Date: 13 June 2024
Your ref:
Our ref: PL-202406011

Architectural Services Department
40/F, Queensway Government offices
66 Queensway, Hong Kong

Attn: Mr. Vincent Kwok

Dear Mr. Kwok,

Re: Contract No. SS K/509
Provision of Independent Environmental Checker Consultancy for Design and Construction of Kong Nga Po Police Training Facilities
Verification of Monthly EM&A Report (May 2024)

Reference is made to the Monthly EM&A report (May 2024) provided by ET via email on 8 June 2024 and subsequent revision (Version 4) submitted on 13 June 2024.

Please be informed that we have no adverse comments on the revised Monthly EM&A report (May 2024) (Version 4). We hereby verify the submission is in accordance with Condition 3.4 of Environmental Permit No. FEP-01/510/2016.

Thank you for your attention.

Yours sincerely,
For and on behalf of
Acuity Sustainability Consulting Limited

Ir Y. H. LAW
Independent Environmental Checker

c.c. Ka Shing Management Consultancy Ltd.

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Unit 1608, 16/F, Tower 2, Manulife Financial Centre,
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Provision of Environmental Team consultancy for Design and Construction of Kong Nga Po Police Training Facilities (Programme No. 279LP)

Monthly Environmental Monitoring and Audit Report for May 2024

(Version 4)

Ka Shing Management Consultancy Ltd. www.ka-shign.net
Unit 2, 13/F Kai Yue Commercial Building, 2C Argyle St,
Mong Kok, Kowloon

Our ref: 13-6-2024

13-6-2024

By email: kwokhw@archsd.gov.hk

Architectural Services Department
40/F, High Block, Queensway Government Offices,
66 Queensway, Hong Kong
(Attn: Mr. Vincent Kwok)

Dear Mr. Kwok,

Re: Quotation No. PMB202/8480/2022/A01/A
Provision of Environmental Team consultancy for Design and Construction of Kong Nga Po Police Training Facilities (Programme no. 279LP)
-Submission of the monthly EM&A report in May 2024

We refer to the Environmental Permit No. FEP-01/510/2016 for the captioned project.

Subject to the accuracy and authenticity of all the information provided to us, we hereby certify, in accordance with Conditions 3.4 of Environmental Permit No. FEP-01/510/2016, that the information is a representation of what it signifies.

Thank you very much for your attention and please feel free to contact Mr. Lee at 9382 4204 should you require further information.

Yours faithfully,

For and on behalf of
Ka Shing Management Consultant Limited

Mr. W. H. Lee
Environmental Team Leader

cc Acuity Sustainability Consulting Limited — Mr. Law — By email: Law.Law@aurecongroup.com
China State Joint Venture — Ms. Marian Kong — By email: malai.kong@cohl.com

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EXECUTIVE SUMMARY

Introduction

E1. This document represents the 14th monthly report detailing the Environmental Monitoring and Audit (EM&A) activities for the Kong Nga Po Police Facilities Project, which operates under Environmental Permit No. FEP-01/510/2016. This report was prepared by Ka Shing Management Consultancy Ltd. (Ka Shing) under "Service Contract Quotation No. PMB202/8480/2022/A01/A Provision of Environmental Team consultancy for Design and Construction of Kong Nga Po Police Training Facilities" (hereinafter called the "Service Contract"). The report encapsulates the EM&A activities and findings carried out between the 1st and 31st of May 2024.

E2. On the 23rd of December 2022, a section of the construction site was transferred to the Architectural Services Department (ArchSD), which assumed responsibility for the building's construction. Furthermore, ArchSD has taken on the role of maintenance agent for the Hong Kong Police Force (HKPF) throughout the operational phase.

E3. In the month covered by this report, the Project of Police Facilities at Kong Nga Po, which operates under Environmental Permit No. FEP-01/510/2016, engaged in the following contractual work: Contract No. SSK509, which encompasses the design and construction of the Kong Nga Po Police Training Facilities.

Environmental Monitoring and Audit Progress

E4. A summary of the EM&A activities in this reporting month is listed in **Table I** below:

Table I Summary Table for EM&A Activities in the Reporting Month

EM&A Activities	**Date**
Noise Monitoring	06, 16, 22, 28 May 2024
Air Quality Monitoring	06, 10, 16, 22, 28 May 2024
Environmental Site Inspection	2, 7, 13, 27 May 2024
Ecological Monitoring	24, 29 May 2024
Landscape & Visual Inspection	2, 7, 13, 27 May 2024

Breaches of Action and Limit Levels

E5. Summary of the environmental exceedances of the reporting month is tabulated in **Table II**.

Construction Noise

E6. During the reporting month, the planned noise monitoring for construction took place as scheduled, with no recorded incidents of the Action/Limit Levels being exceeded.

Air Quality

E7. Throughout the reporting period, all planned air quality monitoring associated with construction was executed, and there were no recorded instances where the Action/Limit Levels were surpassed.

Table II Summary Table for Events Recorded in the Reporting Month

Environmental Monitoring	Parameter	No. of Non-Project related Exceedances		No. of Exceedance related to the Construction Works of the Contract		Action Taken
		Action Level	Limit Level	Action Level	Limit Level	
Noise	$L_{eq(30min)}$	0	0	0	0	N/A
Air Quality	1-hr TSP	0	0	0	0	N/A

Ecological Monitoring

E8. The ecological monitoring slated for the reporting month was conducted according to schedule. Details of the findings from this ecological monitoring for the respective period are available in **Appendix H.**

Environmental Non-Compliance

E9. During the reporting month, no environmental compliance violations were documented.

Environmental Complaint

E10. No environmental complaints were recorded during the reporting period. In the event of any complaints, they would be documented in the Complaint Log found in **Appendix M**.

Notification of Summons and Successful Prosecutions

E11. Throughout the month covered in this report, there were no instances of receiving notifications regarding summons or confirmations of successful prosecutions.

Reporting Changes

E12. On the 23rd of December 2022, a section of the construction site was handed over to the Architectural Services Department (ArchSD). ArchSD has taken on the task of overseeing the construction activities for the building. This Monthly Environmental Monitoring and Audit (EM&A) Report offers a summary of the site operations and the status of the environmental safeguards being implemented under the contract with ArchSD.

Future Key Issues

E13. The major site activities for the coming three months include:

1. Open cut excavation
2. Removal of soil

3. Construction of footings
4. Construction of pile cap
5. Construction of substructure
6. Construction of footbridge
7. Backfilling
8. Mock up construction
9. U.U. Lead in and Pipe Duct Connection

E14. The aforementioned construction activities could potentially lead to environmental impacts, with the primary concerns centered around construction dust, noise, water quality, and waste management. For detailed information, please refer to **Appendix A** regarding the anticipated major impacts from the construction works and corresponding recommended mitigation measures.

1 INTRODUCTION

1.1 The Architectural Services Department (ASD) has commissioned Ka Shing Management Consultancy Ltd. (Ka Shing) as the Environmental Team (ET) to conduct the Environmental Monitoring and Audit (EM&A) activities for the Kong Nga Po Police Facilities Project, as dictated by Environmental Permit No. FEP-01/510/2016.

1.2 The main construction activities for the Project began on the 3rd of July, 2020, and the primary location at Kong Nga Po was handed over to the Architectural Services Department (ASD) on the 23rd of December, 2022. The ASD has assumed control over the building construction tasks and will serve as the maintenance representative for the Hong Kong Police Force (HKPF) once the project is operational.

Purpose of the report

1.3 This document constitutes the 14th EM&A Report, offering a consolidated overview of the monitoring outcomes for impacts and the audit results from the EM&A program over the reporting interval spanning from the 1st to the 31st May 2024.

Structure of the report

1.4 The structure of the report is as follows:

Section 1: Introduction
Section 2: Project Information
Section 3: Noise Monitoring
Section 4: Air Quality Monitoring
Section 5: Landscape and Visual Monitoring
Section 6: Ecological Monitoring
Section 7: Environmental Site Inspection.
Section 8: Environmental Non-conformance
Section 9: Future Key Issues
Section 10: Conclusions and Recommendations

2 PROJECT INFORMATION

Background

2.1 The Project mainly includes construction and operation of various police facilities. The police facilities include:

(i) a helipad;

(ii) two firing ranges; and

(iii) other facilities, associated infrastructure & utilities, etc.

2.2 The Project falls under the category of a Designated Project as defined by the Environmental Impact Assessment Ordinance (EIAO). In October 2016, an Environmental Impact Assessment (EIA) Report (Report No.: AEIAR-201/2016) was approved for the Project in accordance with the EIA Study Brief (No. ESB-276/2014) and the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM). The corresponding Environmental Permit (EP no.: FEP-01/510/2016) was issued by the Director of Environmental Protection (DEP).

2.3 As per the approved Environmental Monitoring and Audit (EM&A) Manual, a comprehensive air quality and noise monitoring program is recommended during the construction phases of the Project to assess and monitor potential dust and noise nuisances. Prior to the commencement of the Project's construction works, baseline air quality and noise monitoring were conducted by the previous Environmental Team (Wellab Limited) from 14th March, 2020, to 2nd April, 2020, to establish the pre-existing conditions at designated sensitive receivers.

2.4 **Figure 1** displays the site layout plan for the Project.

Project Organization

2.5 Various stakeholders with varying degrees of participation are part of the Project's organizational structure under Environmental Permit number: FEP-01/510/2016, which includes:

Project Proponent – Architectural Services Department (ArchSD)

Contractor– China State JV

Environmental Team (ET) – Ka Shing Management Consultancy Ltd.

Independent Environmental Checker (IEC) – Acuity Sustainability Consulting Limited

2.6 **Table 2.1** summarizes the contact information for key personnel associated with Quotation No. PMB202/8480/2022/A01/A and additional contacts linked with the ArchSD Contract No. SSK509.

Table 2.1 Key Contacts of the Project

Party	Role	Contact Person	Phone No.	Fax No.
Architectural Services Department	Project Proponent	Mr. Vincent Kwok	2867 3939	3542 5223

Contractor (China State JV)	Site Agent	Mr. Kelvin Chan	6272 8828	2866 6325
	Environmental Officer	Ms. Marian Kong	6174 9735	
		Mr. LuLu Mar	5998 8852	
Ka Shing Management Consultancy Ltd.	ETL	Mr. W.H. Lee	2618 2166	2120 7752
Acuity Sustainability Consulting Limited	IEC	Ir. Y.H. Law	2698 6833	2698 9383

Summary of Construction Works Undertaken During Reporting Month

2.7 Significant site activities conducted on-site during the reporting month comprised:

1. Open cut excavation
2. Removal of soil
3. Construction of footings
4. Mock-up construction
5. Construction of substructure
6. Construction of footbridge
7. Backfilling
8. U.U. Lead in and Pipe Duct Connection

Construction Programme

2.8 **Appendix A** contains a version of the Contractors' construction schedules. The primary site activities planned by the Contractor for the upcoming three months have been examined. In **Appendix O**, the expected environmental impacts' potential severity and the deployment of equipment have been evaluated. This appendix additionally provides the Contractor with recommendations and insights on alternative approaches aimed at raising environmental consciousness, refining practices on the construction site, and fostering environmental improvements.

2.9 **Table 2.2** presents a consolidated overview of the pertinent environmental protection permits, licenses, and/or notifications associated with this Project.

Table 2.2 Status of Environmental Licences, Notifications and Permits

Permit / Licence No.	**Valid Period**		**Status**
	From	**To**	
Further Environmental Permit (FEP)			
FEP-01/510/2016	N/A	N/A	Valid
Construction Noise Permit (CNP)			
GW-RN0483-24	30-04-2024	29-07-2024	Valid
Notification pursuant to Air Pollution Control (Construction Dust) Regulation			
EPD Ref no.: 487864	N/A	N/A	N/A

Billing Account for Construction Waste Disposal			
Account No. 7046289	18-01-2023	N/A	Valid
Registration of Chemical Waste Producer			
WPN5213-641-C4770-01	18-01-2023	N/A	Valid
Effluent Discharge Licence under Water Pollution Control Ordinance			
WT00043663-2023	21-04-2023	30-04-2028	Valid

Summary of EM&A Requirement

2.10 The Environmental Monitoring and Audit (EM&A) program includes the monitoring of construction noise, air quality, ecological conditions, and regular environmental site audits. The specific requirements for the EM&A program are outlined in the following sections:

- Environmental requirements in contract documents;
- Event / Action Plans;
- Environmental mitigation measures, as recommended in the Project EIA study final report;
- All monitoring parameters; and
- Action and Limit levels for all environmental parameters.

Status of Compliance with Environmental Permits Conditions

2.11 **Table 2.3** provides a summary of the adherence to Environmental Permit (EP) No. FEP-01/510/2016 and the necessary submissions connected to this Project as stipulated by the EP.

