.6	68.8	75.3		71.6	Sunny	8.0				
18-Jun-20	10:36	74.4	66.5	74.9	75	74.4	Sunny	0.7				
24-Jun-20	10:17	73.7	70.0	75.8		73.7	Sunny	0.7				
30-Jun-20	10:33	73.8	69.8	75.5		73.8	Sunny	1.1				

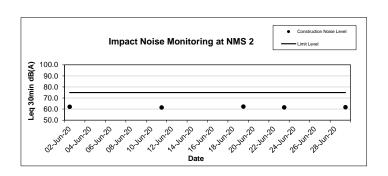
NMS 27 Jockey Club Ti-I College

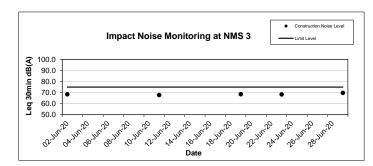
111110 21 0	Amo 21 tookey oldb 111 college												
	Start Time	Measured Noise Level			Limit Loval	Construction Noise Level		Wind					
Date		L _{eq}	L ₉₀	L ₁₀	Liiiii Levei	Construction Noise Level	Weather	Speed					
				(m/s)									
2-Jun-20	13:09	64.7	60.3	68.9		64.7	Fine	0.4					
11-Jun-20	13:01	64.3	60.7	69.0	70	64.3	Sunny	0.9					
19-Jun-20	13:23	67.1	58.4	68.6	70	67.1	Sunny	0.7					
23-Jun-20	13:04	66.4	61.9	69.5		66.4	Sunny	0.6					
29-Jun-20	13:20	64.4	61.7	69.2	65	64.4	Sunny	1.3					

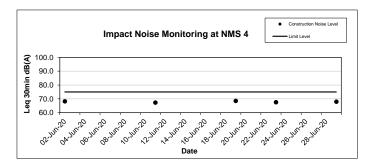
*Note: The examination schedule was provide in Appendix E.

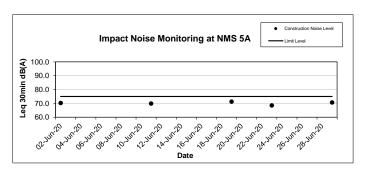
Calculated CNL = Measured Noise Level during operation – Baseline (dB(A)).

