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Report No.: 0064/18/ED/0550C

MONTHLY EM&A REPORT

December 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/0550C

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Reviewed by :

Certified by

Cyrus Lai

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

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



Our ref: PL-202102006

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

Attention: Miss FUNG Cannifer

2 February 2021

Dear Miss Fung,

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

I refer to the email of the ET regarding to the captioned revised Monthly EM&A Report with report No. 0064/18/ED/0550C, we have no adverse comment on it and verify this monthly report according to section 1.9 of the Environmental Permit with Permit No. EP- 463/2013/B

Yours faithfully,

Li Wai Ming Kevin Independent Environmental Checker

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



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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 December 2020 and 31 December 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
 Tree Works (including Preservation / Felling / Pruning / Transplantation) Underground utilities diversion Mini pile works Pre-drilling works Noise barrier foundation works/ Pile Cap Works 	 Tree Works (including Preservation / Felling / Pruning / Transplantation) Underground utilities diversion Pre-drilling works Noise barrier foundation works/ Pile Cap Works 	 Trial pits excavation Tree Works (including Preservation / Felling / Pruning / Transplantation) Underground utilities detections Underground utilities diversion Soldier pile works Pier construction works Bored pile works Noise barrier foundation works/ Pile Cap Works Construction of Lagging wall and retaining wall Demolition of existing parapet Pre-drilling works 	 Trial pits excavation Underground utilities detections Underground utilities diversion Demolition works for Footbridge NF40 existing staircases Foundation works for Footbridge NF66 and NF40 Mini Pile works Demolition works for existing central median 	 Trial pits excavation Tree Works (including Preservation / Felling / Pruning / Transplantation) Underground utilities detections Underground utilities diversion Construction of Noise Barrier Foundation / Pile Cap Works Soil replacement works on slopes Mini Pile works Construction for temporary haul road and site access

Breaches of the Action and Limit Levels

- iii. 24-hour and 1-hour TSP impact monitoring were carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.
- iv. Day time construction noise monitoring was carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period.
- v. Regular night time noise monitoring was carried out on 3, 10, 17, 23 and 30 December 2020 respectively and no exceedance case was recorded between 2300 and 0700 of the next day during the reporting month.

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Complaint, Notification of Summons and Successful Prosecution

vi. Two complaint cases were referred by a Shatin District Council Member and EPD on 7th & 18th December 2020 concerning about the air and noise nuisance to local residents on 5th December and 7th to 9 th December 2020 respectively.

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.



1. INTRODUCTION

1.1 Background

- 1.1.1 Contract No. NE/2017/05 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section) (TPR-ST) (hereafter referred as "the Contract"), is the Works Contract involved the construction of road widening and retrofitting noise barriers on TPR-ST.
- 1.1.2 The Works of road widening on TPR-ST is classified as a designated project (DP) under the Part I of Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499). The scale and scope of DP is classified as below:
 - Widening and reconstruction of an approximate 1.2 km long of the existing Tai Po Road (Sha Tin Section) from dual 2-lane to dual 3-lane carriageway; and improvement of the existing Sha Tin Rural Committee Road and its junctions.
- 1.1.3 The Environmental Monitoring and Audit (EM&A) programme under this Contract is governed by the Environmental Permit (EP) (EP No: EP-463/2013/B) and the updated EM&A Manual (Reference No.: 0064/18/ED/0122D). The Works to be executed under this Contract and corresponding EPs include but not be limited to the following main items:
 - (i) Road widening works of TPR-ST:
 - a. widening of TPR-ST of about 1.1 kilometres between Sha Tin Rural Committee Road (STRCR) and Fo Tan Road from dual two-lane to dual three-lane;
 - b.modification to the existing diamond interchange at TPR-ST / STRCR (STRCR Interchange);
 - c. provision of two pedestrian lifts, re-provision of staircase and cycle track ramp at the modified STRCR Interchange;
 - d. modification of existing cycle track subway no. NS30 near Sha Tin Plaza;
 - e. modification of the existing footbridge no. NF40 across TPR-ST near Wo Che Street;
 - f. modification of the existing footbridge no. NF66 near Fung Wo Lane;
 - g. installation of noise mitigation measures between Citylink Plaza and Mei Wo House of Wo Che Estate;
 - h.associated drainage works, waterworks, street lighting works and traffic control and surveillance system (TCSS).
 - (ii) Retrofitting of noise barriers along TPR-ST:
 - (a) western section between Citylink Plaza and Scenery Court;
 - (b) eastern section between Mei Wo House of Wo Che Estate and Fo Tan Road; and
 - (c) associated drainage works, waterworks and street lighting works.
 - (iii) Associated street furniture, road marking, traffic signs, directional signs, services and utilities, and
 - (iv) Associated landscaping works.
- 1.1.4 The location and boundary of the site is shown in **Figure 1**.



- 1.1.5 This Monthly EM&A report is required under EP-463/2013/B Condition 3.4. It is to report the results and findings of the EM&A programme required in the updated EM&A Manual.
- 1.1.6 This is the 25th 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 December 2020 and 31st December 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**.

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	.2.0	

Table 1.1Contact 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 (CCZIV)	Site Agent	Mr. Aaron Au	6345 0754		
Main Contractor (CCZJV)	Environmental Officer	Ms. Kimberly Wong	5542 1669		
ET (FTS)	Environmental Team Leader	Mr. David Hung	3565 4371		



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
 Tree Works (including Preservation / Felling / Pruning / Transplantation) Underground utilities diversion Mini pile works Pre-drilling works Noise barrier foundation works/ Pile Cap Works 	 Tree Works (including Preservation / Felling / Pruning / Transplantation) Underground utilities diversion Pre-drilling works Noise barrier foundation works/ Pile Cap Works 	 Trial pits excavation Tree Works (including Preservation / Felling / Pruning / Transplantation) Underground utilities detections Underground utilities diversion Soldier pile works Pier construction works Bored pile works Noise barrier foundation works/ Pile Cap Works Construction of Lagging wall and retaining wall Demolition of existing parapet Pre-drilling works 	 Trial pits excavation Underground utilities detections Underground utilities diversion Demolition works for Footbridge NF40 existing staircases Foundation works for Footbridge NF66 and NF40 Mini Pile works Demolition works for existing central median 	 Trial pits excavation Tree Works (including Preservation / Felling / Pruning / Transplantation) Underground utilities detections Underground utilities diversion Construction of Noise Barrier Foundation / Pile Cap Works Soil replacement works on slopes Mini Pile works Construction for temporary haul road and site access

1.4 Status of Environmental Licenses, Notifications and Permits

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

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Table 1.2 Relevant Environmental Licenses, Permits and/or Notifications

Environmental License / Permit / Notification	Reference Number	Valid From	Valid Till
Environmental Permit for whole project	EP-463/2013/B	20/12/2016	Nil
Receipt of the notification of construction dust production	Form NA	27/7/2018	Nil
Construction Waste Disposal Account	7031619	17/8/2018	Nil
Chemical Waste Producer Registration	5318-758-C4314-01	06/11/2018	Nil
Effluent Discharge License (Zone 1 – Zone 5)	WT00032446-2018	09/11/2018	30/11/2023
	GW-RN0838-20	29/11/2020	27/12/2020
Construction Noise Permit	GW-RN0841-20	29/11/2020	31/1/2021
for Road Closure works at restricted hours	GW-RN0798-20	12/11/2020	11/5/2021
	GW-RN-0799-20	12/11/2020	19/1/2021



2. AIR QUALITY

2.1 Monitoring Requirement

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

2.2 Monitoring Equipment

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

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

Item	Location	Brand	Model	Equipment	Serial Number
1	AMS 4A	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	761106
2	AMS 5	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	892187
3	AMS 7A	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	892189
4	AMS 12	*Sibata	Model LD-5R	Sibata Portable TSP Monitors	761105

Table 2.1 24-hour TSP Monitoring Equipment

*Notes: As electricity supply is not available and accessible for the High Volume Samplers (HVS) at AMS 6, 8, 11A and 13 portable Laser Particle Photometer Monitors will be utilized for 24-hour TSP monitoring instead of High Volume samplers (HVS). The correlation between HVS and the portable Laser Particle Photometer Monitors are presented in Appendix D.

Table 2.2	1-hour	TSP	Monitoring	Equipment
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I	ltem	Location	Brand	Model	Equipment	Serial Number
	1	AMS 4A	Sibata	Model LD-5R	Sibata Portable TSP Monitors	761106
	2	AMS 5	Sibata	Model LD-5R	Sibata Portable TSP Monitors	892187
	3	AMS 7A	Sibata	Model LD-5R	Sibata Portable TSP Monitors	892189
	4	AMS 12	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.

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- Airflow around the samplers is unrestricted.
- The samplers are more than 20 meters from the drip line.
- Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring.

Filters Preparation

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

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

Operating / Analytical Procedures

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

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



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

Operating / Analytical Procedures

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

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

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

2.3.3 1-hour TSP air quality monitoring

Operating / Analytical Procedures

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

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

2.4 Maintenance / Calibration

2.4.1 24-hour TSP air quality monitoring

The following maintenance / calibration are required for the HVS:

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

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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 December 2020 is north, north east, and east. The most updated locations are summarized in **Table 2.3** and shown in **Figure 2a**.

 Table 2.3
 Location of Air Quality Monitoring Station

	Monitoring Station	Location	Land uses
ſ	AMS 4A	Wai Wah Centre (Site Boundary)	Residential
	AMS 5	Tin Liu	Residential Village
	AMS 7A	Sheung Wo Che	Residential Village
	AMS 12	Fung Wo Estate	Residential

2.6 Results and Observations

- 2.6.1 The schedule of air quality monitoring in reporting month is provided in **Appendix E**.
- 2.6.2 No Action / Limit Level exceedance was recorded for 24-hr and 1-hr TSP at AMS 4A, 5, 7A and 12 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	ParameterMonitoring StationAverage (μg/m³)Range (μg/ m³)Action Level (μg/ m³)		Limit Level (µg/ m³)		
	AMS 4A	79	78 - 81	165	
24-hr TSP	AMS 5	73	67 - 76	161	260
in µg/m³	AMS 7A	83	77 - 87	165	200
	AMS 12	71	63 - 79	174	

Table 2.5 Summary of 1-hr TSP Monitoring Results

Parameter	Monitoring Station	Average (µg/m³)	Range (µg/ m³)	Action Level (μg/ m ³)	Limit Level (µg/ m³)
	AMS 4A	83	68-95	347	
1-hr TSP	AMS 5	82	66-99	336	500
in µg/m³	AMS 7A	89	70-99	335	500
	AMS 12	77	64-93	303	

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

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3. NOISE

3.1 Monitoring Requirement

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

3.2 Monitoring Equipment

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

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

Item	Brand	Model	Equipment	Serial Number
1	Casella	CEL-63X Series	Integrating Sound Level Meter	1488293
2	Casella	CEL-63X Series	Integrating Sound Level Meter	1488295
3	Casella	CEL-63X Series	Integrating Sound Level Meter	1488303
4	Casella	CEL-63X Series	Integrating Sound Level Meter	2451048
5	Casella	CEL-120 Series	Calibrator	2383852
6	Casella	CEL-120 Series	Calibrator	4358251
7	Casella	CEL-120 Series	Calibrator	4358289
8	Casella	CEL-120 Series	Calibrator	5230736

Table 3.1 Noise Monitoring Equipment

3.3 Monitoring Parameters and Frequency

Table 3.2 presents the noise monitoring parameters and frequencies.

Table 3.2 Monitoring Parameters and Frequencies of Noise Monitoring

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



3.4 Monitoring Methodology

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

3.5 Maintenance / Calibration

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

3.6 Monitoring Locations

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

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

Table 3.3 Location of Noise Monitoring Station

3.7 Results and Observations

- 3.7.1 The schedule of noise monitoring in reporting month is provided in **Appendix E**.
- 3.7.2 The exam schedules of the schools 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				
Monitoring Station	L _{eq (30min)} Range, dB(A) Construction Noise Level	L _{eq (30min)} Limit Level, dB(A)		
NMS1	57.4 – 61.9	75		
NMS2	57.2 - 61.6	75		
NMS3	56.4 - 63.5	75		
NMS4	65.3 - 69.0	75		
NMS5A	64.1 - 67.6	75		
NMS6A	61.6 – 66.9	75		
NMS7	61.7 – 65.3	75		
NMS8	64.7 - 66.9	75		
NMS9	59.7 – 63.5	75		
NMS10A	61.1 – 62.9	70*		
NMS11	62.6 - 65.4	75		
NMS12	60.8 - 63.6	70*		
NMS13	65.5 - 68.0	75		
NMS14	63.2 - 65.0	75		
NMS15	60.6 - 67.4	75		
NMS16	62.9 - 64.7	75		
NMS17	62.4 - 64.3	70*		
NMS18	59.4 - 63.4	75		
NMS19	63.8 - 65.7	75		
NMS20	65.9 - 67.7	75		
NMS23	63.5 - 69.4	75		
NMS24	66.1 – 67.9	75		
NMS25A	70.6 – 73.1	75		
NMS26	61.6 – 71.1	75		
NMS27	63.2 - 67.0	70*		

Table 3.4 Summary of Day Time Noise Impact Monitoring Results

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

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

3. The examination schedule was provide in Appendix E.

3.7.6 Regular night time noise monitoring were conducted on 3, 10, 17, 23 and 30 December 2020 and the results are summarized in **Table 3.5**. Detailed monitoring data are presented in **Appendix G.**

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Table 3.5	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,		
Station	Construction Noise Level	Level, dB(A)	dB(A)		
NMS1	57.7 – 59.2	55	61.4		
NMS2	53.1 – 54.7	55	49.7		
NMS3	62.5 - 65.2	55	70.9		
NMS4	56.9 - 58.2	55	62.6		
NMS5A	60.7 – 61.6	55	67.9		
NMS6A	67.7 – 68.0	55	71.5		
NMS7	41.6 - 58.8 ^[2]	55	59.0		
NMS8	57.1 – 59.5	55	64.4		
NMS9	51.7 – 55.0 ^[2]	55	53.5		
NMS11	53.7 – 55.0 ^[2]	55	53.2		
NMS13	51.5 – 54.5 ^[2]	55	57.3		
NMS14	51.9 – 54.8 ^[2]	55	54.1		
NMS15	44.0 - 58.4 ^[2]	55	58.8		
NMS16	56.6 - 57.4	55	60.1		
NMS18	55.9 – 57.5	55	63.2		
NMS19	49.4 – 61.5 ^[2]	55	61.7		
NMS20	46.6 - 51.9 ^[2]	55	57.7		
NMS23	52.3 - 59.7	55	59.9		
NMS24	50.9 – 54.6 ^[2]	55	58.0		
NMS25A	46.3 - 59.6 ^[2]	55	59.7		
NMS26	58.0 - 59.2 ^[2]	55	61.2		
Note: 1)		000 0700)			

 Table 3.5
 Summary of Night Time Noise Impact Monitoring Results

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

- Detailed analysis of each monitoring location is provided in Appendix G.
- 3.7.7 Day time construction noise monitoring was carried out in the reporting month, no Action / Limit Level exceedance was recorded during the period. For night time construction noise monitoring, no exceedance case was recorded between 2300 and 0700 of the next day during the reporting month.
- 3.7.8 The Action and Limit Levels for noise impact monitoring have been set and are presented in **Appendix C**.
- 3.7.9 The Event and Action Plan for noise is given in **Appendix H**.



4. LANDSCAPE AND VISUAL

4.1 Audit Requirements

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

4.2 Results and Observations

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



5. WASTE MANAGEMENT

5.1 Audit Requirements

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

5.2 Results and Observations

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



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, 5 site inspections were carried out on 3, 10, 17, 24 and 30 December 2020. The site inspection held on 30 December 2020 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**.



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 3, 10, 17, 23 and 30 December 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 Two complaint cases were referred by a Shatin District Council Member and EPD on 5th & 18th December 2020 concerning about the air and noise nuisance to local residents on 5th December and 7th to 9th December 2020 respectively. Investigation for complaint cases of 26th and 27th November were finished and updated in **Appendix L**.
- 7.2.2 The complaint was received via email notification by EPD on 26th November 2020, the complainant expressed concern of muddy effluent discharge from an outfall at Fo Tan near Jockey Club Ti-I College while construction work of the abovementioned project site at Zone 5 opposite to Wo Che Estate was in progress. According to the Main Contractor, a joint inspection with EPD was conducted at Zone 5 Slope F133 on 26th November 2020, where the mini-pile construction at the slope F133 and soil replacement works at slope F163 was in progress on that day. EPD team observed that the condition of the Wetsep, sedimentation tanks at Slope F133 and U-channel and catchpits at bottom of Slope F163 were not satisfactory and needed to be clean up. EPD team concerned about the condition of two catchpits located at the bottom of Slope F163 (soil replacement works area) with which the discharge U- channel connected to, and requested their conditions be checked. The Main Contractor was requested to follow and examine the flow/ location of the drainage system. ET and IEC had provided observations and reminders to the Main Contractor in the weekly environmental inspection, for example on 29th April, 17th & 24th September, 29th October, 19th November and 10th December 2020 on the wastewater treatment facilities. The main contractor was reminded to inspect the effluent discharge and make sure the effluent discharge should comply with standard as stipulated in the water discharge license (WT00032446-2018). The main contractor was reminded to use a temporary wastewater treatment plant to treat the wastewater to fulfill the effluent standard stated in the water discharge license.
- 7.2.3 The complaint was received via ICC1823 on 27th November 2020, the complainant expressed concern of construction noise nuisances near Wo Che Estate at around 01:14 am on 27th November 2020. According to the Main Contractor, there were no construction works near Wo Che Estate (Zone 5) on 26^27 November 2020. The major construction works were works related to removal of central median (at night-time) under the approved road closure with CNP no.GW-RN0799-20. According to the Main Contractor, no concurrent operation of Power Mechanical Equipment (PME) and idling were switched off during the loading and unloading of materials and rubble by manual handling of road surface remedial works. According to the Main Contractor, the major construction works was removal of central median of Tai Po Road Sha Tin section. Thus, the complaint is considered to be related to the project. According to the Main Contractor, lorry with crane had been used for remove (lifting) the

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existing central median; dump truck with grab had been used for loading and unloading of asphalt: portable roller had been used in asphalt compaction: lorry with crane, percussive and hand-held drill and portable generator had been used for installation of temporary steel module; concrete corer and portable generator had been used for drill hole at existing central median between 00:01 to 04:15 am on 27 November 2020. The Main Contractor complied with CNP No.: GW-RN0799-20 that allowed the usage of PMEs. Environmental Team (ET) conduct a regular night-time noise monitoring at all monitoring stations between 23:00 26th November to 03:00 27th November 2020. No exceedance cases were found on ET regular night-time noise monitoring measurement at all noise monitoring stations, especially measured at six noise monitoring stations where locate close to the works area (Sha Tin station to nearby Fung Wo Estate in Zone 4), the measured result at NMS16, NMS18 & NMS26 were lower than that of measured in the baseline. Besides, the measured result after correction of baseline at NMS13 and NMS 15 were lower than that of the limit level, whilst the measured result at NMS14 was lower than the night time limit level in 55 dB(A). The Main Contractor used "SilentCUBE" as a movable acoustic enclosure, a product from Acoustics Innovation and will deploy it on-site for night-time road surface remedial works in future. ET checked the Main Contractor has complied with CNP No.: GW-RN0799-20. The Main Contractor was reminded to strictly follow and fully comply with the CNP (GW-RN0799-20) conditions and the mitigation measures stipulated in the EM&A Manual when construction activities are operating during the restricted hour. The Main Contractor was reminded to also pay attention to CNP other conditions 4.d.3. 4.d.4 & 4.d.5 imposed on carrying out prescribed construction works such as loading/unloading activities.

- 7.2.4 A complainant who did not wish to disclose his identity called 1823 hotline on 26th November 2020 regarding the dust nuisance at slip road to Fo Tan Road near Lok King Street. According to the Main Contractor, the major day time construction works at Zone 5 works area in November were mini-piling works and slope works of soil replacement. Regular movement of vehicle for transportation was also carried out on site. Thus, the complaint was considered to be related to the project. According to the Main Contractor, major day works in November 2020 at Zone 5 works area were mini-piling operation and soil replacement at slopes. The ET regular air guality results measured at AMS13 and AM12 in November 2020 and on the 3rd December 2020 show that there was no exceedance case found in air quality monitoring measurement and the results were all below the action level. The Main Contractor had covered the soil slope to minimize the exposed surface area for reducing dust emission. The Main Contractor proposed to properly maintain the coverings on exposed slopes and keep them in good condition for minimizing dust impact. The Main Contractor proposed to frequently spraying of haul road especially at area where active movement of vehicles and pave the haul road where necessary to reduce dust impact. The main contractor was recommended to provide regular water spray for the construction site on dust control; properly cover and maintain that in good condition or pave the exposed slope surface (e.g. with cement grout) to minimize the dust impact to the surroundings; reduce the haul roads exposed soil area by paving; plan or schedule the transportation activities on site and reduce the vehicle speed within site area to minimize the dust nuisance.
- 7.2.5 The complaint was referred by the Shatin District Council (STDC) Sui Wo Member Mr. Mak Tsz-kin via email dated 5th December 2020 regarding the concern of a resident of Sui Wo Court, Shatin about the dust nuisance generated from the works area of the captioned road widening project near Fo Tan Road. According to the Main Contractor, major day time construction works of mini-piling and soil replacement at slopes were carried out at Zone 5 works area in December 2020. There was also regular movement of vehicle for transportation within the works area. Thus, the complaint was considered to be related to the project. ET conducted regular day-time air quality monitoring on the 3rd, 9th & 15th December 2020

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respectively which was close to the date of complaint, at selected air monitoring stations AMS5, AMS4A, AMS7A & AMS12. The air quality monitoring station nearest to the works area at zone 5 (where the complainant concerned of dust nuisance) was at AMS12. The ET regular air quality results measured at AM12 on 3rd, 9th & 15th December 2020 show that there was no exceedance case found in air quality monitoring measurement and the results were all below the action level. The Main Contractor was reminded to enhance the mitigation measures in dust control such as increase the water spray frequency at the construction site and minimizing exposed surface for suppressing dust emission. The Main Contractor proposed to continue in maintaining the coverings on exposed slopes in good condition for minimizing dust impact. Arrangement had been made to extend the area of paving at haul road in order to minimize exposed surface, thus reducing dust impact.

- 7.2.6 The complaint was received via email notification by EPD on 18th December 2020, the complainant expressed concern of construction noise nuisances near Wo Che Estate during night-time on 7[^]8 & 8[^]9 December 2020. According to the Main Contractor, there were no night-time construction works near Wo Che Estate (Zone 5) on 7⁸ & 8⁹ December 2020. The major construction works were works related to removal of central median (at night-time) under the approved road closure with CNP no.GW-RN0799-20. Complainant concerned about the noise nuisance generated from night-time construction works near Wo Che Estate (Zone 5) area. According to the main contractor, there was night-construction activity between Shatin Police Station and Fung Wo Estate (Zone 4). Therefore, the following sections would further investigate on the main contractor night-time works at the nearby Zone 4 area. According to the Main Contractor, no concurrent operation of Power Mechanical Equipment (PME) and idling were switched off during the loading and unloading of materials and rubble by manual handling of road surface remedial works. According to the Main Contractor, the major construction works was removal of central median works since 7[^]8 & 8[^]9 December 2020 conducted at restricted hours along Zone 4 central median of Tai Po Road Sha Tin section. Thus, the complaint is considered to be related to the project. The Main Contractor provided photo records showing that mitigation measures of the movable acoustic enclosure "SilentCUBE" with four sides and a top cover were implemented for night work on removal of existing central median: drill hole with percussive drill for temporary steel module spiral installation, drill hole at existing central median with concrete corer and asphalt compaction with portable roller. No exceedance cases were found on ET regular night-time noise monitoring measurement at all noise monitoring stations, especially measured at six noise monitoring stations mentioned in above section 3.15 where locate close to the works area (Sha Tin station to nearby Fung Wo Estate in Zone 4), the measured result at NMS16, NMS18 and NMS26 were lower than that of measured in the baseline. Besides, the measured result after correction of baseline at NMS13, NMS14 and NMS15 were lower than that of the limit level. Main Contractor was reminded to strictly follow and fully comply with the CNP No.: GW-RN0799-20 conditions. The Main Contractor was reminded to close all the doors of the acoustic enclosure for the portable generator, concrete corer, hand-held breaker & percussive hand-held drill during the restricted night work hours. The Main Contractor was reminded to rearrange their proposed night-time construction activities especially in guiet construction works to minimize the noise nuisance to nearby residences. The Main Contractor was reminded to re-arrange their proposed night-time construction activities to fulfill the complainant expectation that noise emitting work should be paused during night sleeping time.
- 7.2.7 Cumulative complaint log, summaries of complaints, notification of summons and successful prosecutions are presented in **Appendix L.**



8. IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

8.1 Implementation Status

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

Air Quality Impact

- NRMM label should be shown on machine to fulfill requirement of APO at Zone 4.
- Provide mitigation measure (e.g. water spraying) to suppress dust emission (Zone 4 & Zone 5.slope F133).

Construction Noise Impact

• No specific observation was identified in the reporting month.

Water Quality Impact

- Clear the silty material in the U channel to maintain the drainage capacity (Zone 3 S06).
- Remove the silty water in the channel and treat it before discharge.
- Regularly remove the muddy material in the sedimentation tank near the wetsep (Zone 3).
- Floating mud should be cleared and oil stains should be absorbed with absorptive pads for the sedimentation tank to ensure the quality of treated water in Zone 3.
- Sediment in U channel should be cleared regularly to prevent water spillage in Zone 4.
- Broken pipe of water pump should be repaired to prevent untreated water spillage in Zone 4.
- Temporary water pit shall be cleared to prevent garbage to reduce the efficiency of the sedimentation tank. (Zone 3,S05)

Chemical and Waste Management

- General waste should be cleared to maintain good site condition at works area B.
- Water in drip tray should be cleared regularly to prevent leakage due to overflow at Zone 4.
- Remove the stagnant water mixed with oil/silt inside the drip tray and treat it as chemical waste (Zone 3).
- Stagnant water within drip tray should be cleared and the oil stain should be absorbed with absorptive pads and treated as chemical waste to prevent chemical spillage in Zone 3.
- Chemical should be storage properly to prevent leakage outside to site boundary in Zone 3.
- Contaminated soil shall be cleared and treated as chemical waste.
- Provide drip tray for chemicals to avoid accidental spillage (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) Tree preservation / felling/ pruning/ transplantation in Zone 1, 2, 3, 4 & 5.
- (2) Pre-drill works in Zone 1 & 2.
- (3) Mini pile Works in Zone 1, 4 & 5.
- (4) Backfilling for underground utilities trench in Zone 1 & 2.
- (5) Pile Cap Construction Works in Zone 1, 2 & 3.
- (6) Trial Pits Excavation in Zone 3, 4 & 5.
- (7) Underground utilities detections in Zone 3, 4 & 5.
- (8) Noise Barrier Foundation Works in Zone 3 & 5.
- (9) Lagging wall and Retaining wall in Zone 3.
- (10) Construction/ Diversion of underground utilities in Zone 3.
- (11) Relocation of Traffic Light in Zone 3.
- (12) Soldier Pile Construction Works in Zone 3.
- (13) Pre Bored H Pile Construction Works in Zone 3.
- (14) Pier Construction Works in Zone 3.
- (15) Demolition of Central Median, and Temporary Median Module Installation Works in Zone 3 & 4.
- (16) Demolition of NF40 Footbridge Existing Staircases in Zone 4.
- (17) NF66 Footbridge Footing Construction Works in Zone 4.
- (18) Soil Replacement Works on Slope in Zone 5.

9.2 Key Issues for the Coming Month

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

9.3 Monitoring Schedules for the Next Month

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



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 3, 10, 17, 23 and 30 December 2020 respectively and no exceedance case was recorded between 2300 and 0700 of the next day during the reporting month.
- 10.1.4 5 site inspections were carried out on 3, 10, 17, 24 and 30 December 2020. Recommendations on mitigation measures on air quality, chemical and waste management and water were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 10.1.5 Two complaint cases were referred by a Shatin District Council Member and EPD on 5th & 18th December 2020 concerning about the air and noise nuisance to local residents on 5th December and 7th to 9th December 2020 respectively.

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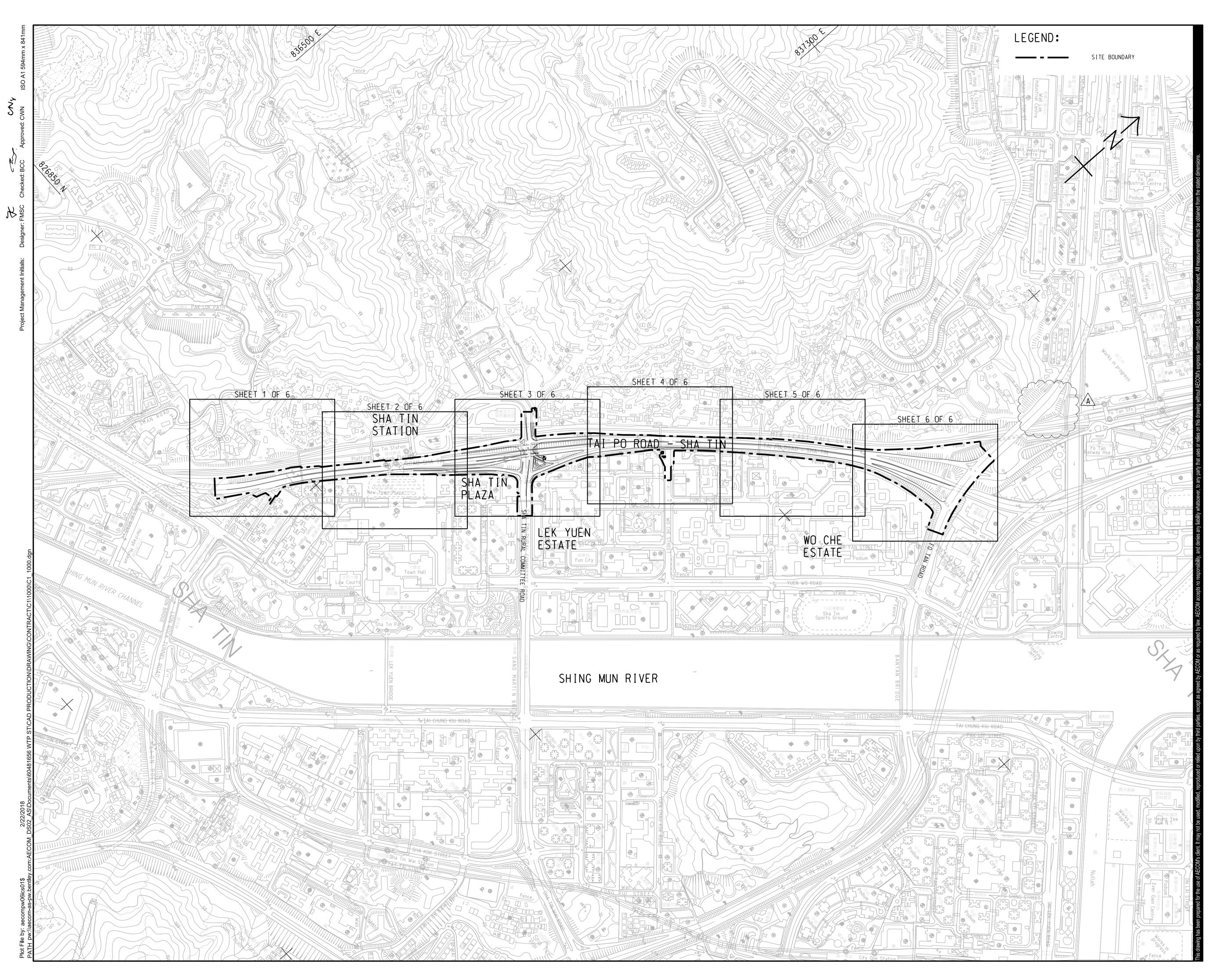
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Figure 1

Project General Layout

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

CLIENT _{業主}



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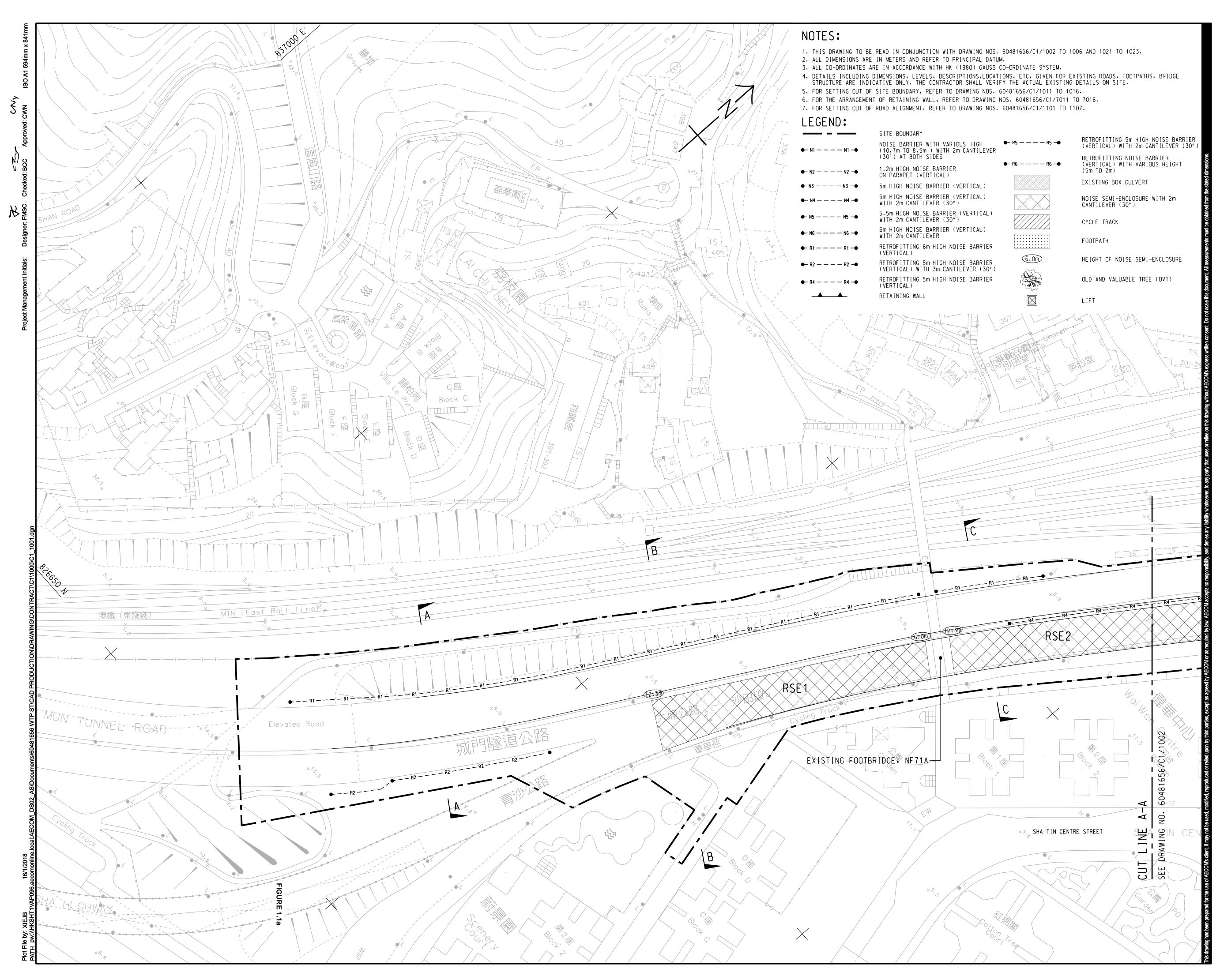
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SHEET TITLE ^{圖紙名稱}