Table 2.3 Summary Table for Status of Compliance / Required Submission under FEP No. FEP-01/510/2016

FEP Conditions	Submission	Submission Date	Approval Status
1.12	Commencement date of construction of the Project	30/3/2023	*
2.7	Proposal on the Reporting Mechanism and Curriculum Vitae of the IEC	20/3/2023	*
2.10	The date of setting up the Community Liaison Hotline and the contact details	27/2/2023	*
2.11	Management Organization of Main Construction Companies, at least an organization chart, names of responsible persons and their contact details	10/3/2023	*
2.12	Construction Works Schedule and Location Plans	10/3/2023	*
2.13	Layout plan for permeable pavings	29/3/2023 Supplementary information submitted on 23/3/2024	For approval

2.14	Landscape and visual mitigation plan	26/6/2023	For approval
2.16	Plan for perimeter walls/ boundary wall sat project site and sidewalls of firing range	1 month before fence wall works	For approval
2.19	Submission of Helicopter Flight Plan	1 month before commencement of operation of Helipad	Notification
3.3	Baseline Air Quality and Noise Monitoring Report	30/3/2023	Deposit
4.2	Internet address of a dedicated web site	13/4/2023	*

Remarks: * Approval not required in FEP-01/510/2016

3 NOISE MONITORING

Monitoring Requirements

3.1 Following the EM&A Manual, monitoring of construction noise was performed by measuring the A-weighted equivalent continuous sound pressure level (Leq) to track noise generated by construction operations. Each monitoring station is scheduled for weekly noise assessments, with one set of readings to be taken from 0700 to 1900 hours on typical weekdays. The predefined Action/Limit Levels for the environmental monitoring activities are presented in **Appendix B**.

Monitoring Location

3.2 As per Section 3.2.3 of the EM&A Manual, impact noise monitoring took place at fourteen specified noise monitoring stations. Following the guidelines of the Project's Environmental Impact Assessment (EIA) report, noise monitoring stations situated within a 300-meter radius of the Project's boundary were taken into account. Consequently, six noise monitoring stations identified as relevant monitoring locations are depicted in Figure 3. The specific locations of these noise monitoring stations are detailed in **Table 3.1**.

Table 3.1 Location of Noise Monitoring Stations

Monitoring Station	Location of Measurement
NM9	Village House, Kong Nga Po
NM10	Village House, Kong Nga Po
NM11	Village House, Kong Nga Po
NM12	Village House, Kong Nga Po
NM13	Village House, Kong Nga Po
NM14	Village House, near Man Kam To Road

Monitoring Equipment

3.3 Impact noise monitoring was carried out using Integrating Sound Level Meters. These meters, classified as Type 1, are capable of providing continuous readings of noise levels, including the equivalent continuous sound pressure level (Leq) and percentile sound pressure level (Lx), and they conform to the specifications of International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1). The noise monitoring equipment utilized is summarized in **Table 3.2**. The calibration certificates for these devices can be found in **Appendix C**.

Table 3.2 Noise Monitoring Equipment

Equipment	Model	Quantity
Sound Level Meter	RION NL-52	1
Sound Calibrator	RION NC-73	1

Monitoring Parameters, Frequency and Duration

3.4 **Table 3.3** encapsulates the variables monitored, the frequency of monitoring, and the total time span of the noise monitoring activities. The schedule for noise monitoring can be located in **Appendix D.**

Table 3.3 Noise Monitoring Parameters, Duration and Frequency

Monitoring Stations	Parameter	Duration	Frequency	Measurement
NM9	L10(30 min.) dB(A)[2] L90(30 min.) dB(A)[2] Leq(30 min.) dB(A)[2] (as six consecutive Leq, 5min readings)	0700-1900 hrs on normal weekdays	Once per week	Free field[1]
NM10				Free field[1]
NM11				Façade
NM12				Façade
NM13				Free field[1]
NM14				Free field[1]

Remarks:

[1]: Correction of +3dB (A) for Free-field Measurement.

[2]: A-weighted equivalent continuous sound pressure level (Leq). It is the constant noise level which, under a given situation and time period, contains the same acoustic energy as the actual time-varying noise level.

L10 is the level exceeded for 10% of the time. For 10% of the time, the sound or noise has a sound pressure level above L10.

L90 is the level exceeded for 90% of the time. For 90% of the time, the noise level is above this level.

Monitoring Methodology and QA/QC Procedures

3.5 The procedures for noise monitoring were conducted in this manner:

- The sound level meter was mounted on a tripod, positioned 1 meter away from the outside of the noise-sensitive facade and at a height of 1.2 meters above ground level;
- To achieve free field measurement conditions, the meter was placed at a distance from any reflective surfaces, and the measured noise levels were then corrected by adding +3 dB(A);
- The battery's condition was examined to guarantee the proper operation of the meter;
- The settings for parameters like frequency weighting, time weighting, and measurement duration were established as detailed below:

-frequency weighting: A

-time weighting: Fast

-time measurement: Leq(30 min.) dB(A)

- Noise levels were measured as six consecutive Leq, 5-minute readings during the hours when restrictions did not apply (specifically, from 0700 to 1900 hrs on normal weekdays).
- Calibration of the meter was performed before and after each noise measurement session using a Calibrator set to 94.0 dB at 1000 Hz. Should there be a discrepancy greater than 1.0 dB in calibration levels pre- and post-measurement, the data would be deemed invalid. A

repeat measurement would then be necessary following recalibration or repair of the equipment.

- Throughout the monitoring period, parameters such as Leq, L90, and L10 were documented. Observations regarding site conditions and noise origins were also noted on a standard recording form.

- Noise measurements were temporarily halted during instances of significant intrusive noise (for example, barking dogs or helicopter sounds), where feasible. An observation record for the measurement period was to be provided.

- Noise monitoring was suspended in conditions of fog, rain, or when wind speeds were consistently above 5 m/s, or during gusts surpassing 10 m/s. Wind speeds were verified using a portable anemometer capable of measuring speed in meters per second (m/s).

Maintenance and Calibration

3.6 Every three months, the microphone head of the sound level meter and the calibrator was gently wiped clean using a soft fabric.

3.7 Annually the sound level meter and calibrator underwent inspection and calibration.

3.8 Before and after conducting each noise measurement, the precision of the sound level meter must be verified with an acoustic calibrator that produces a set sound pressure level at a specific frequency. Only when the pre- and post-measurement calibration levels are within a 1.0 dB range of each other will the measurements be considered valid.

Results and Observations

3.9 **Table 3.4** provides a summary of the noise monitoring outcomes. For an in-depth account and visual depiction of the noise monitoring, refer to **Appendix F**. A summary of the meteorological data for the reporting period is compiled in **Appendix G**.

Table 3.4 Summary Table of Noise Monitoring Results during the Reporting Month

Monitoring Station	Average	Range	Baseline Level	Limit Level
	Leq (30 min) dB(A)	Leq (30 min) dB(A)	dB(A)	dB(A)
NM9[1]	54.8	44.1 – 64.8	55.9	75
NM10[1]	55.1	49.9 – 65.0	52.8	
NM11	53.6	46.9 – 60.1	46.4	
NM12	53.5	48.2 – 60.4	54.7	
NM13[1]	55.5	52.0 – 60.0	61.3	
NM14[1]	48.4	41.8 – 57.2	59.6	

Remarks: [1]: Correction of +3dB (A) for Free-field Measurement.

3.10 Noise monitoring related to construction activities took place according to the planned schedule for the month reported. There were no instances where the Action/Limit Levels were surpassed. A summary of exceedance records for the reporting month can be found in **Appendix J**.

3.11 Based on observations made in the field, the primary sources of noise detected at the allocated noise monitoring stations during the reporting month are as outlined below:

Table 3.5 Observation at Noise Monitoring Stations

Monitoring Station	Major Noise Source
NM9	Loading & unloading, Road traffic, Excavation works
NM10	Loading & unloading, Road traffic, Excavation works
NM11	Road traffic
NM12	Loading & unloading, Road traffic
NM13	Loading & unloading, Road traffic
NM14	Dog barking, Road traffic

Event and Action Plan

3.12 If any non-compliance with the criteria related to the project arises, measures will be taken following the procedures outlined in the Event Action Plan provided in **Appendix I.**

4 AIR QUALITY MONITORING

Monitoring Requirements

4.1 As per the EM&A Manual, 1-hour Total Suspended Particulates (TSP) monitoring was carried out to keep track of the air quality associated with the Works Contracts. The predetermined Action/Limit Levels for the air quality monitoring activities are detailed in **Appendix B**.

4.2 Monitoring for 1-hour Total Suspended Particulates (TSP) impacts was performed at a minimum of three times within each six-day period at a designated air quality monitoring station.

Monitoring Location

4.3 In line with Section 2.2.5 of the EM&A Manual, impact air quality monitoring took place at two specified monitoring stations for the Project, as depicted in Figure 2. The positions of the air quality monitoring stations are detailed in **Table 4.1**.

Table 4.1 Location for Air Quality Monitoring Stations

Monitoring Station	Location of Measurement
AM1	Village House, Kong Nga Po
AM2	Village House, Kong Nga Po

Monitoring Equipment

4.4 Due to the denial by local villagers to set up a High-Volume Sampler (HVS) for 1-hour Total Suspended Particulates (TSP) monitoring at the chosen locations and the inability to secure an electricity supply for the HVS, direct-reading dust meters were utilized instead to conduct the 1-hour TSP monitoring. Direct-reading dust meters are widely accepted instruments for measuring 1-hour TSP levels and have been used in the same infrastructure project. The issue to use direct-reading dust meters was presented to the Independent Environmental Checker (IEC). The application of the direct-reading dust meter allows for immediate and straightforward results, facilitating timely EM&A reporting and the execution of the event and action plan. To ensure the validity and accuracy of the readings obtained by the direct-reading method, the HVS performed 1-hour sampling on a bi-monthly schedule.

4.5 **Table 4.2** provides a summary of the apparatus employed in the impact air quality monitoring program. Copies of the calibration certificates for the equipment can be found in **Appendix C**.

Table 4.2 Air Quality Monitoring Equipment

Equipment	Model and Make	Quantity
Dust Monitor	SIBATA (LD-3B)	2

4.6 Weather data was sourced from the "Hong Kong Observatory - General Weather Conditions during the Monitoring Period (May 2024)" detailed in **Appendix G**, which was used as a substitute approach to acquire representative wind data.

4.7 During the monitoring days, the field staff also documented the prevailing weather conditions, such as whether it was sunny, cloudy, or rainy.

Monitoring Parameters, Frequency and Duration

4.8 **Table 4.3** encapsulates the monitoring variables and the regularity of impact dust assessments conducted throughout the Works Contracts operations. The schedule for air quality observation for the month in question is presented in **Appendix D**.

Table 4.3 Impact Dust Monitoring Parameters, Frequency and Duration

Parameters	Frequency
1-hr TSP	Three times/ 6 days

Monitoring Methodology and QA/QC Procedure

1-hour TSP Air Quality Monitoring

Instrumentation

4.9 The air quality monitoring utilized a direct reading dust meter, as indicated in **Table 4.2**.

4.10 The procedures for operating the dust meter adhere to the guidelines set forth in the Manufacturer's Instruction Manual, as described below:

- Upon activating the Model LD-3B, the preset time that appears on the lower-left side of the liquid crystal display reads [01 min].
- Pressing the start/stop switch once under these conditions initiates a 1-minute measurement. The duration of this measurement is determined by the preset time shown on the display.
- The liquid crystal display also features a countdown timer on its lower-right side.

4.11 The portable dust meter operates using a light scattering method to indicate dust levels. Particles emit scattered light when exposed to a beam in a dark room, and the amount of scattered light is proportional to the mass concentration of the particles. The results provided by the portable dust meter are measured in Counts Per Minute (CPM). To convert CPM to mass concentration ($\mu g/m^3$), it is necessary to determine the relationship between the readings of the portable dust meter and the High Volume Sampler (HVS). The calibration procedures for the Portable Dust Meter, as provided by a HOKLAS accredited laboratory, are described below:

-Setup a calibrated HVS on site and pre-conduction and pre-weight a serious of filter for calibration of portable dust meter.

-Setup the portable dust meter side by side with the HVS. The height of the portable dust meter should be on the same level as the HVS air inlet.

-Mount the filter on the HVS and start air sampling of the HVS and portable dust meter on the same time for 1 hour.

-Collect filter in the HVS and record the reading in the portable dust meter.

-Repeat another one hour air monitoring. During the monitoring hour, generate dust by disturb the dust tray by a card board.

-Total 5 one hour air monitoring will carry out, the frequency for dust generate should increase for each hour monitoring.

-Calculate the result of the HVS by the weight difference of the filter and the flow rate.

-Prepare a graph and work out the relation between the HVS and the portable dust meter. (Slope and constant)

Maintenance/Calibration

4.12 The direct dust meters required the following maintenance and calibration:

- The dust meter must be checked and calibrated against a High Volume Sampler (HVS) to validate the precision and accuracy of the readings obtained through the direct reading method. This calibration should be performed bi-monthly during all phases of the air quality monitoring.

- The correlation between the dust meter and HVS in measuring TSP was established by directly comparing the mass of dust particles collected on a filter paper by the HVS against the dust meter's reading. For accurate calibration, both the dust meter and the HVS should be turned on and off at the same location and at the same time.

- The correlation coefficient was verified to confirm the relationship between the readings from the dust meter and the HVS. This correlation factor was ascertained by comparing the outcomes from both the HVS and the dust meter.

- Prior to the initiation of dust monitoring, a check must be conducted to verify that all equipment is operational and has the necessary power supply. A zero count test was performed before and after each monitoring session to ensure accuracy.