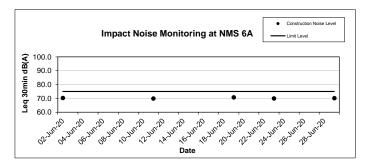


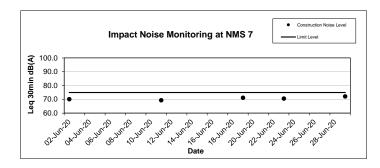


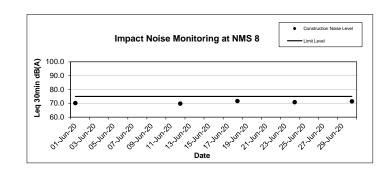


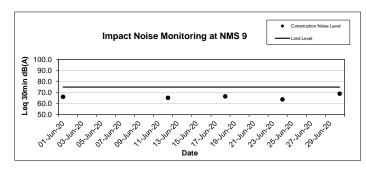


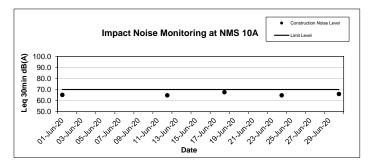


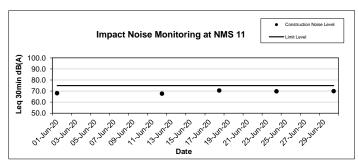


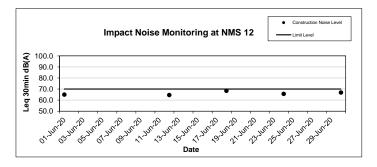


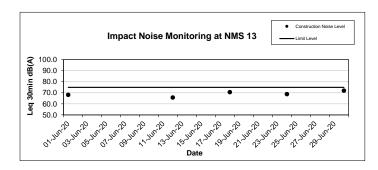


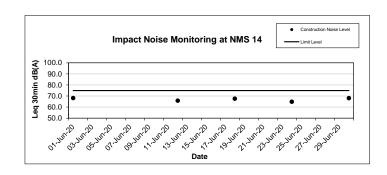


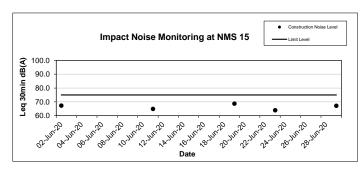


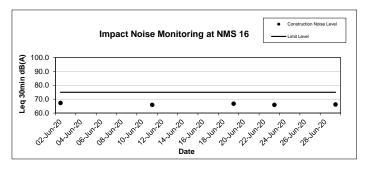


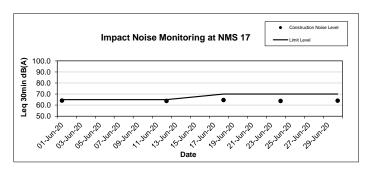


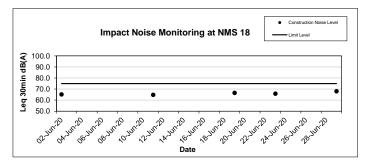


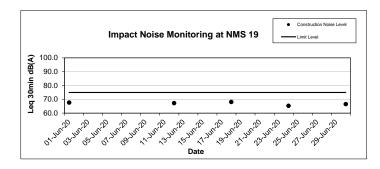


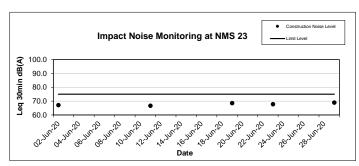


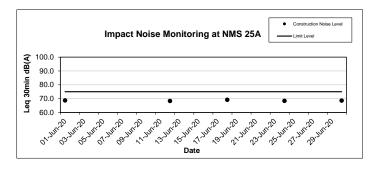


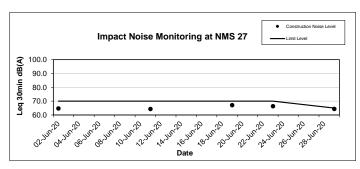


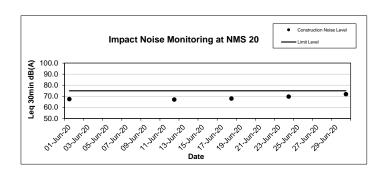


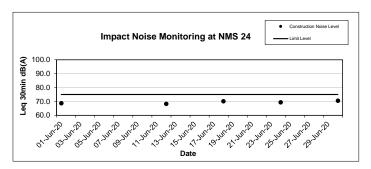


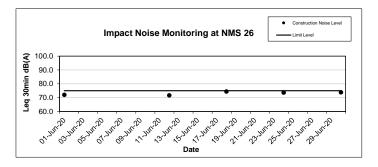












Night Time Noise Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

NMS 1 Scenery Court

							oniony ocurr	
Wind Speed (m/s)	Weather	Corrected Noise Level (dB(A))	Limit Level (dB(A))	Baseline Range (dB(A))	Baseline (dB(A))	Average Leq (15 min) (dB(A))	Start Time	Date
0.2	Overcast	Measured Noise Level <baseline< td=""><td>55</td><td></td><td></td><td>57.7</td><td>23:03</td><td>4-Jun-20</td></baseline<>	55			57.7	23:03	4-Jun-20
0.4	Fine	Measured Noise Level <baseline< td=""><td>55</td><td>E2 0 66 2</td><td>61.4</td><td>56.8</td><td>23:00</td><td>11-Jun-20</td></baseline<>	55	E2 0 66 2	61.4	56.8	23:00	11-Jun-20
0.2	Fine	Measured Noise Level <baseline< td=""><td>55</td><td>52.6 - 66.5</td><td>01.4</td><td>56.5</td><td>23:02</td><td>18-Jun-20</td></baseline<>	55	52.6 - 66.5	01.4	56.5	23:02	18-Jun-20
0.5	Fine	Measured Noise Level <baseline< td=""><td>55</td><td></td><td></td><td>56.7</td><td>23:00</td><td>23-Jun-20</td></baseline<>	55			56.7	23:00	23-Jun-20
	Fine	Measured Noise Level <baseline< td=""><td>55</td><td>52.8 - 66.3</td><td>61.4</td><td>56.5</td><td>23:02</td><td>18-Jun-20</td></baseline<>	55	52.8 - 66.3	61.4	56.5	23:02	18-Jun-20

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)
5-Jun-20	2:35	44.7			55	Measured Noise Level <limit level<="" td=""><td>Overcast</td><td>0.2</td></limit>	Overcast	0.2
12-Jun-20	2:35	45.2	49.7	40.1 - 58.2	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2
19-Jun-20	2:35	49.4	45.7		55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.3</td></limit>	Fine	0.3
24-Jun-20	2:31	50.9			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6

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)
4-Jun-20	23:00	61.4			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.2</td></baseline<>	Overcast	0.2
11-Jun-20	23:00	61.6	70.9	60.2 - 78.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
18-Jun-20	23:00	62.1	70.5	00.2 - 70.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
23-Jun-20	23:00	61.5			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5

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)
5-Jun-20	2:44	57.4			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.3</td></baseline<>	Overcast	0.3
12-Jun-20	2:40	58.9	62.6	53.1 - 68.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
19-Jun-20	2:35	59.1	02.0	33.1 - 00.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
24-Jun-20	2:33	60.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5

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)
4-Jun-20	23:18	67.6			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.3</td></baseline<>	Overcast	0.3
11-Jun-20	23:21	67.7	67.9	62.0 - 75.2	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
18-Jun-20	23:22	66.5	01.0	02.0 70.2	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
23-Jun-20	23:24	66.5			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5

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)
4-Jun-20	23:22	68.4			55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.2</td></baseline<>	Overcast	0.2
11-Jun-20	23:23	68.4	71.5	65.0 - 85.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
18-Jun-20	23:22	66.9	71.5	05.0 - 65.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
23-Jun-20	23:25	66.2	1		55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5

NMS 7 Tin Liu

141412 / 1111	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)
5-Jun-20	2:35	55.8		51.4 - 65.5	55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.2</td></baseline<>	Overcast	0.2
12-Jun-20	2:26	56.8	59.0	51.4 - 65.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
19-Jun-20	2:25	57.1	39.0	51.4 - 65.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
24lun-20	2:23	58.0		51 4 - 65 5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6

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)
4-Jun-20	23:47	56.5		55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.2</td></baseline<>	Overcast	0.2
11-Jun-20	23:48	57.4	64.4	55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
18-Jun-20	23:47	58.2	04.4	55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
23-Jun-20	23:48	58.7		55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5

NMS 9 Lek Yuen Estate

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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-Jun-20	0:17	56.1		39.5 - 63.1	55	52.7*	Overcast	0.2
12-Jun-20	0:18	56.1	53.5	39.5 - 63.1	55	52.7*	Fine	0.2
19-Jun-20	0:17	56.1	33.3	39.5 - 63.1	55	52.7*	Fine	0.3
24-Jun-20	0:19	56.5	1	39.5 - 63.1	55	53.5*	Fine	0.6

*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A). Note:

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)
5-Jun-20	1:58	56.5		46.1 - 62.8	55	53.7*	Overcast	0.6
12-Jun-20	1:54	56.9	53.2	46.1 - 62.8	55	54.6*	Fine	0.6
19-Jun-20	1:50	57.2	53.2	46.1 - 62.8	55	55.0**	Fine	0.6
24-Jun-20	1:53	55.8		46.1 - 62.8	55	52.3*	Fine	0.3

Note:

*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).
**Corrected Noise Level in Leq (15min) dB(A) was 54.9825 dB(A), which 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)
5-Jun-20	0:34	58.0		45.4 - 72.5	55	49.5*	Overcast	0.2
12-Jun-20	0:30	57.5	57.3	45.4 - 72.5	55	44.0*	Fine	0.4
19-Jun-20	0:31	56.3	37.3	45.4 - 72.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
24-Jun-20	0:29	57.2		45.4 - 72.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5

Note: *Corrected Noise Level in Leq (15min) dB(A) was/were 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)
5-Jun-20	1:45	53.4		46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Overcast</td><td>0.2</td></limit>	Overcast	0.2
12-Jun-20	1:46	53.6	54.1	46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2
19-Jun-20	1:45	56.0]	46.1 - 62.8	55	51.5*	Fine	0.3
24-Jun-20	1:48	56.4		46.1 - 62.8	55	52.5*	Fine	0.5

Note: *Corrected Noise Level in Leq (15min) dB(A) was/were 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)
5-Jun-20	2:01	58.5		48.4 - 69.7	55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.2</td></baseline<>	Overcast	0.2
12-Jun-20	2:00	58.8*	58.8	48.4 - 69.7	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
19-Jun-20	1:58	58.7	00.0	48.4 - 69.7	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
24-Jun-20	2:01	58.6		48.4 - 69.7	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5

Note: *Measured Noise Level in Leq (15min) dB(A) was 58.7947 dB(A), which was lower than Baseline level: 58.8 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)
5-Jun-20	1:20	55.4		51.4 - 69.5	55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.2</td></baseline<>	Overcast	0.2
12-Jun-20	1:21	55.4	60.1	51.4 - 69.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
19-Jun-20	1:20	59.0	00	51.4 - 69.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
24-Jun-20	1:23	59.5		51.4 - 69.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5

NMS 18 Ha Wo Che

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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-Jun-20	1:01	54.0		56.0 - 72.1	55	Measured Noise Level <limit level<="" td=""><td>Overcast</td><td>0.2</td></limit>	Overcast	0.2
12-Jun-20	1:02	54.0	63.2	56.0 - 72.1	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.2</td></limit>	Fine	0.2
19-Jun-20	1:01	57.4	03.2	56.0 - 72.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3
24-Jun-20	1:03	58.8		56.0 - 72.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6

NMS 19 Wo Che Estate

111110 10 11		ruic						
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-Jun-20	1:21	61.9		53.8 - 72.8	55	47.6*	Overcast	0.2
12-Jun-20	1:18	60.7	61.7	53.8 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.0</td></baseline<>	Fine	0.0
19-Jun-20	1:20	60.1	01.7	53.8 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2
24-Jun-20	1:23	60.2		53.8 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5

Note: *Corrected Noise Level in Leq (15min) dB(A) was/were 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)				
5-Jun-20	1:33	57.0		48.6 - 71.7	55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.2</td></baseline<>	Overcast	0.2				
12-Jun-20	1:30	57.1	57.7	48.6 - 71.7	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.0</td></baseline<>	Fine	0.0				
19-Jun-20	1:33	58.0	57.7	48.6 - 71.7	55	45.9*	Fine	0.2				
24-Jun-20	1:36	59.0		48.6 - 71.7	55	53.0*	Fine	0.6				

Note: *Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

NMS 23 Pai Tau

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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-Jun-20	2:12	57.5		47.8 - 69.8	55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.2</td></baseline<>	Overcast	0.2				
12-Jun-20	2:13	57.3	59.9	47.8 - 69.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2				
19-Jun-20	2:12	59.1	59.9	47.8 - 69.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3				
24-Jun-20	2:14	59.6		47.8 - 69.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6				

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-Jun-20	0:14	59.0		50.2 - 66.7	55	52.3*	Overcast	0.2
12-Jun-20	0:12	58.3	58.0	50.2 - 66.7	55	46.1*	Fine	0.4
19-Jun-20	0:13	58.8	00.0	50.2 - 66.7	55	51.3*	Fine	0.2
24-Jun-20	0:12	58.4		50.2 - 66.7	55	47.5*	Fine	0.6

Note: *Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

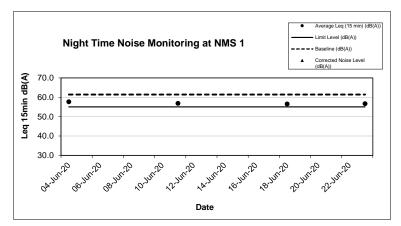
NMS 25A Sheung Wo Che

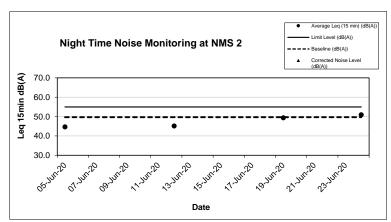
Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
5-Jun-20	2:24	59.4		50.3 - 68.4	55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.5</td></baseline<>	Overcast	0.5
12-Jun-20	2:20	59.7	59.7	50.3 - 68.4	55	40.2*	Fine	0.6
19-Jun-20	2:21	58.2	33.7	50.3 - 68.4	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
24-Jun-20	2:20	58.4		50.3 - 68.4	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4

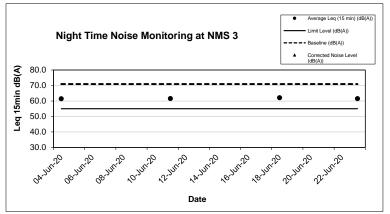
Note: *Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

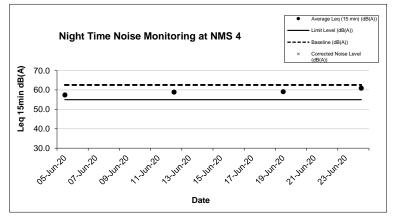
NMS 26 Wo Che Estate

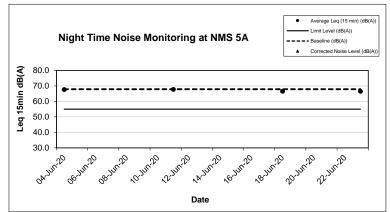
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Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)				
5-Jun-20	0:42	58.7		45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Overcast</td><td>0.2</td></baseline<>	Overcast	0.2				
12-Jun-20	0:43	58.7	61.2	45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.2</td></baseline<>	Fine	0.2				
19-Jun-20	0:42	58.7	01.2	45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.3</td></baseline<>	Fine	0.3				
24-Jun-20	0:45	59.1	1	45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5				