KEY PLAN FIGURE 1.1a

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

CLIENT _{業主}



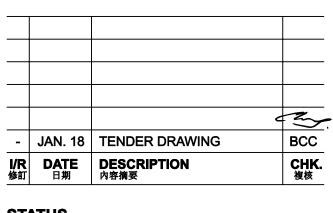
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STATUS _{階段}

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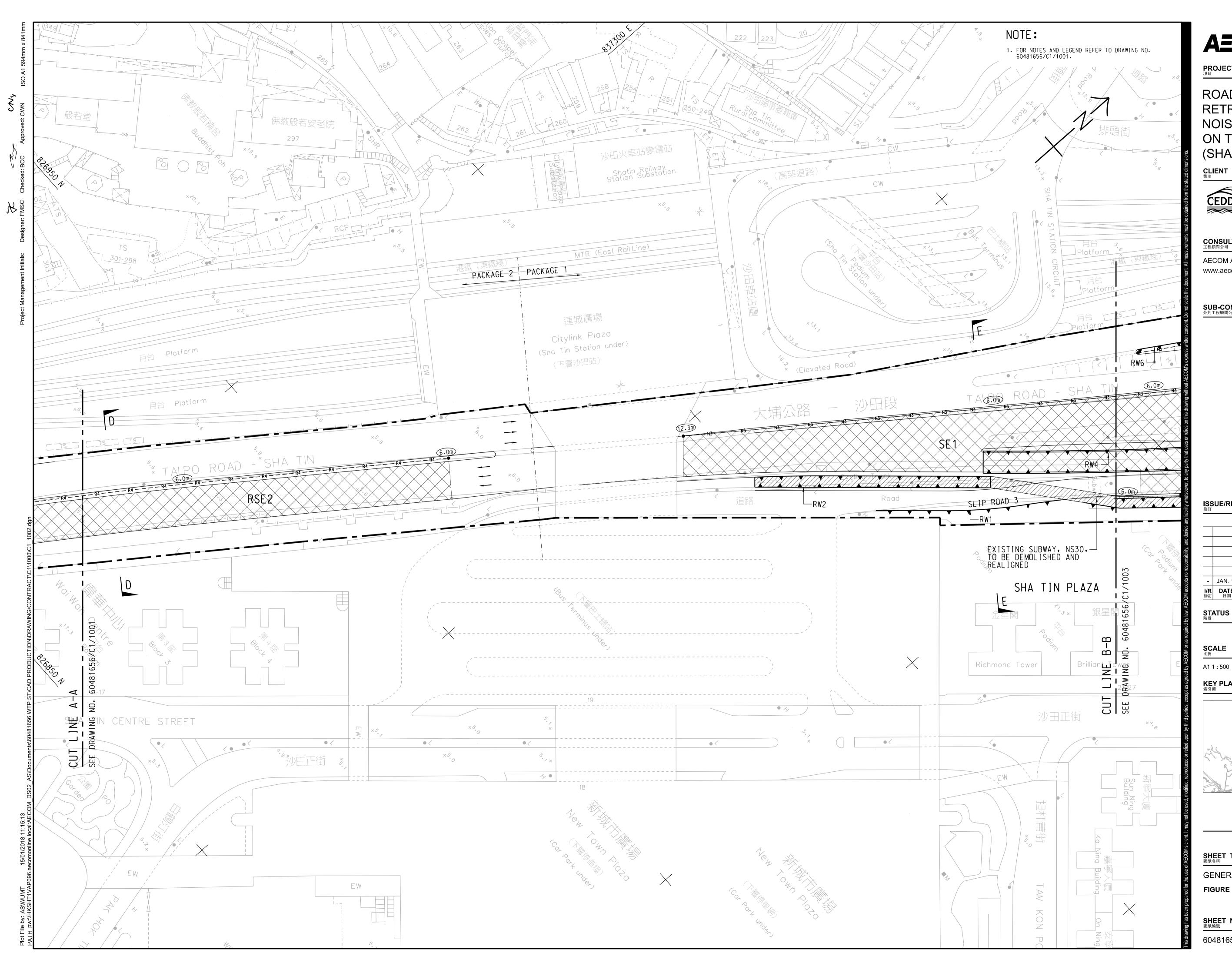
GENERAL LAYOUT PLAN FIGURE 1.1 b

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SHEET 1 OF 6





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

CLIENT ^{業主}



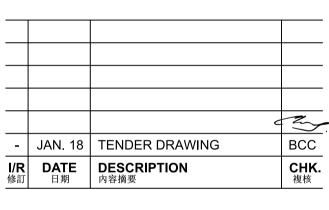
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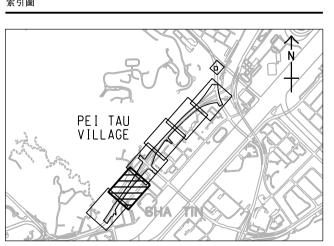
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SCALE 比例

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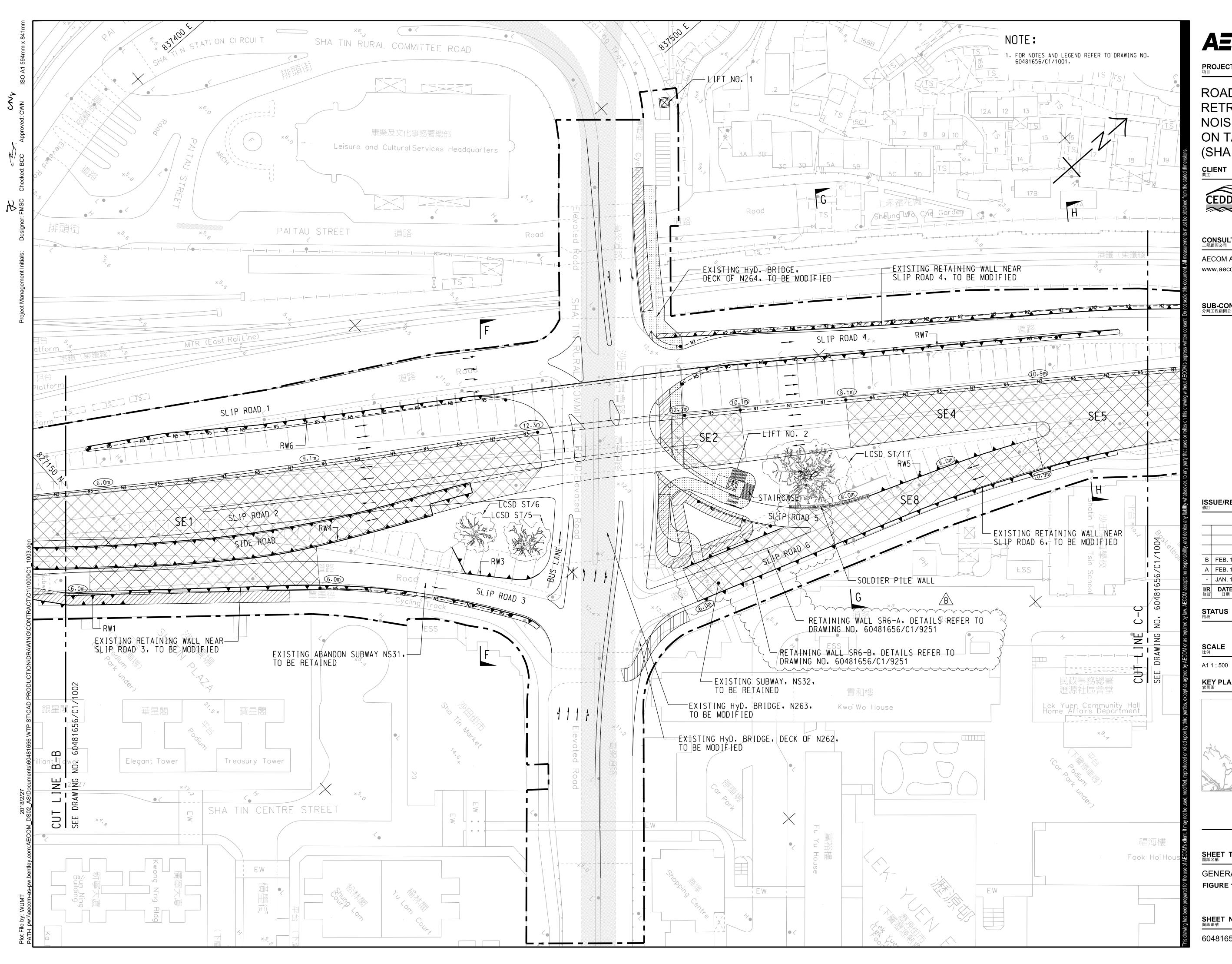
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GENERAL LAYOUT PLAN FIGURE 1.1b

SHEET NUMBER ^{圖紙編號}

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SHEET 2 OF 6





PROJECT

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

CLIENT _{業主}



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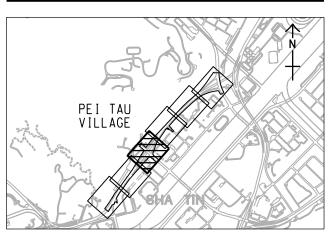
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SCALE 比例

DIMENSION UNIT _{尺寸單位}

METRES

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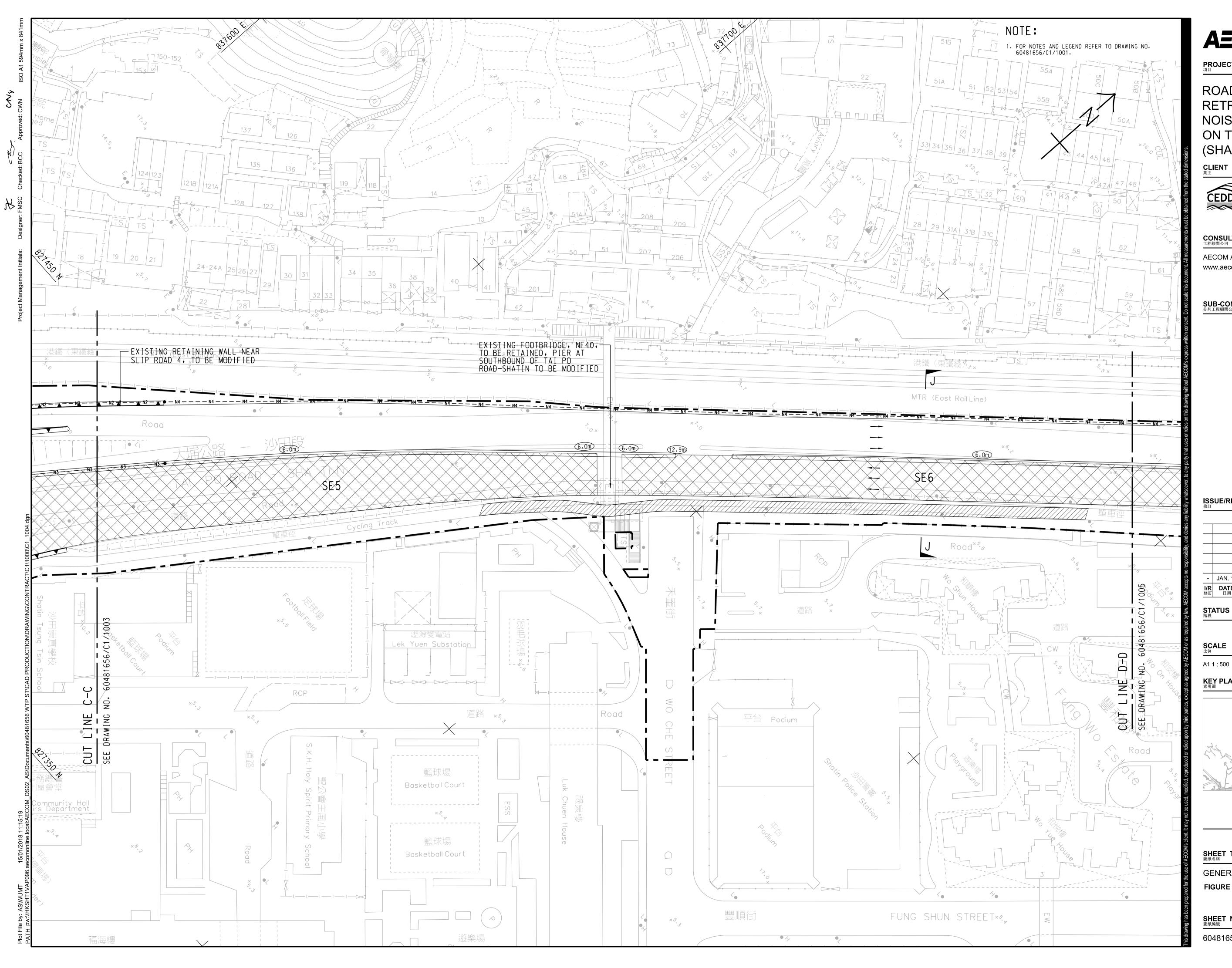
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GENERAL LAYOUT PLAN FIGURE 1.1 b

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SHEET 3 OF 6





PROJECT ^{項目}

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

CLIENT ^{業主}



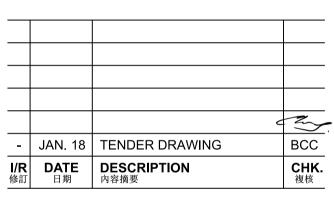
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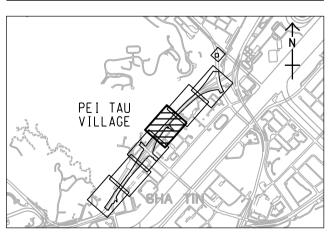
STATUS 階段

SCALE 比例

DIMENSION UNIT _{尺寸單位}

METRES

KEY PLAN A1 1 : 40000 索引圖



CONTRACT NO. ^{合約編號}

NE/2017/05

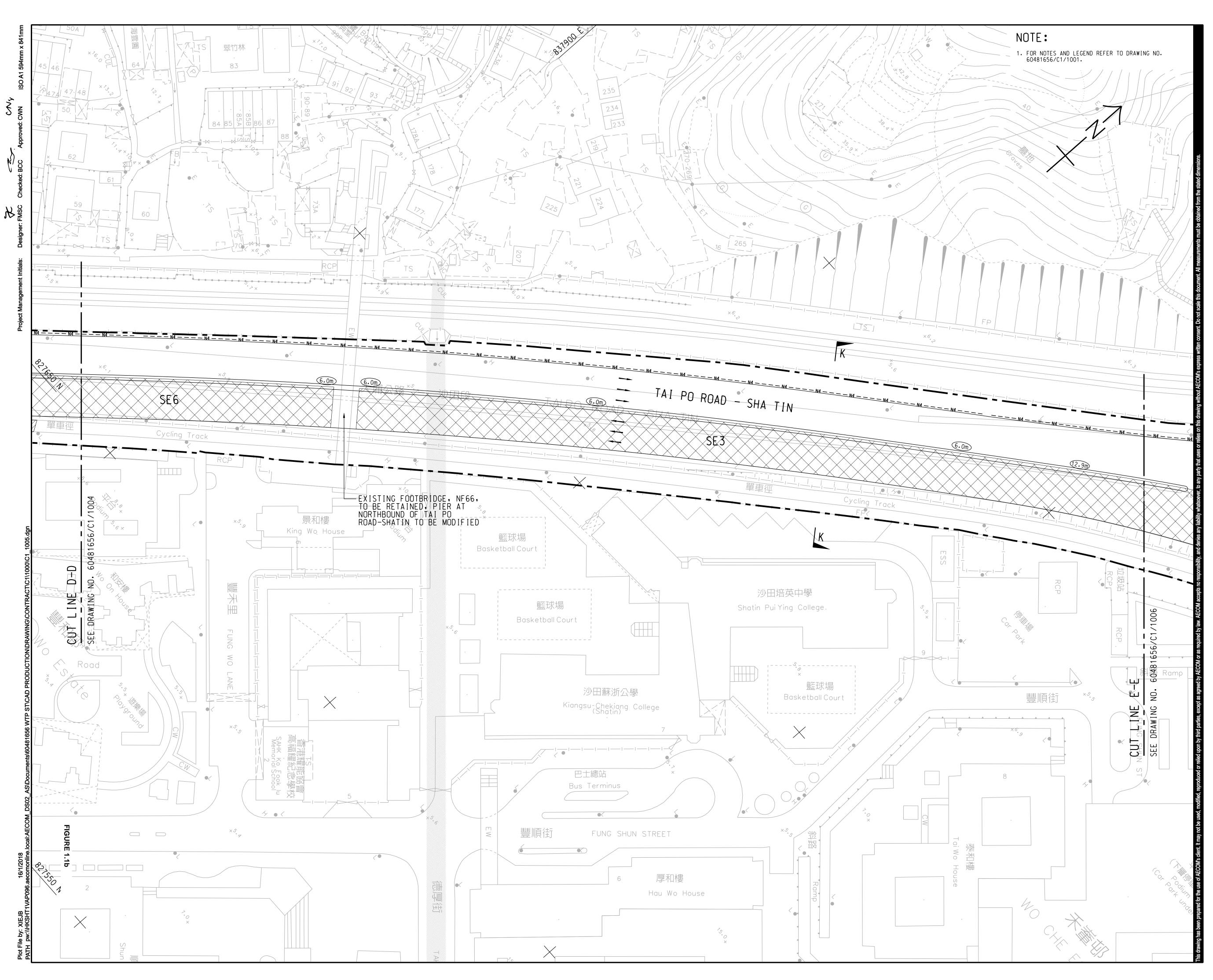
SHEET TITLE 圖紙名稱

GENERAL LAYOUT PLAN FIGURE 1.1b

SHEET NUMBER ^{圖紙編號}

60481656/C1/1004

SHEET 4 OF 6





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

CLIENT ^{業主}



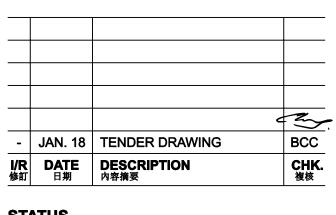
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ISSUE/REVISION 修訂



STATUS _{階段}

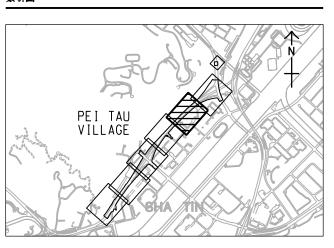
SCALE ^{比例}

DIMENSION UNIT ^{尺寸單位}

A1 1 : 500

METRES

KEY PLAN A1 1 : 40000 *案*引圖



CONTRACT NO. ^{合約編號}

NE/2017/05

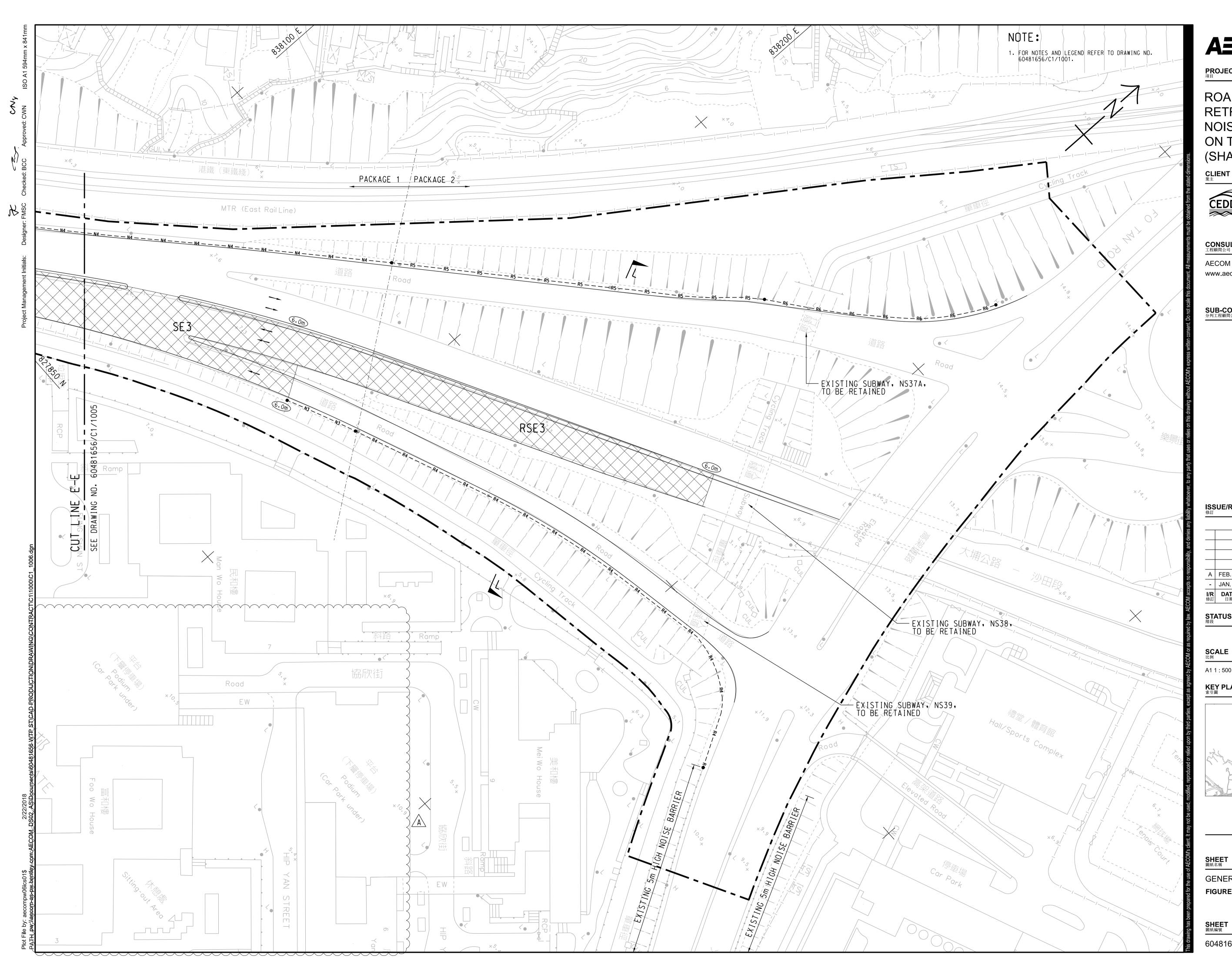
SHEET TITLE 圖紙名稱

GENERAL LAYOUT PLAN FIGURE 1.1b

SHEET NUMBER 圖紙編號

60481656/C1/1005

SHEET 5 OF 6





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

CLIENT _{業主}



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А	FEB. 18	TENDER ADDENDUM NO.2	BCC
I	JAN. 18	TENDER DRAWING	BCC
I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 複核
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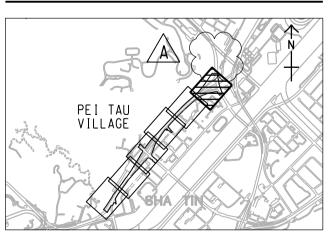
STATUS 階段

DIMENSION UNIT ^{尺寸單位}

A1 1 : 500

METRES

KEY PLAN A1 1 : 40000 索引圖



CONTRACT NO. _{合約編號}

NE/2017/05

SHEET TITLE 圖紙名稱

GENERAL LAYOUT PLAN FIGURE 1.1b

SHEET 6 OF 6

SHEET NUMBER 圖紙編號

60481656/C1/1006A

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Figure 2a

Air Monitoring Locations

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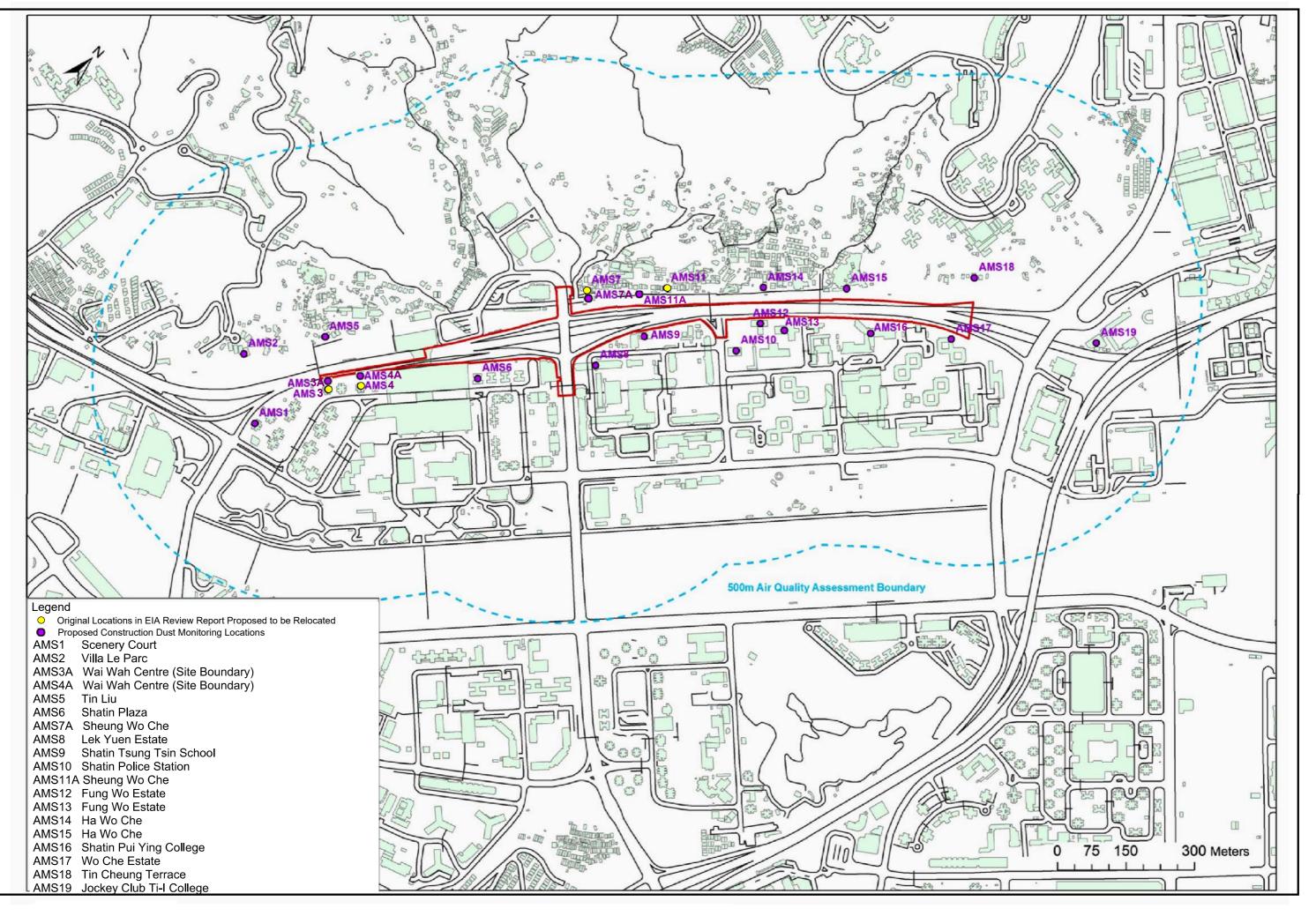


Figure 2a Air Quality Monitoring Locations



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

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Figure 2b

Noise Monitoring Locations

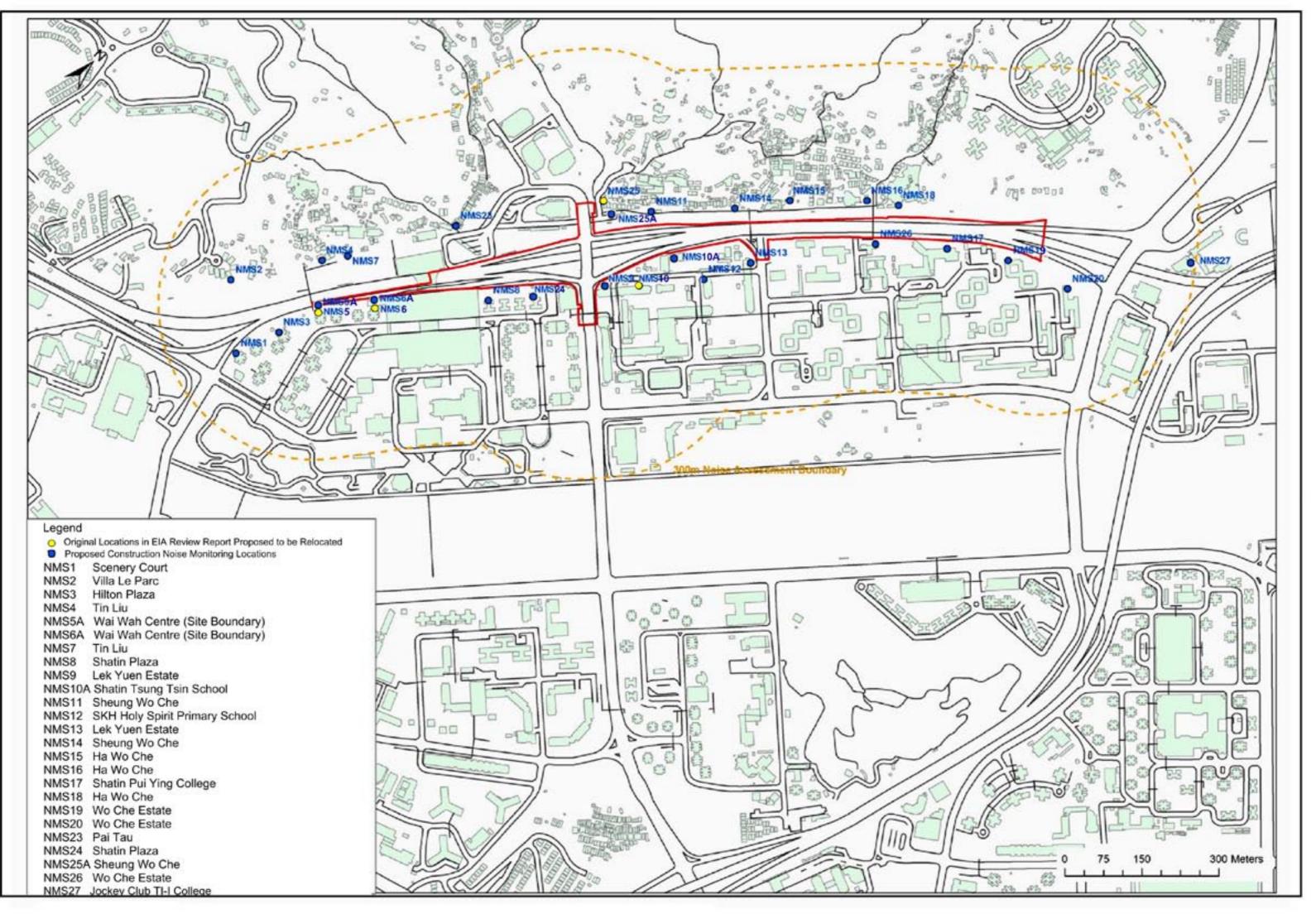


Figure 2b Noise Monitoring Locations



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 A

Construction Programme

	1999-1999 - 1995 - 1995 - 1999 - 1995 - 1905 - 1905 - 1995 - 1905	Original Rem Duration D	uration				Nov Dec	Jan	Fdb	Ma 30
ntract	NE/2017/05 Road Widening	and Re	trofitting No	oise Bar	riers on T	Tai Po				
RELIMI	ARIES & GENERAL REQUIR	REMENT				and the fit				
ENERA	SUBMISSION									
UB1403	ITP's for Lighting Luminaires and System	0	0 30-Nav-20*	-	31-Oct-20		O TP's for Lighting Luminaires and System			
UB1405	All Lighting Designs	0	0 30-Nov-20*		31-Oct-20		All Lighting Designs			
JB1410	Combined Services Drawings (CSD)	0	0 30-Nov-20*		31-Oc1-20		o Combined Services Drawings (CSD)			
SIGN	SUBMISSION	COLUMN TWO IS NOT	C. Constantin			and some				
	TERCHANGE MODIFICATION W	VORKS (A	Iternative Des	Ign)				1. La Tana al la lavie.		
ES1150	PM Consent for Construction	28	0 03-May-19 A		31-Jul-19	27-Aug-19	PMConsent for Construction			
	TIGATION MEASURES				1	-				
ES1230	PM Consent for Construction	28	0 02-Jan-19 A	30-Nov-20	31-Jan-19	27-Feb-19	PM Consent for Construction			
ES1250	PM review & comment	28	0 12-Jul-19 A		01-Sep-19	29-Sep-19	PM consent or Consent or Consent			
ES1260	Re-submit Foundation Design of Noise	23		23-Dec-20	01-Nov-20	23-Nov-20		n Design of Noise Misgation Measures in Zone 3 w Design Certificate		
ES1200	PM Consent for Construction	28		20-Jan-21	24-Nov-20	21-Dec-20	He-souria Pouroax	PM Consent for Constru	uction	
ES1270		28	11 07-Aug-19 A		31-Aug-19	27-Sep-19		- M Consent for Constru		
	PM review & comment			01-Jan-21	12-Nov-20	02-Dec-20	PM review & comment		-Darbo Codificato	
ES1300	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 w Design	20						Re-submit Superstructure Design of Noise Mitigation Measures in Zone 1 & 2 v		
ES1310	PM Consent for Construction	28		29-Jan-21	02-Dec-20	30-Dec-20			PM Consent for Construction	
ES1330	PM review & comment	28	20 07-Aug-19 A	19-Dec-20	31-Aug-19	27-Sep-19	PM review & comment			
S1340	Re-submit Superstructure Design of Noise Mitigation Measures in Zone 3 w/Design	21	21 20-Dec-20	10-Jan-21	20-Nov-20	11-Dec-20		Re-submit Superstructure Design of Noise Mitgation	Measures in Zone 3 wDesign Certificate	
ES1350	PM Consent for Construction	28	28 10-Jan-21	07-Feb-21	11-Dec-20	08-Jan-21			PM Consent for Construction	
ES1370	PM review & comment	28	20 07-Aug-19 A	19-Dec-20	31-Aug-19	27-Sep-19	PM review & comment			
ES1380	Re-submit Superstructure Design of Noise Mitigation Measures in Zones 4 & 5 wDesign	20	20 20-Dec-20	09-Jan-21	20-Nov-20	10-Dec-20		Re-submit Superstructure Design of Noise Mitigation M	easures in Zones 4 & 5 wDesign Centificate	
ES1390	PM Consent for Construction	28	28 09-Jan-21	06-Feb-21	10-Dec-20	07-Jan-21			PM Consent for Construction	
EMAINI	NG WORKS							Q. (.) - 2+ - 7		
ES1470	PM Consent for Construction	28	1 11-Mar-19 A	30-Nov-20	31-Jul-19	27-Aug-19	PM Consent for Construction			
ES1480	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle	21	0 26-Nov-18 A	30-Nov-20	31-Dec-18	20-Jan-19	Prepare & submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle Tr	ck Ramp & Sign Gantry wDesign C		-
ES1490	PM review & comment	28	1 25-Jan-19 A	30-Nov-20	04-Aug-19	01-Sep-19	PM review & comment			
ES1500	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift2 Staircase, Cycle Track Ramp & Sign	35	1 13-Apr-20 A	03-Dec-20	02-Jun-20	07-Jul-20	Re-submit Foundation Design of Pedestrian Lift 1 & 2, Lift 2 Staircase, Cycle T	nock Ramp & Sign Gantry w/Design Certific		
ES1510	PM Consent for Construction	28	28 03-Dec-20	31-Dec-20	03-Nov-20	01-Dec-20		PM Consent for Construction		
ES1530	PM review & comment	28	1 02-Jan-19 A	30-Nov-20	31-Jan-19	27-Feb-19	PM review & comment			
ES1540	Re-submit Design of Watermain & Irigation	32	1 02-Jan-19 A	30-Nov-20	02-Apr-19	03-May-19	Re-submit Design of Watermain & Irrigation System w Design Cettificate			
ES1560	System wDesign Certificate Prepare & submit Design of E&M System (E&M	35	35 30-Nov-20	03-Jan-21	31-Ocl-20	04-Dec-20		Prepare & submit Design of E&M System (E&M & Road Lighting) w/Des	ign Certificate	
ES1570	& Road Lighting) wDesign Certificate PM review & comment	28	28 04-Jan-21	31-Jan-21	05-Dec-20	01-Jan-21			PM review & comment	
ES1580	Re-submit Design of E&M System (E&M & Road		32 02-Feb-21	05-Mar-21	03-Jan-21	03-Feb-21				
ES1590	Lighting) wDesign Certificate PM Consent for Construction	28	28 06-Mar-21	02-Apr-21	04-Feb-21	03-Mar-21				
					San Property	-				
	TING & PROCUREMENT SCH	TEDOLE							A	
UBLET		20	30 30-Nov-20	29-Dec-20	31-Oct-20	29-Nov-20		anane (PC nine, manhole & guily) and Durst		
PS1210	Drainage (PC pipe, manhole & gully) and Duct	30	5 31-Mar-20 A			30-Jun-20		alnage (PC pipe, manhole & guily) and Duct		
PS1220	CCTV for Drainage Pipe	30					CCTV for Drainage Pipe			
PS1290	Steelwork for NB and Lift Tower	30	6 31-Mar-20 A			29-Jun-20		elwork for NB and Lift Tower		<u></u>
PS1330	Road Lighting System (Excluding Noise Mitigation Measures)	30			02-Feb-21	03-Mar-21		2 M 1 2		
PS1370	Integration of TCSS System into existing system		11 29-May-20 A					7.6. A 197 To 197 To 197 To 197		
PS1390	E&MWorks	30	26 31-Aug-20 A					and the second		
PS1410	Pedestrian Lift (Lift Cars, E&M, Panel, Lourve & Signature)	30	30 11-Feb-21	13-Mar-21	11-Jan-21	10-Feb-21				