Results and Observations

4.13 The outcomes of the 1-hour TSP monitoring are condensed in **Table 4.4**. For a comprehensive view, detailed results and graphical representations of the 1-hour TSP monitoring data can be found in **Appendix E**.

Table 4.4 Summary Table of 1-hour TSP Monitoring Results during the Reporting Month

Monitoring Station	Concentration ($\mu g/m^3$)		Action Level, $\mu g/m^3$	Limit Level, $\mu g/m^3$
	Average	Range		
AM1	61	41 – 80	308	500
AM2	63	39 – 89	311	

4.14 The 1-hour TSP monitoring took place according to the planned timetable for the reporting month, and there were no instances of exceeding the established Action/Limit Levels.

4.15 Based on field observations, the primary sources of dust at the specified air quality monitoring stations during the reporting month are listed in **Table 4.5**.

Table 4.5 Observation at Dust Monitoring Stations

Monitoring Station	Major Dust Source
AM1	Equipment operation and movement / road traffic, exposed site area, site vehicle
AM2	Road traffic, exposed site area, site vehicle / equipment operation and movement, vehicle / equipment operation and movement at warehouse nearby

Event and Action Plan

4.16 In the event of a project-related violation of the criteria, measures will be taken as specified by the Event Action Plan detailed in **Appendix I**.

5 LANDSCAPE AND VISUAL MONITORING

Monitoring Requirements

5.1 The EIA Report recommends implementing strategies to mitigate impacts on landscape and visual resources throughout both the construction and operational phases of the Project.

5.2 The execution and upkeep of compensatory planting for landscaping are critical components of this process and must be monitored to confirm their complete fulfillment. It is essential to promptly address any potential clashes between the proposed landscaping efforts and other Project tasks or operational needs to ensure that the mitigation measures' objectives are not compromised. Furthermore, the enforcement of the mitigation measures advised by the EIA will be tracked continuously through the site audit program for the construction phase.

5.3 The Environmental Team (ET) carried out a fortnightly review of the execution of measures aimed at mitigating landscape and visual impacts as part of the weekly site audits. The findings and observations from these audit sessions are encapsulated in **Table 7.1**, while the status of implementation can be found detailed in **Appendix K**.

6 ECOLOGICAL MONITORING

Monitoring of Flora Species of Conservation Interest

6.1 In line with Section 8.3.2 of the EM&A Manual, a temporary protective barrier must be installed around the plant species of conservation significance identified in the detailed vegetation survey throughout the construction phase. This barrier should be well-maintained and regularly checked to ensure its effectiveness. Monthly checks of each plant species of conservation interest, as pinpointed in the detailed vegetation survey, are required during the construction phase to ensure that these species remain unaffected by the project's construction activities.

6.2 The monitoring aims to oversee the prompt execution of suitable environmental management practices and the application of mitigation measures concerning the preserved and relocated specimens of flora species of conservation interest. The correct setup and upkeep of the temporary protective fence surrounding these specimens were examined to assess its efficacy. The protective measures outlined in the approved transplantation proposal's implementation schedule were supervised.

6.3 As per the sanctioned detailed vegetation survey report and transplantation proposal, it was determined that 71 *Brainea insignis* specimens, 41 *Spiranthes sinensis* specimens, and 3 *Aquilaria sinensis* specimens should be relocated to the designated receiving site. Additionally, it was decided to preserve in situ 51 *Keteleeria fortunei* specimens, along with 26 small seedlings of *Keteleeria fortunei* and 7 small seedlings of *Aquilaria sinensis*, in the vicinity of Kong Nga Po Road near the Police Dog Unit and the Force Search Unit Training School.

Post-Transplantation Monitoring and Maintenance Programme

6.4 In line with the accepted transplantation proposal, the Contractor is mandated to carry out post-transplantation monitoring weekly for the first three months, and then monthly for the remainder of the 12-month establishment phase as well as the subsequent post-establishment phase, continuing until the construction phase of the Project concludes. This routine monitoring is critical for promptly identifying the growth condition of the transplanted species, any signs of construction work within or in the vicinity of the receptor site, and any changes in the environmental conditions of the receptor site.

6.5 For the initial year of acclimatization, it was advised to carry out maintenance activities to promote the robust growth of the transplanted species. Considering the state of the transplanted organisms following the 12-month establishment period, it was advised that maintenance activities continue through the Post-establishment Period until the completion

of the Construction Phase. It was recommended to water the transplants daily for the first three months following the move, as well as throughout periods of drought, to maintain soil moisture. Additional maintenance tasks, such as mulching and weeding, should be performed as necessary.

Results and Observations

6.6 During the reporting month, the Contractor carried out monthly evaluations of the flora species of conservation interest on the 24th of May 2024. The enforcement of the protective measures detailed in the approved transplantation proposal was reviewed, along with the maintenance of the temporary protective fencing. **Appendix H** contains the photographic documentation and checklists from the monthly assessments. The health of the transplanted and retained species was generally observed to be average to poor. The Contractor was urged to keep a vigilant eye on the transplanted species and to implement the protective measures as specified in the approved transplantation proposal to safeguard these species. Furthermore, the Contractor was given the following directives:

1) To provide new identification tags for any *Brainea insignis* that were missing them;

2) To substitute any plant labels at the receptor site that had become illegible due to fading;

3) To refer to the soil improvement guidelines published by the Greening, Landscape and Tree Management Section (GLTMS) of the Development Bureau (2022) for application in the monitoring and upkeep of the transplanted plant species;

4) To set up shade nets;

5) To ensure the soil remains moist by adhering to the necessary daily watering schedule.

Transplanted *Brainea insignis and Spiranthes sinensis*

6.7 From May 21st to 27th, 2020, 71 *Brainea insignis* specimens and 41 *Spiranthes sinensis* specimens were relocated to the receptor site. The detailed account of the transplantation process was compiled in a Transplantation Report and forwarded to ET(Wellab), IEC(Acuity), and the Supervisor (AECOM) for their examination and documentation. Monitoring after transplantation took place weekly for the initial three months (from June to August 2020) and then monthly throughout the subsequent 12-month establishment period, as well as the post-establishment phase, culminating with the conclusion of the construction phase of the Project. The Contractor was responsible for tracking the health of the transplanted species and carried out maintenance measures such as watering, mulching, and weeding during the first year to nurture the transplanted species' healthy development. Monitoring of the transplanted *Brainea insignis* and *Spiranthes sinensis* took place on May 24th, 2024, within the reporting period, with the findings documented in **Appendix H**. Particular attention was given to the transplanted *Brainea insignis* specimens that were impacted by a bushfire on February 2nd, 2021, with their progress detailed in the post-

transplantation monitoring records. The health of the preserved species was noted to be generally fair. The Contractor was advised to maintain vigilant monitoring of these species and to enforce the stipulated protective measures to ensure their continued preservation.

6.8 During the monthly checks, it was observed that there were no construction operations or storage of equipment taking place within the receptor site. The temporary protective barrier had been correctly installed and was being well-maintained to safeguard the transplanted species.

Precautionary Measure for Butterfly Species of Conservation Interest

6.9 As stipulated by FEP Condition 2.17, to reduce the impact on butterfly species of conservation concern, efforts shall be made to improve the new grassland habitats within the Project site. This enhancement shall be achieved by cultivating suitable plant species that serve as the larval food source for butterflies of conservation interest, like the Small Three-Ring, thereby supporting the well-being of these species.

6.10 The restoration of grassland zones within the Project must be completed prior to the initiation of the Project's operational phase. Information regarding the plant species to be used as larval food plants for butterflies, along with the design and execution details, will be subsequently provided under the building works contract of ArchSD.

Precautionary Measures to Minimize Indirect Disturbance on Ecology

6.11 As outlined in Section 9.7.3 of the EIA Report, implementing mitigation strategies for air, noise, water, waste, and landscaping can serve as preventative actions to avert and lessen any secondary effects of disturbance or pollution resulting from construction activities on the surrounding ecology and habitats outside the site. The Environmental Team (ET) conducted weekly site audits to oversee the prompt adoption of appropriate environmental management practices and the execution of mitigation measures at the Project site. The findings from these audits are consolidated in Section 7.3.

7 ENVIRONMENTAL SITE INSPECTION

Site Audits

7.1 The Environmental Team (ET) conducted site audits weekly to oversee the prompt adoption of appropriate environmental management practices and the execution of mitigation measures at the Contract site.

7.2 The Environmental Team (ET), along with representatives from the Client and the Contractor, conducted site audits on 2, 7, 13, 27 May 2024 of the reported month in 2024.

7.3 In the site inspections conducted over the reporting period, there were no particular environmental concerns noted. It should be recognized that these observations pertain solely to the moments of inspection. The findings and advice from these audits are compiled in **Table 7.1**. The absence of identified environmental issues during the joint site inspections does not exempt the Contractor from their obligation to adhere strictly to all legal requirements, the Particular Specifications, and the Environmental Monitoring and Audit (EM&A) Manual.

Table 7.1 Observations of Weekly site Inspection and advice

Parameters	Date	Observations	Advice
Construction Noise Impact	23-5-2024	QPME label missed	QPME label shown
Water Quality	23-5-2024	The storage of chemicals should be in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes and maintained at all times by the Contractor	The cupboard or cabinet should be provided for storage of chemicals
Others	23-5-2024	1)The stockpiling of construction materials is not properly covered	1)The stockpiling of construction materials needs to be properly covered
		2) The gully is not entirely sealed off to prevent the ingress of muddy water	2)Filter sheeting is used to cover the gully to prevent the ingress of muddy water.
		3) The water hose pipe is damaged, and leakage is observed.	3) The damaged water hose is repaired or replaced with a new one.
		4) The haul road design is near gully. Muddy water would flow into gully easily.	4) Haul road should not be in close proximity to gully

		5) Gully is not sealed off to prevent ingress of muddy water.	5) Filter sheeting is used cover gully to prevent ingress of muddy water.

Implementation Status of Environmental Mitigation Measures

7.4 In accordance with the EIA Report and the Project's EM&A Manual, the outlined mitigation measures are recommended to be implemented throughout the construction phase. An overview of the Environmental Mitigation Implementation Schedule (EMIS) is available in **Appendix K.**

Solid and Liquid Waste Management Status

7.5 Pursuant to the EM&A Manual, waste management practices were reviewed in the weekly site audits to assess compliance with the Project's Waste Management Plan (WMP) and pertinent legal and contractual obligations. The auditing process encompassed the examination of waste handling, storage, transport, and disposal methods.

7.6 The Contractor has appointed Environmental Officers on-site to manage environmental aspects, implement pollution control strategies, maintain proper site conduct, and educate workers on waste management. Efforts to reduce waste production include actively using Construction and Demolition (C&D) materials. Excavated materials have been sorted and screened on-site to salvage any recyclables. Non-reactive C&D materials were utilized on-site for backfill and to construct the haul road surface. Furthermore, inert materials from excavation activities were repurposed as fill in other local projects. Excess inert C&D materials were sent to the Government’s public fill reception facilities (PFRFs) for use in other projects. To oversee the disposal of inert and non-inert C&D materials and prevent illegal dumping, a system is in place where all materials are weighed by a weighbridge before leaving the site, and the Trip Ticket System is rigorously enforced.

7.7 Contractor is encouraged to reduce waste production by recycling or reusing materials. It is imperative that all the mitigation strategies outlined in the EM&A Manual and the waste management plans be thoroughly executed. A summary of the progress in implementing waste management and reduction strategies is provided in **Appendix K**.

7.8 This Project produces inert Construction and Demolition (C&D) materials as well as non-inert C&D materials. The non-inert variety consists of general refuse and other waste materials that cannot be repurposed or recycled, necessitating disposal at assigned landfill locations. Data detailing the volume of waste resulting from the Project's construction activities over the reporting period can be found in **Appendix L**.

8 ENVIRONMENTAL NON-CONFORMANCE

Summary of Exceedances

8.1 During the reporting month, there were no instances where the air quality exceeded the established Action and Limit Levels.

8.2 There were no instances of construction noise surpassing the designated Action and Limit Levels in the reporting period.

8.3 If the monitoring data from any specific stations reveal that environmental parameters have surpassed the Action/Limit Levels, then the procedures outlined in the Event and Action Plans in **Appendix I** should be executed. A summary of any exceedance records for the reporting month can be found in **Appendix J.**

Summary of Environmental Non-Compliance

8.4 There were no records of environmental compliance breaches during the reported month.

Summary of Environmental Complaint

8.5 In the month under review, no complaints were registered. A log of all complaints accumulated since the start of the Project is compiled in **Appendix M**.

Summary of Environmental Summon and Successful Prosecution

8.6 Since the beginning of the Project, there have been no instances of successful environmental prosecution or receipt of summons. A comprehensive record of all environmental summonses and successful prosecutions since the Project's inception is documented in **Appendix N**.

9 FUTURE KEY ISSUES

Key Issues in the Coming Three Months

9.1 **Appendix A** contains the provisional construction schedules for the Project. Over the next three months, the principal construction tasks to be carried out will include:

1. Open cut excavation
2. Removal of soil
3. Construction of footings
4. Construction of pile cap
5. Construction of substructure
6. Construction of footbridge
7. Backfilling
8. Mock up construction
9. U.U. Lead in and Pipe Duct Connection

9.2 Referring to the site layout plan found in **Appendix A**, which details the expected construction activities for the next three months, the primary environmental concerns related to these activities are likely to be construction dust, noise, water quality, waste management, landscape and visual aesthetics, and ecological impacts. The anticipated environmental effects have been factored into the mitigation strategies planned for the upcoming months.