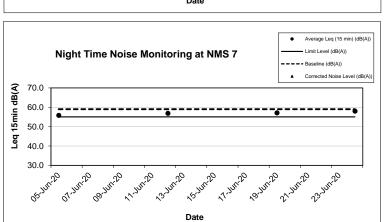


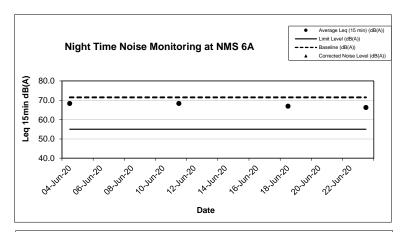


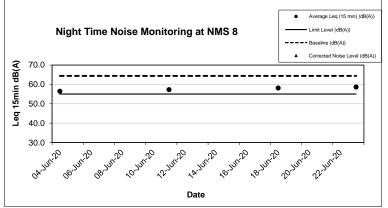


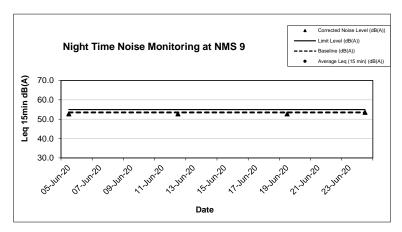


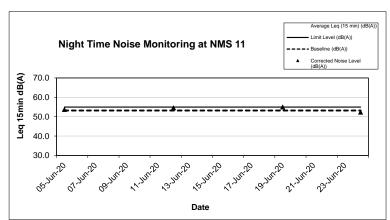


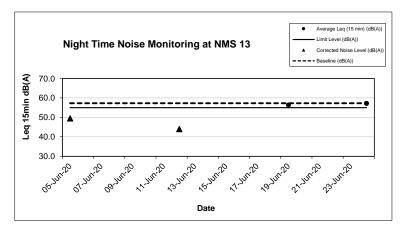


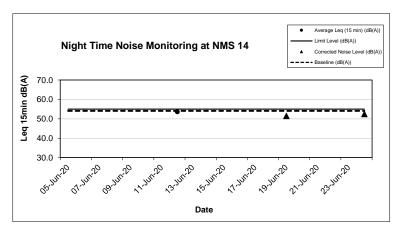


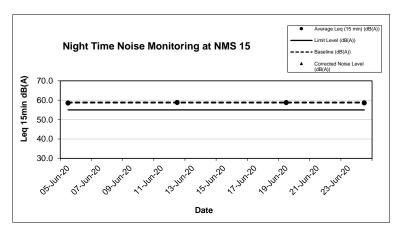


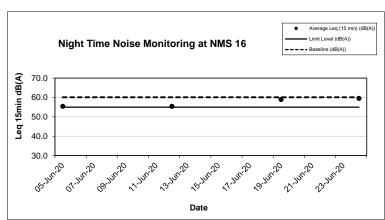


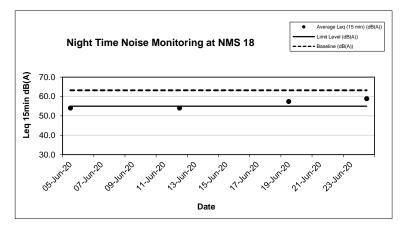


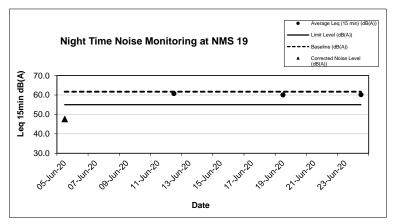


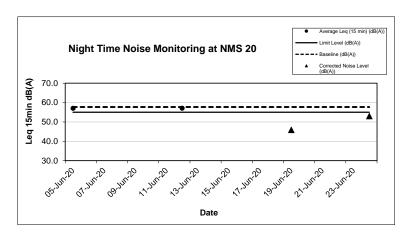


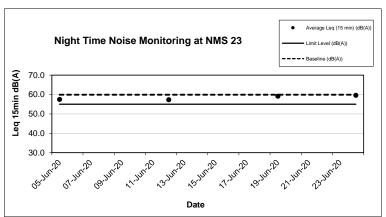


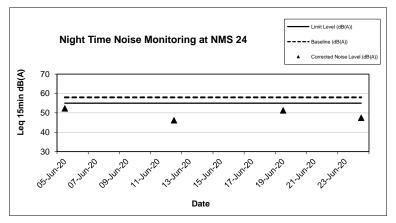


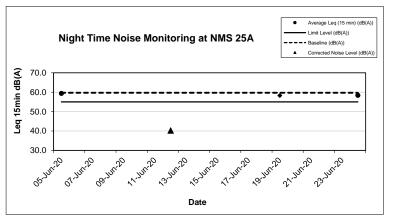


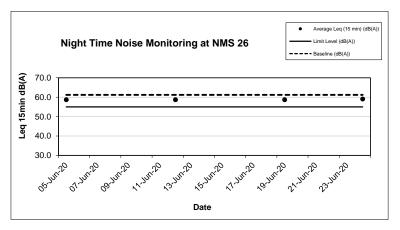












Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong. Tel : +852 2450 8233 Fax : +852 2450 6138 E-mail : matlab@fugro.com Website : www.fugro.com