ctivity ID	Activity Name	Original	Remaining 3MRP Start	3MRP Finish	APIOSAI	AP10 Finish	· · · · · · · · · · · · · · · · · · ·	2020			2021	
		Duration	Duration				Nov 23	Dec 30	Jan 31		Fab	Mar 33
SPS1420	Lighting System for Noise Mitigation Measures	30	30 30-Nov-20	29-Dec-20	31-Oci-20	29-Nov-20		Lip	ting System for Noise Mitgation Measures			
SPS1430	Panels for Noise Mitgation Measures	30	6 31-Mar-20 A	29-Dec-20	02-Aug-20	31-Aug-20			nels for Noise Mitigation Measures			
SPS1440	Drainage for Noise Milgation Measures	30	30 30-Nov-20	29-Dec-20	31-Oc1-20	29-Nov-20		Dra	a nage for Noise Miligation Measures			
SPS1450	Other Works (Mis. Metal Work , Finishing , Brickwork , etc)	30	30 09-Feb-21	11-Mar-21	10-Feb-21	11-Mar-21						
	ETWEEN SHING MUN TUNN	ELS RO	DAD AND FOO	T BRIDG	ENF71A	(ZONE						
PRELIMIN	ARIES WORKS											
SUMMARY	YPROGRAMME											
Z1SU1030	Zone 1 Stage 1 RSE1 CM foundation	328	140 28-Dec-19 A	25-May-21	31-Dec-19	05-Feb-21	*****		******	*******		
Z1SU1032	Zone 1 Stage 1 R 1 structure R 1-01 to 08	268	171 28-Jul-20 A	03-Jul-21	31-Jul-20	26-Jun-21						
Z1SU1034	Zone 1 Stage 1 R1 structure R2	435	236 20-Feb-20 A	16-Sep-21	20-Mar-20	07-Sep-21						
NOISE BA	ARRIER AND SEMI-ENCLOSUR	E	10000	D. Q. Sold St.	-	1999					THE REPORT OF THE	
	NDATION WORKS											
SOUTHBO		al annail		ON ICASING		Coloniado			1			
AND A SECOND Y	R2_mini piles for R2-02P to 06P (1 3nrraking, 22nr ver)	175	115 01-Jun-20 A	23-Apr-21	19-Oct-20	25-May-21						
		28	0 02-Sep-20 A			02-Dec-20		Roc _ Ste investigation for RSE1-51P to 56P (7nr)				
	RSE1_site investigation for RSE1-51P to 56P (7nr)				-	1				1		
NORTHBO		6810 M	JERS STORE		distant and the	allin toor						
		30	18 19-Oct-20 A	19-Dec-20	31-0:1-20	04-Dec-20						
71 1000	R1_ELS for footing/cap construction R1-01 to R1-08 (110m_1 side) R1 footing construction R1-01 B1-03 to R1-08	147	132 27-Nov-20 A		28-Nov-20			R1_ELS for footing/cap constru	ution R1-01 to R1-08 (110m_1 side)			
The second second second second second	R1_footing construction R1-01, R1-03 to R1-08 (7nr)			Crossing.	Lonior Lo							
CENTRAL		46	25 02 See 20 A	12 100 21	29-Oct-20	22-Dec-20						
	RSE1_ELS for footing construction RSE1-01 to RSE1-07 (83m_2 side)		35 02-Sep-20 A			09-Mar-21			HSE1_ELS10r100ing	construction RSE1-01 to RSE	1-07 (83m_2 \$100)	
	RSE1_footing/cap construction RSE1-01P to RSE1-05 (5nr)	105	95 02-Nov-20 A	20-Mdr-21	31-Ocl-20	03-Mar-21						
SOUTHBO									and the second	1.1.1		
	R2_ELS for footing/cap construction R2-01 to R2-06P (68m_2 side)	38	30 04-Sep-20 A			24-Jun-21						
and the second second	ETWEEN FOOT BRIDGE NF7	71A ANI	D CITYLINE PI	LAZA (ZC	NE 2)							
	NARIES WORKS										<u> </u>	
	YPROGRAMME											· · · · · · · · · · · · · · · · · · ·
	Construction Zone 2_Stage 1 RSE2 CM foundation	594	235 21-Nov-19 A		08-Aug-19	10-Aug-21	****	***************************************	************************	********	*****	****
Z2SU1010	Construction Zone 2_Stage 2 RSE2 SB foundation	254	543 24-Sep-20 A	29-Sep-22	25-Nov-21	06-Oc1-22						
NOISE BA	ARRIER AND SEMI-ENCLOSUR	E							and the second second second			
PILE FOU	NDATION WORKS											
CENTRAL	L BARRIER											
Z2_1010	RSE2_mini piles for RSE2-01P, 03P to 15P (61nr raking, 47nr ver)	195	0 17-Jan-20 A	05-Nov-20/	26-Mar-20	20-Nov-20	RSE2_mini piles for RS	22-01P, 03P to 15P (61 m raiking, 47h rver)				1
PILE CAP	AND FOOTING											
THE OWNER WORKS	L BARRIER	NO.				Santal .			and the second second second	<pre></pre>		
Z2_1040	RSE2_ELS for footing/cap construction RSE2-01 to RSE2-15P (174m_2 side)	96	83 08-Aug-20 A	12-Mar-21	29-Oct-20	25-Feb-21						
	RSE2_footing/cap construction RSE2-01P to 15P (14nr)	147	137 01-Sep-20 A	21-May-21	27-Jan-21	30-Jul-21						
	ETWEEN CITYLINE PLAZA A	ND FO	OTBRIDGE N	F40 (ZON	E 3)							
PRELIMIN	NARIES WORKS											
SUMMAR	PROGRAMME											
Z3SU5000	Zone 3a (TPR area) Stage 1 RW6, RW7& SR4	354	251 20-Nov-19 A	4 06-Oc1-21	02-Sep-19	10-Nov-20	*****	Exxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	*****	****	*****	****
Z3SU5030	Zone 3b (near SR6) Stage 1 Construct N263 & N264 foundation	393	152 09-Feb-20 A	A 08-Jun-21	31-Jul-19	23-Nov-20				*****		****
	Zone 3b (SB near SR6) Stage 1 Construct Lift Tower 2 & staircase	256	174 31-Mar-20 A	06-Jul-21	29-Jun-20	11-May-21	*****		*****	*****	*****	****
	Zone 3b (near SR6) Stage 1 SE8 and SR6 foundation and N262 bridge	344	418 02-Jun-20 A	03-May-22	26-Jan-21	25-Mar-22						
Z3SU5070	Zone 3b (near SR6) Stage 3 Construct SR5	682	419 28-Oci-20 A	04-May-22	01-Dec-20	21-Mar-23						
Z3SU5100	Zone 3c (near SR3) Stage 1 construct RW1, SR3 & subway NS30	162	219 24-Jul-20 A	27-Aug-21	01-Dec-20	22-Jun-21			*****	*****	****	****
	ARRIER AND SEMI-ENCLOSUR	E										
PILE FOU	INDATION WORKS											
						Puis			DAD (SHA TH OFOTION	Date	Revision Checked Ar	oproved
	Remaining Level of Effort		Remaining Work			Primary Baseline		ROFITTING NOISE BARRIERS ON TAI PO F 3 Months Rolling Programme (30/11/20)	IUAD (SHA TIN SECTION)	08-Dec-20 3MRP		
	Actual Level of Effort 🛛 🗰		Critical Remainin Nilestone	IY WORK	- •	Dasenne	WIIICSLO	Page 2 of 6	ſ			
μ μ	Actual Work O	• N	mestone									

why ID Activity Name	Original Romaining 3MRP Start Duration Duration	3MHP Finish AP10 Sta	AP10 Finish		2020		2021
	Duration			29	30	31 31	760 Mar 22 33
SOUTHBOUND				and the second		Kennel of Principal States and	
Z3_1522 SE1-5_site investigation for S1E5-S1 (2nr)	10 5 02-Jul-20 A	04-Dec-20 31-Aug-	20 10-Sep-20	real and the second sec	SE1-5_site investigation for S1E5-51 (2nr)		
SOUTHBOUND SLIP ROAD							and the second
Z3_1765 SE8-1_mini piles for SR6 1-B & 2-B (9nr raking 9nr vernr)	72 72 26-Jan-21	27-Apr-21 26-Jan-	21 27-Apr-21				
PILE CAP AND FOOTING		and the second s					
SOUTHBOUND							
Z3_5650 SE2_ELS for cap construction S2E1-52P (10m_2 side)	6 6 05-Feb-21	16-Feb-21 08-Jan-	21 15-Jan-21				SE2_ELS for cap construction S2E1-52P (10m_2 side
Z3_5660 SE2_pile cap construction S2E1-52P (1nr)	21 21 16-Feb-21	12-Mar-21 15-Jan-	21 09-Feb-21				
BRIDGE AND STRUCTURE WORKS							
PRELIMINARIES WORKS							
UTILITIES DIVERSION		ALC: CARGARATER					
SOUTHBOUND							
	0 0 17 Eeb 21	27-Feb-21 15-Jan-	21 26-Jan-21				
Z3_2940 UU_CLP-slew 11kv cable for RW1 & 2 CH1500-1580 80m					· · · · · · · · · · · · · · · · · · ·		UU_CLP-sew11kvcal
Z3_2950 UU_CATV-slew cable for RW1 & 2 CH1500-1590 90m	11 11 01-Feb-21	17-Feb-21 02-Jan-	21 15-Jan-21	The second s			UU_CATV-slew cable for RW1 & 2 CH 1500-1590 St
Z3_2960 UU_HKBN-slew cable for RW1 & 2 CH1500-1580 80m	9 9 17-Feb-21	27-Feb-21 15-Jan-	21 26-Jan-21				UJ_HKBN-slew cable
Z3_3100 UU_HKBN-slew cable for N262 CH 1800-1810 10m	1 1 05-Dec-20	05-Dec-20 05-Dec	20 05-Dec-20		UU_HKBN-slew cable for N262 CH 1800-1810 10m		
Z3_5680 UU_Construct combine UU trough between cycle track and RW1 Stage 1	75 26 08-Jun-20	A 02-Jan-21 31-Jul-2	0 29-Oc1-20			UU_Construct combine UU trough between cycle track and RW1 Stage 1	
Z3_5685 UU_Construct combine UU trough between RW1 to SR3 Stage 2	60 60 02-Jan-21*	17-Mar-21 01-Dec	20 16-Feb-21				
RW1 to SR3 Stage 2 MODIFICATION OF BRIDGE N263		and the second second	the states				
Construction of the second						The Call of Solar States of the	
RECONSTRUCTION ABUTMENT WALL AT NH							
Z3_4140 NAW-1_ELS, excavation & pile cap constructio	60 51 23-Oct-20	A 30-Jan-21 31-Oct-					NAW-1_ELS, excavation & pile cap construction
Z3_4142 Demolish part of existing North Hollow Abutmer wall for construction new wall	t 45 45 04-Jan-21	27-Feb-21 12-Dec	20 05-Feb-21				Demolish part of exist
Z3_4180 NAW-2_ELS. excavation & pile cap construction	60 45 28-Sep-20	A 23-Jan-21 31-Oct-	20 12-Jan-21			NAW-2_ELS.exca	vation & pile cap construction
Z3_4190 NAW_construct new abutment wall (North side)	60 60 25-Jan-21	10-Apr-21 23-Dec	20 09-Mar-21		-		
Z3_4195 NAW_construct new abutment wall (Remaining) 100 100 01-Feb-21	07-Jun-21 13-Jan-	21 18-May-21				
MODIFICATION EXISTING PIER WALL OF N26	the second second						
		A 26-Nov-20 A 31-Aug	20 06-Oct-20		iling works for new south abutment wall (3nr 1.5m bored pile)		
Z3_3870 SAW-1_piling works for new south abutment wa (3nr 1.5m bored pile)		27-Dec-20 07-Nov					
Z3_3890 SAW-1_pile testing					SATH-I_	pile lesing	
Z3_3900 SAW-1_ELS & pile cap construction	30 30 28-Dec-20	01-Feb-21 04-Dec	20 12-Jan-21				SAW-1_ELS & pile cap construction
Z3_3930 SAW-2 & 3_ELS & pile cap construction	45 29 05-Oct-20	A 06-Jan-21 31-Oct-	20 23-Dec-20			SAW-2 & 3_ELS & pile cap construction	
Z3_3940 SAW_Modify existing N263 pie rwall (North side) 60 60 06-Jan-21	20-Mar-21 19-Dec	20 06-Mar-21				
Z3_3945 SAW_construct new abutment wall (Remaining) 100 100 02-Feb-21	08-Jun-21 12-Jan	21 18-May-21				
MODIFICATION EXISTING SOUTH HOLLOW A	BUTMENT WALL		S. C. S.				
Z3_3950 SHA_piling works for pier SHA 6 nos. Sock et H-pile	48 48 18-Jan-21	18-Mar-21 23-Dec	-20 24-Feb-21				
MODIFICATION OF BRIDGE N262	And the second second						
	16 16 07-Jan-21	25-Jan-21 07-Jan	21 25-Jan-21			CO2 piling v	orks 4nr mini pile
Z3_3510 C02_piling works 4nr mini pile		and the second second		-			
Z3_3540 C03_piling works 7nr mini pile	24 24 07-Dec-20					C03_piling works 7nr mini pile	
Z3_3590 C04_A-shape column construction	60 60 07-Dec-20	0 20-Feb-21 07-Dec	-20 20-Feb-21				C04_A-shape column construction
NEW SLIP ROAD 2							
Z3_5330 SR2-1_pilling works 3nr 1.5m bored pile	30 9 07-Sep-20	A 10-Dec-20 20-Oct	20 24-Nov-20		SR2-1_piling works 3nr 1.5m bored pile		
Z3_5340 SR2-1_pile testing	28 28 10-Dec-20	07-Jan-21 19-Nov	-20 16-Dec-20			SR2-1_pile lesting	
Z3_5350 SR2-1_ELS & pile cap construction	30 30 18-Jan-21	25-Feb-21 23-Dec	-20 30-Jan-21				SR2-1_ELS & pile cap con
Z3_5360 SR2-1_column construction	35 35 25-Feb-21	10-Apr-21 30-Jan	21 16-Mar-21				
and the second se	30 30 10-Dec-20		-20 23-Dec-20			SR2-2A/B_piling works 3nr 1.5m	bored pile
Z3_5412 SR2-2A/B_piling works 3nr 1.5m bored pile							SR2-2A/B_pile testing
Z3_5414 SR2-2AB_pile testing	28 28 18-Jan-21						
Z3_5416 SR2-2AB_ELS & pile cap construction	30 30 25-Feb-21	01-Apr-21 30-Jan	21 10-Mar-21				
LIFT TOWER 2 & STAIRCASE							
Z3_3680 Lift Tower 2_LT-PC4 ELS & pile c ap construction	30 30 31-Dec-2	0 05-Feb-21 01-Det	-20 08-Jan-21	1			Lift Tower 2_LT-PC4 ELS & pile cap construction
	I. I. g. d.						Revision Checked Approved
Remaining Level of Effort	Remaining Wo				ROFITTING NOISE BARRIERS ON TAI PO F	TOAD (SHA TIN SECTION) 08-Dec-20 3MR	
Actual Level of Effort	Critical Remain	ing Work 🗢	 Baseline 	: Milesto	3 Months Rolling Programme (30/11/20)		
Actual Work O	Milestone				Page 3 of 6		

23,370 Liit Tower 2_HT-PC2 ELS & pile c.p. construction 30 30 31-De-20 65 Feb. 23,300 Liit Tower 2_HT-PC2 ELS & pile c.p. construction 21 21 05 Feb.20 65 Feb. 23,300 Liit Tower 2_HT-PC2 ELS & pile c.p. construction 21 20 05 Feb.20 74 Feb. 23,540 SR5-2_Daing works brir mini pile 36 22 28-Dei 20 A 24-De 72,540 SR5-3_Daing works brir mini pile 36 45 44 24-De 20 72,450 RW1_demoish asting reshing structure been below 101 and sign of structure below 100 below 101 below 101 31 31 27.Feb-21 06-Ap 22,460 RW1_demoish asting reshing structure below 100 below 101 below 101 45 45 27.Feb-21 06-Ap 23,1216_10 RW1_demoish asting reshing structure below 100 below 101 23 24 25.Feb-21 30-Ma 72,1216_10 RW1_demoish asting reshing structure below 100 below 101 25 23 18/Ma 20A 20-Di 23,1216_10 RW1_demoish asting reshing structure below 100 below 101 25 23 18/M	55760-21 01-Dec-20 00-Jan-2 5548-21 00-Jan-21 02-F68-2 4-Dec-20 01-Dec-20 15-Jan-2 2-Apr-21 12-Dec-20 25-Mar-2 77.F68-21 01-Dec-20 25-Jan-2 8-Apr-21 25-Jan-21 25-Jan-2 10-Mar-21 25-Jan-21 08-Mar-2 10-Mar-21 25-Jan-21 09-Mar-2 10-Mar-21 22-Dec-20 22-F68-2 11-Mar-21 22-Jan-21 23-Apr-2	27.Feb.21 26.Jan.21 23.Mar.21 25.Feb.21 30.Jan.21 30.Jan.21 25.Feb.21 30.Jan.21 30.Jan.21 25.Feb.21 30.Jan.21 30.Jan.21 25.Feb.21 30.Jan.21 0.Feb.20 30.Jan.21 22.Feb.21 37.Jan.21 31.Mar.21 23.Jan.21 23.Feb.21 31.Mar.21 23.Jan.21 23.Ajan.21 01.Feb.21 25.Feb.21 32.Feb.21 25.Feb.21 23.Feb.21 23.Mar.21	21 72 32 21 22 32 21 22 32 21 22 32 21 22 32 21 22 32 21 22 32 22 32 32 23 32 32 24 22 32 24 24 32 24 24 32 24 24 32 24 24 32 25 2,17-PC2ELS & pille op conduction 34 36 36 36 37 36 36 38 36 36 38 36 36 38 36 36 39 36 36 39 36 36 39 36 36 39 36 36 39 36 36 39 36 36 39 36 36 30 36 36 30 36 36 30 36 36 30 36 36 30 36 36
Z3_3790 Lift Tower 2_Ptr 3 column construction 30 31-Dec 20 67-Fd Z3_380 Lift Tower 2_Ptr 3 column construction 30 31-Dec 20 67-Fd Z3_542 SR5-2_pling works 3 bir mini plie 36 32 22-Dec 20 A Z3_542 SR5-2_pling works 20 ir mini plie 36 44 24-Dec 20 12.4pr RETAINING WALL & SUBWAY RETAINING WALL & SUBWAY 31 31 27-Fd-51 66-Apr Z3_550 RWL demolster basiling retaining structure basiling retainin	55760-21 01-Dec-20 00-Jan-2 5548-21 00-Jan-21 02-F68-2 4-Dec-20 01-Dec-20 15-Jan-2 2-Apr-21 12-Dec-20 25-Mar-2 77.F68-21 01-Dec-20 25-Jan-2 8-Apr-21 25-Jan-21 25-Jan-2 10-Mar-21 25-Jan-21 08-Mar-2 10-Mar-21 25-Jan-21 09-Mar-2 10-Mar-21 22-Dec-20 22-F68-2 11-Mar-21 22-Jan-21 23-Apr-2	31-De-20 05-Feb-21 0-De-20 0-Jan-21 0-Feb-21 05-Feb-21 0-De-20 0-Jan-21 0-Feb-21 05-Feb-21 0-De-20 15-Jan-21 02-Go2:02 12-Go2:02 15-Jan-21 02-Go2:02 12-Go2:02 15-Jan-21 02-Go2:02 12-Go2:02 15-Jan-21 02-Go2:02 12-Go2:02 12-Go2:02 02-Go2:02 12-Go2:02 12-Go2:02 </td <td>SR5-2_pling works thr mm pie</td>	SR5-2_pling works thr mm pie
22,3300 Lit Tower 2_Per 3 column construction 21 21 91 95 Feb 21 05 Mail EW SLIP FOAD 5 5 5 24 24-Oct 20 2 4-Oct 20 <t< td=""><td>544ar21 08-Jan21 02-Feb2 44-Dec-20 01-Dec-20 15-Jan2 2.Apr21 12-Dec-20 26-Mar2 7.Freb-21 01-Dec-20 26-Jan2 46-Apr21 26-Jan21 06-Mar2 (6-Apr21 26-Jan21 23-Mar2 10-Mar21 30-Jan21 08-Mar2 8-Dec-20 07-Dec-20 07-Jan2 10-Mar21 22-Dec-20 22-Feb2</td><td>05-Feb-21 05-Jan 21 02-Feb 21 15-Jan 21 22-Oct20A 24-Oct20 15-Jan 21 15-Jan 21 24-Dec 20 12-Oct2 15-Jan 21 22-Oct20 24-Dec 20 12-Oct2 15-Jan 21 22-Oct20 24-Dec 20 12-Dec 20 26-Jan 21 21-Oct20 25-Feb 21 04-Dec 20 25-Jan 21 23-Jan 21 25-Feb 21 20-Jan 21 23-Jan 21 23-Jan 21 25-Feb 21 20-Jan 21 23-Jan 21 23-Jan 21 25-Feb 21 20-Jan 21 23-Jan 21 23-Jan 21 21-Feb 21 21-Jan 21 23-Jan 21 23-Jan 21 21-Feb 21 21-Feb 21 21-Feb 21 23-Feb 21 21-Feb 21 21-Feb 21 23-Feb 21 23-Feb 21 21-Feb 21 21-Feb 21 23-Feb 21 23-Feb 21</td><td>SR5-2_pling works thr mm pie</td></t<>	544ar21 08-Jan21 02-Feb2 44-Dec-20 01-Dec-20 15-Jan2 2.Apr21 12-Dec-20 26-Mar2 7.Freb-21 01-Dec-20 26-Jan2 46-Apr21 26-Jan21 06-Mar2 (6-Apr21 26-Jan21 23-Mar2 10-Mar21 30-Jan21 08-Mar2 8-Dec-20 07-Dec-20 07-Jan2 10-Mar21 22-Dec-20 22-Feb2	05-Feb-21 05-Jan 21 02-Feb 21 15-Jan 21 22-Oct20A 24-Oct20 15-Jan 21 15-Jan 21 24-Dec 20 12-Oct2 15-Jan 21 22-Oct20 24-Dec 20 12-Oct2 15-Jan 21 22-Oct20 24-Dec 20 12-Dec 20 26-Jan 21 21-Oct20 25-Feb 21 04-Dec 20 25-Jan 21 23-Jan 21 25-Feb 21 20-Jan 21 23-Jan 21 23-Jan 21 25-Feb 21 20-Jan 21 23-Jan 21 23-Jan 21 25-Feb 21 20-Jan 21 23-Jan 21 23-Jan 21 21-Feb 21 21-Jan 21 23-Jan 21 23-Jan 21 21-Feb 21 21-Feb 21 21-Feb 21 23-Feb 21 21-Feb 21 21-Feb 21 23-Feb 21 23-Feb 21 21-Feb 21 21-Feb 21 23-Feb 21 23-Feb 21	SR5-2_pling works thr mm pie
EW SLIP ROAD 5 22,342 SR52_plag works for miniple 36 22 24-06:20 12.4pt 23,540 SR53_plaing works 21 nr miniple 86 46 42-0e:20 12.4pt ETAINING WALL & SUBWAY ETAINING WALL & SUBWAY 57.50 58.50 59.3pt:21 27.feb RETAINING WALL NO.1 23.450 RWI, demoldriv leading retaining stockure 45 45 52.5Feb:21 68.49 23.450 RWI, demoldriv leading retaining stockure 45 45 25.Feb:21 62.49 RETAINING WALL NO.4 23.460 RWY, ELS works for Bay 410 b 414 (12m_2 28 28 25.Feb:21 62.49 RETAINING WALL NO.5 23.1218_10 RWK ELS works for Bay 610 b Bay 606 25 22 18.410×00.4 63.04 60.050e.20 50.3ar 23.1218_10 RWK ELS works for Bay 610 b Bay 605 25 20 18.410×00.4 25.5e0.20 62.43 22.121.21 10.43 23.42 24.412.00.4 23.42 24.412.00 24.412.01 24.412.01 24.412.01 24.412.01 24.412.02	4-Dec-20 01-Dec-20 15-Jan-2 2-Apr-21 12-Dec-20 26-Mar-2 7-Feb-21 01-Dec-20 26-Jan-2 (6-Apr-21 26-Jan-21 06-Mar-2 (6-Apr-21 26-Jan-21 23-Mar-2 10-Mar-21 30-Jan-21 08-Mar-2 8-Dec-20 07-Dec-20 07-Jan-2 (9-Jan-21 22-Dec-20 22-Feb-2 11-Mar-21 22-Jan-21 23-Apr-2	28-Qo120A 24-Qo120 01-Qo120 15-Jan 21 24-Do120 12-Qo120 15-Jan 21 24-Do120 15-Jan 21 24-Do120 12-Qo120 24-Mar 21 12-Qo120 24-Mar 21 25-Fob 21 04-Apr 22 25-Jan 21 23-Mar 21 23-Mar 21 25-Fob 21 04-Apr 23 23-Jan 21 23-Mar 21 25-Fob 21 20-Apr 23 23-Jan 21 23-Mar 21 25-Fob 21 20-Apr 23 23-Jan 21 23-Mar 24 25-Fob 21 20-Apr 23 23-Jan 21 23-Mar 24 25-Fob 21 20-Apr 23 23-Jan 21 23-Mar 24 25-Fob 21 20-Apr 24 23-Jan 21 23-Mar 24 25-Fob 21 20-Apr 24 23-Jan 24 23-Mar 24 21-Fob 21 21-Apr 24 23-Jan 24 23-Jan 24 21-Fob 21 21-Fob 21 23-Fob 21 23-Fob 21 21-Fob 21 22-Fob 21 23-Fob 21 23-Fob 21 21-Fob 21 22-Fob 21 23-Fob 21 23-Fob 21	RW6_ELS socks for Bary601 to Bary606 (45m, 2 soc)
23.942 SR5-2_plag works for miniple 34 24 24-20-200 24-20-200 24-20-200 24-20-200 12-4p 23.9400 SR5-3_plag works 21 nr miniple 84 64 24-20-200 12-4p ETAINING WALL & SUBWAY ETAINING WALL NO.1 31 31 22-F6b-21 06-4p 73.9450 RWI, ELS works for Bay 101 to Bay 104 31 31 22-F6b-21 06-4p 73.9460 RWI, ELS works for Bay 101 to Bay 104 31 31 22-F6b-21 06-4p 73.9460 RWI, ELS works for Bay 410 to 414 (12m_2 28 28 25 26-12 30-Ma RETAINING WALL NO.6 Z2_1218_10 RWG, ELS works for Bay 601 to Bay 606 25 22 18-Mov 20A 25-D6-20 30-Jar Z3_1218_10 RWG, retaining wall construction for Bay 601 to Bay 64 64 60 -D6-20 30-Jar Z3_1218_10 RWG, retaining wall construction for Bay 701 to Bay 124 60 14-Jar 21 24-Jar 20 24-Jar 20 25-D6-20 02-F6 Z3_1218_10 RWG, retaining wall con	2.46r.21 12.0ec.20 26.46r.2 7.7.Feb21 01.0ec.20 26.Jan.2 8.4pr.21 26.Jan.21 06.Mar.2 (6.4pr.21 26.Jan.21 23.Mar.2 0.4ar.21 30.Jan.21 08.Mar.2 8.0ec.20 07.0ec.20 07.Jan.2 0.Jan.21 22.Jan.21 23.Apr.2	24 Oct 30 A 2406:00 01 Oct 20 05 Jan 21 24 Oct 20 12 Apr 21 12 Oct 20 25 Adar 21 25 Feb 21 08 Apr 21 25 Jan 21 05 Adar 21 25 Feb 21 08 Apr 21 25 Jan 2 25 Jan 21 05 Adar 21 25 Feb 21 30 Adar 21 30 Jan 2 108 Adar 21 25 Feb 21 30 Adar 21 30 Jan 2 108 Adar 21 25 Feb 21 30 Adar 21 30 Jan 2 108 Adar 21 18 Nov 20 A 28 Dec 20 07 Dec 30 07 Jan 21 00 Oct 20 30 Jan 2 1 22 Dec 20 25 Feb 21 04 Jan 2 1 Jahar 21 23 Apr 21 01 Feb 21 25 Feb 21 35 Feb 2 1 32 Adar 21	RW5_ELS works for Bay 601 to Bay 606 (45m, 2 sch)
23.5400 Sh5.3_pling works 21rr min jple 84 84 94 24-Dec 20 12.4pr IETAINING WALL & SUBWAY RETAINING WALL & SUBWAY RETAINING WALL NO.1 IETAINING WALL NO.4 IETAINING WALL SA IETAINING WALL SA IETAINING WALL SA IETAINING WALL SA IETAINING WALL SA <t< td=""><td>2.46r.21 12.0ec.20 26.46r.2 7.7.Feb21 01.0ec.20 26.Jan.2 8.4pr.21 26.Jan.21 06.Mar.2 (6.4pr.21 26.Jan.21 23.Mar.2 0.4ar.21 30.Jan.21 08.Mar.2 8.0ec.20 07.0ec.20 07.Jan.2 0.Jan.21 22.Jan.21 23.Apr.2</td><td>24 Oct 30 A 2406:00 01 Oct 20 05 Jan 21 24 Oct 20 12 Apr 21 12 Oct 20 25 Adar 21 25 Feb 21 08 Apr 21 25 Jan 21 05 Adar 21 25 Feb 21 08 Apr 21 25 Jan 2 25 Jan 21 05 Adar 21 25 Feb 21 30 Adar 21 30 Jan 2 108 Adar 21 25 Feb 21 30 Adar 21 30 Jan 2 108 Adar 21 25 Feb 21 30 Adar 21 30 Jan 2 108 Adar 21 18 Nov 20 A 28 Dec 20 07 Dec 30 07 Jan 21 00 Oct 20 30 Jan 2 1 22 Dec 20 25 Feb 21 04 Jan 2 1 Jahar 21 23 Apr 21 01 Feb 21 25 Feb 21 35 Feb 2 1 32 Adar 21</td><td>RW6_ELS socks for Bary601 to Bary606 (45m, 2 soc)</td></t<>	2.46r.21 12.0ec.20 26.46r.2 7.7.Feb21 01.0ec.20 26.Jan.2 8.4pr.21 26.Jan.21 06.Mar.2 (6.4pr.21 26.Jan.21 23.Mar.2 0.4ar.21 30.Jan.21 08.Mar.2 8.0ec.20 07.0ec.20 07.Jan.2 0.Jan.21 22.Jan.21 23.Apr.2	24 Oct 30 A 2406:00 01 Oct 20 05 Jan 21 24 Oct 20 12 Apr 21 12 Oct 20 25 Adar 21 25 Feb 21 08 Apr 21 25 Jan 21 05 Adar 21 25 Feb 21 08 Apr 21 25 Jan 2 25 Jan 21 05 Adar 21 25 Feb 21 30 Adar 21 30 Jan 2 108 Adar 21 25 Feb 21 30 Adar 21 30 Jan 2 108 Adar 21 25 Feb 21 30 Adar 21 30 Jan 2 108 Adar 21 18 Nov 20 A 28 Dec 20 07 Dec 30 07 Jan 21 00 Oct 20 30 Jan 2 1 22 Dec 20 25 Feb 21 04 Jan 2 1 Jahar 21 23 Apr 21 01 Feb 21 25 Feb 21 35 Feb 2 1 32 Adar 21	RW6_ELS socks for Bary601 to Bary606 (45m, 2 soc)
RETAINING WALL & SUBWAY RETAINING WALL NO.1 27.450 RW1_demoistin esting retaining structure bearers 129/10 and Eay 104 45 67.50 67.21 27.464 2.3_450 RW1_demoistin esting retaining structure bearers 129/10 and Eay 104 43 45 67.50 27.464 68.42 27.464 68.42 27.464 68.42 27.464 68.42 27.464 68.42 27.464 68.42 27.464 68.42 27.464 68.42 27.464 68.42 27.464 68.42 27.464 68.42 28.42 28.46 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.42 28.44 78.44 78.44 78.44 78.44 78.44 78.44 78.44 78.44 78.44 78.44 78.44 78.44 78.44 78.44 78.44	77-F6b-21 01-Dec-20 26-Jan-2 88-Apr-21 26-Jan-21 06-Mar-2 56-Apr-21 26-Jan-21 23-Mar-2 10-Mar-21 30-Jan-21 08-Mar-2 18-Dec-20 07-Dec-20 07-Jan-2 19-Dan-21 22-Dec-20 22-F6b-2 19-Mar-21 22-Jan-21 23-Apr-2	24-Dec 20 12 Apr 21 12 Dec 20 26-Mar 21 02 Jan 21 27 Feb 21 01-Dec 20 26-Jan 21 27 Feb 21 06-bar 21 26-Jan 2 06-Mar 21 27 Feb 21 26-Apr 21 26-Jan 2 06-Mar 21 28 Feb 21 30-Mar 21 30-Jan 2 08-Mar 21 28 Feb 21 30-Mar 21 30-Jan 2 08-Mar 21 18 Norv20 A 28 Dec 20 07-Dec 20 07-Jan 21 00-Dec 20 30-Jan 2 22 Dec 20 22 Feb 21 01-Feb 21 22 Feb 21 31-Mar 21 23-Apr 21 01-Feb 21 22 Feb 21 32-Feb 21 32-Apr 21 01-Feb 21 22 Feb 21 32-Feb 21 32-Feb 21 32-Apr 21 01-Feb 21 22 Feb 21 32-Feb 21 32-Feb 21 32-Apr 21 01-Feb 21 22 Feb 21 32-Feb 2	RW6_ELS works for Bay601 to Bay606 (45m, 2 scie)
RETAINING WALL NO.1 23_659 RW1_demotish existing retaining structure basewin Bay 101 and Bay 104 43 45 02.Jan.21 27.Feb.21 05.4a 23_660 RW1_demotish existing retaining structure basewin Bay 101 ba bay 100 45 45 27.Feb.21 05.4a 23_6400 RW2_ELS works for Bay 101 bb 141 (12m_2) 28 28 25.Feb.21 05.4a RETAINING WALL NO.4 23 25.Feb.21 05.4a 05.4a 05.4a 05.4a RETAINING WALL NO.4 23 25.Feb.21 05.4a 05.4a 05.4a 05.4a RETAINING WALL NO.4 23 214 0.10 RW2_ELS works for Bay 601 b Bay 600 22 27 0.4Jan.21 13.4a 23_1218_10 RW2_ELS works for Bay 601 b Bay 600 22 27 0.4Jan.21 13.4a 23_1218_10 RW2_retaining wall construction for Bay 701 b Bay 16 16 0.Feb.21 26.Feb 23_1218_10 RW2_retaining wall construction for Bay 701 b Bay 24 02 19.4a 04.4a 04.4a 04.4a 23_1420 RY2_Feb.5a works for Bay 58.01 Bay 58.01 Bay 58.01 16	8-Apr.21 26-Jan.21 06-Mar.2 6-Apr.21 26-Jan.21 23-Mar.2 10-Mar.21 26-Jan.21 23-Mar.2 10-Mar.21 30-Jan.21 08-Mar.2 18-Dec.20 07-Dec.20 07-Jan.2 10-Jan.21 22-Dec.20 22-Feb.2 11-Mar.21 22-Jan.21 23-Apr.2	27-Feb-21 8-Jan-21 8-Jan-21 8-Jan-21 8-Jan-21 27-Feb-21 2-Fab-21 2-Jan-21 2-Jan-21 27-Feb-21 2-Fab-21 2-Fab-21 2-Fab-21 27-Feb-21 2-Fab-21 2-Fab-21 2-Fab-21 27-Feb-21 2-Fab-21 2-Fab-21 2-Fab-21 27-Feb-21 2-Fab-21 2-Fab-21 2-Fab-21 27-Feb-21 2-Fab-21 2-Fab-21 27-Feb-22 2-Fab-21 2-Fab-21 <t< td=""><td>RW6_ELS works for Bay601 to Bay606 (45m, 2 sch)</td></t<>	RW6_ELS works for Bay601 to Bay606 (45m, 2 sch)
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Z3_455 RW1_demolark existing retaining structure between By 101 and By 104 45 0.2.Jan.21 27.Feb.21 0.6.Apt 0.6.Apt Z3_460 RW1_demolark existing retaining structure between By 103 and By 105 45 0.2.Feb.21 26.Apt 24.4 27.Feb.21 26.Apt 25.Feb.21 26.Apt 26.Apt 26.Apt 27.4 28 28 25.Feb.21 26.Apt 27.4 28.Apt 27.4 28.Apt 27.4 28 28 25.Feb.21 30.Abt 27.4 RETAINING WALL NO.4 TAULINO.4 TAULINO.4 18.Apt 27.2 18.Apt 27.4 30.Abt 28.Apt 27.4 28.Apt 27.4 30.Abt 29.2 25.Feb.21 30.Abt 29.2 30.Abt 29.2 22.5 20.2 18.Apt 20.Apt 20.2 30.Abt 20.2 30.Abt 20.2 30.Abt 20.2 30.Abt 20.2 30.Abt 20.2 27.6 4.Jan 21 30.Abt 20.2 30.Abt 20.2 30.Abt 20.2 30.Abt 20.4	8-Apr.21 26-Jan.21 06-Mar.2 6-Apr.21 26-Jan.21 23-Mar.2 10-Mar.21 26-Jan.21 23-Mar.2 10-Mar.21 30-Jan.21 08-Mar.2 18-Dec.20 07-Dec.20 07-Jan.2 10-Jan.21 22-Dec.20 22-Feb.2 11-Mar.21 22-Jan.21 23-Apr.2	27-Feb-21 8-Jan-21 8-Jan-21 8-Jan-21 8-Jan-21 27-Feb-21 2-Fab-21 2-Jan-21 2-Jan-21 27-Feb-21 2-Fab-21 2-Fab-21 2-Fab-21 27-Feb-21 2-Fab-21 2-Fab-21 2-Fab-21 27-Feb-21 2-Fab-21 2-Fab-21 2-Fab-21 27-Feb-21 2-Fab-21 2-Fab-21 2-Fab-21 27-Feb-21 2-Fab-21 2-Fab-21 27-Feb-22 2-Fab-21 2-Fab-21 <t< td=""><td>RW6_ELS works for Bay601 to Bay606 (45m, 2 ade)</td></t<>	RW6_ELS works for Bay601 to Bay606 (45m, 2 ade)
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b SR405 b SR405 c			
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23_5120 Bit A base pile construction for Bay SR406 to SR406 32 Bit 0-Aug-20A 30-Det 30-Det 32_5130 31 SR4, retaining wall construction for Bay SR406 to SR406 48 48 04-Feb-21 08-Ap 30-Det 30-SR406 MODIFY EXISTING SUBWAY NS30 160 160 02-Jan-21 21-Ju 21-Ju VORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4) 21-Ju VORK BETWEEN FOOTBRIDGE NF40 AND NF66 (ZONE 4) PRELIMINARIES WORKS SUMMARY PROGRAMME 2450 06-Abs-20 09-Ne 24, 1000 20 06-Abs-20 09-Ne 24, 20 Z4SU1005 Zone 4 Sbage 1N 8 & Sb foundation 43 270 06-Abs-20 09-Ne 24-As Z4SU1000 Zone 4 NF66 Construction 220 116 20-Jul-20 24-Ap			SR4_mmove ELS & baqkiil for Bay S
23_3130 SR4_mathing wall construction for Bay SR406 48 48 04-Feb-21 08-Ap MODIFY EXISTING SUBWAY NS30 23_4542 Demoltah existing subway & constructin/S30 160 160 02-Jan-21 21-Ju VORK BETWEEN FOOTBRIDGE NF40 AND NF56 (ZONE 4) PRELIMINARIES WORKS SUMMAR Y PROGRAMME 24/Ju 270 06-Mar 20 09-Mit Z4SU1005 Zone 4 Sbage 1 NB & SB foundation 43 270 06-Mar 20 09-Mit Z4SU1000 Zone 4 NF66 Construction 220 116 20-Ju/20 A 24-Ap		30-Jun-20 A 12-Dec-20 24-Sep-20 22-Och20 SR4_ELS works for Bay SR406 to Bay SR4	409(80m_1 side)
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	06-Apr-21 06-Jan-21 06-Mar-2 21-Jul-21 01-Dec-20 21-Jun-2 09-Nor-21 31-Mar-20 16-Sep-2	06-Mar-20 A 09-Hor-21 31-Mar-20 16-Sep-21 31-Mar-20	
	06-Apr-21 06-Jan-21 06-Mar-3 21-Jul-21 01-Dec-20 21-Jun-3 09-Mor-21 31-Mar-20 16-Sep-2 24-Apr-21 31-May-20 31-May-1	06-Mar-20A 09-Hor-21 31-Mar-20 16-Sep-21 20-Jul-20A 24-Apr-21 31-Map-20 31-Map-21	
PREPARATORY WORKS	06-Apr-21 06-Jan-21 06-Mar-3 21-Jul-21 01-Dec-20 21-Jun-3 09-Mor-21 31-Mar-20 16-Sep-2 24-Apr-21 31-May-20 31-May-1	06-Mar-20 A 09-Hor-21 31-Mar-20 16-Sep-21 31-Mar-20	
MODIFICATION EXISTING ROAD/TEMPORARY ROAD	06-Apr-21 06-Jan-21 06-Mar-3 21-Jul-21 01-Dec-20 21-Jun-3 09-Mor-21 31-Mar-20 16-Sep-2 24-Apr-21 31-May-20 31-May-1	ZONE 4)	
Z4_1335 Zone 4 & 5_construct temporary road platform 60 60 07-Dec-20* 20-Fe along Northbound	06-Apr-21 06-Jan-21 06-Mar-3 21-Jul-21 01-Dec-20 21-Jun-3 09-Mor-21 31-Mar-20 16-Sep-2 24-Apr-21 31-May-20 31-May-1	ZONE 4)	
UTILITIES DIVERSION	06-Jan 21 06-Jan 21 06-Mar 3 21-Jul 21 01-Dec 20 21-Jun 3 99-Nov-21 31-Mar 20 16-Sep 3 24-Apr 21 31-May 20 31-May 3 26-Oct 21 06-Jan 20 26-Apr 2	ZONE 4)	
NORTHBOUND	06-Jan 21 06-Jan 21 06-Mar 3 21-Jul 21 01-Dec 20 21-Jun 3 99-Nov-21 31-Mar 20 16-Sep 3 24-Apr 21 31-May 20 31-May 3 26-Oct 21 06-Jan 20 26-Apr 2	06-Mar 20 A 09-Hor-21 31-Mar 20 16-Sep 21 20-Jui 20 A 24-Apr 21 31-Mar 20 31-Mar 20 12 Oct 19 A 26-Oct 21 06-Jan 20 28-Apr 21	
	06-Jan 21 06-Jan 21 06-Mar 3 21-Jul 21 01-Dec 20 21-Jun 3 99-Nov-21 31-Mar 20 16-Sep 3 24-Apr 21 31-May 20 31-May 3 26-Oct 21 06-Jan 20 26-Apr 2	06-Mar 20 A 09-Hor-21 31-Mar 20 16-Sep 21 20-Jui 20 A 24-Apr 21 31-Mar 20 31-Mar 20 12 Oct 19 A 26-Oct 21 06-Jan 20 28-Apr 21	
Remaining Level of Effort Remaining Work	06-Jan 21 06-Jan 21 06-Mar 3 21-Jul 21 01-Dec 20 21-Jun 3 99-Nov-21 31-Mar 20 16-Sep 3 24-Apr 21 31-May 20 31-May 3 26-Oct 21 06-Jan 20 26-Apr 2	06-Mar-20 A 09-Mor-21 31-Mar-20 16-Sep-21 20-Jul-20 A 24-Jul-21 31-Mar-20 31-Mar-20 20-Jul-20 A 24-Jul-21 31-Mar-20 32-Mar-20 20-Jul-20 B 28-Jul-20 28-Jul-20 32-Mar-20 20-Jul-20 B 28-Jul-20 28-Jul-20 32-Mar-20 20-Jul-20 B 20-Jul-20 28-Jul-20 32-Mar-20 20-Jul-20 B 20-Jul-20 20-Jul-20 32-Ma	
Actual Level of Effort Critical Remaining Work	06-Apr-21 06-Jan 21 06-Mar 3 21-Jul 21 01-Dec 20 21-Jun 3 20-Mov-21 31-Mar 20 16-Sep 3 24-Apr-21 31-Aug-20 31-May 3 28-Oc121 06-Jan 20 28-Apr 2 20-Feb-21 07-Dec 20 20-Feb-	06-Mar-20 A 09-Nov-21 31-May-20 16-Sep 21 20-Jul-20 A 24-Apr-21 31-May-20 31-May-20 20-Jul-20 A 24-Apr-21 31-May-20 31-May-20 20-Jul-20 A 24-Apr-21 31-May-20 31-May-20 20-Jul-20 A 24-Apr-21 31-May-20 28-Apr-21 20-Jul-20 B 28-Apr-21 02-Jul-20 28-Apr-21 07-Dec-20* 29-Feb-21 02-Dec-20 29-Feb-21 07-Dec-20* 29-Feb-21 02-Dec-20 29-Feb-21 Ing Work Primary Baseline ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI F	Zow 485_construct temporary in Zow 485_construct temporary in PO ROAD (SHA TIN SECTION) Date Revision Checked Approved 08-Dec-20 [3MBP DWP 2011] Tim