9.3 The Contractor has advised mitigation measures for the next three months, which the Environmental Team (ET), Independent Environmental Checker (IEC), and the Client's Representative have reviewed through email correspondence during site audits. The Proactive Environmental Protection Proforma, which outlines the key site activities, potential environmental impacts, and advised mitigation strategies, has been examined and verified by the IEC and is displayed in **Appendix A**.

9.4 During construction and in periods of dry weather, dust can arise from work activities and uncovered site areas. To mitigate dust emissions that could affect nearby villages, the Contractor is advised to diligently apply air quality control measures as outlined in the layout plan in **Appendix A**, to the greatest extent possible. Moreover, the Contractor is reminded to adhere to the Project Implementation Schedule detailed in the approved EIA report/EM&A Manual, implementing suitable dust suppression tactics to curb emissions from intensive construction tasks such as ground excavation and earth moving. This includes managing all active work areas, bare site surfaces, and unpaved roads, especially under dry conditions, by covering 80% of stockpiled materials with impervious coverings and by moistening dusty substances with water just before loading and transfer activities. This ensures materials remain damp during handling in stockpile regions. Additionally, the

Contractor must adhere to the prescribed dust control methods under the Air Pollution Control (Construction Dust) Regulation to prevent negative dust impacts from the Project's construction activities.

9.5 Furthermore, construction noise represents a significant environmental concern during the Project's development. It is important to implement noise reduction strategies, such as utilizing quiet machinery and installing noise barriers where relevant. The Contractor has been prompted to regularly inspect and upkeep the sound-dampening materials on noisy sections of plant and machinery, ensuring there are no openings in the noise barriers. They should also actively recognize any potential construction noise impacts to Noise Sensitive Receivers (NSRs) and introduce adequate mitigation measures when required. Additionally, residents in the nearby Kong Nga Po village should be informed in advance about any potentially noisy activities at the work site.

9.6 The Contractor is advised to uphold measures that protect water quality throughout the construction process. This includes constructing barriers such as dikes or embankments to prevent flooding around the perimeters of areas where soil is being moved or excavated. Provision should be made for temporary channels to direct runoff effectively into a designated watercourse via a trap designed to capture sediment from the site. These sediment/silt traps should also be integrated into the permanent drainage systems to improve the settling of particulates. It is essential to utilize effective silt removal systems to ensure that the effluent treated by the wastewater treatment plant complies with the standards specified in the WPCO licenses. The Wastewater Discharge Layout Plan, as shown in **Appendix Q** and provided by the Contractor, outlines the specific pathways through which wastewater is to be conveyed from its source to a treatment facility or point of discharge

Monitoring Schedule for the Next Month

9.7 **Appendix D** displays the provisional schedule for environmental monitoring activities planned for the upcoming month.

10 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

10.1 This Monthly EM&A Report details the environmental monitoring and audit (EM&A) activities conducted in May 2024, following the guidelines set out in the EM&A Manual.

10.2 During the month in question, air quality monitoring did not register any instances of surpassing the Action/Limit Levels.

10.3 No instances of construction noise exceeding the established Action/Limit Levels were documented in the reporting month's monitoring records.

10.4 Site inspections focusing on environmental aspects took place on the 2, 7, 13 and 27 May 2024. Additionally, monitoring of landscape and visual impacts was performed on the 2, 7, 13 and 27 May 2024, and ecological monitoring was conducted on the 29 May 2024 by ET within the reporting month. The Contractor also conducted monitoring on 24 May 2024. There were no records of environmental non-compliance for the reporting month. It should be noted that the absence of any particular environmental issues during the joint site inspections does not exempt the Contractor from their obligation to adhere fully to all legal requirements, the specifications outlined in the contract, and the procedures in the EM&A Manual.

10.5 During the reporting month, there were no complaints lodged, nor were there any notices of summons or records of successful legal actions received.

10.6 The Environmental Team (ET) will persist in overseeing the Environmental Monitoring and Audit (EM&A) program. All environmental obligations are fulfilled, and the necessary mitigation measures are properly executed.

Recommendations

10.7 Based on the environmental audits conducted during the reporting month, the subsequent advice was put forward:

Air Quality Impact

- To enhance the dust suppression measures including watering for the dust generation works, exposed site area and haul road;
- To minimize the indirect impacts on air quality resulting from the operation of machineries on the construction site, one of the measures to be adopted is the use of biodiesel B100; and

- To regular check the valid NRMM labels are properly displayed on the regulated machines and non-road vehicles

Construction Noise

- To refer to the ISO 12001:1996 or other comprehensive practices and subsequently develop a thorough inspection and maintenance protocol for the plant and equipment, maintaining a focus on Noise Control; and
- To maintain temporary noise barriers for operations of noisy equipment near the noise sensitive receivers, if necessary.

Water Impact

- To maintain the cover for open stockpile of and exposed slope;
- To keep reviewing and updating temporary drainage system;
- To maintain the earth bunds or sand bag barriers on site to direct stormwater to silt removal facilities; and
- To divert the muddy water at the retention pond to the wetsep for treatment before discharging out.

Waste/Chemical Management

- To check for any accumulation of waste materials or rubbish on site; and
- To avoid improper handling, storage and dispose of oil drums or chemical containers on site.

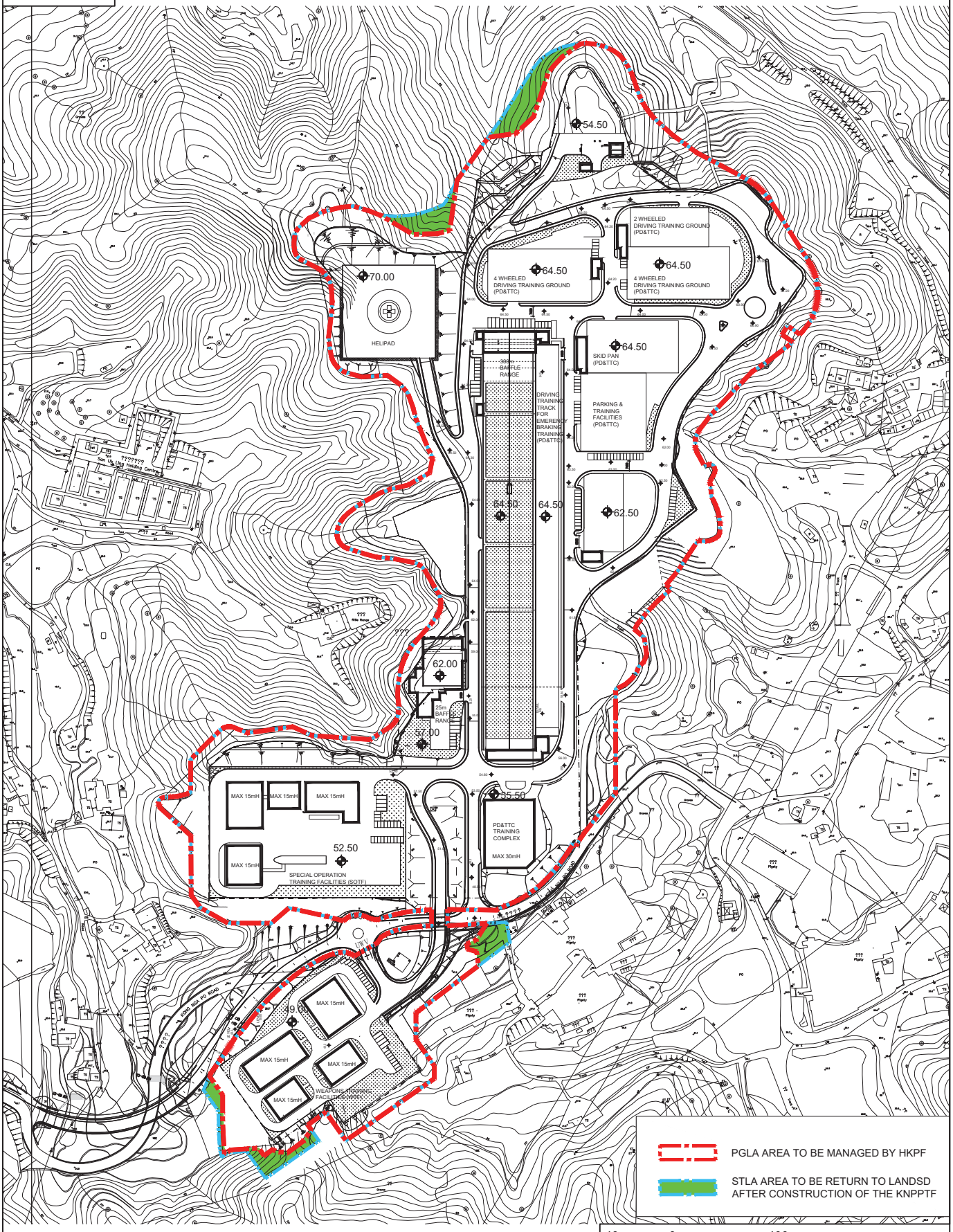
Ecology

- To maintain soil moisture, daily watering is required;
- To install a shaded net;
- To refer to the Guidelines on Soil Improvement issued by the Greening, Landscape and Tree Management Section (GLTMS) of the Development Bureau (2022) for the effective monitoring and maintenance of transplanted flora species; and
- The wild plants that are growing in undesirable areas should be removed, as they compete with the cultivated flora species of conservation interest.

Landscape and Visual

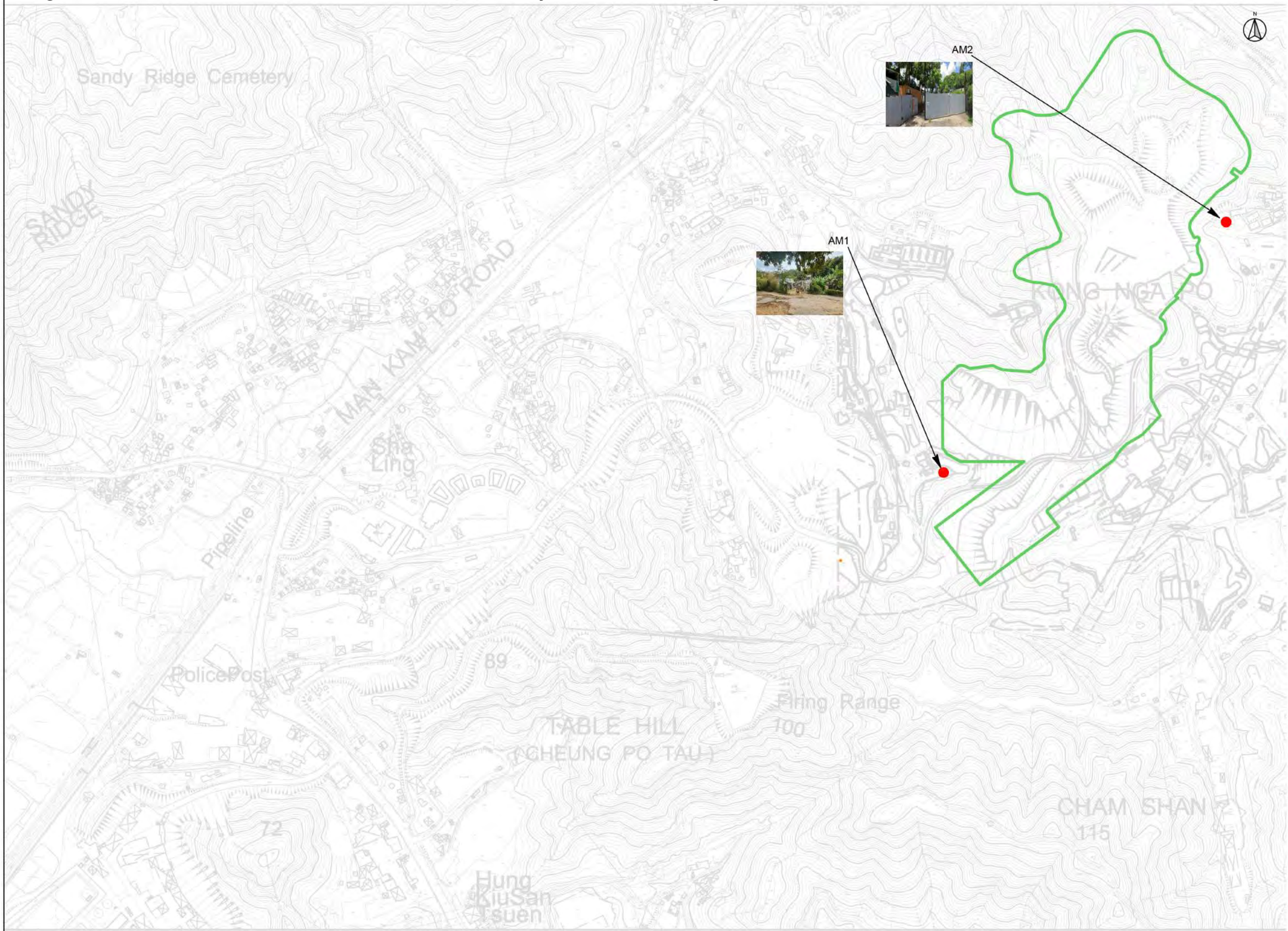
- To remove the construction materials within the tree protection zone; and
- To keep the tree protection zone large enough to protect the tress.