Appendix H

Events and Action Plan

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



Event and Action Plan for Construction Dust Monitoring

EVENT	Event and Action Plan for Construction Dust Monitoring ACTION								
LVLIVI	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.	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.	1. Confirm receipt of notification of failure in writing. 2. Notify the Contractor. 3. Ensure remedial measures properly implemente d.	1. Submit proposals for remedial actions to IEC within 3 working days of notification. 2. Implement the agreed proposals. 3. Amend proposal if appropriate.					
Limit Level									
1. Exceedance for one sample	1. Identify the source. 2. Inform the SO and the EPD. 3. Repeat measurement to confirm findings. 4. Increase monitoring frequency to daily. 5. Assess effectiveness of Contractor's remedial actions and keep the IEC, the EPD and the SO informed of the results.	1. Check monitoring data submitted by the ET Leader. 2. Check Contractor's working method. 3. Discuss with the ET Leader and the Contractor on possible remedial measures. 4. Advise the SO on the effectiveness of the proposed remedial measures. 5. Supervisor implementation of remedial measures.	1. Confirm receipt of notification of failure in writing. 2. Notify the Contractor. 3. Ensure remedial measures are properly implemented.	1. Take immediate action to avoid further exceedance. 2. Submit proposals for remedial actions to IEC within 3 working days of notification. 3. Implement the agreed proposals. 4. Amend proposal if appropriate.					
2. Exceedance	Notify the IEC, the SO and the EPD and the	Discuss amongst the SO, ET	Confirm receipt of	Take immediate action to avoid					

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EVENT		ACTION	ACTION					
	ET Leader	IEC	SO	Contractor				
for two or more consecutive samples	Contractor. 2. Identify the source. 3. Repeat measurement to confirm findings. 4. Increase monitoring frequency to daily. 5. Carry out analysis of the Contractor's working procedures to determine possible mitigation to be implemented. 6. Arrange meeting with the IEC and the SO to discuss the remedial actions to be taken. 7. Assess effectiveness of Contractor's remedial actions and keep the IEC, the EPD and the SO informed of the results. 8. 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.				

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



Event and Action Plan for Noise Impact

EVENT		ACTION	J	
	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. 	1. Review the analysed results submitted by the ET. 2. Review the proposed remedial measures by the Contractor and advise the SO accordingly. 3. 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. 	1. Discuss amongst the SO, the ET 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. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing. 2. Notify the Contractor. 3. Require the Contractor to propose remedial measures for the analysed noise problem. 4. Ensure remedial measures are properly implemented. 5. 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.	1. Take immediate action to avoid further exceedance, 2. Submit proposals for remedial actions to IEC within 3 working days of notification. 3. Implement the agreed proposals 4. Resubmit proposals if problem still not under control 5. Stop the relevant activity of works as determined by the SO until the exceedance is abated.

Fugro 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



Event and Action Plan for Landscape and Visual Impact

Formut			Action	
Event		ET	SO	Contractor
Non-conformity one occasion	on	Identify Source; Inform the Contractor and the	Notify Contractor; and Ensure remedial	Amend working methods; Rectify damage
		SO; 3. Discuss remedial actions with the SO and the Contractor; and	measures are properly implemented.	and undertake any necessary replacement.
December 1	N	4. Monitor remedial actions until rectification has been completed	A Notific Contractor	
Repeated conformity	Non-	 Identify Source; Inform the 	Notify Contractor; and	Amend working methods;
Comoning		Contractor and the SO; Increase monitoring frequency; Discuss remedial actions with the SO and the Contractor; Monitor remedial actions until rectification has been completed; and	2. Ensure remedial measures are properly implemented.	2. Rectify damage and undertake any necessary replacement.
		6. If exceedance stops, cease additional monitoring.		

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



Appendix I

Waste Flow Table

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.



Waste Flow	/ Table for Ye	ear 2018									
		Actual Quan	tities of Inert C&I	O Materials Gene	rated Monthly		Actual Quantities of Non-inert C&D Wastes Generated Monthly				
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

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.



Waste Flow Table for Year 2019											
		Actual Qua	antities of Inert C&	D Materials Genera	ted Monthly		Actual Quantities of Non-inert C&D Wastes Generated Monthly				
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	antities of Inert C&	D Materials Genera	ted Monthly		Actual Quantities of Non-inert C&D Wastes Generated Monthly				
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	0.450	0.000	0.000	0.000	0.450	0.000	0.002	0.085	0.003	0.000	0.025
2020 May	1.144	0.000	0.000	0.000	1.144	0.319	0.001	0.021	0.005	0.000	0.027
2020 Jun	3.660	0.000	0.000	0.000	3.660	0.077	0.001	0.027	0.004	0.000	0.048
Sub-Total	7.332	0.000	0.075	0.000	7.257	0.498	0.006	0.189	0.016	0.000	0.206
2020 Jul											
2020 Aug											
2020 Sep											
2020 Oct											
2020 Nov											
2020 Dec											
Total	7.332	0.000	0.075	0.000	7.257	0.498	0.006	0.189	0.016	0.000	0.206

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.

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



Appendix J

Environmental Mitigation Implementation Schedule (EMIS)

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.



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		Use of well-maintained and regularly-serviced plant during the works.	Contractor	Implemented
Table 3.10	14001 1 41	 Plant operating on intermittent basis should be turned off or throttled down when not in active use. 	Contractor	Implemented
	Within the boundaries of all construction	• 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	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

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.



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. 		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. 	Contractor	Implemented
4.12.1 and	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. 		Implemented
4.12.2	construction	• 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

Fugro Development Centre, 5 Lok Yi Street, Tai Lam, Tuen Mun, N.T., Hong Kong.