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Activity Name	Driginal P Duration	Remaining 3MRP Start Duration	3MRP Finish	AP10 Starl	AP10 Finish	New York Control of Co	2020	lae -	2020 Eds	Mar
	Durason					29	30	31	22	33
Z4_1300 UU_HKT-slew cable for N4 & NF66 CH2320-2360 40m	5	5 30-Nov-20	04-Dec-20	31-OcI-20	05-Nov-20	<	UU_HKT-siew cable for N4 & NF6 6 C H2 320-2360 40m			
NOISE BARRIER AND SEMI-ENCLOS	URE									
PILE FOUNDATION WORKS										•••••
NORTHBOUND	110100-000									
			1000							-
Z4_1520 N4_mini piles for N4-12 to N4-27 (126nr ve	r) 128	128 04-Jan-21	11-Jun-21	04-Jan-21	11-Jun-21					
SOUTHBOUND										
Z4_1120 SE6_mini piles for S6E1-51P to 57P (48 m	ver) 192	44 19-Aug-20 /	A 23-Jan-21	16-Sep-20	13-May-21					
Z4_1540 SE6_mini piles for S6E1-58 to S6E1-69 (70 ver)	Inr 140	92 05-Jun-20 A	21-May-21	28-Sep-20	19-Mar-21					
				1						
BRIDGE AND STRUCTURE WORKS					_					
MODIFICATION WORKS FOR NF40										
NF40_1010 Demolish existing staircase	45	9 28-Oc1-20 A	09-Dec-20	31-Oc1-20	22-Dec-20		Demolish existing stairc	150		
NF40_1080 Construct pile cap & part of new column	60	60 23-Jan-21	10-Apr-21	22-Dec-20	09-Mar-21					and the second
MODIFICATION WORKS FOR NF66				1						
	60	60 14-Dec-20*	27.Eeb.21	14-Dec-20	27.Eeb-21				Const	nucl be new co
NF66_1020 Construct the new column & columnhead					1	the first state of the state of the			Gonar	Contract new Co
NF66_1030 Erection temporary support lower	60	60 21-Jan-21	10-10-10-10-10-10-10-10-10-10-10-10-10-1		07-Apr-21					
NF66_1040 Remove existing column	60	60 06-Feb-21	24-Apr-21	06-Feb-21	24-Apr-21					-
WORK BETWEEN FOOTBRIDGE	F66 AND F	O TAN ROAD	O (ZONE S	5)	1					
PRELIMINARIES WORKS										
SUMMARY PROGRAMME					-					
Z5SU1005 Zone 5 Stage 1 NB & SB foundation	467	330 10-Feb-20	A 11-Jan-22	31-Mar-20	28-Oci-21					
PREPARATORY WORKS										
MODIFICATION EXISTING ROAD/TEMPORA	ARYROAD	SI BEARD	use 110eg							
Z5_1720 Zone 5-1_construct temporary road platfor along Northbound	m 45	45 30-Nov-20	23-Jan-21	31-Oct-20	22-Dec-20			Zone 5-1_con	struct temporary road platform along Northbound	
along Northbound Z5_1730 Zone 5-1_remove existing central barrier	21	21 25-Jan-21	24-Feb-21	23-Dec-20	22-Jan-21				Zone 5-1_remo	love existing c
						7				A.C. C. A.C
UTILITIES DIVERSION										
NORTHBOUND										
Z5_1610 UU_CLP-slew 132kv cable for N4 CH2500-2550 50m	6	6 30-Nov-20	05-Dec-20	31-Oc1-20	06-Nov-20	1	UU_CLP-siew 132kv cable for N4 CH2500-2550 50m			
Z5_1630 UU_HGC-slew cable for N4 CH2575-265	075m 9	9 07-Dec-20	16-Dec-20	07-Nov-20	17-Nov-20	· · · · · · · · · · · · · · · · · · ·	UU_HGC-slew cable for N4 CH2575-26	50 75m		
Z5_1640 UU_NWT-slew cable for N 4 C H2 580-265		15 17-Dec-20	06-Jan-21	18-Nov-20	04-Dec-20			UU_NWT-slew cable for N 4 C H2 58 0-26 50 70m		
			_		-					
NOISE BARRIER AND SEMI-ENCLOS	SURE									
PILE FOUNDATION WORKS						1.1.2 (19) 249 (19)				
SOUTHBOUND	S. Cranto			N. SVIE						
Z5_1170 SE3-1_site investigation for S3E1-51 to S3 (21nr)	E1-72 55	26 05-May-20	A 02-Jan-21	15-Jul-20	16-Sep-20			SE3-1_site investigation for S3E1-51 to S3E1-72 (21nr)		
(21nr) Z5_1180 SE3-1_mini piles for S3E1-51 to S3E1-72 (132nr ver)	132	132 25-Feb-21	06-Aug-21	23-Jan-21	08-Jul-21					
		62 27-Nov-20			01-Feb-21				SE3-2_mini piles for S3E2-59P & 6	61P (1 Gnr ver)
Z5_2000 SE3-2_mini piles for S3E2-59P & 61P (16		02 27-1104-20		10110720	01100-21					
SOUTHBOUND SLIP ROAD										
Z5_1290 R4_site investigation for R4-10P & 12P (6	r) 30	15 13-Aug-20	A 16-Dec-20	24-Dec-20	30-Jan-21				Fi4_site investigation for R4-10P & 12P (Bnr)	
Z5_1300 R4_mini piles for R4-10P (12nr raking, 11	nr ver) 92	92 17-Feb-21	11-Jun-21	02-Feb-21	29-May-21					
PILE CAP AND FOOTING		ACCURATE ON THE	a de la res							
and the second	Contraction of the local of		-					and the second second second		
NORTHBOUND	and the second									
Z5_1020 N4_ELS for footing/cap construction N4-3 N4-53 (322m_2 side)	910 89	89 07-Jan-21	28-Apr-21	21-Dec-20	14-Apr-21					
SOUTHBOUND										
Z5_1230 SE3-2_ELS for footing construction S3E2 S3E2-61P (131m_2 side)	-51 10 73	73 17-Feb-21	20-May-21	02-Feb-21	06-May-21					
SOUTHBOUND SLIP ROAD				1						
	N3-02 17	9 01-Oct-20	A 09-Dec-20	26-Feb-21	17-Mar-21					
Z5_1260 N3_ELS for footing construction N3-01 to (30m_2 side)			A 05-Jan-21							
Z5_1270 N3_footing construction N3-01 to N3-02 (
Z5_1280 N3_backfill & remove ELS	5	5 06-Jan-21	12-Jan-21	19-Dec-20	28-Dec-20			N3_backfill & remove ELS		
PORTION E (ZONE 5)	Service State	ASTIS INC.	A STATE	States and	and the second					
	the second states		and the los	and the second second				Date	Revision Checked Approved	1
(Construction) (Construction) (Construction) (Construction)		emaining Wor			Primary		ROFITTING NOISE BARRIERS ON TAI PO R		MRP DWP 2011 Tim	
Actual Level of Effort		ritical Remaini	ng Work	• •	Baseline	Milesto	3 Months Rolling Programme (30/11/20)			
Actual Work	о м	lilestone					Page 5 of 6			

Activity Name	Original H Duration	omaining 3MHP Start Duration			_	New	Dec	Jan	2021	Fab	Mar
_						29	30	31		32	30
ELIMINARIES WORKS				A STATE OF		and the second					-
IMMARY PROGRAMME											1
IMMARY PROGRAMME											1
PR NORTHBOUND	1.2.2.1.1.1	E. Assertion and	Inches in	AURIAN	and the second						1
ESU 1000 Construction Zone 5 Portion E_Northbound	336	331 11-May-20 A	12 100 22	21. 1.4.20	16-Sep-21						1
structure	350	331 11-Way-20 A	12 Saires	3100120			***************************************		******	*****	, mar
SE BARRIER AND SEMI-ENCLOSURE											1
E FOUNDATION WORKS											1
FOUNDATION WORKS											1
RTHBOUND SLIP ROAD					CO. M. C. S. C.	and the second se					
_1185 Temporary realgin existing slip road	35	35 04-Jan-21*	16-Feb-21	04-Jan-21	16-Feb-21					the second s	4
aproximation and a second second	00	00 01000021	1010021		1010021					Temporary realgin existing slip	road
_1190 N4 & R5_site investigation for N4-54P to R5-02P (5nr)	25	25 17-Feb-21*	17-Mar-21	17-Feb-21	17-Mar-21						
CAP AND FOOTING	- THE REAL PROPERTY.	and the state of the state		Contraction of the local division of the loc							+
											1
THBOUND SLIP ROAD					State Manager						
1020 R5 ELS for footing construction R5-02 to R5-07	30	30 17-Feb-21	23-Mar-21	17-Feb-21	23-Mar-21						1
_1020 R5_ELS for footing construction R5-02 to R5-07 (120m_1 side)					-						
DWORKS AND REMAINING WORKS											
DTECHNICAL WORKS					-						1
											. <u>.</u>
THBOUND SLIP ROAD					ATTENDED IN						
1150 Zone 5 Portion E fill replacement by no-fines	50	29 10-Sep-20 A	04-Jan-22	09-Dec-20	09-Feb-21						1
_1150 Zone 5 Portion E_fill replacement by no-fines concrete 7SE-A/F163 (open excavation)					-						
1160 Zone S Portion E_fill replacement by no-fines concrete 7SE-A/FR136 (open excavation)	50	50 08-Dec-20"	08-Feb-21	09-Nov-20	09-Jan-21					Cone 5 Portion E_fill replacement by no-fines concret	10 7SE-AA
E_1170 Zone 5 Portion E_fill replacement by no-fines concrete 7SE-A/F133 (open excavation)	38	8 10-Feb-20 A	08-Dec-20	11-Sep-20	28-Oc1-20		Zone 5 Portion E_fill replacement by no-fines concrete 7SE-AF	33 (open excavation)			
concrete 7SE-A/F133 (open excavation)					-						1

	Denselation Winste	Primary Baseline	ROAD WIDENING & RETROFITTING NOISE BARRIERS ON TAI PO ROAD (SHA TIN SECTION)	Date	Revision	Checked	Approved
Remaining Level of Effort	Remaining Work			08-Dec-20	3MRP DWP 2011	Tim	
Actual Level of Effort	Critical Remaining Work ◆	 Baseline Milesto 	3 Months Rolling Programme (30/11/20)				
Actual Work	Milestone		Page 6 of 6				
	Vivileatorie						

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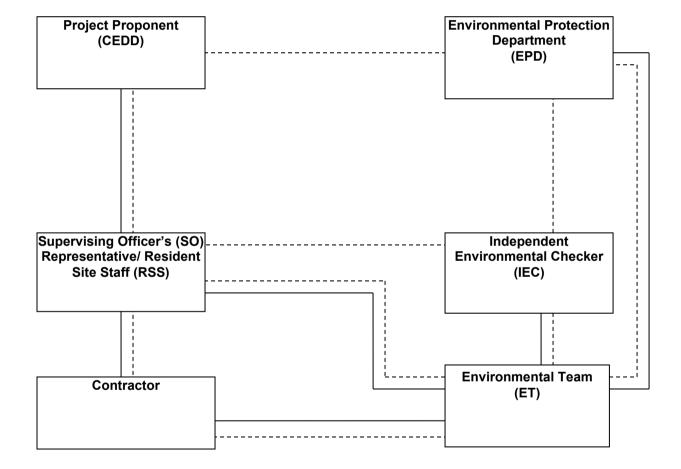


Appendix B

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





Legend:						
Line of Reporting						
Line of Communication						

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Appendix C

Action and Limit Levels for Air Quality and Noise

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



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

Parameter	Monitoring Station	Action Level (µg/m³)	Limit Level (µg/ m³)		
	AMS 4A	200			
24-hr TSP	AMS 5	156	260		
(µg/m³)	AMS 7A	165	200		
	AMS 12	168			
	AMS 4A	348			
1-hr TSP	AMS 5	340	500		
(µg/m³)	AMS 7A	344	500		
	AMS 12	296			

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

Time Period	Location	Action	Limit
0700-1900 hrs on normal weekdays	NMS1 NMS2 NMS3 NMS4 NMS5A NMS6A NMS7 NMS6A NMS7 NMS10A* NMS10A* NMS10A* NMS10A* NMS10A* NMS12* NMS11 NMS12* NMS13 NMS14 NMS15 NMS16 NMS15 NMS16 NMS15 NMS16 NMS17* NMS18 NMS19 NMS20 NMS23 NMS24 NMS25A 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



Report no.: 940891CA201915(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.	: 761106
Specification Limit	: NA
Next Calibration Date	: 13-Aug-2021

Laboratory Information

Description	:	Reference balance				
Equipment ID.	:	R-039-12				
Date of Calibration	÷	14-Aug-2020	Ambient Temperature : 33 °C			
Calibration Location	·	Calibration Laboratory of FTS	5			
Method Used	•	By direct comparison the wei	ght of dust particle trapped in a filter paper using high			
		volume sampler (TSP method) for a certain period, with the reading of the UUT. They				
		should be placed at the same	e location and powered on and off at the same time.			

Calibration Results :

Reference concentration (mg/m ³)	Total count for 1 hour	CPM (Count per minute)
0.0632	1555	25.92
0.0687	1627	27.12
0.0543	1456	24.27

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 = 0.002409
- 3. Correlation coefficient (r) : 0.9990

Checked by: Churry Date: lb - 9 - 2020 Certified by: $c_1 - 7 - 2020$ Date: 2l - 9 - 2020CA-R-297 (22/07/2009) Leung Kwok Tai (Assistant Manager)

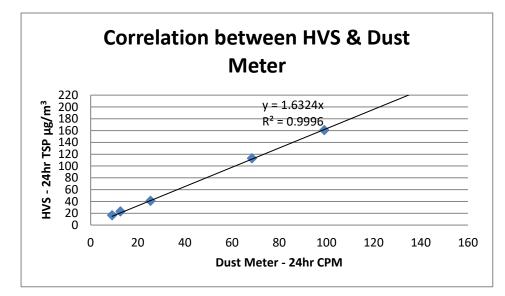
** End of Report **

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Correlation between HVS & Dust MeterModel:Sibata LD-5RSerial No:761106

HVS - 24hr TSP µg/m ³	16.56	23.11	41.02	112.97	160.87	220.44
Dust Meter - 24hr CPM	9.1	12.6	25.4	68.4	99.1	135.2



K factor = 1.6324



Report no. : 940891CA201915

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.	: 892187
Specification Limit	: NA
Next Calibration Date	: 13-Aug-2021

Laboratory Information

Description	:	TSP high volume air sample	r		
Serial no.	:	4350			
Date of Calibration	:	14-Aug-2020	Ambient Temperature : 33 °C		
Calibration Location	ŝ	Ma Wan A1 Site Boundary			
Method Used	3	By direct comparison the we	ight of dust particle trapped in a filter paper using high		
	volume sampler (TSP method) for a certain period, with the reading of the UUT. They				
		should be placed at the same location and powered on and off at the same time.			

Calibration Results :

Reference concentration (mg/m ³)	Total count for 1 hour	CPM (Count per minute)
0.0632	1573	26.22
0.0687	1608	26.80
0.0543	1473	24.55

Remarks:

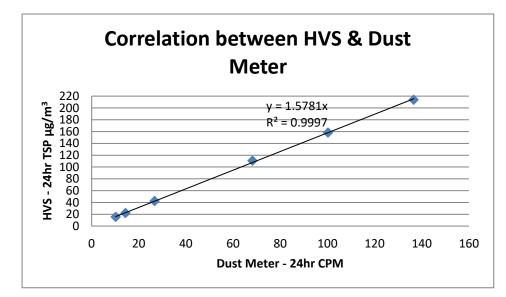
1. The equipment being used in this calibration is traceable to recognized National Standards.

- 2. The interpolation equation : Concentration (mg/m³) = K x [UUT reading (CPM)], where K = 0.002401
- 3. Correlation coefficient (r): 0.9908

Checked by :_____ Date :_____

Correlation between HVS & Dust MeterModel:Sibata LD-5RSerial No:892187

HVS - 24hr TSP µg/m ³	15.66	22.08	42.33	110.54	158.23	213.93
Dust Meter - 24hr CPM	10.2	14.3	26.7	68.2	100.2	136.5



K factor = 1.5781



Report no.: 940891CA201915(1)

Page 1 of 1

CALIBRATION CERTIFICATE OF DUST METER

Client : Fugro Technical Services Limited

Project : Calibration Services

Client Supplied Information

Details of Unit Under Test, UUT

Description	: Laser dust monitor
Manufacturer	: SIBATA
Model No.	: LD-5R
Serial No.	: 892189
Specification Limit	: NA
Next Calibration Date	: 13-Aug-2021

Laboratory Information

Description	:	TSP high volume air sample	r		
Serial no.	:	4350			
Date of Calibration	:	14-Aug-2020	Ambient Temperature : 33 °C		
Calibration Location	:	Ma Wan A1 Site Boundary			
Method Used	:	By direct comparison the wei	ght of dust particle trapped in a filter paper using high		
		volume sampler (TSP method) for a certain period, with the reading of the UUT. They			
		should be placed at the same location and powered on and off at the same time.			

Calibration Results :

Reference concentration (mg/m ³)	Total count for 1 hour	CPM (Count per minute)
0.0632	1507	25.12
0.0687	1541	25.68
0.0543	1458	24.30

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 = 0.002479
- 3. Correlation coefficient (r) : 0.9995

Checked by :_____ Date :_____ Date :_____ Certified by :_____ K ____ Date :_____ Date :_____ Date :_____ Date :_____ Leung Kwok Tai (Assistant Manager)

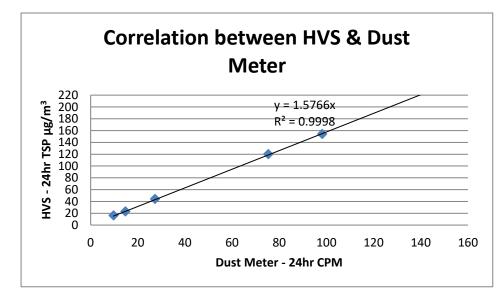
** End of Report **

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Correlation between HVS & Dust MeterModel:Sibata LD-5RSerial No:892189

HVS - 24hr TSP µg/m ³	16.45	23.11	44.23	120.03	154.34	220.37
Dust Meter - 24hr CPM	9.7	14.7	27.3	75.3	98.2	140.2



K factor = 1.5766



Report no.: 940891CA202730(1)

Page 1 of 1

CALIBRATION CERTIFICATE OF DUST METER

Client : Fugro Technical Services Limited

Project : Calibration Services

Client Supplied Information

Details of Unit Under Test, UUT

Description	: Laser dust monitor
Manufacturer	: SIBATA
Model No.	: LD-5R
Serial No.	: 761105
Specification Limit	: NA
Next Calibration Date	: 22-Nov-2021

Laboratory Information

Description		: 1. Balance		2. TSP high volume air sampler
Equipment ID. / Seria	al I	no. : 1. C-065-9		2. 4350
Date of Calibration	:	23-Nov-2020	А	mbient Temperature : 25 ± 10 °C
Calibration Location	:	General Chemical L	abo	pratory of FTS and Ma Wan A1 Site Boundary
Method Used	į	By direct compariso	on th	ne weight of dust particle trapped in a filter paper using high
		volume sampler (TS	SP r	method) for a certain period, with the reading of the UUT. They
		should be placed at	the	e same location and powered on and off at the same time.

Calibration Results :

Reference concentration (mg/m ³)	Total count for 1 hour	CPM (Count per minute)
0.0915	3647	60.78
0.0469	3027	50.45
0.1172	3861	64.35

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 = 0.001456
- 3. Correlation coefficient (r): 0.9928

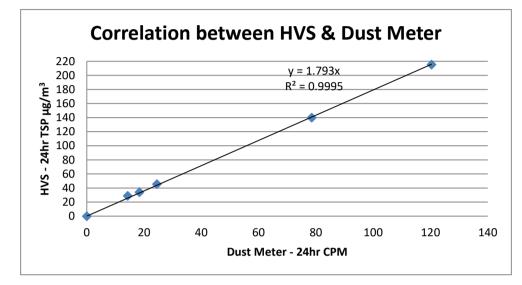
Checked by : Chung Date : 15-12-2020 Certified by : K Joung Date : N-12-2020 CA-R-297 (22/07/2009) Leung Kwok Tai (Assistant Manager)

** End of Report **

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

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



K factor = 1.793



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

Report no.: 203258CA201298(4)

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT

Description	:	Sound Level Meter					
Manufacturer	:	Casella					
		Meter	Microphone	Preamplifier			
Model No.	:	CEL-63X	CE-251	CEL-495			
Serial No.	:	1488293	04064	004061			
Equipment ID	:	N/A					
Next Calibration Date	:	14-Jul-2021					
Specification Limit	:	EN 61672-1: 2003 Class	1				

Laboratory Information

Details of Reference Equipment -

Description :	B & K Acoustic Multifunction Calib	orator 4226 (Traditional free f	ield setting)
Equipment ID.	R-108-1		
Date of Calibration :	15-Jul-2020		
Calibration Location :	Calibration Laboratory of FTS	Ambient Temperature :	20±2 °C
Method Used :	By direct comparison		

Calibration Results :

• and a definition of the second					
Parameters		Mean Value (dB)	Specification Limit(d		Limit(dB)
	4000Hz	0.9	2.6	to	-0.6
	2000Hz	1.1	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	-8.7	-7.2	to	-10.0
reepenee	125Hz	-16.1	-14.6	to	-17.6
	63Hz	-26.1	-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 61672-1: 2003 Class 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 :	hilliam	Date :	21-7-2020				
CA-R-297 (22/07/2009)				Leung I	Kwok Tai (Assista	nt Manager)	
			** E	and of Report **	\sim		

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

Report no.: 203258CA202302(3)

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Page 1 of 1

Client Supplied Information

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT

Description	: Sound Level Meter
	o "

Manufacturer	:	Casella		
		Meter	Microphone	Preamplifier
Model No.	:	CEL-63X	CE-251	CEL-495
Serial No.	:	2451048	00995	003341
Equipment ID	:	N/A		
Next Calibration Date	:	29-Oct-2021		

Specification Limit : EN 61672-1: 2003 Class 1

Laboratory Information

Details of Reference Equipment -

Description :	:	B & K Acoustic Multifunction Calib	rator 4226 (Traditional fr	ree	field setting)
Equipment ID. :	:	R-108-1			
Date of Calibration	;	30-Oct-2020			
Calibration Location	:	Calibration Laboratory of FTS	Ambient Temperature	:	20±2 °C
Method Used	:	By direct comparison	Relative Humidity	:	<80% R.H.