FIGURE(S)



MASTER LAYOUT PLAN	PROJECT CODE: 3279LP PROPOSED MLP FOR KONG NGA PO TRAINING FACILITIES	DRAWING NO. PMB/8480/XA001	SCALE: 1:400 DATE: AUGUST 2021	ARCHITECTURAL SERVICES DEPARTMENT 建 築 署

Figure 2 Location of Air Quality Monitoring Stations



KEY PLAN
SCALE: 1/50000

LEGENDS:

KONG NAG PO SITE BOUNDARY

AIR QUALITY MONITORING STATIONS

AIR QUALITY MONITORING STATIONS	
I.D	Description
AM1	Village House, Kong Nga Po
AM2	Village House, Kong Nga Po

CLIENT

建築署
Architectural Services Department

Environmental Team

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Rev.	Description	Date
2	SECOND ISSUE	03/2023
1	FIRST ISSUE	03/2023

Project Title

PROVISION OF ENVIRONMENTAL TEAM CONSULTANCY FOR DESIGN AND CONSTRUCTION OF KONG NGA PO POLICE TRANING FACILITIES

Drawing Title

KONG NGA PO ROAD
AIR QUALITY MONITORING STATIONS

Drawing Status

Project Ref. -	File Ref. -
Drawn by JC	Checked by RH
Scale 1:40000	Paper Size A3
Date	Revision -

Drawing Number

KASHING-KNPR-DWG-002

Figure 3 Location of Noise Monitoring Stations

KEY PLAN
SCALE: 1/50000

LEGENDS:
- KONG NAG PO SITE BOUNDARY
- NOISE MONITORING STATIONS

NOISE MONITORING STATIONS	
I.D	Description
NM9	Village House, Kong Nga Po
NM10	Village House, Kong Nga Po
NM11	Village House, Kong Nga Po
NM12	Village House, Kong Nga Po
NM13	Village House, Kong Nga Po
NM14	Village House, near Man Kam To Road

CLIENT
建築署 Architectural Services Department

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Rev.	Description	Date
2	SECOND ISSUE	03/2023
1	FIRST ISSUE	03/2023

Project Title
PROVISION OF ENVIRONMENTAL TEAM CONSULTANCY FOR DESIGN AND CONSTRUCTION OF KONG NGA PO POLICE TRANING FACILITIES

Drawing Title
KONG NGA PO ROAD
NOISE MONITORING STATION

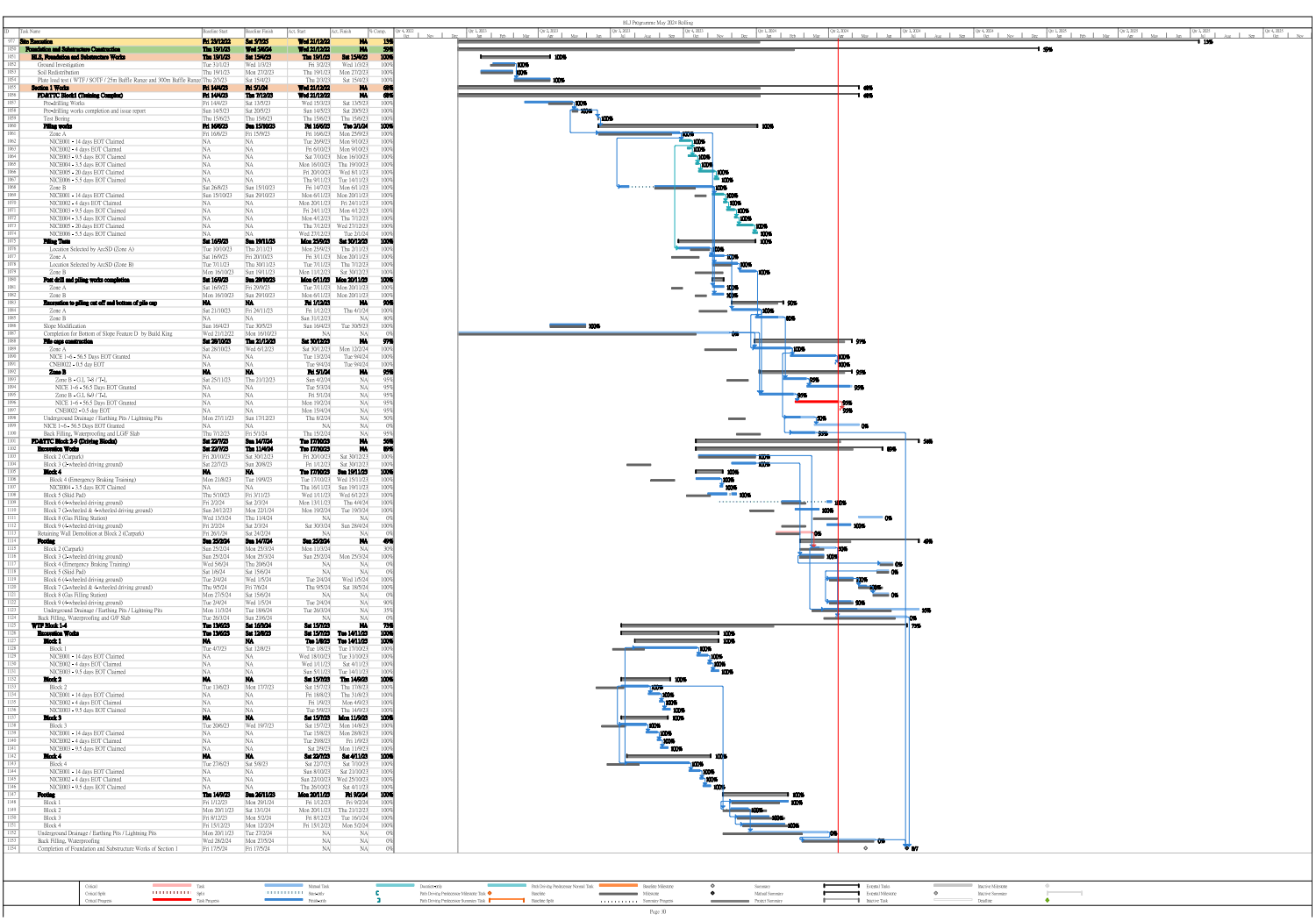
Drawing Status

Project Ref. -	File Ref. --
Drawn by JC	Checked by RH
Scale 1:40000	Paper Size A3
Date	Revision -

Drawing Number
KASHING-KNPR-DWG-003

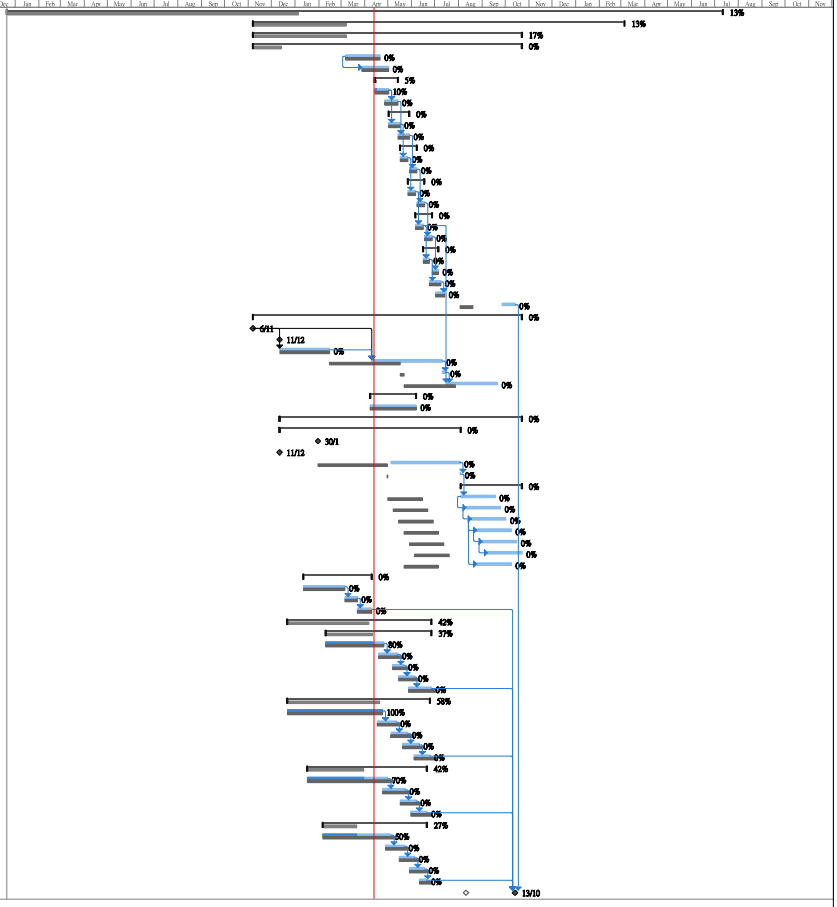
APPENDIX A
CONSTRUCTION PROGRAMME AND PROACTIVE ENVIRONMENTAL PROTECTION PROFORMA

Construction Programme
(Jun – Aug 2024)