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	Partially 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	Partially 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. 		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. 		Implemented
4.12.1		 The Contractor shall provide a wheel washing facility at the exits from work areas to the satisfaction of the Engineer and to the requirements of the Commissioner of Police. Water in wheel washing facilities and sediment shall be changed and removed respectively at least once a month. 		Not Applicable
		 The Contractor shall submit details of the wheel washing facilities, which shall be usable prior to any earthworks excavation activity on the construction site. The Contractor shall also provide a hard-surfaced road between any washing facility and the public road. 		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. 		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: 		Partially Implemented
		• Construction works should be programmed so as to minimise excavation during the wet season (April to September). If this is not possible then measures should be taken to minimise the areas exposed by covering temporary exposed slopes with tarpaulins or similar material, the protection of temporary road surfaces with gravel or crushed stone and the early reinstatement of final surfaces with hydro seed grass/shrub mixture. This latter measure would have the added benefit of reducing the windblown dust during the dry season. Where temporary covering of slopes is required this should be carried out before the onset of the rainfall or storm.	Contractor	Implemented
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
		• 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.		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	Partially Implemented
		• The efficiency of the interceptor channels, traps and sedimentation chambers should be maintained	Contractor	Partially Implemented

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		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	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. 		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	Partially Implemented

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		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	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 th Inspection should be included: 	e recommended n	nitigation measures.
		(i) The functioning of onsite surface water collection channels and sediment traps.	Contractor	Implemented
		(ii) The functioning of interception channels at the boundary of the works areas	Contractor	Implemented
		(iii) The covering of stockpiles of fill and construction materials and the routing of any run off through the sediment traps.	Contractor	Implemented
Section 12.6 of the		(iv) The pumping procedures for emptying trenches and other excavations and the use of silt traps prior to the discharge of the water to the storm water system.	Contractor	Implemented
Approved EIA Report		(v) The use of washwater for hosing down concrete mixing and delivery vehicles and other vehicles leaving the site and the routine of excess water from the facility through sediment traps.	Contractor	Not Applicable
		(vi) The operation of the plant maintenance areas to control small spillages and the correct management of the fuel storage bunded area.	Contractor	Not Applicable
		(vii) The connection of the site office wastewater discharge to an existing foul sewer if appropriate or the operation of the kitchen wastewater grease trap and the regular emptying of the chemical toilets	Contractor	Not Applicable
		(viii)The operation of the roof rain water collection and drainage system.	Contractor	Not Applicable
_		Landscape and Visual Mitigation Measures		_
		Construction Phase		
	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.		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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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		• 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. 		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 construction	• 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.		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 10 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	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	Implemented
		 Recommendations of good site practices and waste reduction measures should be stated in order to achieve avoidance and minimization of waste generation in the hierarchy. 	Contractor	Implemented
7.6.5 to 7.6.6		 Environmental Management Plan (EMP) and trip-ticket system shall be implemented for monitoring management of waste. 	Contractor	Implemented
		 Specific measures targeting the mitigation of impacts in works areas and the transportation of spoil off-site should be provided to minimize the potential impacts to the surrounding environment. 	Contractor	Implemented
7.6.7	houndaries of	• 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	s. The items after the
		 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
700, 700	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
7.6.8 to 7.6.9	of	 The promptness of rectification or improvement actions of the Contractor on the defects and deficiencies identified during inspections of the site. 	Contractor	Implemented
		 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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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		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.		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, Handles follows. Containers used for the storage of chemical wastes should: 	ing 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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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		• 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	Implemented
		• be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste if necessary); and	Contractor	Partially 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 chemica (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.		Partially 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

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



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. • 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 Contractor						
EP 1.5		General Condition						
N.A	construction within the Project Boundary.	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	Contractor	Implemented				

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

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Appendix K

Weather and Meteorological Conditions during Reporting Month

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



	_ Mean	,	Air Temperature)	Mean Relative	Total	
Date	Pressure (hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Humidity (%)	Rainfall (mm)	
			June 2020				
1	1010.2	32.2	29.9	28.7	78	Trace	
2	1009.5	30.5	29	27.4	82	6.4	
3	1008.6	32.1	29.8	28.7	76	Trace	
4	1008	32.7	30.1	28.7	75	Trace	
5	1007.3	32.3	30	27.5	78	2.6	
6	1007.2	29.9	26.8	24.1	89	183.8	
7	1005.6	29.4	27.7	24.6	91	107.4	
8	1006.2	29.3	28.6	25.2	88	40.9	
9	1008.2	31.4	29.4	28.1	83	1.3	
10	1008.8	31.7	29.8	28.3	78	0.2	
11	1007.4	33.9	30.2	28.1	76	Trace	
12	1005.4	35	30.4	27.8	75	-	
13	1004	33.7	29.8	27.6	81	11.7	
14	1008.3	31.5	28	26	84	29.3	
15	1011.1	32.6	29.3	26.3	79	0.2	
16	1009.7	31.1	28.6	26.8	81	9.4	
17	1008.3	31.7	29.1	27.5	77	0.9	
18	1008.5	31.8	29.5	27.7	77	0.1	
19	1009.2	32.4	29.9	28.2	74	Trace	
20	1008.5	32.7	30	28.3	74	-	
21	1006.3	32.6	30.2	28.7	76	Trace	
22	1006.4	32.6	30.4	29.2	77	Trace	
23	1007.1	32.6	30.3	29.1	77	-	
24	1006.5	32.9	30.4	29	77	-	
25	1006.4	32.4	30.2	29.1	76	0.1	
26	1007.9	32	30.3	29.4	77	1.3	
27	1008.4	32.5	30.2	28.5	77	1.2	
28	1007.8	33	30.4	28.5	75	Trace	
29	1006.1	34.2	30.5	28.2	74	0.4	
30	1004.6	34.9	30.7	28.7	74	Trace	

Source: Hong Kong Observatory

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



Appendix L

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

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



Environmental Complaints Log

Environment	al 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 15th February 2019 for evaluate the effectiveness on the proposed mitigation measures. No project-related noise exceedance case on 14-15 Feb 2019 Contractor's night tree-felling and removal works. The proposed mitigation measures were effective for noise impact.	20/2/2019
COM-2019- 006	22/2/2019	Project Hotline of NE/2017/05	CCZJV	Noise	26/2/2019	According to the location of complainant from Kwai Wo House, the complaint was related to the project. Although the tree felling works were covered by the valid CNP (GW-RN0783-18), Contractor was reminded to strictly follow and fully comply with the CNP conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during restricted hour. An extended barrier at the top acts as a cantilever shape was recommended to	4/3/2019