Calibration Results :

Parameters		Mean Value (dB)	Specification Limit(d		Limit(dB)
	4000Hz	0.8	2.6	to	-0.6
	2000Hz	1.1	2.8	to	-0.4
	1000Hz	0.0	1.1	to	-1.1
A-weigthing	500Hz	-3.3	-1.8	to	-4.6
frequency response	250Hz	-8.7	-7.2	to	-10.0
	125Hz	-16.1	-14.6	to	-17.6
	63Hz	-26.2	-24.7	to	-27.7
	31.5Hz	-39.1	-37.4	to	-41.4
Differential level linearity	94dB-104dB	0.0		± 0.6	6
	104dB-114dB	0.0		± 0.6	6

Remarks:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast.
- 4. The UUT 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 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 :	Lelliam	Date :	4-11-2020	_ Certified by : _	K.T. Joung	_Date :	4-11-2020
CA-R-297 (22/07/200	9)			Leung ł	Kwok Tai (Assistar	nt Manager)
** End of Report **							

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Certificate of Conformity and Calibration

Instrument Model:-	CEL-633A			
Serial Number Firmware revision	1488303 V006-03			
<u>Microphone Type:-</u> Serial Number	CEL-251 2849		nplifier Type:- I Number	CEL-495 003415
Instrument Class/Type:-	1			
Applicable standards:-				
IEC 61672: 2002 / EN 60651 (Elec IEC 60651 1979 (Sound Level Met			ns For Sound Level M	eters)
Note:- The test sequences performed Standard - IEC61672. The combination electro-acoustic performance to all appl Standards - IEC60651 and IEC60804.	of tests perform	ned are considered to cor	nfirm the products	l meter
52.	5 °C 2 %RH 9 mBar	Test Engineer:- Date of Issue:-	Chris Chesney September 4, 202	20

Declaration of conformity:-

This test certificate confirms that the instrument specified above has been successfully tested to comply with the manufacturer's published specifications. Tests are performed using equipment traceable to national standards in accordance with Casella's ISO 9001:2008 quality procedures. This product is certified as being compliant to the requirements of the CE Directive.

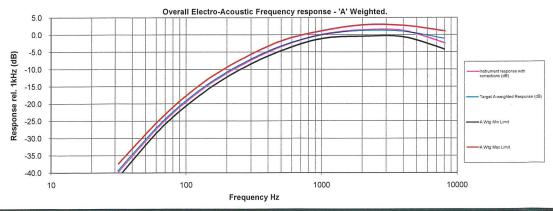
Test Summary:-

Self Generated Noise Test	All Tests Pass
Electrical Signal Test Of Frequency Weightings	All Tests Pass
Frequency & Time Weightings At 1 kHz	All Tests Pass
Level Linearity On The Reference Level Range	All Tests Pass
Toneburst Response Test	All Tests Pass
C-peak Sound Levels	All Tests Pass
Overload Indication	All Tests Pass
Acoustic Tests	All Tests Pass

Combined Electro-Acoustic Frequency Response - A Weighted

Combined Electro-Acoustic Frequency Response - A Weighted (IEC 61672-3:2006)

The following A-Weighted frequency response graph shows this instruments overall frequency response based upon the application of multi-frequency pressure field calibrations. The microphones Pressure to Free field correction coefficients are applied to pressure response. Reference level taken at 1kHz.



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Casella LISA

Ideal Industries India Pvt.Ltd. 229-230, Spazedge, Tower -B Sohna Road, Sector-47, Gurgaon-122001, Haryana , India.

Casella India

Tel: +91 124 4495100 E-mail: casella.sales@ideal-industries.in Ideal Industries China Room 305, Building 1, No 1279, Chuanqiao Rd, Pudong New District, Shanghai, China Tet + 465-21-31263188 Fax: + 86-21-31605906 Email: Info@casellasolutions.cn

Casella China

Casella Australia

Ideal Industries (Aust) PTY. LTD Unit 17, 35 Dunlop Rd, Mulgrave. Vic. 3170, Australia. Email: australia@casellasolutions.com

Tested to CEL-63X test sheet TP444 revision 01-00



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

Report no.: 203258CA202302(1)

Page 1 of 1

CALIBRATION CERTIFICATE OF SOUND LEVEL METER

Client Supplied Information

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT

Description	:	: Sound Level Meter	
Manufacturer	:	Casella	
		Meter	
Model No.	:	CEL-63X	

		Meter	Microphone	Preamplifier
Model No.	:	CEL-63X	CE-251	CEL-495
Serial No.	:	1488295	02795	003538
Equipment ID	:	N-54		

Next Calibration Date		29-Oct-2021
Specification Limit	:	EN 61672-1: 2003 Class 1

Laboratory Information

Details of Reference Equipment -

Description :		B & K Acoustic Multifunction Calib	rator 4226 (Traditional fr	ee	field setting)
Equipment ID. :		R-108-1			
Date of Calibration	;	30-Oct-2020			
Calibration Location	:	Calibration Laboratory of FTS	Ambient Temperature	:	20±2 °C
Method Used		By direct comparison	Relative Humidity	:	<80% R.H.

Calibration Results :

Paramet	ters	Mean Value (dB)	Specification Limit(dE		
	4000Hz	1.0	2.6	to	-0.6
	2000Hz	-0.2	2.8	to	-0.4
A-weigthing frequency response	1000Hz	0.0	1.1	to	-1.1
	500Hz	-3.3	-1.8	to	-4.6
	250Hz	-8.7	-7.2	to	-10.0
	125Hz	-16.2	-14.6	to	-17.6
	63Hz	-26.1	-24.7	to	-27.7
	31.5Hz	-38.7	-37.4	to	-41.4
Differential level	94dB-104dB	0.0		± 0.6	6
linearity	104dB-114dB	0.1		± 0.6	6

Remarks:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast.
- 4. The UUT 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 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 :	Lilliam	Date :	4-11-2020	_ Certified by : _	K.T. Toung	_ Date : _	4.11.2020
CA-R-297 (22/07/2009)			Leung	Kwok Tai (Assista	nt Manager)
			** E	nd of Report **			



Page 1 of 1

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

Report no.: 203258CA201566(2)

CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Client Supplied Information

Details of Unit Under Test, UUT

Description	:	Sound Calibrator
Manufacturer	:	Casella (Model CEL-120/1)
Serial No.	:	4358251
Equipment ID	:	N/A
Next Calibration Date	:	12-Aug-2021
Specification Limit	;	EN 60942: 2003 Class 1

Laboratory Information

Details of Calibration Equipment

Description :	Reference Sound level meter	
Equipment ID.	R-119-1	
Date of Calibration :	13-Aug-2020	
Calibration Location :	Calibration Laboratory of FTS	Ambient Temperature : 20±2 °C
Method Used	By direct comparison	

Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	0.0 dB	±0.4dB
114dB	-0.2 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 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 : Killiam	Date : <u>(8 - 8 - 2020</u> Certified by : <u>K</u>	To Tenny Date: 20 - 8 - 2000
CA-R-297 (22/07/2009)	Leung Kwo	k Tai (Assistant Manager)



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

Report no.: 203258CA202146(1)

CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

Page 1 of 1

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Client Supplied Information

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	:	14-	Oct-2021
Specification Limit	:	ΕN	60942: 2003 Class 1

Laboratory Information

Details of Calibration Equipment

Description :	Reference Sound level meter	
Equipment ID. :	R-119-1	
Date of Calibration :	15-Oct-2020	
Calibration Location :	Calibration Laboratory of FTS	Ambient Temperature : 20±2 °C
Method Used :	By direct comparison	Relative Humidity : <80% R.H.

Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)	
94dB	-0.2 dB	10.4dD	
114dB	-0.2 dB	±0.4dB	

Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The unit under test complies with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. 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 :	Lilliam	Date :	19-10-2020	_Certified by :_	K Th Toung	Date :_	19-10-2020
CA-R-297 (22/07/2009	9)			Leung	g Kwok Tai (Assista	ant Manag	er)



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

Report no.: 203258CA201871(1)

CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

Page 1 of 1

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Client Supplied Information

Details of Unit Under Test, UUT

Description		: Sound Calibrator
Manufacturer		: Casella (Model CEL-120/1)
Serial No.		: 5230736
Equipment ID		: N-18
Next Calibration Date	:	07-Sep-2021
Specification Limit	:	EN 60942: 2003 Class 1

Laboratory Information

Details of Calibration Equipment

Description :		Reference Sound level meter	
Equipment ID.	:	R-119-1	
Calibration Date		08-Sep-2020	
Calibration Location :		Calibration Laboratory of FTS	Am
Method Used	:	By direct comparison	Rela

Ambient Temperature	: 20±2 °C
Relative Humidity	:: <80% R.H.

Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	0.1 dB	±0.4dB
114dB	0.2 dB	20.100

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 unit under test complies with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. 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 :	Lilliam	Date :	_ Certified by :_	K J. Joung	Date : 12-9-2020
CA-R-297 (22/07/2009))		Leung	, Kwok Tai (Assista	ant Manager)



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

Page 1 of 1

Report no.: 183057CA200894(2)

CALIBRATION CERTIFICATE OF SOUND CALIBRATOR

Client Supplied Information

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT

Description	:	Sound Calibrator
Manufacturer	;	Casella (Model CEL-120/1)
Serial No.	÷	4358289
Equipment ID	:	N/A
Next Calibration Date	;	14-Jun-2021
Specification Limit	:	EN 60942: 2003 Type 1

Laboratory Information

Description	:	Reference Sound level	meter		
Equipment ID.	;	R-119-1			
Date of Calibrat	tion	: 15-Jun-2020	Ambient Temperature :	22	°C
Calibration Location : Calibration Laboratory of FTS					
Method Used	;	By direct comparison			

Calibration Results :

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)	
94dB	-0.3 dB	±0.4dB	
114dB	-0.3 dB	±0.40B	

Remarks :

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

Checked by : Killiam	_ Date : 20-6-2020 Certified by : PL Leung Date : 20-6-2020
CA-R-297 (22/07/2009)	Leung Kwok Tai (Assistant Manager)
	** [] -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 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
					AMS4A Wai Wah Centre		
					AMS5 Tin Liu		
					AMS7A Sheung Wo Che		
					AMS12 Fung Wo Estate		
				NMS 8, NMS9, NMS 10A, NMS 11, NMS	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,		
				12, NMS 13, NMS 14, NMS17, NMS 19,	NMS 6A, NMS 7, NMS 15, NMS 16, NMS		
				NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27		
	6	7	8	14WB 20, 14WB 24, 14WB 25A, 14WB 20	10,11015 25, 11015 27	11	1
	· · · · · ·	,		AMS4A Wai Wah Centre	10	**	
				AMS5 Tin Liu			
				AMS7A Sheung Wo Che			
				AMS12 Fung Wo Estate			
			NMS 8, NMS9, NMS 10A, NMS 11, NMS				
			12, NMS 13, NMS 14, NMS17, NMS 19,	NMS 1, NMS 2, NMS 5, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS			
	10		NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27			
	13	14	10	16	17	18	-
			AMS4A Wai Wah Centre				AMS4A Wai Wah Centre
			AMS5 Tin Liu				AMS5 Tin Liu
Dec-20			AMS7A Sheung Wo Che				AMS7A Sheung Wo Che
D00-20			AMS12 Fung Wo Estate				AMS12 Fung Wo Estate
		NMS 8, NMS9, NMS 10A, NMS 11, NMS					
		12, NMS 13, NMS 14, NMS17, NMS 19,	NMS 6A, NMS 7, NMS 15, NMS 16, NMS				
		NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27				
	20	21	22	23		. 25	2
					AMS4A Wai Wah Centre		
					AMS5 Tin Liu		
					AMS7A Sheung Wo Che		
					AMS12 Fung Wo Estate		
				NMS 8, NMS9, NMS 10A, NMS 11, NMS			
				12, NMS 13, NMS 14, NMS17, NMS 19,	NMS 6A, NMS 7, NMS 15, NMS 16, NMS		
				NMS 20, NMS 24, NMS 25A, NMS 26	18,NMS 23, NMS 27		
	27	28	29		31		
				AMS4A Wai Wah Centre			
				AMS5 Tin Liu			
				AMS7A Sheung Wo Che			
				AMS12 Fung Wo Estate			
				NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,	NMS 8 NMS9 NMS 104 NMS 11 NMS		
				NMS 6A, NMS 7, NMS 15, NMS 16, NMS			
				18,NMS 23, NMS 27	NMS 20, NMS 24, NMS 25A, NMS 26		
		nitoring may be subjected to change due to any		10,11110 23, 11110 27	INIVIS 20, INIVIS 24, INIVIS 25A, INIVIS 20		I

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

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

3. According to the Hong Kong Observatory, anticipated wind directions in Dec 2020 are north, and north east.

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

- (1) Tree preservation / felling/ pruning/ transplantation in Zone 1, 3, 4 & 5.
- (2) Mini Pile Works in Zone 1,2, 4 & 5.

(3) Noise Barrier Footing and Pile Cap Construction Worksin Zone 1, 2, 3 & 5.

(4) Trial Pits Excavation in Zone 3, 4 & 5.

(5) Construction / Diversion of Underground Utilities in Zone3, 4 & 5.

(6) Retaining Wall Construction Works and Demolition of Existing Parapet in Zone 3.

- (7) Bored Pile Construction Worksin Zone 3.
- (8) Lagging wall and Retaining wall in Zone 3.

(9) Relocation of Traffic Light in Zone 3.

(10) Soldier Pile Construction Works in Zone 3.

(11) Pre Bored H Pile Construction Works in Zone 3.

(12) Column Construction Works in Zone 3.

(13) NF66 Footbridge Column Construction Works in Zone 4.

(14) Demolition of Central Median, and Temporary Median Module Installation Works in Zone 3 & 4.

(15) Demolition of NF40 Footbridge Existing Staircases in Zone 4.

(16) Construction of temporary road in Zone 5.

(17) Soil Replacement Works on Slope in Zone 5.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1	2
	3	4	5	6	7	8	9
			AMS6 Shatin Plaza				
			AMS7A Sheung Wo Che				
			AMS8 Lek Yuen Estate AMS13 Fung Wo Estate				
			NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,	NME 9 NME0 NME 104 NME 11 NME			
			NMS 6A, NMS 7, NMS 15, NMS 16, NMS				
			18,NMS 23, NMS 27	NMS 20, NMS 24, NMS 25A, NMS 26			
	10	11			14	15	16
		AMS6 Shatin Plaza	12	15		15	AMS6 Shatin Plaza
		AMS7A Sheung Wo Che					AMS7A Sheung Wo Che
		AMS8 Lek Yuen Estate					AMS8 Lek Yuen Estate
Jan-21		AMS13 Fung Wo Estate					AMS13 Fung Wo Estate
			NMS 8, NMS9, NMS 10A, NMS 11, NMS				
		NMS 6A, NMS 7, NMS 15, NMS 16, NMS	12, NMS 13, NMS 14, NMS17, NMS 19,				
		18,NMS 23, NMS 27	NMS 20, NMS 24, NMS 25A, NMS 26				
	17	18	19	20	21	22	23
						AMS6 Shatin Plaza	
						AMS7A Sheung Wo Che	
						AMS8 Lek Yuen Estate	
						AMS13 Fung Wo Estate	
						NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,	
						NMS 6A, NMS 7, NMS 15, NMS 16, NMS	
	24	25	26	27		18,NMS 23, NMS 27 29	NMS 19, NMS 20, NMS 24, NMS 25A,
		23	20	21	28 AMS6 Shatin Plaza	29	
					AMS6 Shatin Plaza AMS7A Sheung Wo Che		
					AMS8 Lek Yuen Estate		
					AMS13 Fung Wo Estate		
					AMS13 Fung Wo Estate NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,	NMS 8, NMS9, NMS 10A, NMS 11, NMS	
					NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A,	NMS 8, NMS9, NMS 10A, NMS 11, NMS 12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark	1. Actual mor	itoring may be subjected to change due to any	safety concern or adverse weather condition.		NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS	12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark					NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark	 The Impact According 	Air Monitoring Stations to be monitored show to the Hong Kong Observatory, anticipated with	ald be selected based on the prevailing wind d nd directions in Jan 2020 are north, and north	rection and their proximity to the active constr east.	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark	 The Impact According According 	Air Monitoring Stations to be monitored shou to the Hong Kong Observatory, anticipated with to the Contractor, the anticipated major constru-	ald be selected based on the prevailing wind d nd directions in Jan 2020 are north, and north uction activities in the reporting month include	rection and their proximity to the active constr east.	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark	 The Impact According t According t According t Tree prese 	Air Monitoring Stations to be monitored shou to the Hong Kong Observatory, anticipated wit to the Contractor, the anticipated major constru- rvation / felling/ pruning/ transplantation in Zo	ald be selected based on the prevailing wind d nd directions in Jan 2020 are north, and north uction activities in the reporting month include	rection and their proximity to the active constr east.	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark	 The Impact According According Tree prese Mini Pile 	Air Monitoring Stations to be monitored shou to the Hong Kong Observatory, anticipated wi to the Contractor, the anticipated major constri- rvation / felling/ pruning/ transplantation in Ze Works in Zone 1,2, 4 & 5.	ld be selected based on the prevailing wind d nd directions in Jan 2020 are north, and north uction activities in the reporting month includ one 1, 3, 4 & 5.	rection and their proximity to the active constr east.	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark	 The Impact According t According t According t Tree preset Mini Pile t Noise Ban 	Air Monitoring Stations to be monitored shou to the Hong Kong Observatory, anticipated wit to the Contractor, the anticipated major constru- rvation / felling/ pruning/ transplantation in Zk Works in Zone 1,2, 4 & 5. rier Footing and Pile Cap Construction Worksi	ld be selected based on the prevailing wind d nd directions in Jan 2020 are north, and north uction activities in the reporting month includ one 1, 3, 4 & 5.	rection and their proximity to the active constr east.	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark	 The Impact According According Tree prese Mini Pile Noise Bari Trial Pits 	Air Monitoring Stations to be monitored shou to the Hong Kong Observatory, anticipated wit to the Contractor, the anticipated major constri- rvation / felling/ pruning/ transplantation in Zc Works in Zone 1.2, 4 & 5. ther Footing and Pile Cap Construction Worksi Excavation in Zone 3, 4 & 5.	Id be selected based on the prevailing wind d nd directions in Jan 2020 are north, and north uction activities in the reporting month includ- one 1, 3, 4 & 5. in Zone 1, 2, 3, 4 & 5.	rection and their proximity to the active constr east.	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark	2. The Impact 3. According 9 4. According 9 (1) Tree prese (2) Mini Pile (3) Noise Bar (4) Trial Pits (5) Constructi	Air Monitoring Stations to be monitored shou o the Hong Kong Observatory, anticipated wi to the Contractor, the anticipated major constru- rvation / Felling/ pruning/ transplantation in Zx Works in Zone 1,2, 4 & 5. Teir Footing and Pile Cap Construction Worksi Excavation in Zone 3, 4 & 5. on / Diversion of Underground Utilities in Zor	Id be selected based on the prevailing wind d nd directions in Jan 2020 are north, and north uction activities in the reporting month includ- one 1, 3, 4 & 5. in Zone 1, 2, 3, 4 & 5.	rection and their proximity to the active constr east.	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	12, NMS 13, NMS 14, NMS17, NMS 19,	
Remark	2. The Impact 3. According 9 4. According 1 (1) Tree prese (2) Mini Pile (3) Noise Ban (4) Trial Pits 1 (5) Constructi (6) Trial pits 6	Air Monitoring Stations to be monitored shou to the Hong Kong Observatory, anticipated wit to the Contractor, the anticipated major constri- rvation / felling/ pruning/ transplantation in Zc Works in Zone 1.2, 4 & 5. ther Footing and Pile Cap Construction Worksi Excavation in Zone 3, 4 & 5.	Id be selected based on the prevailing wind d nd directions in Jan 2020 are north, and north uction activities in the reporting month includ- one 1, 3, 4 & 5. in Zone 1, 2, 3, 4 & 5. ne1, 2, 3, 4 & 5.	rection and their proximity to the active constr east.	NMS 1, NMS 2, NMS 3, NMS 4, NMS 5A, NMS 6A, NMS 7, NMS 15, NMS 16, NMS 18,NMS 23, NMS 27	12, NMS 13, NMS 14, NMS17, NMS 19,	

- (9) Bored Pile Construction Worksin Zone 3.
- (10) Lagging wall and Retaining wall in Zone 3.
- (11) Relocation of Traffic Light in Zone 3.(12) Soldier Pile Construction Works in Zone 3.
- (13) Pre Bored H Pile Construction Works in Zone 3.
- (14) Column Construction Works in Zone 3 & 4.
 (15) Demolition of Central Median, and Temporary Median Module Installation Works in Zone 3 & 4.
- (16) Pre Drilling Works and Sheet Piling Works in Zone 3.
- (17) NF40 Footbridge Pile Cap and Column Construction Works in Zone 4.
 (18) NF66 Footbridge Column Construction Works in Zone 4.
- (19) Soil Replacement Works on Slope in Zone 5.

Room 723 & 725, 7/F, Block B,
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Project: Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

Tentative Regular Night Time Noise Monitoring Schedule (January 2021)

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

Remarks

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

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

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



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

Tentative Regular Night Time Noise Monitoring Schedule (December 2020)

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

聖公會主風小學 2020-2021 年度上學期校曆表

週次	月份			屋	Ţ	期			行事要項	假 期 日
		日			<u> </u>	匹	Ŧ.	六		數
(1)	2020			1 *	2	3	4	5	1/9 上學期開學日	
(2)	九	6	7	8	9	10	11	12		
(3)	月	13	14	15	16	17	18	19		
(4)		20	21	22	23	24	25	26		
(5)		27	28	29	30					
$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$						1	2	3	1/10 國慶日 2/10 中秋節翌日	2
(6)	+	4	5	6	7	8	9	10		
(7)	· 月	11	12	13	14	15	16	17		
8	/ 3	18	19	20	21	22	23	24		
(9)		25	26	27	<u>28</u>	<u></u> <u>29</u>	<u>30</u>	31	26/10 重陽節翌日 27/10-30/10 進展性評估	1
(10)		1	2	3	4	5	6	7		-
(11)	+	8	9	10	11	12	13	, 14*	14/11 上學期家長日、J.6 家長會	
(12)		15	16	17	18	12	20	21		
13	月	22	23	24	25	26	20	21		
(14)	Л	22	²³ 30	24	23	20	<i>L</i>	20		
U4		29	30	1*	2	3	4	5		1
\bigcirc				-	2		-	-	1/12 第十四屆陸運會 2/12 陸運會翌日假期9/12 教師專業發展日	
(15)	+	6	7	8	9*	<u>10</u>	<u>11</u>	12	10/12-15/12 上學期學期試 (J.6 呈分試)	
16)	1	13	<u>14</u>	<u>15</u>	16	17	18	19		
(17)	月	20	21	22	23	24	25	26	22/12/2020-2/1/2021 聖誕及新年假期	5
18)		27	28	29	30	31				5
	2021						1	2		2
(19)		3	4	5	6	7	8	9		
(20)	月	10	11	12	13	14	15	16*	16/1 四十五周年校慶開放日暨文娛匯演	
20 21		17	18	19	20	21	22	23	18/1 校慶開放日後假期	1
22		24	25	26	27	28	29	30		
\smile		31								1
	1		1*	2	3*	4 *	5*	6	1/2 下學期開始 3/2-5/2 教育營(J.6) 5/2 旅行日(J.1-J.5)	
	月	7	8	9	10	11	12	13	8/2-17/2 農曆新年假期	6
	, J	14	15	16	17	18	19	20		4
										1 -

本年度關注事項

1 完善校本課程規劃,促進學與教效能。 2 透過多元化策略,培養學生自律精神。 3 深化生命教育,培育學生正向人生觀。

2020-2021 年度校曆表

	周次	日	-	11	Щ	四	五	六	假 期 / 事 項
ゆー	1			1	2	3	4	5	上學期開始(1/9)
二零二零年九	1:	6	7	8	9	10	11	12	
零年	щ	13	14	15	16	17	18	19	
	四	20	21	22	23	24	25	26	
月	五	27	28	29	30				
						\times	X	3	國慶日(1/10) 中秋節翌日(2/10)
+	六	4	5	6	7	8	9	10	
	セ	11	12	13	14	15	16	17	零功課日(13/10)
月	へ	18	19	20	21	22	23	24	
	九	25	26	27	28	29	30	31	重陽節補假(26/10)
	+	1	2	3	4	5	6	7	
+	+-	8	9	10	11	12	13	14	
-	+=	15	16	17	(18)	(19)	20	21	一至六年級考試(18-20,23,24/11)
月	+三	22	23	24	25	26	27	28	
	十四	29	30						
				1	2	3	4	5	
+	十五	6	7	8	9	10	11	12	
-	十六	13	14	15	16	17	18	19	全方位學習日(18/12)
月	++	20	21)	22	23	24	25	26	聖誕崇拜(21/12) 聖誕及新年假期(22/12-3/1)
	十八	27	28	29	30	X			
11							\times	X	
零二	十九	X	Å	5	6	7	8	9	教師專業發展日(4/1) P.6家長日(9/1)
零二一年一	<u></u> +	10	11	12	13	14	15	16	P.1-5 家長日(16/1)
	<u> </u>	17	18	19	20	21	22	23	零功課日(20/1)
月	<u> </u>	24	25	26	27	28	29	30	學校籌款日(24/1) 學校假期(25/1)
	學校假	期		教師專	業發展	夷日,	學生不	用上言	课 〇半天上課

星期六不用上課

	周								
	次	日	-	-1	11	四	五	六	假期/事項
	ニナミ	31	1	2	3	4	5	6	跨學科活動日(4/2) 陸運會(5/2)
-	二十四	7	X	X	X	X	X	X	農曆新年假期(8/2-17/2)
	二十五	M	X	K	X	18	19	20	下學期開始(18/2)
月	二十六	21	22	23	24	25	26	27	
	ニキセ	28							
			1	2	3	4	5	6	六年級報分試(3-5,8,9/3)
Ξ	二十八	7	8	9	10	11	12	13	一至五年級主科考試(8-9/3)
	二十九	14	15	16	17	18	19	20	
月	三十	21	22	23	24	25	\mathbf{X}	27	學校旅行(25/3)學校假期(26/3)
	三十一	28	29	30	X				福音周及復活節崇拜(29-30/3)
						\times	X	X	復活節及清明節假期(31/3-6//4)
四	三十二	$\left \right\rangle$	X	X	7	8	9	10	六年級教育營(7/4-9/4) 一至五年級專題研習問(7-12/4)
	三十三	11	(12)	13	14	15	16	17	家長日(17/4)
月	三十四	18	19	20	21	22	23	24	
	三十五	25	26	27	28	29	30		綵排日(29/4) 綜藝晚會(30/4)
								\times	勞動節(1/5)
五	三十六	2	3	4	5	6	7	8	零功課日(7/5)
	三十七	9	10	11	12	13	14	15	
月	三十八	16	17	18	19	20	21	22	佛誕(19/5)
	三十九	23	24	25	26	27	28	29	教師專業發展日(28/5)
	四十	30	31						
				1	2	3	<u>(4)</u>	5	一至六年級考試(2-4,7,8/6)
六	四十一	6	7	8	9	10	(11)	12	全港性系統評估(10-11/6)
	四十二	13	\mathbb{M}	(15)	(16)	17	18	19	端午節(14/6)
月	四十三	20	21	22	23	24	25	26	
	四十四	27	28	29	30				畢業禮(30/6)
						\times	>	3	香港特區成立紀念日(1/7) 學校假期(2/7)
セ	四十五	4	5	6	(7)	8	9	10	
	四十六	11	12	X	\bowtie	X	X	\mathbb{X}	教師專業發展(12/7) 暑假(13/7-31/8)
月	四十七	18	X	20	X	X	23	24	
	四十八	25	26	\mathbb{X}	28	29	30	X	
	四十九	X	$\left \right\rangle$	$\left \right\rangle$	$\left \right\rangle$	\nearrow	X	\nearrow	
へ	五十	8	X	XQ	X	X	X	\bowtie	
	五十一	K	X	X	78	X	20	X	
月	五十二	22	23	24	25	26	X	28	
	五十三	29	30	X					

培英中學2020至2021年度校曆表

		H	1	=	Ξ	四	五	六	假期及注意事項
週		(16)	(17)	(18)	(19)	(20)	(21)	(22)	
次	へ	(10)	(17)	(10)	(19)	(20)	(21)	(22)	
	月	(23)	(24)	(25)	(26)	(27)	(28)	(29)	
		(-)	· ,		(-/	× · /	(-)		
		(20)	(21)	Sept					(1/9)開學禮
1	九	. ,	(31)	1	2	3	4		(2/9)正式上課
2		6 13	7	8 15	9 16	10 17	11		(9/9)各班拍攝學生相片 (14/0)中 五中一舉小問以做立用社
3	月	20	21	22	23	24	18 25		(14/9)中一至中四學生開始繳交周記(21-25/9)國慶活動暨中國周
-		20	21	22	23	Oct	23	20	(21-23/9)國慶洛動暨平國局 (28-30/9)體育推廣
5	+	27	28	29	30	(1)	(2)	3	(1/10)國慶日假期 (2/10)中秋節翌日假期
			_						
6		4	5	6	7	8	9	10	
-		11	10	12	1.4	1.5	10	17	(12-16/10)科學周
7		11	12	13	14	15	16	17	(16/10)學生領袖就職典禮
8		18	19	20	21	22	23	24	
9	月	25	(26)	27	28 ^T	29 ^т	30 ^T	31	(26/10)重陽節翌日假期 (27/10)教師專業發展日(1)
		Nov)					(28/10-3/11)中一至中六級統一測驗
10	+	1	2 ^т	3 ^T	4	5	6	7	
11	·	8	9	10	11	12	13	14	(9-13/11)數學周
12	-	15^{\triangle}	16	17	10	19	200	21	(15/11)南區中學巡禮 (20/11)全方位學習日
12		15-	16	17	18	19	$20^{ riangle}$	21	(21/11下午)家長教師會第二十三屆會員大會
13	月	22	23	24	25	26	27	28	
									(25-26/11)中一、二級護苗課程 (27/11)師生聯誼日
				Dec					(30/11-1/12)中一、二級護苗跟進課程
14	+	29	30	1	2	3△	(4)		(3/12)第六十二屆陸運會 (4/12)陸運會翌日假期
15		6	7	8	9	10	11	12	(7-11/12)科技周
	-								(8/12)拍攝畢業照及班相 (12/12)中西南區小學數學比賽(17-21/12)中六級校外模擬考試
16		13	14	15	16	17	18		(17-21/12)年六級役外候擬考試 (14-18/12)福音周 (18/12)佈道會
10	月	15	14	15	10	17	10	17	(14-10/12)福自问 (10/12)/冲通音 (18/12)/冲通音 (18/12)/社会 (18/12)/(H2)/(H2)/(H2)/(H2)/(H2)/(H2)/(H2)/(H
17	~	20	21	22	(23)	(24)	(25)	(26)	(22/12)聖誕崇拜及慶祝會 (23/12-2/1)聖誕及新年假期共11天
							Jan		
18	-	(27)	(28)	(29)	(30)	(31)	(1)	(2)	(23,24,28,29,30/12)中六級補課
19		3	4	5	6 ^E	7 ^E	8 ^E	9	(6-15/1)中一至中五級上學期期考共8天 (6-19/1)中六級畢業試
20		10	11 ^E	12 ^E	13 ^e	14 ^E	15 ^E	16	
21		17	18 ^E	19 ^e	20	21	22	23	(18-20/1)中一至中五級試後回饋日 (20/1下午)中五級學習概覽講座
									(20/1-5/3)中六級試後上課日
22	月	24	25	26	27	28	29	30	
\vdash			FEB						(22-29/1)中一至中五級上學期溫習及補考 (1/2)工舉曲問以
23		31	гев 1	2	3	4	5		(1/2)下學期開始(1-5/2)英語周(3/2)中六級進行APASO問卷
24	-	7	1 (8)	2 (9)			(12)	(13)	(1-3/2) 共 結 同 (3/2) 十 六 級 進 行 APASO 同 卷 (8/2-20/2) 農 曆 新 年 假 期 共 13 天
25		(14)					(19)	(20)	
		. /							(26/2)教師專業發展日(2)
26	月	21	22	23	24	25	(26)	27	(22/2)中一至中四級學生開始繳交周記
)		(24/2)中六級進行學生持份者問卷及教學評鑑
<u>ш</u>			1	1	I	ı	1	1	

()-假期 E-考試 △特別活動 教師發展日,學生不用上課

培英中學2020至2021年度校曆表

		日	-	1	Ξ	四	五	六	假期及注意事項
27			Mar						(5/3)中六級習禮及感恩惜別會 (6/3)家長日暨中三升中四選科講座
27	Ξ	28	1	2	3	4	5	6	(8/3)中六級開始溫習應付公開試
28		7	8	9	10	11	12	13	(8-12/3)中華文化周 (12/3)頒獎禮
29		14	15	16	17	18	19	20	(19-21/3)趁墟做老闆
30		21	22 ^T	23 ^T	24 ^T	25 ^T	26 ^T	27	(22-26/3)中一至中五級統一測驗
50		21	22	23	24	25	20	27	(23/3-18/5)香港中學文憑考試
	月					Apr			(31/3)復活節崇拜會
31		28	29	30	31	(1)	(2)	(3)	(1-10/4)清明節及復活節假期共10天
32	四	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
33		11	12	13	14	15	16	17	(12/4)教師專業發展日(3)(13-16/4)藝術周
34		18	19	20	21	22	23△	24	(23/4)校祖日感恩崇拜暨慶祝活動
									(24/4)區會模範生頒獎禮
35	月								(27/4或28/4)中三全港性系統評估口試 (30/4)TSA口試後備日
$\left - \right $		25	26	27	28	29 △	(30)	(1)	(29/4)全方位學習日 (30/4)全方位學習日翌日假期 (1/5)勞動節假期
36	五	2	3	4	5	6	7	8	(3-7/5)個人社會及人文領域周
37		9	10	11	12	13	14	15	
38	月	16	17	18△	(19)	20	21	22	 (18/5)水運同樂日 (19/5)佛誕假期 (21/5下午)畢業典禮 (21/5晚上)歡送畢業生暨校友會迎新晚會
39	~	23	24	25	26	27	28	29	(28/5)畢業禮後備日
				Jun					
40	六	30	31	1	2	3	4 ^E	5	(4-15/6)中三級下學期考試共7天
41		6	7 ^E	8 ^E	Q E	10 ^E	11 ^E	12	(4-18/6)中五級下學期考試共10天
		0	,	Ŭ	-	10	•••	12	(7-17/6)中一、二、四級下學期考試共8天
42		13	(14)	15 ^e	16 ^E	17 ^e	18 ^e	19	(14/6)端午節假期 (16-17/6)中三級全港性系統評估(中英數) (18-22/6)中一至中四級試後回饋日
									(21/6)中三級全港性系統評估(後備日)
43		20	21	22	23	24	25	26	(21/6-2/7)中五級試後上課周(21/6下午)中五級學習概覽寫作工作坊(23-25/6)中一至中五級溫習及補考
	月					Jul			(1/7)香港特別行政區成立紀念日假期
44		27	28	29	30	(1)	2	3	(28/6-9/7)暑期英語營
45	н	4	5	6	7	8	9	10	(7/7)中六級中學文憑考試放榜輔導講座
	Ţ			<u> </u>		<u> </u>		<u> </u>	(14/7)香港中學文憑考試放榜
46		11	12	13	14	15	(16)	(17)	(15/7)結業禮(15/7)接見家長及學生(16/7-31/8)暑假共47天
47	月	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
48		(25)	(26)	(27)	(28)	(29)	(30)	(31)	
		Aug							
49	へ	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(0)(2) は と m n た n - 事 然 し m
50		(8)	(9)	(10)	(11)	(12)	(13)	(14)	(9/8)學生註冊及領取書籍校服 (9-20/8)升中導向課程(9-20/8)中六級香港中學文憑考試備試課程
51	月	(15)	(16)	(17)	(18)	(19)	(20)	(21)	
52		(22)	(23)	(24)	(25)	(26)	(27)	(28)	
	九				Sept				(1/9)下學年開學禮
53	月	(29)	(30)	(31)	1	2	3	4	(2/9)正式上課