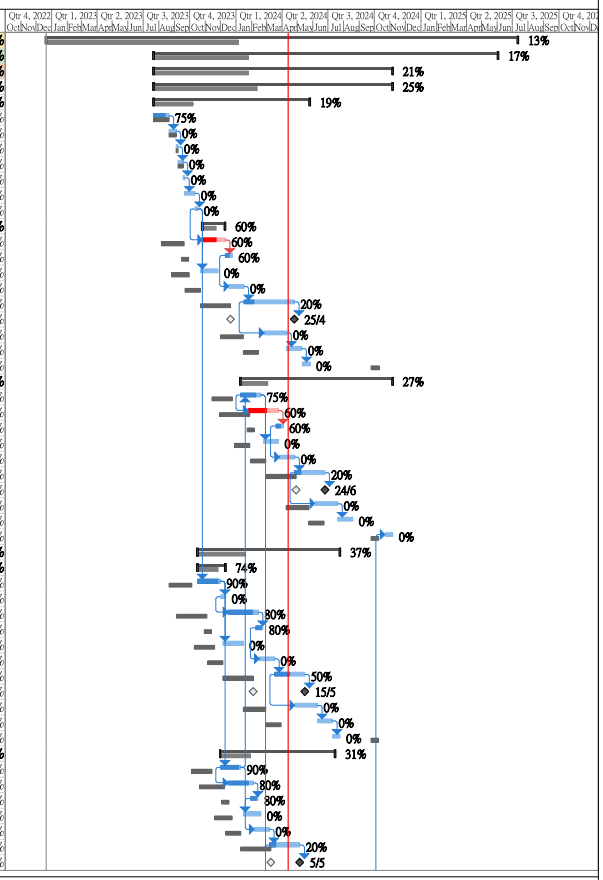
ID	Task Name	Baseline Start	Baseline Finish	Act. Start	Act. Finish	% Comp.
977	**Site Excavation**	**Fri 25/11/22**	**Sat 5/7/25**	**Wed 21/12/22**	**NA**	**15%**
1050	**Foundation and Substructure Construction**	**Thu 19/1/23**	**Wed 5/8/26**	**Wed 21/12/22**	**NA**	**39%**
1051	**RLJL Foundation and Substructure Works**	**Thu 19/1/23**	**Sat 15/4/23**	**Thu 19/1/23**	**Sat 15/4/23**	**100%**
1052	Ground Investigation	Tue 31/1/23	Wed 1/3/23	Fri 3/2/23	Wed 1/3/23	100%
1053	Soil Redistribution	Thu 19/1/23	Mon 27/2/23	Thu 19/1/23	Mon 27/2/23	100%
1054	Plate load test (WTP / SOTF / 25m Baffle Range and 300m Baffle Range)	Thu 2/3/23	Sat 15/4/23	Thu 2/3/23	Sat 15/4/23	100%
1055	**Section 1 Works**	**Fri 14/4/23**	**Fri 5/7/24**	**Wed 21/12/22**	**NA**	**68%**
1056	**FOATTC Block1 (Training Complex)**	**Fri 14/4/23**	**Sat 7/12/24**	**Wed 21/12/22**	**NA**	**69%**
1057	Pre-drilling Works	Fri 14/4/23	Sat 13/5/23	Wed 15/3/23	Sat 13/5/23	100%
1058	Pre-drilling works completion and issue report	Sun 14/5/23	Sat 20/5/23	Sun 14/5/23	Sat 20/5/23	100%
1059	Test Boring	Thu 15/9/23	Thu 15/9/23	Thu 15/6/23	Thu 15/9/23	100%
1060	**Piling works**	**Fri 16/6/23**	**Sun 15/10/23**	**Fri 16/6/23**	**Tue 3/1/24**	**100%**
1061	Zone A	Fri 16/6/23	Fri 15/9/23	Fri 16/6/23	Mon 25/9/23	100%
1062	NICB001 - 14 days EOT Claimed	NA	NA	Tue 20/9/23	Mon 9/10/23	100%
1063	NICB002 - 4 days EOT Claimed	NA	NA	Fri 6/10/23	Mon 9/10/23	100%
1064	NICB003 - 9.5 days EOT Claimed	NA	NA	Sat 7/10/23	Mon 16/10/23	100%
1065	NICB004 - 3.5 days EOT Claimed	NA	NA	Mon 16/10/23	Thu 19/10/23	100%
1066	NICB005 - 20 days EOT Claimed	NA	NA	Fri 20/10/23	Wed 8/11/23	100%
1067	NICB006 - 5.5 days EOT Claimed	NA	NA	Thu 9/11/23	Tue 14/11/23	100%
1068	Zone B	Sat 26/8/23	Sun 15/10/23	Fri 14/7/23	Mon 6/11/23	100%
1069	NICB001 - 14 days EOT Claimed	Sun 15/10/23	Sun 29/10/23	Mon 6/11/23	Mon 20/11/23	100%
1070	NICB002 - 4 days EOT Claimed	NA	NA	Mon 20/11/23	Fri 24/11/23	100%
1071	NICB003 - 9.5 days EOT Claimed	NA	NA	Fri 24/11/23	Mon 4/12/23	100%
1072	NICB004 - 3.5 days EOT Claimed	NA	NA	Mon 4/12/23	Thu 7/12/23	100%
1073	NICB005 - 20 days EOT Claimed	NA	NA	Thu 7/12/23	Wed 27/12/23	100%
1074	NICB006 - 5.5 days EOT Claimed	NA	NA	Wed 27/12/23	Tue 2/1/24	100%
1075	**Piling Tests**	**Sat 16/9/23**	**Sun 19/11/23**	**Mon 25/9/23**	**Sat 30/12/23**	**100%**
1076	Location Selected by ArcSD (Zone A)	Tue 10/10/23	Thu 2/11/23	Mon 25/9/23	Thu 2/11/23	100%
1077	Zone A	Sat 16/9/23	Fri 20/10/23	Fri 3/11/23	Mon 20/11/23	100%
1078	Location Selected by ArcSD (Zone B)	Tue 31/1/23	Thu 30/11/23	Tue 31/1/23	Thu 7/12/23	100%
1079	Zone B	Mon 16/10/23	Sun 19/11/23	Mon 13/11/23	Sat 30/12/23	100%
1080	**Pot drill and piling works completion**	**Sat 16/9/23**	**Sun 29/10/23**	**Mon 6/11/23**	**Mon 20/11/23**	**100%**
1081	Zone A	Sat 16/9/23	Fri 29/9/23	Tue 7/11/23	Mon 20/11/23	100%
1082	Zone B	Mon 16/10/23	Sun 29/10/23	Mon 6/11/23	Mon 20/11/23	100%
1083	**Excavation to pilling cut off and bottom of pile cap**	**NA**	**NA**	**Fri 1/12/23**	**NA**	**95%**
1084	Zone A	Sat 21/10/23	Fri 24/11/23	Fri 1/12/23	Thu 4/1/24	100%
1085	Zone B	NA	NA	Sun 31/12/23	NA	80%
1086	Slope Modification	Sun 16/4/23	Tue 30/5/23	Sun 16/4/23	Tue 30/5/23	100%
1087	Completion for Bottom of Slope Feature D by Build King	Wed 21/12/22	Mon 19/10/23	NA	NA	0%
1088	**Pile caps construction**	**Sat 28/10/23**	**Thu 25/12/25**	**Sat 30/12/23**	**NA**	**97%**
1089	Zone A	Sat 28/10/23	Wed 6/12/23	Sat 30/12/23	Mon 12/2/24	100%
1090	NICE 1~6 - 56.5 Days EOT Granted	NA	NA	Tue 13/2/24	Tue 9/4/24	100%
1091	CNE0022 - 0.5 day EOT	NA	NA	Tue 9/4/24	Tue 9/4/24	100%
1092	**Zone B**	**NA**	**NA**	**Fri 5/1/24**	**NA**	**95%**
1093	Zone B - G1, T4 / T4	Sat 25/11/23	Thu 21/12/23	Sun 4/2/24	NA	95%
1094	NICE 1~6 - 56.5 Days EOT Granted	NA	NA	Tue 5/3/24	NA	95%
1095	Zone B - G1, G3 / T4,	NA	NA	Fri 5/1/24	NA	95%
1096	NICE 1~6 - 56.5 Days EOT Granted	NA	NA	Mon 19/2/24	NA	95%
1097	CNE0022 - 0.5 day EOT	NA	NA	Mon 15/4/24	NA	95%
1098	Underground Drainage / Earthing Pits / Lightning Pits	Mon 27/11/23	Sun 17/12/23	Thu 8/2/24	NA	50%
1099	NICE 1~6 - 56.5 Days EOT Granted	NA	NA	NA	NA	0%
1100	Back Filling, Waterproofing and LGF Slab	Thu 7/12/23	Fri 5/1/24	Thu 15/2/24	NA	45%
1101	**FOATTC Block 2-9 (Driving Blocks)**	**Sat 23/7/23**	**Sun 14/7/24**	**Tue 17/10/23**	**NA**	**58%**
1102	**Excavation Works**	**Sat 22/7/23**	**Thu 13/4/24**	**Tue 17/10/23**	**NA**	**89%**
1103	Block 2 (Carpark)	Fri 20/10/23	Sat 30/12/23	Fri 20/10/23	Sat 30/12/23	100%
1104	Block 3 (5~6wheled driving ground)	Sat 22/7/23	Sun 20/8/23	Fri 1/12/23	Sat 30/12/23	100%
1105	**Block 4**	**NA**	**NA**	**Tue 17/10/23**	**Sun 19/11/23**	**100%**
1106	Block 4 (Emergency Braking Training)	Mon 21/8/23	Tue 19/9/23	Tue 17/10/23	Wed 15/11/23	100%
1107	NICB004 - 3.5 days EOT Claimed	NA	NA	Thu 16/11/23	Sun 19/11/23	100%
1108	Block 5 (Skid Pad)	Thu 5/10/23	Fri 3/11/23	Wed 1/11/23	Wed 6/12/23	100%
1109	Block 6 (6~wheled driving ground)	Fri 2/2/24	Sat 2/3/24	Mon 13/11/23	Thu 4/4/24	100%
1110	Block 7 (3~wheled & 4~wheled driving ground)	Sun 24/12/23	Mon 22/1/24	Mon 19/2/24	Tue 19/3/24	100%
1111	Block 8 (Gas Filling Station)	Wed 15/5/24	Thu 11/4/24	NA	NA	0%
1112	Block 9 (4~wheled driving ground)	Fri 2/2/24	Sat 2/3/24	Sat 30/3/24	Sun 28/4/24	100%
1113	Returning Wall Demolition at Block 2 (Carpark)	Fri 26/1/24	Sat 24/2/24	NA	NA	0%
1114	**Footing**	**Sun 25/2/24**	**Sun 14/7/24**	**Sun 25/2/24**	**NA**	**45%**
1115	Block 2 (Carpark)	Sun 25/2/24	Mon 25/3/24	Mon 11/3/24	NA	30%
1116	Block 3 (5~6wheled driving ground)	Sun 25/2/24	Mon 25/3/24	Sun 25/2/24	Mon 25/3/24	100%
1117	Block 4 (Emergency Braking Training)	Wed 5/6/24	Thu 20/6/24	NA	NA	0%
1118	Block 5 (Skid Pad)	Sat 1/6/24	Sat 15/6/24	NA	NA	0%
1119	Block 6 (6~wheled driving ground)	Tue 2/4/24	Wed 1/5/24	Tue 2/4/24	Wed 1/5/24	100%
1120	Block 7 (3~wheled & 4~wheled driving ground)	Thu 9/5/24	Fri 7/6/24	Thu 9/5/24	Sat 18/5/24	100%
1121	Block 8 (Gas Filling Station)	Mon 27/5/24	Sat 15/6/24	NA	NA	0%
1122	Block 9 (4~wheled driving ground)	Tue 2/4/24	Wed 1/5/24	Tue 2/4/24	NA	90%
1123	Underground Drainage / Earthing Pits / Lightning Pits	Mon 11/3/24	Tue 18/6/24	Tue 26/3/24	NA	35%
1124	Back Filling, Waterproofing and GIP Slab	Tue 2/7/24	Sun 21/6/26	NA	NA	0%
1125	**WTP Block 1-4**	**Tue 15/6/23**	**Sat 1/6/24**	**Sat 15/7/23**	**NA**	**73%**
1126	**Excavation Works**	**Tue 15/6/23**	**Sat 12/8/23**	**Sat 15/7/23**	**Tue 14/11/23**	**100%**
1127	**Block 1**	**NA**	**NA**	**Tue 1/8/23**	**Tue 14/11/23**	**100%**
1128	Block 1	Tue 4/7/23	Sat 12/8/23	Tue 1/8/23	Tue 17/10/23	100%
1129	NICB001 - 14 days EOT Claimed	NA	NA	Wed 18/10/23	Tue 31/10/23	100%
1130	NICB002 - 4 days EOT Claimed	NA	NA	Wed 1/11/23	Sat 4/11/23	100%
1131	NICB003 - 9.5 days EOT Claimed	NA	NA	Sun 5/11/23	Tue 14/11/23	100%
1132	**Block 2**	**NA**	**NA**	**Sat 15/7/23**	**Tue 14/8/23**	**100%**
1133	Block 2	Tue 13/6/23	Mon 17/7/23	Sat 15/7/23	Thu 17/8/23	100%
1134	NICB001 - 14 days EOT Claimed	NA	NA	Fri 18/8/23	Tue 5/9/23	100%
1135	NICB002 - 4 days EOT Claimed	NA	NA	Fri 1/9/23	Mon 4/9/23	100%
1136	NICB003 - 9.5 days EOT Claimed	NA	NA	Tue 5/9/23	Thu 14/9/23	100%
1137	**Block 3**	**NA**	**NA**	**Sat 15/7/23**	**Mon 13/9/23**	**100%**
1138	Block 3	Tue 20/6/23	Wed 19/7/23	Sat 15/7/23	Mon 14/8/23	100%
1139	NICB001 - 14 days EOT Claimed	NA	NA	Tue 15/8/23	Mon 28/8/23	100%
1140	NICB002 - 4 days EOT Claimed	NA	NA	Tue 29/8/23	Fri 1/9/23	100%
1141	NICB003 - 9.5 days EOT Claimed	NA	NA	Sat 2/9/23	Mon 11/9/23	100%
1142	**Block 4**	**NA**	**NA**	**Sat 22/7/23**	**Sat 4/11/23**	**100%**
1143	Block 4	Tue 27/6/23	Sat 5/8/23	Sat 22/7/23	Sat 7/10/23	100%
1144	NICB001 - 14 days EOT Claimed	NA	NA	Sun 8/10/23	Sat 21/10/23	100%
1145	NICB002 - 4 days EOT Claimed	NA	NA	Sun 22/10/23	Wed 25/10/23	100%
1146	NICB003 - 9.5 days EOT Claimed	NA	NA	Thu 26/10/23	Sat 4/11/23	100%
1147	**Footing**	**Tue 14/9/23**	**Sun 26/11/23**	**Mon 20/11/23**	**Fri 5/12/25**	**100%**
1148	Block 1	Fri 1/12/23	Mon 29/1/24	Fri 1/12/23	Fri 9/2/24	100%
1149	Block 2	Mon 20/11/23	Sat 13/1/24	Mon 20/11/23	Thu 21/12/23	100%
1150	Block 3	Fri 8/12/23	Mon 5/2/24	Fri 8/12/23	Thu 19/12/24	100%
1151	Block 4	Fri 15/12/23	Mon 12/2/24	Fri 15/12/23	Mon 5/2/24	100%
1152	Underground Drainage / Earthing Pits / Lightning Pits	Mon 20/11/23	Tue 27/2/24	NA	NA	0%
1153	Back Filling, Waterproofing	Wed 28/2/24	Mon 27/5/24	NA	NA	0%
1154	Completion of Foundation and Substructure Works of Section 1	Fri 17/5/24	Fri 17/5/24	NA	NA	0%