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

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

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

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Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Investigation summary & Conclusion	Date of Reply
						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	A resident of Wai Wah Centre complained that noise generated from construction activities at night disturbing the nearby resident. According to the Contractor's information, loading/unloading, steel bar cutting, steel plate grinding and asphalt compaction were carried out in the early hours of 24th Mar 2020. The night work activities were within the site boundary. Also, 4 sides with top cover acoustic enclosure for the portable generator was used during the night work. Furthermore, mitigation measures listed in the CNP were implemented for PMEs and works activities. Three sides with top cover enclosure and additional acoustic comprised with 50 mm sound absorbing lining were used for night works activities. ET analysed that the complaint noise source should not be project-related construction noise.	07/04/2020

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COM-2020- 0090	27/03/2020	Project hotline	CCZJV	Noise	27/03/2020	Both complaint cases were concerning about the noise nuisance generated from the construction work activities at night time disturbing the nearby Wai Wah Centre residence. According to the Main Contractor, similar nature of major construction works carried out between 03:00 a.m. and 04:00 a.m. on 27th & 28th March 2020 was the asphalt compaction for the road surface remedial works at zone 2 south lane adjacent to Wai Wah Centre. The Main Contractor complied with CNP No.: GW-RN0002-20 that is within the allowable construction site location and within the site boundary to carry out night work on loading and	04/05/2020
COM-2020- 0091	28/03/2020	Project hotline	CCZJV	Noise	28/03/2020	unloading works. ET conduct regular night-time noise monitoring at all monitoring stations between 23:00 26 th March 2020 to 04:00 27 th March 2020, and between 23:00 2 nd April 2020 to 04:00 3 rd April respectively. No exceedance cases were found on both ET regular night-time noise monitoring measurement. ET did not remark onsite any noise related to construction works at above noise monitoring nights for which the results were lower than baseline noise level. Hence, ET analysed that the dominant noise source should be road traffic noise but not the project-related construction noise.	04/03/2020
COM-2020- 0093	06/04/2020	Project hotline	CCZJV	Noise	06/04/2020	The complaint case on 6 th Apr was received by project hotline. The major construction works between (10:00pm – 11:00pm) on 6 th April 2020 was TTA implementation works and asphalt removal works for the road surface remedial work	28/04/2020

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						at zone 2 adjacent to Wai Wah Centre. The Main Contractor complied with CNP No.: GW-RN0152-20 that is within the allowable construction site location and within the site boundary to carry out night work on loading and unloading works. The five noise monitoring stations close to the concerned works area are NMS3, NMS4, NMS5A, NMS6A & NMS7, and NMS5A & NMS6A locate nearest to Wai Wah Centre. The night time noise monitoring results measured at NMS3, 4 & 6A were all lower than that of measured in the baseline, two exceedance case were found at NMS 5A especially NMS 5A & NMS 6A monitoring stations where locate at the Wai Wah Centre. The corrected noise level measured at NMS 7 is lower than the night time limit 55dB (A). Therefore, there was no exceedance cases were found on ET regular night-time noise monitoring measurement. ET analyzed that the dominant noise source should be road traffic noise but not the project-related construction noise.	
COM-2020- 0096	20/04/2020	Project hotline	CCZJV	Noise	20/04/2020	A continues complaint were received on 20 Apr and 21 Apr 2020. A resident of Wai Wah Centre	
COM-2020- 0097	20/04/2020	Project Email	CCZJV	Noise	20/04/2020	filed three complaints about the noise nuisance generated by the nearby construction activities	
COM-2020- 0098	21/04/2020	Project hotline	CCZJV	Noise	21/04/2020	during daytime. Two complaints were made through project hotline on 20 th Apr 2020 at 10:57 a.m. and 21 st Apr 2020 at 9:03 a.m., while the other one was through project email on 20 th Apr 2020 at 12:43 p.m. The noise source(s) of the concerned nuisance during complaint period	19/05/2020

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						should be mini piling works, which is opposite to Wai Wah Centre. According to the contractor's work schedule, major day work activity was minipiling operation since early Feb 2020 at zone 2 in central median at non-restricted hours, from Mondays to Saturdays between 0800 and 1800 not including General Holidays. The mini piling operation on 20 th & 21 st Apr 2020 was carried out at non restricted hours. The limited level of noise generated by the construction of the Project during the non-restricted daytime hours will be 75 dB (A) for dwelling. The mini piling operation on 20 th and 21 st Apr 2020 was carried out at non restricted hours with green tarpaulin curtain and sound proof canvas. The noise level of NMS 5A and NMS 6A on 22 nd Apr 2020 were 73.5 dB (A) and 72.6 dB (A) respectively. No noise exceedance was occurred at NMS 5A and NMS 6A. The construction activity on 22 nd Apr 2020 was similar to 20 th and 21 st Apr 2020. Therefore, ET's day-time monitoring result on 22 nd April 2020 at NMS5A and NMS6A can act as a reference for impact noise from the similar mini-piling operation on 20 th and 21 st April 2020. ET analyzed that the dominant noise source should be road traffic noise but not the project-related construction noise.	
COM-2020- 0099	21/04/2020	Project hotline	CCZJV	Noise	21/04/2020	The complaint cases on 21st Apr 2020 was received by project hotline from Police. According to the complainant who is the local resident at Wai Wah Centre, the noise source(s) of the concerned	05/05/2020

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						nuisance during night works was at zone 2 is opposite to Wai Wah Centre. The major construction works was road surface remedial work since 15 th April 2020 conducted at restricted hours along zone 2 south boundary adjacent to Wai Wah Centre. The Main Contractor complied with CNP No.: GW-RN0152-20 that is within the allowable construction site location and within the site boundary to carry out night work on road surface remedial works. Environmental Team (ET) conduct a regular night-time noise monitoring at all monitoring stations between 23:00 23 rd April 2020 to 04:00 24 th April 2020. The five noise monitoring stations close to the concerned works area are NMS3, NMS4, NMS5A, NMS6A & NMS7, and NMS5A & NMS6A locate nearest to Wai Wah Centre. There were no exceedance on the night time noise monitoring, especially measured at NMS 5A & NMS 6A where locate at the Wai Wah Centre, the measured result at NMS 5A & 6A were all lower than that of measured in the baseline. Therefore, no exceedance cases were found on ET regular night-time noise monitoring measurement. ET analyzed that the dominant noise source should be road traffic noise but not the project-related construction noise.	
COM-2020- 0100	23/04/2020	Project hotline	CCZJV	Noise	23/04/2020	The complaint was received via project hotline on 23 rd April 2020 at 10:45 a.m. A resident of Wai Wah Centre complained that noise generated from operation of the two piling machines	11/05/2020