()-假期 ^E-考試 △特別活動 教師發展日,學生不用上課

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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)

AMS 4A - Wai Wah Centre

				1-hour TSP (µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
3-Dec-21	17:32	89	84	69	81			Sunny
9-Dec-21	14:42	88	76	87	84			Fine
15-Dec-21	14:31	88	80	85	84	348	500	Fine
19-Dec-21	19:34	89	73	76	79	540	500	Sunny
24-Dec-21	17:30	91	87	68	82			Sunny
30-Dec-21	17:35	95	87	74	85			Sunny
	Average		83					
	Max		95					
	Min		68					

AMS 5 - Tin Liu

				1-hour TSP (μg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
3-Dec-21	16:31	88	85	67	80			Sunny
9-Dec-21	16:40	83	81	66	77			Fine
15-Dec-21	16:50	99	89	71	86	340	500	Fine
19-Dec-21	16:45	96	89	66	84	540	500	Sunny
24-Dec-21	17:47	93	71	89	84			Sunny
30-Dec-21	19:02	90	72	84	82			Sunny
	Average		82					
	Max		99					
	Min		66					

AMS7A - Sheung Wo Che

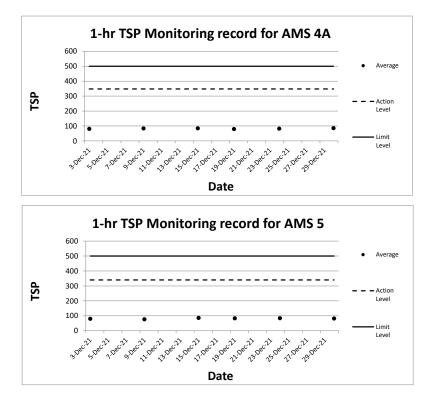
				1-hour TSP (µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
3-Dec-21	19:48	91	82	80	84			Sunny
9-Dec-21	18:51	92	92	91	92			Fine
15-Dec-21	18:50	97	95	95	96	344	500	Fine
19-Dec-21	16:55	97	70	72	80	344	500	Sunny
24-Dec-21	20:03	99	88	85	91			Sunny
30-Dec-21	16:03	98	83	88	90			Sunny
	Average		89					
	Max		99					
	Min		70					

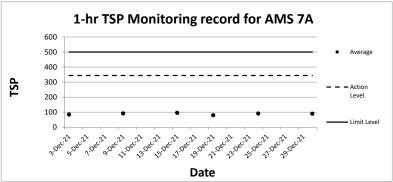
AMS 12 - Fung Wo Estate

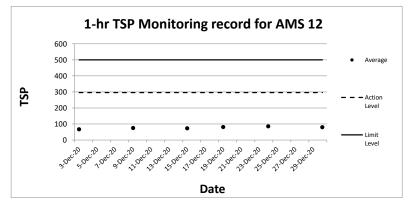
				1-hour TSP (µg/m³)			
Date	Start Time	1st hr	2nd hr	3rd hr	Average	Action Level	Limit Level	Weather
3-Dec-20	09:06	69	64	68	67			Sunny
9-Dec-20	09:13	78	70	76	75			Fine
15-Dec-20	09:00	77	68	75	73	296	500	Fine
19-Dec-20	09:21	89	74	80	81	290	500	Sunny
24-Dec-20	09:30	93	79	85	86			Sunny
30-Dec-20	15:16	88	76	75	80			Sunny
	Average		77					
	Max		93					
	Min		64					

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 Cer	ntro				
Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)
3/12/2020 08:32	72	9/12/2020 08:42	78	15/12/2020 08:31	79
3/12/2020 09:32	76	9/12/2020 09:42	80	15/12/2020 09:31	82
3/12/2020 10:32	82	9/12/2020 10:42	77	15/12/2020 10:31	74
3/12/2020 11:32	66	9/12/2020 11:42	74	15/12/2020 11:31	76
3/12/2020 12:32	73	9/12/2020 12:42	79	15/12/2020 12:31	78
3/12/2020 13:32	79	9/12/2020 13:42	82	15/12/2020 13:31	84
3/12/2020 14:32	84	9/12/2020 14:42	88	15/12/2020 14:31	
3/12/2020 15:32	75	9/12/2020 15:42	76	15/12/2020 15:31	80
3/12/2020 16:32	80	9/12/2020 16:42	87	15/12/2020 16:31	
3/12/2020 17:32	89	9/12/2020 17:42	67	15/12/2020 17:31	
3/12/2020 18:32	84	9/12/2020 18:42	76	15/12/2020 18:31	
3/12/2020 19:32	69	9/12/2020 19:42	83	15/12/2020 19:31	
3/12/2020 20:32	72	9/12/2020 20:42	75	15/12/2020 20:31	
3/12/2020 21:32	76	9/12/2020 21:42	80	15/12/2020 21:31	
3/12/2020 22:32	81	9/12/2020 22:42	82	15/12/2020 22:31	
3/12/2020 23:32	68	9/12/2020 23:42	70	15/12/2020 23:31	
4/12/2020 00:32	69	10/12/2020 00:42	80	16/12/2020 00:31	
4/12/2020 01:32	78	10/12/2020 01:42	85	16/12/2020 01:31	
4/12/2020 02:32	83	10/12/2020 02:42	70	16/12/2020 02:31	
4/12/2020 03:32	82	10/12/2020 03:42	85	16/12/2020 03:31	
4/12/2020 04:32	81	10/12/2020 04:42	84	16/12/2020 04:31	
4/12/2020 05:32	78	10/12/2020 05:42	71	16/12/2020 05:31	
4/12/2020 06:32	86	10/12/2020 06:42	84	16/12/2020 06:31	
4/12/2020 07:32	78	10/12/2020 07:42	71	16/12/2020 07:31	-
Average	78	Average	79	Average	
Action Level	200	Action Level	200	Action Level	
Limit Level		Limit Level	260	Limit Level	
Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)
19/12/2020 08:34	83	24/12/2020 08:30	69	30/12/2020 08:35	70
19/12/2020 08:34 19/12/2020 09:34	83 87	24/12/2020 08:30 24/12/2020 09:30	69 79	30/12/2020 08:35 30/12/2020 09:35	70 78
19/12/2020 08:34 19/12/2020 09:34 19/12/2020 10:34	83 87 72	24/12/2020 08:30 24/12/2020 09:30 24/12/2020 10:30	69 79 85	30/12/2020 08:35 30/12/2020 09:35 30/12/2020 10:35	70 78 85
19/12/2020 08:34 19/12/2020 09:34 19/12/2020 10:34 19/12/2020 11:34	83 87 72 80	24/12/2020 08:30 24/12/2020 09:30 24/12/2020 10:30 24/12/2020 11:30	69 79 85 65	30/12/2020 08:35 30/12/2020 09:35 30/12/2020 10:35 30/12/2020 11:35	70 78 85 63
19/12/2020 08:34 19/12/2020 09:34 19/12/2020 10:34 19/12/2020 11:34 19/12/2020 12:34	83 87 72 80 77	24/12/2020 08:30 24/12/2020 09:30 24/12/2020 10:30 24/12/2020 11:30 24/12/2020 12:30	69 79 85 65 72	30/12/2020 08:35 30/12/2020 09:35 30/12/2020 10:35 30/12/2020 11:35 30/12/2020 12:35	70 78 85 63 75
19/12/2020 08:34 19/12/2020 09:34 19/12/2020 10:34 19/12/2020 11:34 19/12/2020 12:34 19/12/2020 13:34	83 87 72 80 77 85	24/12/2020 08:30 24/12/2020 09:30 24/12/2020 10:30 24/12/2020 11:30 24/12/2020 12:30 24/12/2020 13:30	69 79 85 65 72 77	30/12/2020 08:35 30/12/2020 09:35 30/12/2020 10:35 30/12/2020 11:35 30/12/2020 12:35 30/12/2020 12:35	70 78 85 63 75 78
19/12/2020 08:34 19/12/2020 09:34 19/12/2020 10:34 19/12/2020 11:34 19/12/2020 12:34 19/12/2020 13:34 19/12/2020 13:34	83 87 72 80 77 85 85 82	24/12/2020 08:30 24/12/2020 09:30 24/12/2020 10:30 24/12/2020 11:30 24/12/2020 12:30 24/12/2020 13:30 24/12/2020 14:30	69 79 85 65 72 77 85	30/12/2020 08:35 30/12/2020 09:35 30/12/2020 10:35 30/12/2020 11:35 30/12/2020 11:35 30/12/2020 13:35 30/12/2020 13:35 30/12/2020 14:35	70 78 85 63 75 78 82
19/12/2020 08:34 19/12/2020 09:34 19/12/2020 10:34 19/12/2020 11:34 19/12/2020 12:34 19/12/2020 13:34 19/12/2020 13:34	83 87 72 80 77 85 85 82 83	24/12/2020 08:30 24/12/2020 09:30 24/12/2020 10:30 24/12/2020 11:30 24/12/2020 12:30 24/12/2020 12:30 24/12/2020 14:30 24/12/2020 15:30	69 79 85 65 72 77 85 80	30/12/2020 08:35 30/12/2020 09:35 30/12/2020 10:35 30/12/2020 11:35 30/12/2020 12:35 30/12/2020 13:35 30/12/2020 14:35 30/12/2020 14:35	70 78 85 63 75 78 82 80
19/12/2020 08:34 19/12/2020 09:34 19/12/2020 10:34 19/12/2020 11:34 19/12/2020 12:34 19/12/2020 13:34 19/12/2020 13:34 19/12/2020 15:34	83 87 72 80 77 85 82 83 83	24/12/2020 08:30 24/12/2020 09:30 24/12/2020 10:30 24/12/2020 11:30 24/12/2020 12:30 24/12/2020 12:30 24/12/2020 14:30 24/12/2020 15:30	69 79 85 65 72 77 85 80 80 82	30/12/2020 08:35 30/12/2020 09:35 30/12/2020 11:35 30/12/2020 11:35 30/12/2020 11:35 30/12/2020 12:35 30/12/2020 13:35 30/12/2020 15:35 30/12/2020 15:35	70 78 85 63 75 78 82 80 80 80
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19/12/2020 08:34 19/12/2020 09:34 19/12/2020 10:34 19/12/2020 11:34 19/12/2020 13:34 19/12/2020 13:34 19/12/2020 15:34 19/12/2020 15:34 19/12/2020 15:34 19/12/2020 19:34 19/12/2020 09:34 19/12/2020 22:34 20/12/2020 00:34 20/12/2020 00:34 20/12/2020 03:34 20/12/2020 05:34 20/12/2020 0	83 87 72 80 77 85 82 83 83 83 69 81 89 73 76 86 75 86 75 87 88 72 87 85 72 87 85 72 80 79 81 200	24/12/2020 08:30 24/12/2020 09:30 24/12/2020 10:30 24/12/2020 11:30 24/12/2020 12:30 24/12/2020 13:30 24/12/2020 14:30 24/12/2020 16:30 24/12/2020 16:30 24/12/2020 18:30 24/12/2020 19:30 24/12/2020 19:30 24/12/2020 21:30 24/12/2020 21:30 24/12/2020 22:30 25/12/2020 01:30 25/12/2020 03:30 25/12/2020 03:30 25/12/2020 03:30 25/12/2020 05:30 25/12/2020 05:30 25/12/2020 07:30 Average Action Level Limit Level	69 79 85 65 72 77 85 80 82 91 87 68 71 78 84 67 68 84 67 68 82 79 79 79 79 79 78 79 79 78 79 79 78 200 260	30/12/2020 08:35 30/12/2020 09:35 30/12/2020 10:35 30/12/2020 11:35 30/12/2020 11:35 30/12/2020 14:35 30/12/2020 14:35 30/12/2020 14:35 30/12/2020 14:35 30/12/2020 15:35 30/12/2020 19:35 30/12/2020 19:35 30/12/2020 20:35 30/12/2020 20:35 30/12/2020 20:35 31/12/2020 00:35 31/12/2020 0	70 78 85 63 75 78 82 80 80 80 95 87 74 74 74 74 74 77 87 70 65 85 85 85 85 77 82 75 88 85 77 82 75 88 79 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

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

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

AMS5 - Tin Liu					
Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m³)	Date and Time	TSP Concentration (µg/m ³)
3/12/2020 08:31	73	9/12/2020 08:40	74	15/12/2020 08:50	76
3/12/2020 09:31	61	9/12/2020 09:40	75	15/12/2020 09:50	66
3/12/2020 10:31	67	9/12/2020 10:40	76	15/12/2020 10:50	67
3/12/2020 11:31	65	9/12/2020 11:40	79	15/12/2020 11:50	71
3/12/2020 12:31	76	9/12/2020 12:40	78	15/12/2020 12:50	79
3/12/2020 13:31	66	9/12/2020 13:40	77	15/12/2020 13:50	68
3/12/2020 14:31	73	9/12/2020 14:40	74	15/12/2020 14:50	78
3/12/2020 15:31	62	9/12/2020 15:40	62	15/12/2020 15:50	61
3/12/2020 16:31	88	9/12/2020 16:40	83	15/12/2020 16:50	99
3/12/2020 17:31	85	9/12/2020 17:40	81	15/12/2020 17:50	89
3/12/2020 18:31	67	9/12/2020 18:40	66	15/12/2020 18:50	71
3/12/2020 19:31	78	9/12/2020 19:40	82	15/12/2020 19:50	82
3/12/2020 20:31	61	9/12/2020 20:40	65	15/12/2020 20:50	70
3/12/2020 21:31	73	9/12/2020 21:40	76	15/12/2020 21:50	76
3/12/2020 22:31	53	9/12/2020 22:40	54	15/12/2020 22:50	85
3/12/2020 23:31	58	9/12/2020 23:40	57	15/12/2020 23:50	72
4/12/2020 00:31	74	10/12/2020 00:40	78	16/12/2020 00:50	78
4/12/2020 01:31	52	10/12/2020 01:40	57	16/12/2020 01:50	60
4/12/2020 02:31	62	10/12/2020 02:40	62	16/12/2020 02:50	66
4/12/2020 03:31	78	10/12/2020 03:40	82	16/12/2020 03:50	
4/12/2020 04:31	60	10/12/2020 04:40	74	16/12/2020 04:50	64
4/12/2020 05:31	50	10/12/2020 05:40	71	16/12/2020 05:50	71
4/12/2020 06:31	57	10/12/2020 06:40	61	16/12/2020 06:50	72
4/12/2020 07:31	64	10/12/2020 07:40	68	16/12/2020 07:50	69
Average	67	Average	71	Average	74
Action Level	156	Action Level	156	Action Level	156
Limit Level	260	Limit Level	260	Limit Level	260
				_	
Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (μg/m ³)	Date and Time	TSP Concentration (μg/m ³)
19/12/2020 08:45	73	24/12/2020 08:47	77	30/12/2020 08:02	77
19/12/2020 08:45 19/12/2020 09:45	73 65	24/12/2020 08:47 24/12/2020 09:47	77 68	30/12/2020 08:02 30/12/2020 09:02	77 70
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45	73 65 76	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47	77 68 66	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02	77 70 68
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45	73 65 76 70	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47	77 68 66 75	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02	77 70 68 79
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45 19/12/2020 12:45	73 65 76 70 80	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 12:47	77 68 66 75 83	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02 30/12/2020 12:02	77 70 68 79 84
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45 19/12/2020 12:45 19/12/2020 13:45	73 65 76 70 80 66	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 12:47 24/12/2020 13:47	77 68 66 75 83 68	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02 30/12/2020 12:02 30/12/2020 13:02	77 70 68 79 84 76
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45 19/12/2020 12:45 19/12/2020 13:45 19/12/2020 14:45	73 65 76 70 80 66 80	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 12:47 24/12/2020 13:47 24/12/2020 14:47	77 68 66 75 83 68 83 83	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02 30/12/2020 12:02 30/12/2020 13:02 30/12/2020 14:02	77 70 68 79 84 76 83
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45 19/12/2020 12:45 19/12/2020 13:45 19/12/2020 14:45 19/12/2020 15:45	73 65 76 70 80 66 80 77	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 12:47 24/12/2020 14:47 24/12/2020 14:47 24/12/2020 14:47	77 68 66 75 83 68 83 68	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02 30/12/2020 11:02 30/12/2020 13:02 30/12/2020 14:02 30/12/2020 14:02 30/12/2020 14:02	77 70 68 79 84 76 83 73
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45 19/12/2020 12:45 19/12/2020 13:45 19/12/2020 15:45 19/12/2020 16:45	73 65 76 70 80 66 80 77 96	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 12:47 24/12/2020 13:47 24/12/2020 13:47 24/12/2020 15:47 24/12/2020 16:47	77 68 66 75 83 68 83 68 83 68 91	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02 30/12/2020 12:02 30/12/2020 13:02 30/12/2020 14:02 30/12/2020 15:02 30/12/2020 15:02	77 70 68 79 84 76 83 73 73 73
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45 19/12/2020 12:45 19/12/2020 13:45 19/12/2020 13:45 19/12/2020 15:45 19/12/2020 16:45 19/12/2020 17:45	73 65 76 70 80 66 80 77 96 89	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 12:47 24/12/2020 13:47 24/12/2020 13:47 24/12/2020 15:47 24/12/2020 15:47 24/12/2020 17:47	77 68 66 75 83 68 83 68 91 91 93	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02 30/12/2020 12:02 30/12/2020 13:02 30/12/2020 14:02 30/12/2020 15:02 30/12/2020 16:02 30/12/2020 17:02	77 70 68 79 84 76 83 73 73 73 85
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45 19/12/2020 11:45 19/12/2020 13:45 19/12/2020 13:45 19/12/2020 15:45 19/12/2020 17:45 19/12/2020 18:45	73 65 76 70 80 66 80 77 96 89 66	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 11:47 24/12/2020 13:47 24/12/2020 13:47 24/12/2020 15:47 24/12/2020 15:47 24/12/2020 17:47 24/12/2020 18:47	77 68 66 75 83 68 83 68 91 93 71	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02 30/12/2020 11:02 30/12/2020 13:02 30/12/2020 14:02 30/12/2020 14:02 30/12/2020 17:02 30/12/2020 17:02 30/12/2020 17:02	77 70 68 79 84 76 83 73 73 73 85 72
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19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45 19/12/2020 13:45 19/12/2020 13:45 19/12/2020 15:45 19/12/2020 16:45 19/12/2020 18:45 19/12/2020 18:45 19/12/2020 19:45	73 65 76 70 80 66 80 77 96 89 66 89 66 88 88 88	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 12:47 24/12/2020 13:47 24/12/2020 13:47 24/12/2020 15:47 24/12/2020 16:47 24/12/2020 16:47 24/12/2020 18:47 24/12/2020 19:47 24/12/2020 19:47	77 68 66 75 83 68 83 68 91 93 71 89 71	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 11:02 30/12/2020 11:02 30/12/2020 11:02 30/12/2020 13:02 30/12/2020 14:02 30/12/2020 15:02 30/12/2020 15:02 30/12/2020 15:02 30/12/2020 18:02 30/12/2020 19:02 30/12/2020 19:02 30/12/2020 19:02	77 70 68 79 84 76 83 73 73 73 85 72 90 72
19/12/2020 08:45 19/12/2020 09:45 19/12/2020 11:45 19/12/2020 11:45 19/12/2020 13:45 19/12/2020 13:45 19/12/2020 15:45 19/12/2020 15:45 19/12/2020 13:45 19/12/2020 19:45 19/12/2020 20:45 19/12/2020 21:45	73 65 76 70 80 66 80 77 96 89 66 89 66 88 88 88 88 88 78	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 13:47 24/12/2020 13:47 24/12/2020 15:47 24/12/2020 15:47 24/12/2020 15:47 24/12/2020 13:47 24/12/2020 19:47 24/12/2020 19:47 24/12/2020 19:47 24/12/2020 21:47	77 68 66 75 83 68 83 68 91 93 71 89 71 89 71 82	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02 30/12/2020 11:02 30/12/2020 13:02 30/12/2020 14:02 30/12/2020 15:02 30/12/2020 15:02 30/12/2020 15:02 30/12/2020 15:02 30/12/2020 19:02 30/12/2020 20:02 30/12/2020 20:02 30/12/2020 21:02	77 70 68 79 84 76 83 73 73 85 72 90 72 84
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19/12/2020 08:45 19/12/2020 09:45 19/12/2020 10:45 19/12/2020 11:45 19/12/2020 13:45 19/12/2020 13:45 19/12/2020 15:45 19/12/2020 16:45 19/12/2020 18:45 19/12/2020 19:45 19/12/2020 19:45 19/12/2020 19:45 19/12/2020 19:45 19/12/2020 19:45 20/12/2020 02:45 20/12/2020 02:45 20/12/2020 01:45 20/12/2020 01:45 20/12/2020 03:45 20/12/2020 03:45 20/12/2020 05:45 20/12/2020 05:45 20/12/2020 05:45 20/12/2020 07:45 Average Action Level Limit Level	73 65 76 70 80 66 80 77 96 89 66 88 88 88 88 78 75 79 79 79 79 79 61 61 64 86 69 65 65 65 74 75	24/12/2020 08:47 24/12/2020 09:47 24/12/2020 10:47 24/12/2020 11:47 24/12/2020 12:47 24/12/2020 13:47 24/12/2020 13:47 24/12/2020 16:47 24/12/2020 16:47 24/12/2020 18:47 24/12/2020 18:47 24/12/2020 18:47 24/12/2020 18:47 24/12/2020 21:47 24/12/2020 21:47 24/12/2020 21:47 24/12/2020 01:47 25/12/2020 01:47 25/12/	77 68 66 75 83 68 83 68 91 93 71 89 71 82 76 72 81 75 65 87 71 75 65 87 71 75 65 87 71 75 66 74 76 156 260	30/12/2020 08:02 30/12/2020 09:02 30/12/2020 09:02 30/12/2020 10:02 30/12/2020 11:02 30/12/2020 13:02 30/12/2020 14:02 30/12/2020 15:02 30/12/2020 15:02 30/12/2020 16:02 30/12/2020 19:02 30/12/2020 19:02 30/12/2020 19:02 30/12/2020 20:02 30/12/2020 20:02 30/12/2020 20:02 30/12/2020 20:02 31/12/2020 00:02 31/12/2020 00:02 31/12/2000 00:02 31/12/2000 00:02 31/12/2000 00:02 31/12/2000 0	77 70 68 79 84 76 83 73 73 85 72 90 72 84 70 72 84 70 73 87 64 76 90 73 75 64 76 90 73 75 64 76 90 73 75 64 76

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

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

Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³
3/12/2020 09:48	74	9/12/2020 09:51	77	15/12/2020 09:50	
3/12/2020 10:48	76	9/12/2020 10:51	74	15/12/2020 10:50	80
3/12/2020 11:48	67	9/12/2020 11:51	66	15/12/2020 11:50	
3/12/2020 12:48	66	9/12/2020 12:51	70	15/12/2020 12:50	
3/12/2020 12:48	78	9/12/2020 13:51	82	15/12/2020 13:50	
					· · · · · · · · · · · · · · · · · · ·
3/12/2020 14:48	76	9/12/2020 14:51	83	15/12/2020 14:50	
3/12/2020 15:48	75	9/12/2020 15:51	80	15/12/2020 15:50	
3/12/2020 16:48	78	9/12/2020 16:51	83	15/12/2020 16:50	
3/12/2020 17:48	78	9/12/2020 17:51	83	15/12/2020 17:50	
3/12/2020 18:48	82	9/12/2020 18:51	92	15/12/2020 18:50	
3/12/2020 19:48	91	9/12/2020 19:51	92	15/12/2020 19:50	D 95
3/12/2020 20:48	82	9/12/2020 20:51	91	15/12/2020 20:50	D 95
3/12/2020 21:48	80	9/12/2020 21:51	90	15/12/2020 21:50	0 81
3/12/2020 22:48	82	9/12/2020 22:51	85	15/12/2020 22:50	D 90
3/12/2020 23:48	82	9/12/2020 23:51	90	15/12/2020 23:50	D 79
4/12/2020 00:48	84	10/12/2020 00:51	86	16/12/2020 00:50	
4/12/2020 01:48	80	10/12/2020 01:51	88	16/12/2020 01:50	
4/12/2020 02:48	80	10/12/2020 02:51	77	16/12/2020 02:50	
4/12/2020 03:48	70	10/12/2020 03:51	80	16/12/2020 03:50	
4/12/2020 03:48	74	10/12/2020 03:51	76	16/12/2020 03:50	
4/12/2020 04:48	79	10/12/2020 04:51	78	16/12/2020 05:50	
	79 75		78 89		
4/12/2020 06:48		10/12/2020 06:51		16/12/2020 06:50	
4/12/2020 07:48	75	10/12/2020 07:51	78	16/12/2020 07:50	
4/12/2020 08:48	76	10/12/2020 08:51	77	16/12/2020 08:50	
Average	77	Average	82	Average	
Action Level	165	Action Level	165	Action Leve	
Limit Level	260	Limit Level	260	Limit Leve	260
Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³)	Date and Time	TSP Concentration (µg/m ³
19/12/2020 09:55					
	96	24/12/2020 10:03	74	30/12/2020 10:03	
19/12/2020 10:55	81	24/12/2020 11:03	84	30/12/2020 11:03	3 81
19/12/2020 10:55 19/12/2020 11:55	81 79	24/12/2020 11:03 24/12/2020 12:03	84 86	30/12/2020 11:03 30/12/2020 12:03	3 81 3 76
19/12/2020 10:55 19/12/2020 11:55 19/12/2020 12:55	81 79 83	24/12/2020 11:03 24/12/2020 12:03 24/12/2020 13:03	84 86 76	30/12/2020 11:03 30/12/2020 12:03 30/12/2020 13:03	3 81 3 76 3 80
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24-hour TSP Impact Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section).

AMS7A - Sheung Wo Che

| MS 12 - Fung Wo Estat
Date and Time | TSP Concentration (µg/m ³) | Date and
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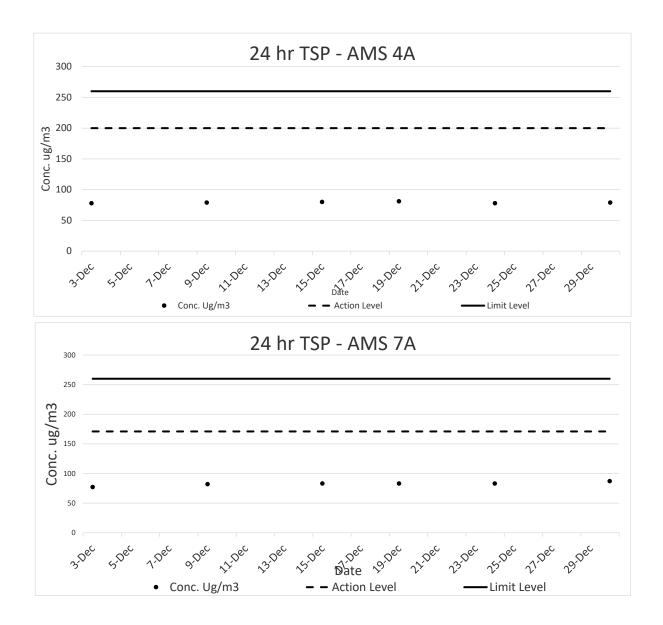
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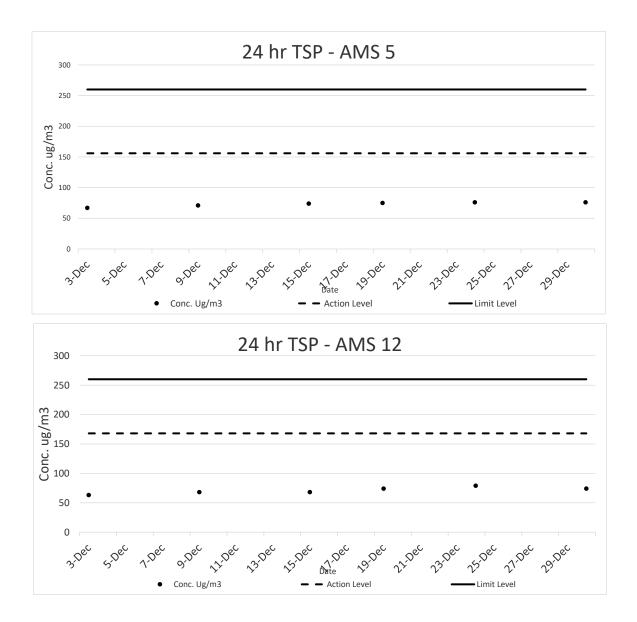
24-hour TSP Impact Monitoring Result for NOD 03-2018 Road Widening and Retrofitting Noise Barriers on Tai Po Road (Sha Tin Section)

Remark

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





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Appendix G

Noise Monitoring Data

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

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		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Uni	: dB(A) 30 Mir	IS		(m/s)
3-Dec-20	08:30	57.4	55.2	62.3		57.4	Sunny	0.9
9-Dec-20	08:58	59.9	58.7	64.8		59.9	Fine	0.8
15-Dec-20	09:06	59.4	57.3	64.3	75	59.4	Fine	1.2
24-Dec-20	08:55	61.9	58.1	66.8		61.9	Sunny	0.6
30-Dec-20	09:08	60.3	57.6	65.6		60.3	Sunny	0.4

NMS 2 Villa Le Parc

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Unit	t: dB(A) 30 Mir	IS		(m/s)
3-Dec-20	10:46	57.2	54.3	60.0		57.2	Sunny	0.9
9-Dec-20	11:14	59.7	57.8	62.5		59.7	Fine	0.8
15-Dec-20	11:22	59.2	56.4	62.0	75	59.2	Fine	1.2
24-Dec-20	11:10	61.6	59.9	64.5		61.6	Sunny	0.6
30-Dec-20	11:23	60.6	58.7	63.3		60.6	Sunny	0.4

NMS 3 Hilton Plaza

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Uni	: dB(A) 30 Mir	IS		(m/s)
3-Dec-20	08:50	56.4	54.8	63.1		56.4	Sunny	0.9
9-Dec-20	09:18	57.2	55.7	63.9		57.2	Fine	0.8
15-Dec-20	09:26	60.1	58.5	66.5	75	60.1	Fine	1.2
24-Dec-20	09:14	63.5	57.5	63.8		63.5	Sunny	0.6
30-Dec-20	09:27	58.1	56.4	64.7		58.1	Sunny	0.4

NMS 4 Tin Liu

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linnt Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mir	IS		(m/s)
3-Dec-20	11:28	65.3	62.1	68.7		65.3	Sunny	0.9
9-Dec-20	11:56	66.1	63.0	69.5		66.1	Fine	0.8
15-Dec-20	12:04	69.0	65.8	72.1	75	69.0	Fine	1.2
24-Dec-20	11:52	67.7	64.2	69.1		67.7	Sunny	0.6
30-Dec-20	12:05	66.9	63.7	70.3		66.9	Fine	0.4

NMS 5A Wai Wah Centre

		Meas	ured Noise	ise Level Limit Level Construction Noise Level			Wind	
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Uni	: dB(A) 30 Mir	IS		(m/s)
3-Dec-20	09:26	67.2	63.5	70.2		67.2	Sunny	0.9
9-Dec-20	09:54	64.1	63.0	71.6		64.1	Fine	0.8
15-Dec-20	10:02	65.2	63.9	71.3	75	65.2	Fine	1.2
24-Dec-20	09:50	67.6	64.9	71.1		67.6	Sunny	0.6
30-Dec-20	10:03	65.4	61.9	69.6		65.4	Fine	0.4

NMS 6A Wai Wah Centre

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mir	IS		(m/s)
3-Dec-20	10:02	66.9	63.7	69.1		66.9	Sunny	0.9
9-Dec-20	10:30	64.3	62.7	70.5		64.3	Fine	0.8
15-Dec-20	10:38	64.9	64.1	70.2	75	64.9	Fine	1.2
24-Dec-20	10:26	61.6	58.1	70.1		61.6	Sunny	0.6
30-Dec-20	10:39	63.4	58.6	71.3		63.4	Fine	0.4

NMS 7 Tin Liu

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mir	IS		(m/s)
3-Dec-20	13:00	61.7	59.7	65.7		61.7	Sunny	0.9
9-Dec-20	13:28	62.8	60.9	67.7		62.8	Fine	0.8
15-Dec-20	13:36	63.0	60.8	67.4	75	63.0	Fine	1.2
24-Dec-20	13:24	65.3	61.8	67.3		65.3	Sunny	0.6
30-Dec-20	13:37	63.5	61.6	68.5		63.5	Sunny	0.4

NMS 8 Shatin Plaza

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Uni	t: dB(A) 30 Min	IS		(m/s)
2-Dec-20	08:30	66.7	63.5	68.5		66.7	Sunny	1.6
8-Dec-20	08:58	66.4	63.3	68.1		66.4	Sunny	0.7
14-Dec-20	09:06	64.7	62.4	69.0	75	64.7	Fine	0.9
23-Dec-20	08:54	65.1	61.6	67.7		65.1	Fine	0.5
31-Dec-20	09:07	66.9	64.0	68.9		66.9	Sunny	1.0

NMS 9 Lek Yuen Estate

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linin Lever	Construction Noise Level	Weather	Speed
				Unit	t: dB(A) 30 Mir	IS		(m/s)
2-Dec-20	11:00	59.7	55.6	64.8		59.7	Sunny	1.6
8-Dec-20	11:28	62.5	58.2	63.9		62.5	Sunny	0.7
14-Dec-20	11:36	59.7	56.1	62.9	75	59.7	Fine	0.9
23-Dec-20	11:24	63.5	60.0	63.8		63.5	Fine	0.5
31-Dec-20	11:37	63.2	58.9	64.7		63.2	Sunny	1.0