ID	Task Name	Baseline Start	Baseline Finish	Act. Start	Act. Finish	% Comp.
977	**Site Execution**	**Fri 23/12/22**	**Sat 5/7/25**	**Wed 21/12/22**	**NA**	**13%**
1167	**Superstructure Construction**	**Sun 29/10/23**	**Wed 5/3/25**	**Mon 6/11/23**	**NA**	**13%**
1168	**Section 1 Works**	**Sun 29/10/23**	**Sat 14/9/24**	**Mon 6/11/23**	**NA**	**17%**
1169	**PD&TTC Block 1 (Cast in-situ + recess opening method)**	**Mon 6/11/23**	**Tue 5/11/24**	**Mon 6/11/23**	**NA**	**0%**
1170	Embed of Glass Wall Fabrication and Dilevery	Thu 7/3/24	Sat 20/4/24	NA	NA	0%
1171	Embed of Glass Wall Installation	Thu 28/3/24	Wed 1/5/24	NA	NA	0%
1172	**G/F**	**Sun 14/4/24**	**Mon 13/5/24**	**Sun 14/4/24**	**NA**	**5%**
1173	Portion A	Sun 14/4/24	Wed 1/5/24	Sun 14/4/24	NA	10%
1174	Portion B	Sat 27/4/24	Mon 13/5/24	NA	NA	0%
1175	**1/F**	**Thu 2/5/24**	**Tue 28/5/24**	**NA**	**NA**	**0%**
1176	Portion A	Thu 2/5/24	Thu 16/5/24	NA	NA	0%
1177	Portion B	Tue 14/5/24	Tue 28/5/24	NA	NA	0%
1178	**2/F**	**Fri 17/5/24**	**Fri 7/6/24**	**NA**	**NA**	**0%**
1179	Portion A	Fri 17/5/24	Sun 26/5/24	NA	NA	0%
1180	Portion B	Wed 29/5/24	Fri 7/6/24	NA	NA	0%
1181	**3/F**	**Mon 27/5/24**	**Mon 17/6/24**	**NA**	**NA**	**0%**
1182	Portion A	Mon 27/5/24	Wed 5/6/24	NA	NA	0%
1183	Portion B	Sat 8/6/24	Mon 17/6/24	NA	NA	0%
1184	**4/F**	**Thu 6/6/24**	**Thu 27/6/24**	**NA**	**NA**	**0%**
1185	Portion A	Thu 6/6/24	Sat 15/6/24	NA	NA	0%
1186	Portion B	Tue 18/6/24	Thu 27/6/24	NA	NA	0%
1187	**R/F**	**Sun 16/6/24**	**Fri 5/7/24**	**NA**	**NA**	**0%**
1188	Portion A	Sun 16/6/24	Sun 23/6/24	NA	NA	0%
1189	Portion B	Fri 28/6/24	Fri 5/7/24	NA	NA	0%
1190	UR/F	Mon 24/6/24	Mon 8/7/24	NA	NA	0%
1191	TR/F	Tue 2/7/24	Sat 13/7/24	NA	NA	0%
1192	Late Cast RC Works for the Opening of Tower Crane	Sat 3/8/24	Mon 19/8/24	NA	NA	0%
1193	**Steel MiC Installation (Lifting through opening + Slide-in method)**	**Mon 6/11/23**	**Tue 5/11/24**	**NA**	**NA**	**0%**
1194	Structural Materials Submission & Approval	Mon 6/11/23	Mon 6/11/23	NA	NA	0%
1195	Fitting Out Materials Submission & Approval	Mon 11/12/23	Mon 11/12/23	NA	NA	0%
1196	Structural materials Ordering and Fabrication of MiC Carcass	Tue 12/12/23	Wed 14/2/24	NA	NA	0%
1197	MiC Fabrication / Installation and Dilevery on Site	Thu 15/2/24	Thu 16/5/24	NA	NA	0%
1198	On-site Trial Installation	Fri 17/5/24	Tue 21/5/24	NA	NA	0%
1199	MiC and MiMep Installation , Late Cast RC Works	Wed 22/5/24	Sat 27/7/24	NA	NA	0%
1200	**PD&TTC Carpark**	**Sun 9/6/24**	**Tue 5/11/24**	**NA**	**NA**	**0%**
1201	Block 2 Carpark	Mon 8/4/24	Thu 6/6/24	NA	NA	0%
1202	**PD&TTC Block 2-9**	**Mon 11/12/23**	**Fri 19/7/24**	**NA**	**NA**	**0%**
1203	**RC MiC Fabrication**	**Mon 11/12/23**	**Tue 30/4/24**	**NA**	**NA**	**0%**
1204	Structural Materials Submission& Approval	Tue 30/1/24	Tue 30/1/24	NA	NA	0%
1205	Fitting Out Materials Submission& Approval	Mon 11/12/23	Mon 11/12/23	NA	NA	0%
1206	Structural materials Ordering and Fabrication of MiC Carcass	Wed 31/1/24	Mon 29/4/24	NA	NA	0%
1207	Ready for Dilevery on Site	Tue 30/4/24	Tue 30/4/24	NA	NA	0%
1208	**MiC Installation and Site Works**	**Wed 1/5/24**	**Fri 19/7/24**	**NA**	**NA**	**0%**
1209	Block 3 (2-wheeled driving ground) (12Nos.of MiC)	Wed 1/5/24	Fri 14/6/24	NA	NA	0%
1210	Block 4 (Emergency Braking Training) (14Nos.of MiC)	Wed 8/5/24	Fri 21/6/24	NA	NA	0%
1211	Block 5 (Skid Pad) (26Nos.of MiC)	Wed 15/5/24	Fri 28/6/24	NA	NA	0%
1212	Block 6 (4-wheeled driving ground) (9Nos.of MiC)	Wed 22/5/24	Fri 5/7/24	NA	NA	0%
1213	Block 7 (2-wheeled & 4-wheeled driving ground) (11Nos.of MiC	Wed 29/5/24	Fri 12/7/24	NA	NA	0%
1214	Block 8 (Gas Filling Station) (10Nos.of MiC)	Wed 5/6/24	Fri 19/7/24	NA	NA	0%
1215	Block 9 (4-wheeled driving ground) (5Nos.of MiC)	Wed 22/5/24	Fri 5/7/24	NA	NA	0%
1216	**Fuel filling Station**	**Fri 12/1/24**	**Tue 9/4/24**	**NA**	**NA**	**0%**
1217	Underground fuel tank	Fri 12/1/24	Tue 5/3/24	NA	NA	0%
1218	Backfilling and G/F slab	Wed 6/3/24	Thu 21/3/24	NA	NA	0%
1219	Fuel station superstructure	Fri 22/3/24	Tue 9/4/24	NA	NA	0%
1220	**WTF Block 1-4**	**Fri 22/12/23**	**Wed 26/6/24**	**Fri 22/12/23**	**NA**	**42%**
1221	**Block 1 (Admin Block)**	**Sat 10/2/24**	**Wed 26/6/24**	**Sat 10/2/24**	**NA**	**37%**
1222	G/F	Sat 10/2/24	Thu 25/4/24	Sat 10/2/24	NA	80%
1223	1/F	Fri 19/4/24	Mon 20/5/24	NA	NA	0%
1224	2/F	Tue 7/5/24	Tue 28/5/24	NA	NA	0%
1225	R/F	Wed 15/5/24	Mon 10/6/24	NA	NA	0%
1226	TR/F	Tue 28/5/24	Wed 3/7/24	NA	NA	0%
1227	**Block 2 (Arcade and Residential Mock Bldg.)**	**Fri 22/12/23**	**Mon 24/6/24**	**Fri 22/12/23**	**NA**	**58%**
1228	G/F	Fri 22/12/23	Tue 23/4/24	Fri 22/12/23	Tue 23/4/24	100%
1229	1/F	Wed 17/4/24	Sat 18/5/24	NA	NA	0%
1230	2/F	Sun 5/5/24	Mon 3/6/24	NA	NA	0%
1231	R/F	Mon 20/5/24	Mon 17/6/24	NA	NA	0%
1232	TR/F	Tue 4/6/24	Tue 2/7/24	NA	NA	0%
1233	**Block 3 (MOB Bldg.)**	**Wed 17/1/24**	**Thu 20/6/24**	**Wed 17/1/24**	**NA**	**42%**
1234	G/F	Wed 17/1/24	Tue 7/5/24	Wed 17/1/24	NA	70%
1235	1/F	Wed 24/4/24	Thu 30/5/24	NA	NA	0%
1236	R/F	Fri 17/5/24	Thu 13/6/24	NA	NA	0%
1237	TR/F	Fri 31/5/24	Thu 27/6/24	NA	NA	0%
1238	**Block 4 (Marine Mock Bldg.)**	**Tue 6/2/24**	**Thu 20/6/24**	**Tue 6/2/24**	**NA**	**27%**
1239	G/F	Tue 6/2/24	Sat 11/5/24	Tue 6/2/24	NA	50%
1240	1/F	Sun 28/4/24	Tue 28/5/24	NA	NA	0%
1241	2/F	Thu 16/5/24	Tue 11/6/24	NA	NA	0%
1242	R/F	Wed 29/5/24	Mon 24/6/24	NA	NA	0%
1243	TR/F	Tue 11/6/24	Thu 27/6/24	NA	NA	0%
1244	Completion of Superstructure of Section 1	Sat 10/8/24	Sat 10/8/24	NA	NA	0%



Critical
Critical Split
Critical Progress
Task
Split
Task Progress
Manual Task
Start-only
Finish-only
Duration-only
Path Driving Predecessor Milestone Task
Path Driving Predecessor Summary Task
Path Driving Predecessor Normal Task
Baseline
Baseline Split
Baseline Milestone
Milestone
Summary Progress
Summary
Manual Summary
Project Summary
External Tasks
External Milestone
Inactive Task
Inactive Milestone
Inactive Summary
Deadline

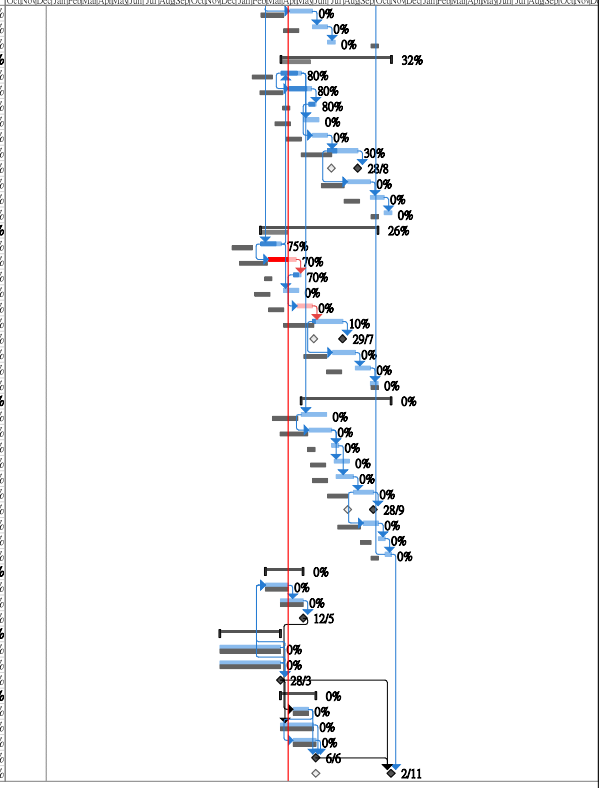
ID	Task Name	Baseline Start	Baseline Finish	Act. Start	Act. Finish	% Comp.
977	**Site Execution**	**Fri 23/12/22**	**Sat 5/7/25**	**Wed 21/12/22**	**NA**	**13%**
1451	**External Works**	**Sat 22/7/23**	**Mon 2/6/25**	**Sat 22/7/23**	**NA**	**17%**
1452	**Section 1 Works**	**Sat 22/7/23**	**Wed 9/10/24**	**Sat 22/7/23**	**NA**	**21%**
1453	**Trainning Ground**	**Sat 22/7/23**	**Wed 9/10/24**	**Sat 22/7/23**	**NA**	**25%**
1454	**2-WD Trainning Ground (Block 3)**	**Sat 22/7/23**	**Wed 9/10/24**	**Sat 22/7/23**	**NA**	**19%**
1455	Excavation for Underground Service and Utilities Works	Sat 22/7/23	Sun 20/8/23	Sat 22/7/23	NA	75%
1456	NICE001 - 14 days EOT Claimed	Mon 21/8/23	Sun 3/9/23	NA	NA	0%
1457	NICE002 - 4 days EOT Claimed	Mon 4/9/23	Thu 7/9/23	NA	NA	0%
1458	NICE003 - 10 days EOT Claimed	Fri 8/9/23	Sun 17/9/23	NA	NA	0%
1459	NICE004 - 3.5 days EOT Claimed	NA	NA	NA	NA	0%
1460	NICE005 - 20 days EOT Claimed	NA	NA	NA	NA	0%
1461	NICE006 - 5.5 days EOT Claimed	NA	NA	NA	NA	0%
1462	**U/G Drainage Installation**	**NA**	**NA**	**Thu 26/10/23**	**NA**	**60%**
1463	U/G Drainage Installation	Sun 6/8/23	Tue 19/9/23	Thu 26/10/23	NA	60%
1464	Concrete Surround Works	Fri 15/9/23	Thu 28/9/23	Sun 10/12/23	NA	60%
1465	Earthing Installation Works	Sat 26/8/23	Fri 29/9/23	NA	NA	0%
1466	Backfill	Fri 22/9/23	Sat 21/10/23	NA	NA	0%
1467	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater P	Sun 22/10/23	Wed 20/12/23	Tue 16/1/24	NA	20%
1468	Complete U/G Services & Utilities Works	Wed 20/12/23	Wed 20/12/23	NA	NA	0%
1469	Backfilling Works	Fri 1/12/23	Sun 14/1/24	NA	NA	0%
1470	Driving Ground Concreting Works	Mon 15/1/24	Tue 13/2/24	NA	NA	0%
1471	Finishing Works and Road Painting	Tue 24/9/24	Wed 9/10/24	NA	NA	0%
1472	**Parking and Trainning Facilities**	**Tue 14/11/23**	**Tue 8/10/24**	**Wed 10/1/24**	**NA**	**27%**
1473	Excavation for Underground Service and Utilities Works	Tue 14/11/23	Sat 23/12/23	Wed 10/1/24	NA	75%
1474	U/G Drainage Installation	Wed 29/11/23	Sat 27/1/24	Thu 25/1/24	NA	60%
1475	Concrete Surround Works	Tue 23/1/24	Mon 5/2/24	Wed 20/3/24	NA	60%
1476	Earthing Installation Works	Fri 29/12/23	Sat 27/1/24	NA	NA	0%
1477	Backfill	Tue 30/1/24	Wed 28/2/24	NA	NA	0%
1478	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater P	Thu 29/2/24	Sun 28/4/24	Fri 26/4/24	NA	20%
1479	Complete U/G Services & Utilities Works	Sun 28/4/24	Sun 28/4/24	NA	NA	0%
1480	Backfilling Works	Tue 9/4/24	Thu 23/5/24	NA	NA	0%
1481	Driving Ground Concreting Works	Fri 24/5/24	Sat 22/6/24	NA	NA	0%
1482	Finishing Works and Road Painting	Tue 24/9/24	Tue 8/10/24	NA	NA	0%
1483	**Braking Training (Block 4)**	**Mon 21/8/23**	**Tue 8/10/24**	**Tue 17/10/23**	**NA**	**37%**
1484	**Excavation for Underground Service and Utilities Works**	**NA**	**NA**	**Tue 17/10/23**	**NA**	**74%**
1485	Excavation for Underground Service and Utilities Works	Mon 21/8/23	Wed 4/10/23	Tue 17/10/23	NA	90%
1486	NICE003 - 10 days EOT Claimed	NA	NA	NA	NA	0%
1487	U/G Drainage Installation	Tue 5/9/23	Fri 3/11/23	Sat 16/12/23	NA	80%
1488	Concrete Surround Works	Mon 30/10/23	Sun 12/11/23	Fri 9/2/24	NA	80%
1489	Earthing Installation Works	Tue 10/10/23	Sat 18/11/23	NA	NA	0%
1490	Backfill	Mon 6/11/23	Tue 5/12/23	NA	NA	0%
1491	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater P	Wed 6/12/23	Sat 3/2/24	Sun 17/3/24	NA	50%
1492	Complete U/G Services & Utilities Works	Sat 3/2/24	Sat 3/2/24	NA	NA	0%
1493	Backfilling Works	Mon 15/1/24	Wed 28/2/24	NA	NA	0%
1494	Driving Ground Concreting Works	Thu 29/2/24	Fri 29/3/24	NA	NA	0%
1495	Finishing Works and Road Painting	Tue 24/9/24	Tue 8/10/24	NA	NA	0%
1496	**Skid Pan (Block 5)**	**Thu 5/10/23**	**Tue 8/10/24**	**Fri 1/12/23**	**NA**	**31%**
1497	Excavation for Underground Service and Utilities Works	Thu 5/10/23	Mon 13/11/23	Fri 1/12/23	NA	90%
1498	U/G Drainage Installation	Fri 20/10/23	Fri 8/12/23	Sat 16/12/23	NA	80%
1499	Concrete Surround Works	Mon 4/12/23	Sun 17/12/23	Tue 30/1/24	NA	80%
1500	Earthing Installation Works	Sun 19/11/23	Sat 23/12/23	NA	NA	0%
1501	Backfill	Mon 11/12/23	Tue 9/1/24	NA	NA	0%
1502	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater P	Wed 10/1/24	Sat 9/3/24	Thu 7/3/24	NA	20%
1503	Complete U/G Services & Utilities Works	Sat 9/3/24	Sat 9/3/24	NA	NA	0%