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						disturbing her daughter's study for DSE examination, and demanding limitation on operation hours of the machines only at two separate periods between 12 noon and 1p.m and 3 p.m. to 6 p.m. According to the Main Contractor, the major construction works at day time (08:00-18:00) on 23 rd April 2020 was mini-piling operation at Zone 2 Central Median of Tai Po Road near Wai Wah Centre. According to the photo records of day-time site condition on 23rd April 2020 provided by Main Contractor, the green tarpaulin curtain was provided for the mini-pile drilling machines so that the bottom part of the mini-pile drilling machine was blocked from view of nearby NSR (e.g. residents at Wai Wah Centre) and an additional layer of sound proof canvas was installed at lower level to mitigate the noise from mini-pile drilling operation. The day-time noise monitoring results measured at NMS3, 4, 5A, 6A and 7 were all lower than the limit level, especially NMS 5A & NMS 6A monitoring stations where locate at the Wai Wah Centre. The monitoring results show no noise exceedance occurred at both locations. Thus, ET day-time monitoring result on 22 nd April 2020 at NMS5 & NMS6 can be act as a reference for impact noise from the similar mini-piling operation activities on 23 rd April 2020. Therefore, there was no exceedance cases were found in ET regular day-time noise monitoring measurement. ET analyzed that the dominant noise source should be road	

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						traffic noise but not the project-related construction noise.	
COM-2020- 0101	28/04/2020	1823	CCZJV	Noise	28/04/2020	The complainant on via ICC1823 on 28th April 2020 complained about the noise and odor nuisance generated from the night-time asphalt laying construction works at Shatin Rural Committee Road (Zone 3) area. Although the main contractor no work at zone 3, but the major night-time construction works was road surface remedial work which was related to the complainant concerned. The major construction works was road surface remedial work since 15th April 2020 at approved restricted hours along zone 2 south boundary adjacent to Wai Wah Centre. Also, Tai Po Road is the main strategic route, implementation of temporary traffic diversion at day time due to loading and unloading material or plant work or road surface remedial work is not feasible. The lorry had been used in TTA implementation & road opening, portable generator and electric handheld breaker had been used in asphalt removal work, dump truck with grab had been used for loading and unloading of asphalt or rubble, vibratory compactor had been used in asphalt compaction for road surface remedial works on 27^28 April 2020. The Main Contractor complied with CNP No.: GW-RN0152-20 that allowed PME used in Group C or Group F. According to the Main Contractor, advance "Notice to Affected Residents" had been issued and distributed on	15/05/2020

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						26 th March 2020 in accordance with the CNP advice that prior notification should be given to nearby residents. Besides, the road re-surfacing work would be carried out at approximately 14 night-time works between 2 nd and 28 th April 2020 listed in the distributed notices. No exceedance cases were found on ET regular night-time noise monitoring measurement at all noise monitoring stations, especially measured at NMS 5A & NMS 6A where locate close to the works area (Wai Wah Centre in Zone 2), the measured result at NMS 5A & 6A were all lower than that of measured in the baseline. ET analyzed that the dominant noise source should be road traffic noise but not the project-related construction noise.	

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



Cumulative Statistics on Complaints

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Month	Cumulative Project- to-Date
Air	0	0	0
Noise	19	0	19
Water	0	0	0
Waste	0	0	0
Total	19	0	19

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



Appendix M

Summary of Site Audit in the Reporting Month

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



Summary of Site Audit in the Reporting Month

Parameters	Date	the Reporting Month Observations and Recommendations	Follow-up			
Air Quality		No specific observation was identified in	•			
Noise		No specific observation was identified in				
	4 Jun 2020	Observation: 1. Please disconnect the washing machine. Zone 3) 2. Please clear the sedimentation tank. (Zone 3) Reminder: 1. Please provide sedimentation tank. (Zone 1 S/B)	 (Zone 3) The washing machine should be disconnected from surface drain/ channel. (Zone 3) Desilting Tank was cleaned. 			
Water Quality	11 Jun 2020	Reminder: 1. Please be reminded that the flooding area shall be cleared after rain. (TKO works area B)	-			
	18 June 2020	Observation: 1. Sedimentation tank shall be cleared. (Zone 3) 2. U-channel shall be cleared. (Zone 3) 3. Mitigation measure shall be provided to prevent water leakage. (Zone 4)	 (Zone 3) Desilting Tank was cleaned. The settlement in the U – channel was removed. Sandbags were deployed to prevent untreated water leakage. 			
	23 June 2020	Observation: 1. Mitigation measure shall be provided to prevent sand and water leakage. (Zone 4)	(Zone 4) Sandbags were deployed to prevent untreated water leakage.			
	18 June 2020	Observation: 1. Drip tray shall be cleared. (Zone 3)	(Zone 3) The drip tray was cleared.			
Chemical and Waste Management	23 June 2020	 Observation: Housekeeping. (Zone 4 NF40) Chemicals shall be placed in drip tray. (Zone 4 NF 40) Broken drip tray shall be replaced or repaired. (Zone 5) Contaminated sand shall be clear. (Zone 4) Reminder: Empty chemical container shall be cleared. (Zone 4) 	 (Zone 4) The rubbishes are cleared. (Zone 4) Chemical was removed. (Zone 5) Broken drip tray was removed. (Zone 4) Contaminated sand were removed. 			
Land Contamination	No deficiency was found during 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.			