NMS 10A Shatin Tsung Tsin School

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Unit	: dB(A) 30 Mir	IS		(m/s)
2-Dec-20	09:45	61.1	59.6	63.8		61.1	Sunny	1.6
8-Dec-20	09:37	61.6	60.0	64.7		61.6	Sunny	0.7
14-Dec-20	09:59	62.3	59.9	65.7	70	62.3	Fine	0.9
23-Dec-20	09:40	62.9	59.4	64.3		62.9	Fine	0.5
31-Dec-20	09:56	62.3	60.7	65.5		62.3	Sunny	1.0

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

NMS 11 Sheung Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Unit	t: dB(A) 30 Mir	IS		(m/s)
2-Dec-20	15:30	65.4	61.5	66.8		65.4	Sunny	1.6
8-Dec-20	15:22	62.6	60.9	67.7		62.6	Sunny	0.7
14-Dec-20	15:44	63.8	61.8	67.4	75	63.8	Fine	0.9
23-Dec-20	15:25	63.9	60.4	67.3		63.9	Fine	0.5
31-Dec-20	15:41	63.3	61.6	68.5		63.3	Sunny	1.0

NMS 12 SKH Holy Spirit Primary School

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
					(m/s)			
2-Dec-20	10:36	63.6	60.0	65.3		63.6	Sunny	1.6
8-Dec-20	10:28	60.8	59.0	66.2		60.8	Sunny	0.7
14-Dec-20	10:50	62.0	58.8	65.9	70	62.0	Fine	0.9
23-Dec-20	10:31	63.4	58.6	65.8		63.4	Fine	0.5
31-Dec-20	10:47	61.5	59.7	67.0		61.5	Sunny	1.0

*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	Linit Level	Construction Noise Level	Weather	Speed
		Unit: dB(A) 30 Mins						(m/s)
2-Dec-20	14:39	65.6	62.3	68.9		65.6	Sunny	1.6
8-Dec-20	15:07	68.0	62.4	68.6		68.0	Sunny	0.7
14-Dec-20	15:15	66.3	62.9	69.5	75	66.3	Fine	0.9
23-Dec-20	15:03	65.5	62.0	68.2		65.5	Fine	0.5
31-Dec-20	15:16	67.3	63.1	69.4		67.3	Sunny	1.0

NMS 14 Sheung Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L_{eq}	L ₉₀	L ₁₀			Weather	Speed (m/s)
			Unit: dB(A) 30 Mins					
2-Dec-20	16:08	64.1	61.0	67.2		64.1	Sunny	1.6
8-Dec-20	16:36	64.3	59.8	67.8		64.3	Sunny	0.7
14-Dec-20	16:44	63.6	61.3	67.4	75	63.6	Fine	0.9
23-Dec-20	16:32	63.2	61.7	67.4		63.2	Fine	0.5
31-Dec-20	16:45	65.0	60.5	68.6		65.0	Sunny	1.0

NMS 15 Ha Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind	
Date	Start Time	L_{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed (m/s)	
			Unit: dB(A) 30 Mins						
3-Dec-20	09:09	60.6	57.9	63.6		60.6	Sunny	0.9	
9-Dec-20	09:37	65.6	57.5	66.7		65.6	Fine	0.8	
15-Dec-20	09:45	67.4	57.2	70.1	75	67.4	Fine	1.2	
24-Dec-20	09:33	63.5	59.6	63.8		63.5	Sunny	0.6	
30-Dec-20	09:46	66.4	58.4	67.5		66.4	Sunny	0.4	

NMS 16 Ha Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind	
Date	Start Time	L_{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed (m/s)	
			Unit: dB(A) 30 Mins						
3-Dec-20	09:49	64.2	60.6	66.0		64.2	Sunny	0.9	
9-Dec-20	09:37	64.0	59.9	66.7		64.0	Fine	0.8	
15-Dec-20	09:45	63.1	58.7	66.3	75	63.1	Fine	1.2	
24-Dec-20	09:33	62.9	59.4	66.3		62.9	Sunny	0.6	
30-Dec-20	09:46	64.7	60.6	67.5		64.7	Sunny	0.4	

NMS 17 Shatin Pui Ying College

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L_{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				is		(m/s)		
2-Dec-20	14:23	63.7	62.0	67.2		63.7	Sunny	1.6
8-Dec-20	14:15	63.5	61.1	66.7		63.5	Sunny	0.7
14-Dec-20	14:37	64.3	60.5	69.3	70	64.3	Fine	0.9
23-Dec-20	14:18	62.4	58.9	66.3		62.4	Fine	0.5
31-Dec-20	14:34	64.2	61.8	67.5		64.2	Sunny	1.0

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

NMS 18 Ha Wo Che

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L_{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed (m/s)
		•	Unit: dB(A) 30 Mins					
3-Dec-20	10:36	61.0	58.6	63.0		61.0	Sunny	0.9
9-Dec-20	10:28	59.4	57.6	64.3		59.4	Fine	0.8
15-Dec-20	10:50	61.2	57.3	65.3	75	61.2	Fine	1.2
24-Dec-20	10:31	63.4	58.6	63.9		63.4	Sunny	0.6
30-Dec-20	10:47	60.1	58.3	65.1		60.1	Sunny	0.4

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

NMS 19 Wo Che Estate

11110 10 11												
		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind				
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed				
				Unit	IS		(m/s)					
2-Dec-20	12:58	65.3	62.1	69.6		65.3	Sunny	1.6				
8-Dec-20	12:50	64.9	62.5	69.7		64.9	Sunny	0.7				
14-Dec-20	13:12	65.7	62.2	69.3	75	65.7	Fine	0.9				
23-Dec-20	12:53	63.8	60.3	69.3		63.8	Fine	0.5				
31-Dec-20	13:09	65.6	63.2	70.5		65.6	Sunny	1.0				

NMS 20 Wo Che Estate

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date S	Start Time	L_{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				Unit	IS		(m/s)	
2-Dec-20	13:29	66.7	65.1	68.7		66.7	Sunny	1.6
8-Dec-20	13:21	66.4	64.9	68.8		66.4	Sunny	0.7
14-Dec-20	13:43	65.9	64.3	68.4	75	65.9	Fine	0.9
23-Dec-20	13:24	67.7	64.2	68.9		67.7	Fine	0.5
31-Dec-20	13:40	67.0	65.6	69.6		67.0	Sunny	1.0

NMS 23 Pai Tau

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L_{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
					(m/s)			
3-Dec-20	08:46	68.2	64.6	70.0		68.2	Sunny	0.3
9-Dec-20	08:38	67.3	64.4	69.7		67.3	Fine	0.4
15-Dec-20	09:00	69.4	66.3	71.2	75	69.4	Fine	0.5
24-Dec-20	08:41	63.5	60.0	63.8		63.5	Sunny	0.7
30-Dec-20	08:57	68.0	65.1	70.5		68.0	Sunny	0.4

NMS 24 Shatin Plaza

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date Start	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Level	Weather	Speed
				(m/s)				
2-Dec-20	09:11	66.7	64.2	69.5		66.7	Sunny	1.6
8-Dec-20	09:03	67.2	63.1	70.6		67.2	Sunny	0.7
14-Dec-20	09:25	67.4	64.8	70.1	75	67.4	Fine	0.9
23-Dec-20	09:06	66.1	62.6	70.2		66.1	Fine	0.5
31-Dec-20	09:22	67.9	63.8	71.4		67.9	Sunny	1.0

NMS 25A Sheung Wo Che

_		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	2000		Weather	Speed
		Unit: dB(A) 30 Mins						(m/s)
2-Dec-20	11:46	70.6	68.3	74.2		70.6	Sunny	0.5
8-Dec-20	11:38	71.6	66.5	73.2		71.6	Sunny	1.2
14-Dec-20	12:00	72.4	66.2	72.8	75	72.4	Fine	0.4
23-Dec-20	11:41	71.3	67.8	72.8		71.3	Fine	0.5
31-Dec-20	11:57	73.1	67.2	74.0		73.1	Sunny	1.0

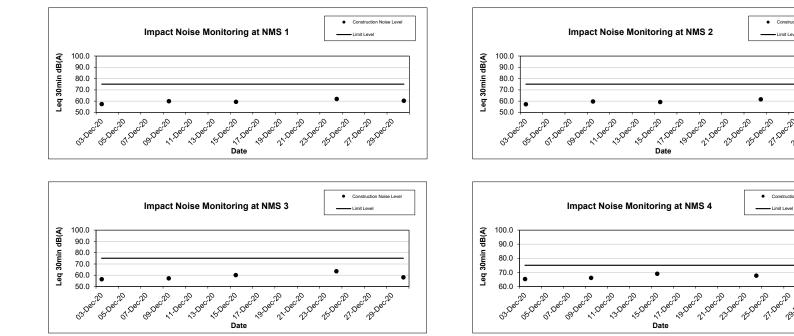
NMS 26 Wo Che Estate

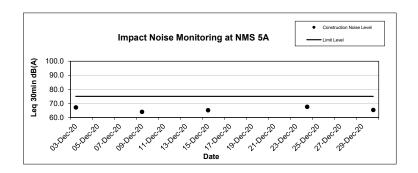
		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind
Date	Start Time	L_{eq}	L ₉₀	L ₁₀	Emit Lever		Weather	Speed (m/s) 0.5 0.8 0.4 0.5
				Unit	:: dB(A) 30 Mir	IS		(m/s)
2-Dec-20	10:26	70.3	65.8	72.6		70.3	Sunny	0.5
8-Dec-20	10:18	71.1	69.7	73.6		71.1	Sunny	0.8
14-Dec-20	10:40	70.6	68.2	73.0	75	70.6	Fine	0.4
23-Dec-20	10:21	61.6	58.1	73.2		61.6	Fine	0.5
31-Dec-20	10:37	63.4	58.6	74.4		63.4	Sunny	1.0

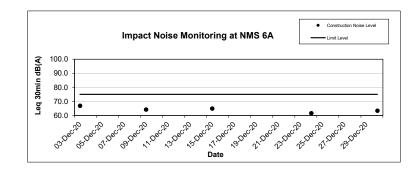
NMS 27 Jockey Club Ti-I College

		Meas	ured Noise	Level	Limit Level	Construction Noise Level		Wind		
Date	Start Time	L _{eq}	L ₉₀	L ₁₀	Linit Level	Construction Noise Lever	Weather	Speed (m/s)		
			Unit: dB(A) 30 Mins							
3-Dec-20	11:16	63.8	63.8	69.2		63.8	Sunny	0.9		
9-Dec-20	11:08	64.3	63.6	68.9		64.3	Fine	0.8		
15-Dec-20	11:30	67.0	65.3	72.1	70	67.0	Fine	1.2		
24-Dec-20	11:11	63.2	59.7	68.5		63.2	Sunny	0.6		
30-Dec-20	11:27	65.0	64.3	69.7		65.0	Sunny	0.4		

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







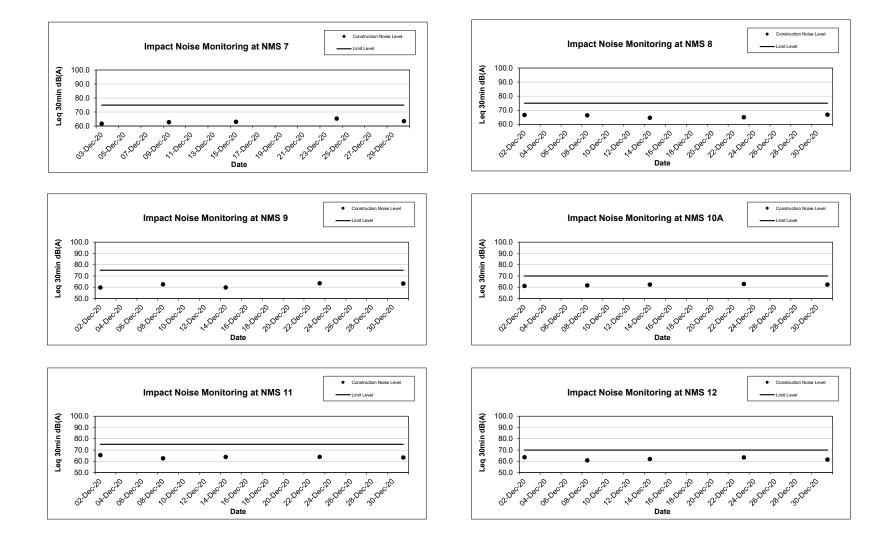
Construction Noise Level

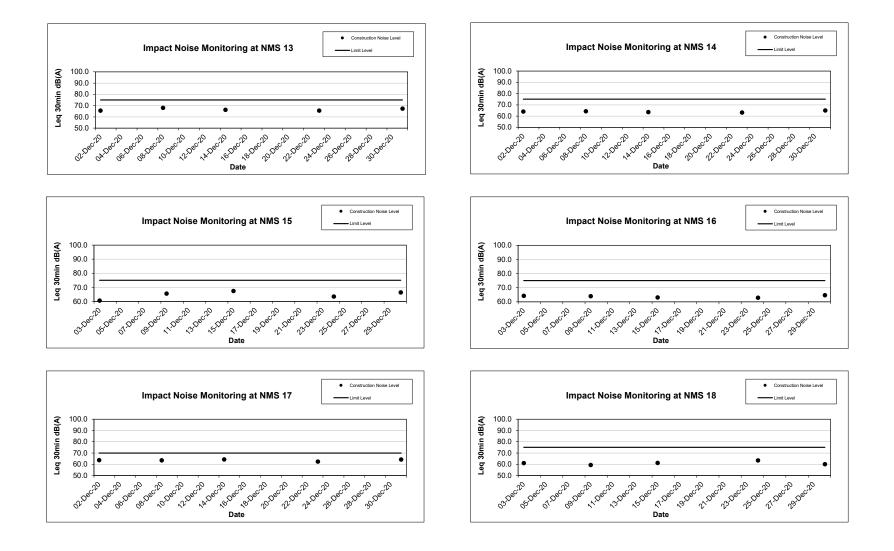
- Limit Level

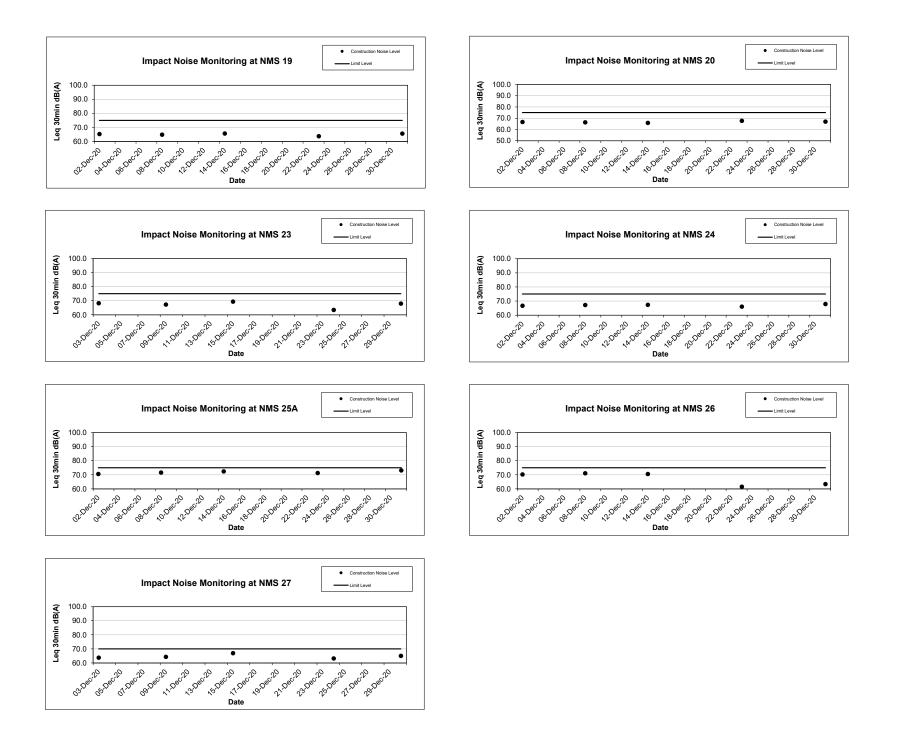
1.0ec/29 , 29:0ec.20

Construction Noise Level

- Limit Level







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

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)
3-Dec-20	23:02	57.7			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
10-Dec-20	23:00	58.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9
17-Dec-20	23:05	58.3	61.4	52.8 - 66.3	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
23-Dec-20	23:00	59.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
30-Dec-20	23:11	59.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.8</td></baseline<>	Fine	1.8

Note:

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

NMS 2 Villa Le Parc

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
4-Dec-20	02:49	53.5			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.2</td></limit>	Fine	1.2
11-Dec-20	02:43	54.4			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.9</td></limit>	Fine	0.9
18-Dec-20	02:40	54.1	49.7	40.1 - 58.2	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.3</td></limit>	Fine	1.3
24-Dec-20	02:44	54.7			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>0.6</td></limit>	Fine	0.6
31-Dec-20	02:50	53.1			55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.5</td></limit>	Fine	1.5

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

NMS 3 Hilton Plaza

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
3-Dec-20	23:00	62.5			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
10-Dec-20	23:05	64.5			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
17-Dec-20	23:00	65.2	70.9	60.2 - 78.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
23-Dec-20	23:03	65.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
30-Dec-20	23:06	63.7			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.5</td></baseline<>	Fine	1.5
Note:	*Corrected Noise Lev	vel in Leq (15min) dE	Α).					

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)
4-Dec-20	02:20	58.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
11-Dec-20	02:16	58.2			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
18-Dec-20	02:18	57.7	62.6	53.1 - 68.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
24-Dec-20	02:20	57.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
31-Dec-20	02:32	56.9			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.5</td></baseline<>	Fine	1.5

Note:

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

NMS 5A Wai Wah Centre

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)
23:38	60.7			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
23:39	60.7			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
23:44	61.6	67.9	62.0 - 75.2	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
23:40	61.4			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
23:51	61.1			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.6</td></baseline<>	Fine	1.6
-	23:38 23:39 23:44 23:40	Start Time min) (dB(Å)) 23:38 60.7 23:39 60.7 23:44 61.6 23:40 61.4	Start Time min) (dB(A)) (dB(A)) 23:38 60.7 23:39 60.7 23:44 61.6 23:40 61.4	Start Time min) (dB(A)) (dB(A)) Range (dB(A)) 23:38 60.7 23:39 60.7 23:44 61.6 23:40 61.4	Start Time min) (dB(A)) (dB(A)) Range (dB(A)) (dB(A)) 23:38 60.7 55 55 23:39 60.7 55 55 23:44 61.6 67.9 62.0 - 75.2 55 23:40 61.4 55 55	Start Time min) (dB(A)) (dB(A)) Range (dB(A)) (dB(A)) Corrected Noise Level (dB(A)) 23:38 60.7 23:39 60.7 23:44 61.6 23:40 61.4	Start Time min) (dB(A)) (dB(A)) Range (dB(A)) (dB(A)) Corrected Noise Level (dB(A)) Weather 23:38 60.7 55 Measured Noise Level <baseline< td=""> Fine 23:39 60.7 55 Measured Noise Level<baseline< td=""> Fine 23:44 61.6 67.9 62.0 - 75.2 55 Measured Noise Level<baseline< td=""> Fine 23:40 61.4 55 Measured Noise Level<baseline< td=""> Fine</baseline<></baseline<></baseline<></baseline<>

Note:

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

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)
3-Dec-20	23:38	68.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
10-Dec-20	23:47	67.8			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.9</td></baseline<>	Fine	0.9
17-Dec-20	23:45	67.7	71.5	65.0 - 85.9	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
23-Dec-20	23:45	68.0			55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
30-Dec-20	23:51	68.0			55 Measured Noise Level <baseline< td=""><td>Measured Noise Level<baseline< td=""><td>Fine</td><td>1.6</td></baseline<></td></baseline<>	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.6</td></baseline<>	Fine	1.6
NI-4-1	*O a mag at a d N a la a la a s	1. 1 (45 .) 1	D(A) /	1 11 11		A \		

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

NMS 7 Tin Liu

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)	
4-Dec-20	02:35	59.1		51.4 - 65.5	55	41.6*	Fine	1.2	
11-Dec-20	02:36	58.8		51.4 - 65.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8	
18-Dec-20	02:35	59.2	59.0	51.4 - 65.5	55	45.9*	Fine	1.2	
24-Dec-20	02:33	59.3		51.4 - 65.5	55	47.6*	Fine	0.8	
31-Dec-20	02:42	58.6		51.4 - 65.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.5</td></baseline<>	Fine	1.5	
Note:	Note: *Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).								

NMS 8 Shatin Plaza

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
3-Dec-20	23:44	57.1		55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
10-Dec-20	23:40	57.3		55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
17-Dec-20	23:44	58.4	64.4	55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
23-Dec-20	23:48	58.9		55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
31-Dec-20	23:57	59.5		55.6 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.6</td></baseline<>	Fine	1.6

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

NMS 9 Lek Yuen Estate

	Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
-	4-Dec-20	00:25	55.0		39.5 - 63.1	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.3</td></limit>	Fine	1.3
Γ	11-Dec-20	00:29	56.7		39.5 - 63.1	55	53.9*	Fine	0.8
ſ	18-Dec-20	00:34	57.3	53.5	39.5 - 63.1	55	55.0*	Fine	1.3
	24-Dec-20	00:39	55.8		39.5 - 63.1	55	52.0*	Fine	0.8
	31-Dec-20	00:43	55.7		39.5 - 63.1	55	51.7*	Fine	1.5

Note:

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

NMS 11 Sheung Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
4-Dec-20	01:54	56.8		46.1 - 62.8	55	54.3*	Fine	0.6
11-Dec-20	01:56	57.1		46.1 - 62.8	55	54.9*	Fine	0.6
18-Dec-20	02:00	56.8	53.2	46.1 - 62.8	55	54.4*	Fine	0.6
24-Dec-20	02:06	57.2		46.1 - 62.8	55	55.0*	Fine	0.3
31-Dec-20	02:13	56.5		46.1 - 62.8	55	53.7*	Fine	1.5
Note:	*Corrected Noise Le	vel in Leq (15min) o	dB(A) was/w	vere lower than Lin	nit 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)
4-Dec-20	00:30	58.9		45.4 - 72.5	55	53.8*	Fine	1.2
11-Dec-20	00:24	58.3		45.4 - 72.5	55	51.5*	Fine	0.8
18-Dec-20	00:21	59.1	57.3	45.4 - 72.5	55	54.5*	Fine	1.3
24-Dec-20	00:26	58.8		45.4 - 72.5	55	53.6*	Fine	0.8
31-Dec-20	00:34	59.0		45.4 - 72.5	55	54.2*	Fine	1.5

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

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)
4-Dec-20	01:44	54.8		46.1 - 62.8	55	Measured Noise Level <limit level<="" td=""><td>Fine</td><td>1.3</td></limit>	Fine	1.3
11-Dec-20	01:46	56.1		46.1 - 62.8	55	51.9*	Fine	0.8
18-Dec-20	01:44	56.7	54.1	46.1 - 62.8	55	53.1*	Fine	1.3
24-Dec-20	01:43	56.5		46.1 - 62.8	55	52.7*	Fine	0.8
31-Dec-20	01:51	56.7		46.1 - 62.8	55	53.2*	Fine	1.5
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/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)
4-Dec-20	01:49	59.1		48.4 - 69.7	55	46.6*	Fine	1.2
11-Dec-20	01:45	60.2		48.4 - 69.7	55	54.7*	Fine	0.8
18-Dec-20	01:46	58.9	58.8	48.4 - 69.7	55	44.0*	Fine	1.2
24-Dec-20	01:49	60.3		48.4 - 69.7	55	55.0*	Fine	0.8
31-Dec-20	01:56	58.4		48.4 - 69.7	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.5</td></baseline<>	Fine	1.5
Note: *Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).								

NMS 16 Ha Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
4-Dec-20	01:23	56.6		51.4 - 69.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.3</td></baseline<>	Fine	1.3
11-Dec-20	01:20	57.4		51.4 - 69.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
18-Dec-20	01:19	57.0	60.1	51.4 - 69.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
24-Dec-20	01:23	56.6		51.4 - 69.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
31-Dec-20	01:33	57.1		51.4 - 69.5	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.5</td></baseline<>	Fine	1.5

Note:

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

NMS 18 Ha Wo Che

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
4-Dec-20	01:13	55.9		56.0 - 72.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
11-Dec-20	01:10	56.9		56.0 - 72.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
18-Dec-20	01:12	56.9	63.2	56.0 - 72.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
24-Dec-20	01:16	56.6		56.0 - 72.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
31-Dec-20	01:23	57.5		56.0 - 72.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.6</td></baseline<>	Fine	1.6
Note:	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/were lower than Limit level: 55 dB(A).

NMS 19 Wo Che Estate

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
4-Dec-20	01:32	60.7		53.8 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
11-Dec-20	01:36	60.8		53.8 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.0</td></baseline<>	Fine	0.0
18-Dec-20	01:38	61.9	61.7	53.8 - 72.8	55	49.4*	Fine	1.2
24-Dec-20	01:41	60.8		53.8 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
31-Dec-20	01:52	61.5		53.8 - 72.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.5</td></baseline<>	Fine	1.5

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)
4-Dec-20	01:48	58.7		48.6 - 71.7	55	51.9*	Fine	1.2
11-Dec-20	01:52	58.3		48.6 - 71.7	55	49.2*	Fine	0.0
18-Dec-20	01:55	58.3	57.7	48.6 - 71.7	55	49.2*	Fine	1.3
24-Dec-20	01:59	58.0		48.6 - 71.7	55	46.6*	Fine	0.8
31-Dec-20	02:06	58.3		48.6 - 71.7	55	49.2*	Fine	1.5

Note:

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

NMS 23 Pai Tau

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
4-Dec-20	02:22	58.4		47.8 - 69.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.3</td></baseline<>	Fine	1.3
11-Dec-20	02:26	59.4		47.8 - 69.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
18-Dec-20	02:32	59.0	59.9	47.8 - 69.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
24-Dec-20	02:33	59.7		47.8 - 69.8	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
31-Dec-20	02:43	60.6		47.8 - 69.8	55	52.3*	Fine	1.6

Note:

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

NMS 24 Shatin Plaza

Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
4-Dec-20	00:47	59.4		50.2 - 66.7	55	54.0*	Fine	1.2
11-Dec-20	00:49	59.6		50.2 - 66.7	55	54.5*	Fine	0.8
18-Dec-20	00:47	58.8	58.0	50.2 - 66.7	55	50.9*	Fine	1.2
24-Dec-20	00:49	59.6		50.2 - 66.7	55	54.6*	Fine	0.8
31-Dec-20	00:58	58.9		50.2 - 66.7	55	51.7*	Fine	1.5

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

NMS 25A Sheung Wo Che

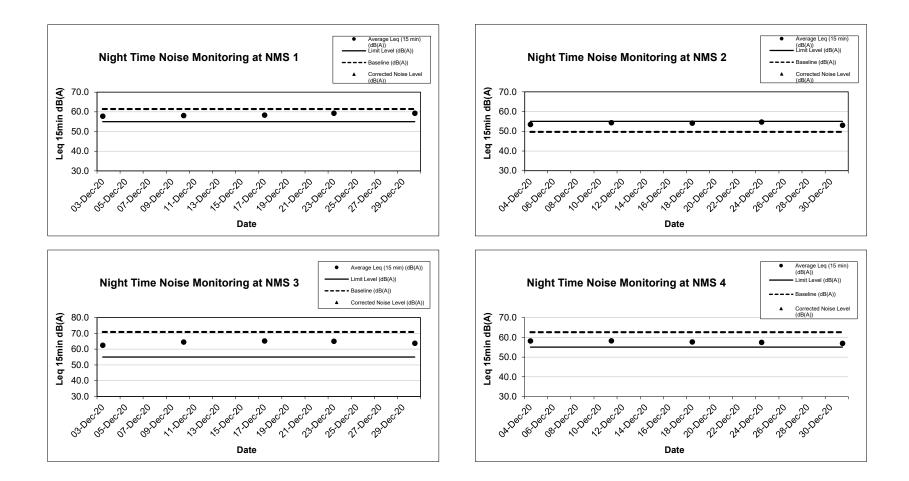
Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
4-Dec-20	02:08	58.6		50.3 - 68.4	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.5</td></baseline<>	Fine	0.5
11-Dec-20	02:07	58.6		50.3 - 68.4	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.6</td></baseline<>	Fine	0.6
18-Dec-20	02:04	59.9	59.7	50.3 - 68.4	55	46.3*	Fine	0.6
24-Dec-20	02:06	59.1		50.3 - 68.4	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.4</td></baseline<>	Fine	0.4
31-Dec-20	02:15	59.6		50.3 - 68.4	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.5</td></baseline<>	Fine	1.5

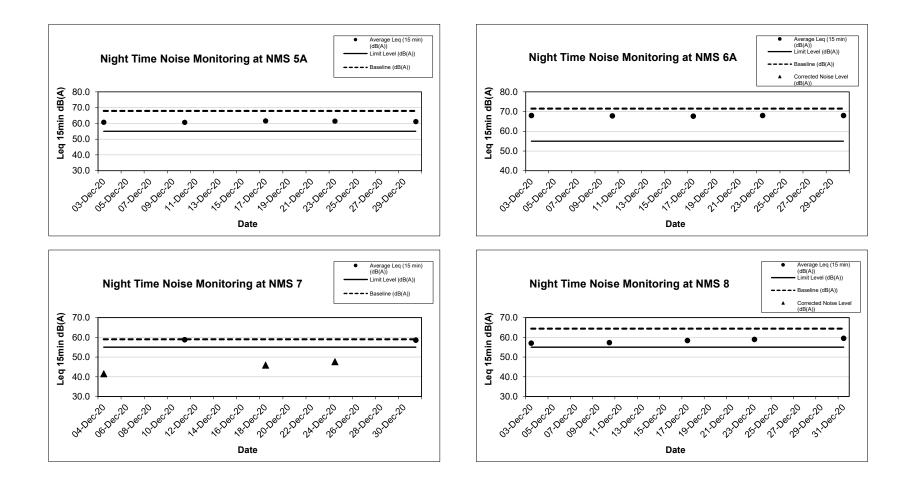
Note:

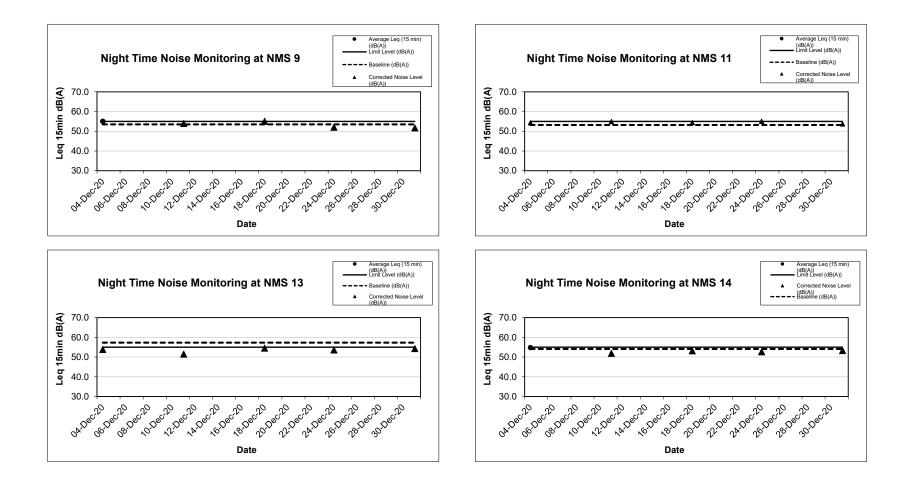
*Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).

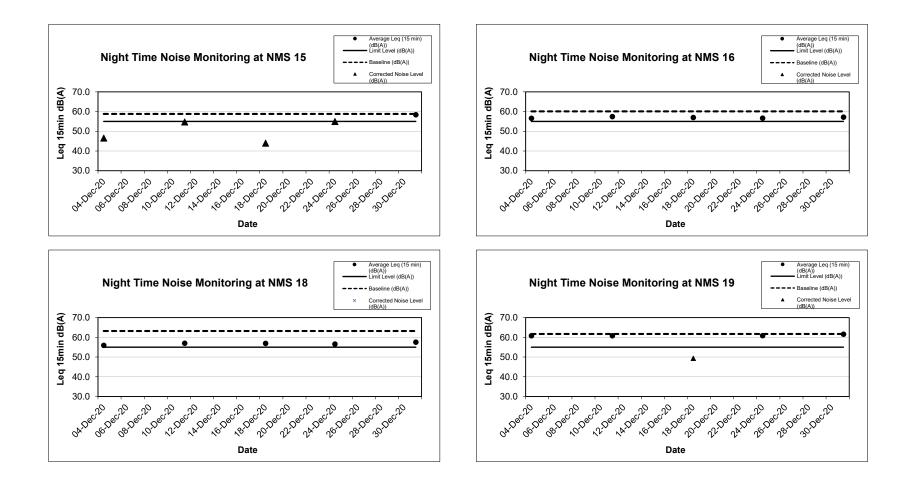
NMS 26 Wo Che Estate

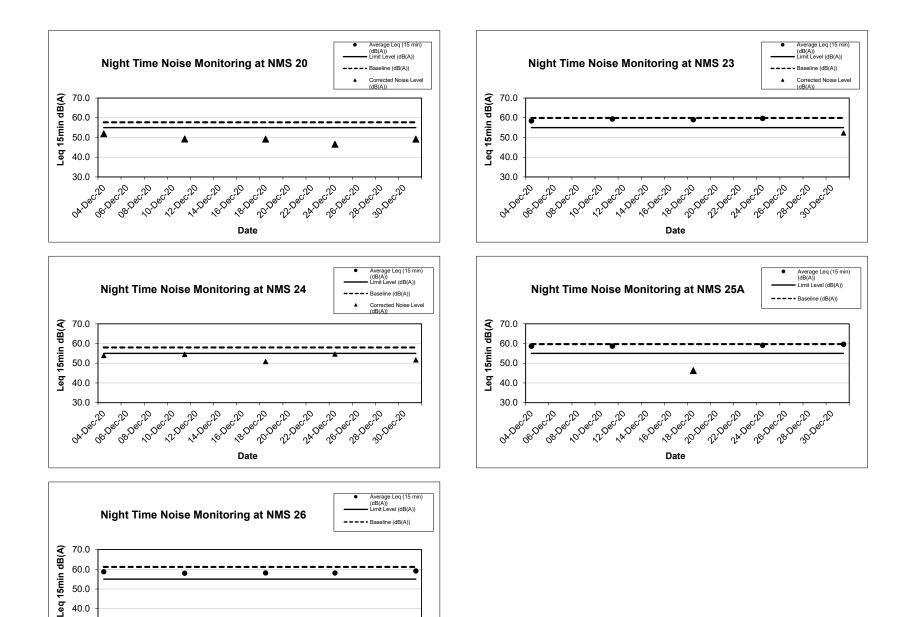
Date	Start Time	Average Leq (15 min) (dB(A))	Baseline (dB(A))	Baseline Range (dB(A))	Limit Level (dB(A))	Corrected Noise Level (dB(A))	Weather	Wind Speed (m/s)
4-Dec-20	00:55	58.8		45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.2</td></baseline<>	Fine	1.2
11-Dec-20	00:59	58.0		45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
18-Dec-20	01:03	58.1	61.2	45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.3</td></baseline<>	Fine	1.3
24-Dec-20	01:01	58.1		45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>0.8</td></baseline<>	Fine	0.8
31-Dec-20	01:06	59.2		45.7 - 70.1	55	Measured Noise Level <baseline< td=""><td>Fine</td><td>1.5</td></baseline<>	Fine	1.5
Note: *Corrected Noise Level in Leq (15min) dB(A) was/were lower than Limit level: 55 dB(A).								











28 Dec 29 30:Dec.30

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Appendix H

Events and Action Plan

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

Event and Action Plan for Construction Dust Monitoring

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

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Event and Action Plan for Noise Impact

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

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Event and Action Plan for Landscape and Visual Impact

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

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Appendix I

Waste Flow Table

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Waste Flow	/aste Flow Table for Year 2018										
		Actual Quant	tities of Inert C&I	D Materials Gene	erated 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

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Waste Flow [·]	Table for Year 2	2019									
		Actual Qua	Intities 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	2.008	0.000	0.014	0.000	1.994	0.000	0.002	0.047	0.006	0.000	0.067
2020 Aug	2.215	0.000	0.018	0.000	2.197	0.000	0.001	0.040	0.006	0.000	0.014
2020 Sep	4.305	0.000	0.000	0.000	4.305	0.000	0.002	0.042	0.009	0.000	0.044
2020 Oct	3.073	0.000	0.002	0.000	3.071	0.000	0.001	0.019	0.005	0.000	0.029
2020 Nov	1.670	0.000	0.000	0.000	1.670	0.000	0.001	0.030	0.006	0.000	0.036
2020 Dec	3.498	0.000	0.000	0.000	3.498	0.000	24.751	0.036	0.006	0.000	0.042
Total	24.101	0.000	0.109	0.000	23.992	0.498	24.764	0.403	0.054	0.000	0.438

Note:

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

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

3) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m³.

4) Updated data for previous month.

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Appendix J

Environmental Mitigation Implementation Schedule (EMIS)

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EIA Review Ref	Location	Environmental Protection Measures/	Implementation Agent	Implementation Status in Construction Phase
		Noise Measures		
		 Scheduling the construction activities carefully according to the actual site work situation, avoid of concurrent activities and construction works fronting the affected schools, to minimize the total noise generated (max as 102dB (A). 	Contractor	Implemented
		 PME is recommended to operate in sub-grouping, and different sub-groups shall not be operated concurrently within any half hour period 	Contractor	Implemented
		 The construction activities should be carried out in the daytime hours (0700 – 1900). Construction Noise Permit (CNP) for constriction activities is required during evening or night time hours. 	Contractor	Implemented
3.10.2, 3.10.3, 3.10.14,		 Construction work programme should be considered before actual construction work is undertaken, and noise mitigation measures should be implemented to minimize the potential construction noise impact. Selection and optimization of construction programmes, avoidance and reduction of parallel operation of noisy PME during noise sensitive periods. 	Contractor	Implemented
3.10.15 and Table 3.10		 Use of well-maintained and regularly-serviced plant during the works. 	Contractor	Implemented
		Plant operating on intermittent basis should be turned off or throttled down when not in active use.	Contractor	Implemented
	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
	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. 	Contractor	Not Applicable
		These temporary noise barriers should be located immediately adjacent to working area.	Contractor	Not Applicable

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

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		complete coverage of active construction area eight times a day.		
		• Effective water sprays shall be used during the delivery and handling of all raw sand and aggregate, and other similar materials, wet dust is likely to be created and to dampen all stored materials during dry and windy weather.	Contractor	Implemented
		 Stockpiles of sand, aggregate or any other dusty materials greater than 20m³ shall be enclosed on three sides, with walls extending above the pile and 1 meter beyond the front of the pile. 	Contractor	Implemented
		 Suitable chemical wetting agent such as dust suppression chemical shall be used on completed cuts and fills to reduce wind erosion. 	Contractor	Not Observed
		 Areas within the construction site where there is a regular movement of vehicles shall have a paved surface and be kept clear of loose surface material. 	Contractor	Implemented
		 The Contractor shall restrict all motorized vehicles within the construction site, excluding those on public roads, to maximum speed of 20 km per hour and confine haulage and delivery vehicles to designated roadways inside the Site. 	Contractor	Implemented
		 Construction working areas should be restricted to a minimum practicable size. 	Contractor	Implemented
		 The Contractor shall ensure that no earth, rock or debris is deposited on public or private rights of way as result of his activities, including any deposits arising from the movement of plant or vehicles. 	Contractor	Implemented
4.12.1		 The Contractor shall provide a wheel washing facility at the exits from work areas to the satisfaction of the Engineer and to the requirements of the Commissioner of Police. Water in wheel washing facilities and sediment shall be changed and removed respectively at least once a month. 		Not Applicable
		 The Contractor shall submit details of the wheel washing facilities, which shall be usable prior to any earthworks excavation activity on the construction site. The Contractor shall also provide a hard-surfaced road between any washing facility and the public road. 	Contractor	Not Applicable
		 In the event of any spoil or debris from construction works being deposited on adjacent land, or steams, or any slit being washed down to any area, then all such spoil, debris or material and silt shall be immediately removed and the affected land and areas restored to their natural state by the Contractor to the satisfaction of the Engineer. 	Contractor	Not Applicable
		 If spoil cannot be immediately transported out of the Site, stockpiles should be stored in sheltered areas. 	Contractor	Implemented
		 Plant and vehicles shall be inspected annually to ensure that they are operating efficiently and that exhaust emissions are not causing a nuisance. All site vehicle exhausts should be directed vertically upwards or directed away from ground. 	Contractor	Implemented

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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	Partially Implemented
		Water Quality Measures		
		 Silt-laden surface run-off should be prevented from directly entering the sensitive receivers during the construction works. The mitigation measures described below for the construction phase are in accordance with ProPECC PN 1/94: 	Contractor	Implemented
	Within the	• Construction works should be programmed so as to minimise excavation during the wet season (April to September). If this is not possible then measures should be taken to minimise the areas exposed by covering temporary exposed slopes with tarpaulins or similar material, the protection of temporary road surfaces with gravel or crushed stone and the early reinstatement of final surfaces with hydro seed grass/shrub mixture. This latter measure would have the added benefit of reducing the windblown dust during the dry season. Where temporary covering of slopes is required this should be carried out before the onset of the rainfall or storm.	Contractor	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. 	Contractor	Implemented
	sites.	 Stock piles of construction materials, sand and gravel or excavated material should be covered with tarpaulins prior to rainstorms. The washing of material from the stockpiles directly into the storm drains should be prevented by passing the run off through a sediment trap. 	Contractor	Implemented
		 The surface water from the site should be discharged into storm water drain after passing through sand and silt traps designed to accommodate the maximum discharge from the site. Within the site channels, bunds or sandbags should be used to direct run off into the traps. Storm water from outwit the site should be prevented from washing over the site by the construction of interceptor channels at the site boundary. Both perimeter channels and the sedimentation traps should be constructed prior to the commencement of site formation and earthworks. 	Contractor	Partially Implemented
		• The efficiency of the interceptor channels, traps and sedimentation chambers should be maintained	Contractor	Partially Implemented

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		by regular cleaning of accumulated silt and sand. Particular attention should be paid to maintenance following heavy rainfall and immediately after the issue of heavy rainfall warning by the Hong Kong Observatory.		
		 The ingress of rainwater into trenches should be minimised by the construction of bunds to prevent water flowing into the trench and covering by tarpaulins to prevent direct entry. The lengths of excavated trenches should be minimised and backfilled at the earliest opportunity. Water pumped from the trenches should be discharged to the storm water drains following passage through a suitable silt trap. 	Contractor	Implemented
		 Any ground water seeping into any trenches or foundation works should be passed through a silt trap prior to discharge to the storm water drains. 	Contractor	Implemented
		 The water used for the washing down of mixing drums used for onsite batching of concrete and delivery lorries for off-site batched concrete should be recycled whenever possible. Wastewater generated from the washing which is discharged should be passed through a silt trap before discharge to the storm water system. 	Contractor	Not Applicable
		 The wastewater from the washing of the wheels and subframe of vehicles returning from the site onto public roads will contain suspended solids and debris. A washing bay should be provided at the exit from the site and should, where practicable, incorporate water recirculation. Water from the washing bay which is discharged to the storm water system should first be passed through a silt trap which also includes an oil/grease removal weir. 	Contractor	Not Applicable
		• Plant maintenance areas should be paved to prevent waste oils soaking into the ground. Where possible the area should be undercover to minimise the formation of runoff and any runoff from the paved area passed through an oil trap before being discharged to the storm drains. Fuel storage tanks should be surrounded by bunds with a capacity of at least 150% of the storage capacity. The bunded areas should be able to be drained of rain water through the petrol interceptor and accumulated rain removed at regular intervals.	Contractor	Not Applicable
		 Waste oils from the site should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance and absorbent cloths and granules should be available for the cleanup of spillages. 	Contractor	Not Applicable
		 Sewage from toilets and kitchens should be discharged directly into a foul sewer. If it is not possible to locate the site offices within easy access of a foul sewer a septic tank and soakaway should be constructed before the offices are occupied. Chemical toilets should be emptied on a daily basis and the contents taken to a foul sewer or the Sha Tin Sewage Treatment Works for disposal. 	Contractor	Implemented

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		Wastewater collected from canteen kitchens should be discharged to the foul sewers via grease traps which provide a minimum of 20 minutes retention during peak flow. All discharges into foul sewers and storm sewers should have to be complied with TM standards under WPCO.		
		 Run off from roofed surfaces of site facilities should be collected and diverted to a storm water drain. Passage through a silt trap is only required if the water is diverted via open .channels which might accumulate solids during non-rainy periods or which intercept surface run off from unpaved areas. 		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	Partially Implemented
		(ii) The functioning of interception channels at the boundary of the works areas	Contractor	Partially Implemented
		(iii) The covering of stockpiles of fill and construction materials and the routing of any run off through the sediment traps.	Contractor	Implemented
Section 12.6 of the		(iv) The pumping procedures for emptying trenches and other excavations and the use of silt traps prior to the discharge of the water to the storm water system.	Contractor	Implemented
Approved EIA Report		(v) The use of washwater for hosing down concrete mixing and delivery vehicles and other vehicles leaving the site and the routine of excess water from the facility through sediment traps.	Contractor	Not Applicable
		(vi) The operation of the plant maintenance areas to control small spillages and the correct management of the fuel storage bunded area.	Contractor	Not Applicable
		(vii) The connection of the site office wastewater discharge to an existing foul sewer if appropriate or the operation of the kitchen wastewater grease trap and the regular emptying of the chemical toilets	Contractor	Not Applicable
		(viii)The operation of the roof rain water collection and drainage system.	Contractor	Not Applicable
	-	Landscape and Visual Mitigation Measures		
		Construction Phase		
Table 6.5	within the	• Existing trees shall be preserved as much as possible. Detailed tree preservation and transplanting proposals shall be submitted to relevant government departments for approval in accordance with DEVB TC (W) No. 7/2015.	Contractor	Implemented
	Project Boundary.	• Topsoil will be conserved as far as possible during the road improvement works and utilized during the replanting operations. The stock piling height of the topsoil will not be more than 2m.	Contractor	Implemented

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		 Old and valuable trees (OVTs) identified in the Project Boundary shall be protected in accordance with ETWB TCW no. 29/2004. 	Contractor	Implemented
		• Night-time lighting glare shall be properly managed and control during construction so as to minimize any adverse visual impact on adjacent VSRs.	Contractor	Not Applicable
		• Decorative screen hoarding with design compatible with the surrounding landscape setting shall be erected along the southern boundary of Tai Po Road to mitigate any potential adverse impact on adjacent Pedestrian and Cyclists on Footpath/Bicycle Track.		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.	Contractor	Not Applicable
		• Aesthetically pleasing hard landscape treatment of the carriageway and roadside furniture shall be proposed, including development of chromatic themes in the architectural treatment of engineering structures, and the consideration of landscape lighting and special landscape features.	Contractor	Not Applicable
		• Shrubs and climbers planting are proposed on the facade of Noise Enclosures and Barriers to mitigate any adverse impact on adjacent VSRs in area where space for tree planting is not feasible.	Contractor	Not Applicable
		Waste Management Measures		
7.6.2 to 7.6.4	all	• In accordance with ETWB TC (W) No. 19/2005 - Environmental Management on Construction Sites", the Contractor shall prepare and implement a Waste Management Plan (WMP) as part of the Environmental Management Plan (EMP). The EMP shall describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different	Contractor	Implemented

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		categories of waste to be generated from the construction activities. Such a management plan should incorporate site specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval.		
		 The Contractor should implement the waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor. 	Contractor	Partially Implemented
		 Recommendations of good site practices and waste reduction measures should be stated in order to achieve avoidance and minimization of waste generation in the hierarchy. 	Contractor	Implemented
7.6.5 to 7.6.6		 Environmental Management Plan (EMP) and trip-ticket system shall be implemented for monitoring management of waste. 	Contractor	Implemented
		 Specific measures targeting the mitigation of impacts in works areas and the transportation of spoil off-site should be provided to minimize the potential impacts to the surrounding environment. 	Contractor	Implemented
	boundaries 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	. The items after the
	transportatio	 A review of the EMP in particular the suitability of the environmental measures on nuisance abatement and waste management adopted by the contractor; 	Contractor	Implemented
		 The environmental performance of the contractor and his sub-contractors; 	Contractor	Implemented
		 The effectiveness of the environmental measures on nuisance abatement and waste management implemented on the site, and any complaints received; and 	Contractor	Implemented
	of	 The promptness of rectification or improvement actions of the Contractor on the defects and deficiencies identified during inspections of the site. 	Contractor	Implemented
	during construction activities.	 Waste shall only be disposed of at licensed sites and the WMP should include procedures to ensure that illegal disposal of wastes does not occur. Only waste haulers authorized to collect the specific category of waste concerned should be employed and a trip ticket system shall be implemented for offsite disposal of inert C&D materials and non-inert C&D materials at public fill reception facilities and landfills, respectively. Appropriate measures should be employed to minimize windblown litter and dust during transportation by either covering trucks or transporting wastes in 	Contractor	Implemented

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		enclosed containers.		
7.6.10		 Work site(s) shall be arranged and managed to facilitate the proper management of wastes and materials. The WMP shall include plans indicating specific areas designated for the storage of particular types of waste, reusable and recyclable materials as well as areas and management proposals for any stockpiling areas. Waste storage areas should be well maintained and cleaned regularly. Specific provisions for different types of material are outlined below. In general, these areas should be designed to avoid cross contamination of materials as well as pollution of the surrounding environment. 		Implemented
		 In order to minimize the impact resulting from collection and transportation of C&D material for off- site disposal, the excavated fill materials should be reused on site as backfill material as far as possible. 	Contractor	Implemented
		 Careful design, planning and good site management should be maintained in order to minimise over ordering and generation of surplus materials such as concrete, mortars and cement grouts. The design of formwork should maximise the use of standard wooden panels so that high reuse levels can be achieved. Alternatives such as steel formwork or plastic facing should be considered to increase the potential for reuse. 	Contractor	Implemented
7.6.11 to 7.6.14		 C&D materials should be segregated on site into different waste and material types. The Contractor should clearly demonstrate in the EMP how he intends to maximise the reuse of C&D material on-site. Where reuse of materials on site is not feasible, the Contractor should explore opportunities for recycling materials off-site, and inert C&D materials shall be reused on site as much as possible. 	Contractor	Implemented
		 Paving bricks arising from existing pavement should be recycled on site as much as possible. 	Contractor	Not Applicable
		 Existing marginal roadside barriers comprise pre-cast units should be reused in the following widening works as much as possible, 	Contractor	Not Applicable
		 Existing bridge parapets comprise aluminum post and railings, which have a recyclable value and should be sold for reconditioning or reused for scrap metal as much as possible 	Contractor	Not Applicable
		 Any stockpile should be sited away from existing watercourses and suitably covered to prevent wind erosion and impacts on air and water quality. 	Contractor	Implemented
7.6.15 to		 Chemical waste shall be handled in accordance with the Code of Practice on the Packaging, Handlas follows. Containers used for the storage of chemical wastes should: 	ng and Storage	of Chemical Wastes
7.6.17		 be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed; 	Contractor	Partially Implemented

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		 have a capacity of less than 450L unless the specifications have been approved by the EPD; and 	Contractor	Implemented
		 display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354C). 	Contractor	Implemented
		The storage area for chemical wastes should:		
		 be clearly labelled and used solely for the storage of chemical waste; 	Contractor	Implemented
		• be enclosed on at least 3 sides;	Contractor	Implemented
		 have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest; 		Implemented
		 have adequate ventilation; 	Contractor	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. 		Implemented
		Separate labelled bins should be provided if feasible.	Contractor	Not Observed
		 Office waste can be reduced through recycling of paper if volume is large enough to warrant collection. Participation in a local collection scheme should be considered if one is available. 	Contractor	Implemented
7.7.1		 All wastes produced during the construction of the Project shall be handled, stored, and disposed of in accordance with good waste management practices and relevant regulations and requirements. 	Contractor	Implemented

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		 The mitigation measures recommended in the EIA/EIA review report should form a basis of the WMP to be developed by the Contractor in the construction phase of the Project. 	Contractor	Implemented
EP 1.5		<u>General Condition</u>		
N.A	construction within the Project	 The Permit Holder shall display conspicuously a copy of this Permit on the Project site(s) at all vehicular site entrance/exits or at a convenient location for public information at all times. The Permit Holder shall ensure that the most updated information about the Permit, including ant amended Permit, is displayed at such locations. If the Permit Holder surrenders a part or the whole of the Permit, the notice he sends to the Director shall also be displayed at the same locations as the original Permit. The suspended, varied or cancelled Permit shall be removed from display at the Project site(s). 	Contractor	Implemented

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

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Appendix K

Weather and Meteorological Conditions during Reporting Month

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	Mean		Air Temperature)	Mean Relative	Total
Date	Pressure (hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Humidity (%)	Rainfall (mm)
	•		December 2020		· · · · ·	
1	1022.3	22.4	19.7	17	66	-
2	1020.5	22.7	19.9	17.4	65	-
3	1021	20.6	17.4	15.4	64	-
4	1021.4	18.5	15.9	13.8	63	-
5	1021.5	19.8	16.8	13.9	63	-
6	1020.4	21.6	18.2	15.4	69	-
7	1020.4	23.2	20.7	18.1	63	-
8	1019.7	21.9	19.9	17.8	64	-
9	1017.7	21.4	19.8	18.4	71	Trace
10	1016.8	23.5	20.9	18.7	78	0.3
11	1015.9	23.6	21.6	20.3	82	Trace
12	1015.3	22.1	20.9	20.2	84	Trace
13	1014.7	22.5	20.9	20.2	78	-
14	1018.1	22.1	19.5	15.5	80	Trace
15	1022.2	16.8	15.4	13.4	72	Trace
16	1023.5	16.5	14.8	13.3	71	-
17	1022.1	16.5	14.9	13.6	71	-
18	1021.6	19.3	16.4	14.7	68	-
19	1023.4	17.8	15	12.5	63	_
20	1024.1	18.5	14.9	11.9	59	_
21	1022.1	19.6	16.5	13	58	-
22	1019.6	19.6	17.4	14.7	66	-
23	1016.9	19.7	18.4	16.9	83	1.2
24	1016.3	22.5	20	18.3	76	-
25	1018.7	20.9	18.9	17.4	77	-
26	1018.1	21.1	18.7	17	79	-
27	1015.8	24.5	20.4	17.6	71	-
28	1014.8	23.7	20.6	18.7	69	-
29	1014.8	24.5	21	18.7	75	-
30	1022.8	21.6	15.1	10.6	50	-
31	1027	14.2	10.9	8.1	37	_
21	-	1				

Source: Hong Kong Observatory

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Appendix L

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

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Environmental Complaints Log

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

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

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

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						required as the portable generator is not operating in restricted hours. The main contractor was reminded to strictly follow the use of their proposed semi-enclosure as the mitigation measures for the portable generator and the generator operates in daytime 07:00-19:00 only.	
COM-2019- 0066	6/11/2019	EPD	CCZJV	Noise	7/11/2019	The complaint of the emergency road repair work is related to the project. The works on on 5 th November 2019 between 22:00 and 06:00 the next day at southbound slow lane of Tai Po Road outside Wai Wah Centre, including breaking operation. The main contractor should inform the EPD in advance of any emergency opening works of the Project in future to facilitate the effective handling of noise complaint that may arise.	12/11/2019
COM-2020- 0083	29/02/2020	Project email of NE/2017/05	CCZJV	Noise and Dust	29/02/2020	The complaint of the dust and noise nuisance near Wai Wah Centre during both the day and night works was at zone 2. The construction works at zone 2 was the mini-piling operation during the day time was same as the complaint. Thus, the complaint in daytime is related to the project. Furthermore, loading and unloading works was carried in night time. Contractor was reminded to enhance the water spray frequency on the construction site for mitigation measures on dust control. Also, Contractor should provide green tarpaulin curtain and additional acoustic Sound Proof Canvas as a secondary layer at the bottom of the mini-pile drilling machine to secure the total enclose condition to minimize the visual and noise impacts	19/03/2020

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						to nearby NSRs. ET checked the regular impact air and noise monitoring data between day time and night-time regular noise monitoring data, no exceedance case was found on both regular impact air and noise monitoring measurement. The main contractor should carry out further review the effectiveness of the enclosure or noise barrier with their mitigation measure and propose alternative noise mitigation measures to enhance the noise reduction on similar day works or night works in restricted hours.	
COM-2020- 0089	24/03/2020	Project hotline	CCZJV	Noise	24/03/2020	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 24 th 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	boundary to carry out night work on loading and 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 on- site 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.	04/05/2020
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 mini- piling 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 21 st 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 results 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 28 th 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 surface remedial work since 15 th 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.	
COM-2020- 0151	10/11/2020	EPD	CCZJV	Water	10/11/2020	The complainant on 10 th November 2020 complained about water discharge onto the traffic lanes of Northbound towards Sha Tin Section of Tai Po Highway. According to the Main Contractor, there is one active site access located at Zone 1 (R1) near Pai Tau, site access located at Zone 1 (R1) near Pai Tau, site access no. is N02. Restricted opening hours of the site access Zone 1 (R1) is between 10:00 to 16:00. The operation which might be related to the complaint was water flow from water-filled barriers before the opening of site access and no water spilling onto the traffic lanes from the access area of Zone 1 (R1). The released water was directed towards to the work areas facing Zone 1 (R1) and no water was flowed towards the high-speed road	27/11/2020

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						or traffic lanes. ET conducted ad-hoc site inspection on 17 th November 2020. ET had no particular findings related to the complaint and conducted trial to open the bottom of the water barrier valve for testing and checking on the water flow to the construction site at Zone 1. Contractor performed well on environmental preventive measures for soil or silt leakage protection as impervious sheet with sand bags had been provided at the site boundary of Zone 3. ET analyzed that released water was directed towards to the work areas facing Zone 1 (R1) and no water was flowed towards the high-speed road or traffic lanes.	
COM-2020- 0152	20/11/2020	1823	CCZJV	Noise	20/11/2020	The complainant on via ICC1823 on 20 th November 2020 complained about the noise generated from the night-time asphalt laying construction works between Sha Tin Station and nearby Wo Che Estate. Although the main contractor no work at zone 5, but the major night- time construction works was road surface remedial work which was related to the complainant concerned. According to the Main Contractor, the major construction works was road surface remedial work since 19 th November 2020 conducted at restricted hours along zone 3 to zone 4 north bound of Tai Po Road Sha Tin section. 3.20 No exceedance cases were found on ET regular night-time noise monitoring measurement (Appendix F) at all noise monitoring stations. Contractor placed acoustic enclosure	7/12/2020

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						"SilentCUBE" with four sides and a top cover at asphalt removal works to mitigate. The Main Contractor was reminded to pay attention to CNP other condition 3.d.3, the electric hand-held breaker shall only be used for carrying out construction work between 22:00 – 23:30 hours. It is prohibited to use the electric hand-held breaker beyond the CNP condition 3.d.3 stated that the using limitation on 23:30. The Main Contractor was reminded to re-arrange their proposed night- time construction activities to fulfill the complainant expectation that noise emitting work should be paused during 00:00 to 06:00 sleeping time.	
COM-2020- 153	26/11/2020	EPD	CCZJV	Water	26/11/2020	According to EPD Mr. Bryan Kwok, EPD carried out a site inspection on 24 November 2020, revealing that muddy effluent was discharged from an outfall at Fo Tan near Jockey Club Ti-I College while construction work of the abovementioned project site at Zone 5 opposite to Wo Che Estate was in progress. EPD team inspected the condition of waste water treatment facilities on site (slope F133) and observed that the water in the first and second sedimentation tanks was muddy; muddy water was observed at the outlet level of the Wetsep (waste water treatment plant) though there was no discharge and piling works at the time. EPD team reminded the Main Contractor that effluent does not complied with the discharge license standard should NOT be allowed to discharge. The waste	-

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						water treatment system should be improved and maintained to ensure the effluent discharge standard. EPD team requested in both works area of Slope F133 and Slope F163 the Main Contractor to locate the network of drainage, connecting manhole(s) and downstream manhole, check if any presence of muddy materials and clear-out. The main contractor was reminded to strictly follow and fully comply with the water discharge license (WT00032446-2018) conditions and the mitigation measures stipulated in the EM&A Manual for effluent discharge on the wastewater treatment system.	
COM- 2020154	27/11/2020	1823	CCZJV	Noise	30/11/2020	The complaint was received via ICC1823 on 27 th November 2020, the complainant expressed concern of construction noise nuisances near Wo Che Estate at around 01:14 am on 27 th November 2020. According to the Main Contractor, there were no construction works near Wo Che Estate (Zone 5) on 26^27 November 2020. The major construction works were works related to removal of central median (at night-time) under the approved road closure with CNP no.GW-RN0799- 20. According to Main Contractor EO Kimberly, she sent prior notification to the EPD on 20 th November 2020 through logging in the webpage of EPD before the commencement of the construction work in relation to the CNP GW- RN0799-20 (conditions 3.d.11 and 4.d.8). The Main Contractor provided photo records showing that mitigation measures of the movable acoustic	-

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						enclosure "SilentCUBE" with four sides and a top cover were implemented for night work on removal of existing central median: drill hole with percussive drill for temporary steel module spiral installation, drill hole at existing central median with concrete corer and asphalt compaction with portable roller. Main Contractor was reminded to strictly follow and fully comply with the CNP No.: GW-RN0799-20 conditions. 5.11 The Main Contractor was reminded to re-arrange their proposed night-time construction activities to fulfill the complainant expectation that noise emitting work should be paused during 00:00 to 06:00 sleeping time.	
COM- 2020155	26/11/2020	1823	CCZJV	Dust	30/11/2020	According to the complainant, the dust nuisance concerned at day time was at the slip road to Fo Tan Road near Lok King Street near Zone 5 works area. According to the Main Contractor, the major day time construction works at Zone 5 works area in November were mini-piling works and slope works of soil replacement. Regular movement of vehicle for transportation was also carried out on site. Thus, the complaint was considered to be related to the project. ET conducted regular day-time air quality monitoring in November 2020 and on the 3rd December 2020 at selected air monitoring stations AMS6, 8, 11A & 13 and AMS5, 4A, 7A & 12 respectively. The two air quality monitoring stations closed to the works area at zone 5 (where the complainant concerned of dust nuisance) were AMS12 and	-

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						AM13; and AMS13 locate nearest to Zone 5. The ET regular air quality results measured at AMS13 and AM12 in November 2020 and on the 3rd December 2020 show that there was no exceedance case found in air quality monitoring measurement and the results were all below the action level. The Main Contractor was reminded to enhance the mitigation measures in dust control such as increase the water spray frequency at the construction site to suppress dust emission. The Main Contractor proposed to properly maintain the coverings on exposed slopes and keep them in good condition for minimizing dust impact. The Main Contractor proposed to frequently spraying of haul road especially at area where active movement of vehicles and pave the haul road where necessary to reduce dust impact.	
COM- 2020157	5/12/2020	STDC	CCZJV	Dust	7/12/2020	According to the complainant, the dust nuisance concerned at day time was generated from the construction works area of the Tai Po Road Widening project at Zone 5. According to the Main Contractor, major day time construction works of mini-piling and soil replacement at slopes were carried out at Zone 5 works area in December 2020. There was also regular movement of vehicle for transportation within the works area. Thus, the complaint was considered to be related to the project. ET conducted regular day-time air quality monitoring (Appendix C) on the 3rd, 9th & 15th December 2020 respectively which was	29/12/2020

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						close to the date of complaint, at selected air monitoring stations AMS5, AMS4A, AMS7A & AMS12. ET regular day-time air quality monitoring measurement results at air quality monitoring stations AMS12, closest to Zone 5. The ET regular air quality results measured at AM12 on 3rd, 9th & 15th December 2020 show that there was no exceedance case found in air quality monitoring measurement and the results were all below the action level. The Main Contractor was reminded to reduce the travelling speed of transportation vehicles on site and plan the schedule of delivery transport in order to reduce dust impact. The Main Contractor proposed to continue in maintaining the coverings on exposed slopes in good condition for minimizing dust impact. The Main Contractor proposed to increase water spraying at area where active movements of vehicle transportation occur.	
COM- 2020161	18/12/2020	EPD	CCZJV	Noise	18/12/2020	The complaint was received via email notification by EPD on 18th December 2020, the complainant expressed concern of construction noise nuisances near Wo Che Estate during night-time on 7^8 & 8^9 December 2020. According to the Main Contractor, the major construction works was removal of central median works since 7^8 & 8^9 December 2020 conducted at restricted hours along Zone 4 central median of Tai Po Road Sha Tin section. Thus, the complaint is considered to be related to the project. 3.4 According to the Main Contractor, portable generator with hand-	5/1/2021

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						held breaker had been used for breaking of asphalt (on existing central median edge); lorry with crane, portable generator and concrete corer had been used for remove (lifting) the existing central median and coring of central median joint; dump truck with grab had been used for loading and unloading of rubble; portable roller had been used in asphalt compaction; lorry with crane, percussive and hand-held drill and portable generator had been used for installation of temporary steel module between 00:30 to 04:30 am on 7^8 December 2020. The Main Contractor complied with CNP No.: GW-RN0799-20 that allowed the usage of PMEs. 3.12 The noise emanated from the concrete corer for drilling hole at existing central median and portable roller for asphalt compaction might cause a noise nuisance. To further alleviate the noise nuisance, the Contractor placed acoustic enclosure "SilentCUBE" with four sides and a top cover at removal of existing central median and asphalt compaction works to mitigate as shown in the site condition photo record. No exceedance cases were found on ET regular night-time noise monitoring measurement (Appendix F) at all noise monitoring stations, especially measured at six noise monitoring stations mentioned in above section 3.15 where locate close to the works area (Sha Tin station to nearby Fung Wo Estate in Zone 4), the measured result at NMS16, NMS18 and NMS26 were lower than that of measured in	

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						the baseline. Besides, the measured result after correction of baseline at NMS13, NMS14 and NMS15 were lower than that of the limit level. The Main Contractor was reminded to re-arrange their proposed night-time construction activities especially in quiet construction works to minimize the noise nuisance to nearby residences. The Main Contractor was reminded to re-arrange their proposed night-time construction activities to fulfill the complainant expectation that noise emitting work should be paused during night sleeping time.	

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Cumulative Statistics on Complaints

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Month	Cumulative Project- to-Date
Air	1	1	2
Noise	21	1	22
Water	2	0	2
Waste	0	0	0
Total	24	2	26

Cumulative Statistics on Notification of Summons and Successful Prosecutions

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

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Appendix M

Summary of Site Audit in the Reporting Month

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Summary of Site Audit in the Reporting Month

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Parameters	Date	Observations and Recommendations	Follow-up
Air Quality	3 Dec 2020	Observation: 1. NRMM label should be on machine to fulfill requirement of APCO at Zone 4.	1. (Zone 4) NRMM label has been affixed.
Air Quality	30 Dec 2020	Reminder: 1. Provide mitigation measure (e.g. water spraying) to suppress dust emission (Zone 4).	
Noise	No specific obs	ervation was identified in the reporting month.	
	10 Dec 2020	 Observation: 1. Clear the silty material in the U channel to maintain the drainage capacity (Zone 3 S06). 2. Remove the silty water in the channel and treat it before discharge (Zone 5 slope F163). Reminder: 1. Regularly remove the muddy material in the sedimentation tank near the wetsep (Zone 3). 	 (Zone 3) U-channel has been cleared. (Zone 5) U-channel has been cleared.
Water Quality	17 Dec 2020	 Observation: 1. Floating Mud should be cleared and oil stains should be absorbed with absorptive pads for the sedimentation tank to ensure the quality of treated water in Zone 3. 2. Sediment in U channel should be cleared regularly to prevent water spillage in Zone 4. Reminder: 1. Broken pipe of water pump should be repaired 	 (Zone 3) Sedimentation Tank has been cleared. (Zone 4) U-channel has been cleared.
	24 Dec 2020	to prevent untreated water spillage in Zone 4. Observation: 1. Temporary water pit shall be cleared to prevent garbage to reduce the efficiency of the sedimentation tank. (Zone 3, S05).	1. (Zone 3) Temporary water pit has been cleared.
	3 Dec 2020	 Observations: 1. General waste should be cleared regularly to maintain good site condition at works area B. 2. Water in drip tray should be cleared regularly to prevent leakage due to overflow at Zone 4. 	 (Works Area B) Debris has been removed. (Zone 4) Stagnant water was cleared
Chemical and Waste	10 Dec 2020	Observations: 1. Remove the stagnant water mixed with oil/silt inside the drip tray and treat it as chemical waste (Zone 3).	1. (Zone 3) Stagnant oily water was removed.
Management	17 Dec 2020	 Observations: 1. Stagnant water within drip tray should be cleared and the oil stain should be absorbed with absorptive pads and treated as chemical waste to prevent chemical spillage in Zone 3. 2. Chemical should be storage properly to prevent leakage outside to site boundary in Zone 3. 	 (Zone 3) Stagnant water was cleared. (Zone 3) Chemical drums have been removed.

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Parameters	Date	Observations and Recommendations	Follow-up	
	24 Dec 2020	Observation: 1. Contaminated soil shall be cleared and treated as chemical waste. (Zone 3)	1. (Zone 3) Contaminated soil has been removed and stored properly.	
	30 Dec 2020	Observation: 1. Provide drip tray for chemicals to avoid accidental spillage (Zone 4 & Zone 5, slope F133).	1. (Zone 4 & 5) Water spraying has been provided.	
		2. Provide trip tray for chemical to avoid accidental spillage (Zone 4).	2. Chemical drums have been 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.			
<u>Permit /</u> <u>Licenses</u>	No specific observation was identified in the reporting month.			