Critical
Critical Split
Critical Progress
Task
Split
Task Progress
Manual Task
Start-only
Finish-only
Duration-only
Path Driving Predecessor Milestone Task
Path Driving Predecessor Summary Task
Path Driving Predecessor Normal Task
Baseline
Baseline Split
Baseline Milestone
Milestone
Summary Progress
Summary
Manual Summary
Project Summary
External Tasks
External Milestone
Inactive Task
Inactive Milestone
Inactive Summary
Deadline

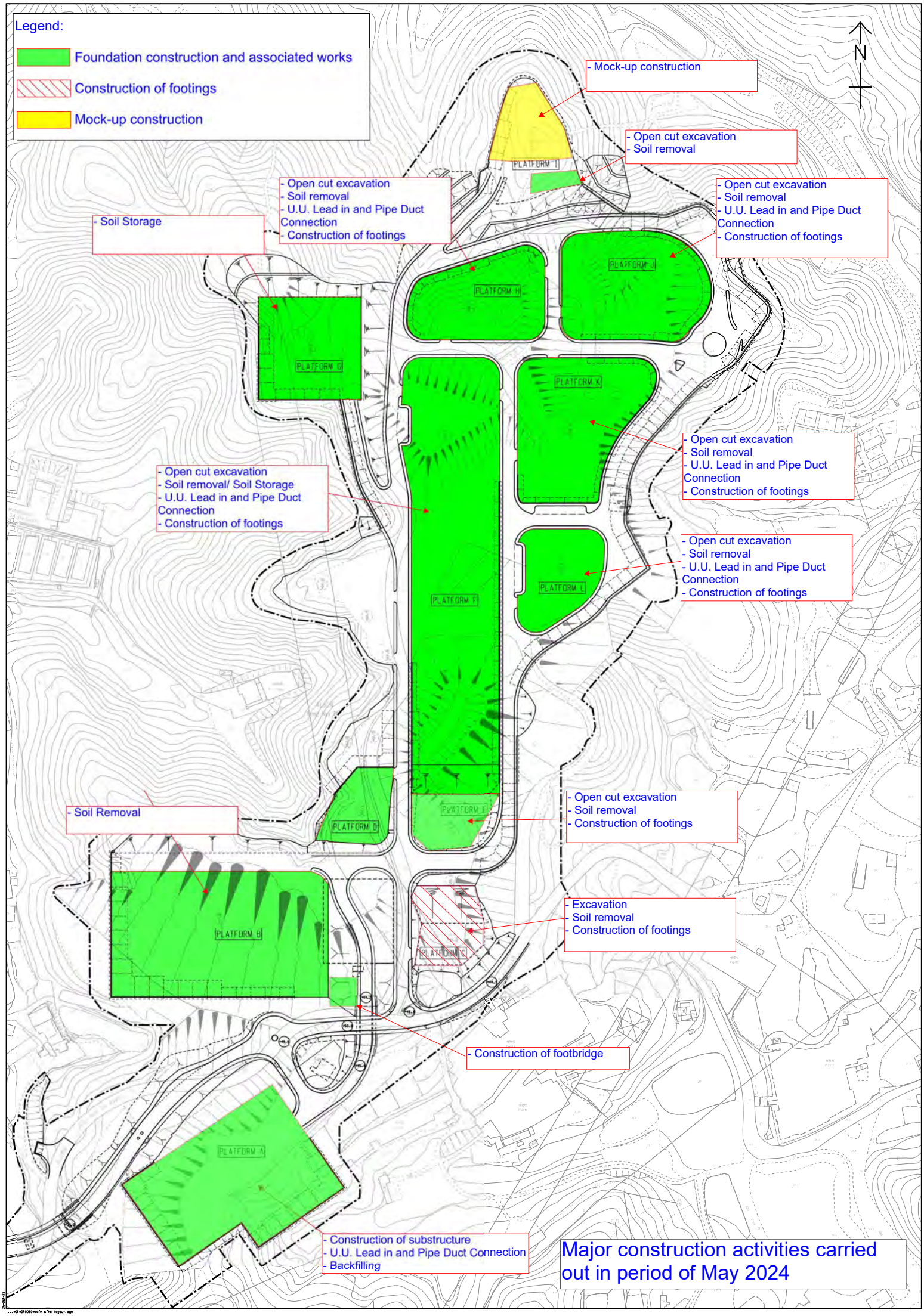
BLJ Programme May 2024 Rolling

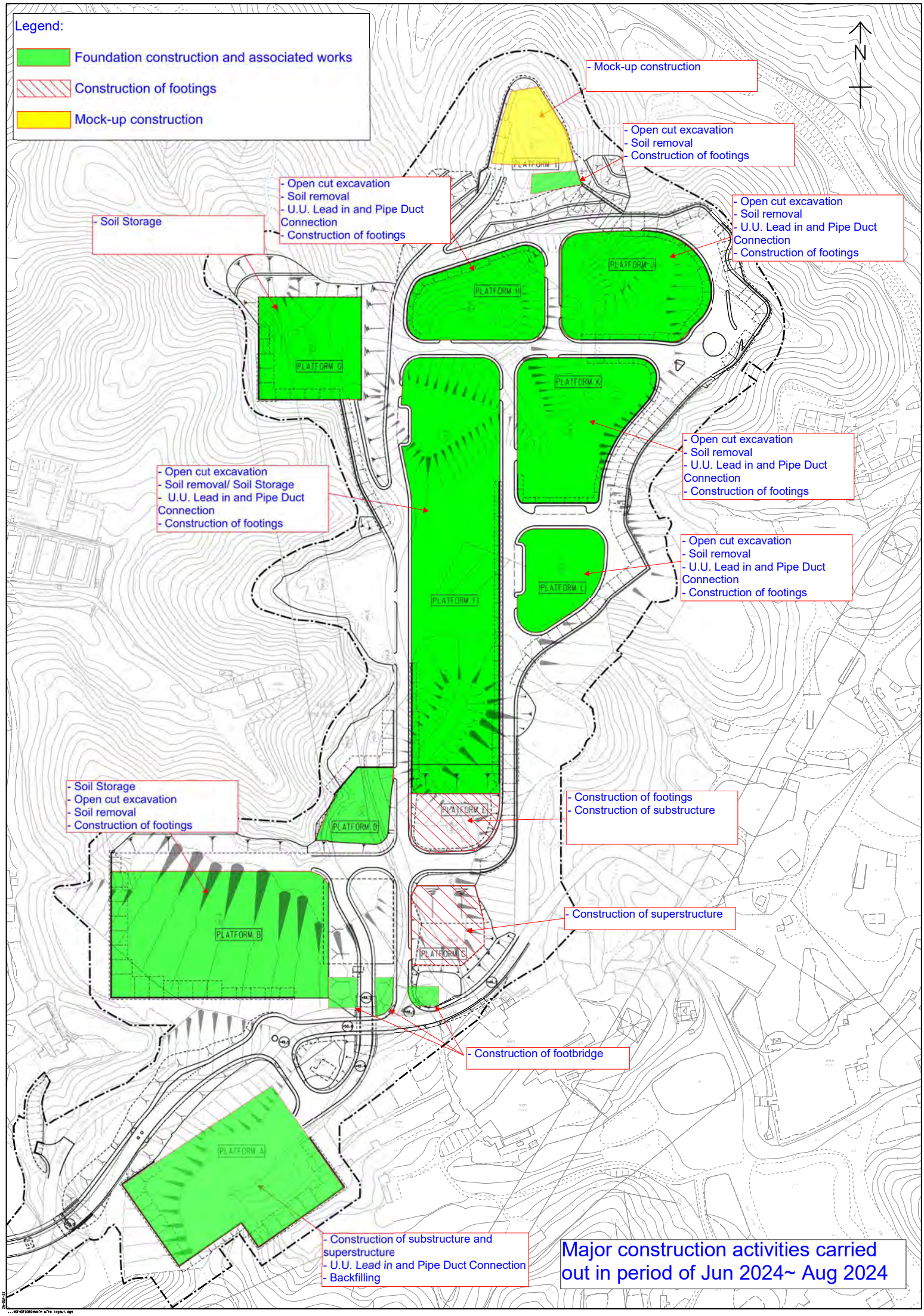
ID	Task Name	Baseline Start	Baseline Finish	Act. Start	Act. Finish	% Comp.
1504	Backfilling Works	Mon 19/2/24	Wed 3/4/24	NA	NA	0%
1505	Driving Ground Concreting Works	Thu 4/4/24	Fri 3/5/24	NA	NA	0%
1506	Finishing Works and Road Painting	Tue 24/9/24	Tue 8/10/24	NA	NA	0%
1507	**4-WD Trainning Ground (Block 6 and Block 9)**	**Fri 2/2/24**	**Tue 8/10/24**	**Sat 30/3/24**	**NA**	**32%**
1508	Excavation for Underground Service and Utilities Works	Fri 2/2/24	Tue 12/3/24	Sat 30/3/24	NA	80%
1509	U/G Drainage Installation	Sat 17/2/24	Mon 1/4/24	Sun 14/4/24	NA	80%
1510	Concrete Surround Works	Tue 2/4/24	Mon 15/4/24	Fri 24/5/24	NA	80%
1511	Earthing Installation Works	Mon 18/3/24	Tue 16/4/24	NA	NA	0%
1512	Backfill	Tue 9/4/24	Wed 8/5/24	NA	NA	0%
1513	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater F	Thu 9/5/24	Sun 7/7/24	Sun 30/6/24	NA	30%
1514	Complete U/G Services & Utilities Works	Sun 7/7/24	Sun 7/7/24	NA	NA	0%
1515	Backfilling Works	Tue 18/6/24	Thu 1/8/24	NA	NA	0%
1516	Driving Ground Concreting Works	Fri 2/8/24	Sat 31/8/24	NA	NA	0%
1517	Finishing Works and Road Painting	Tue 24/9/24	Tue 8/10/24	NA	NA	0%
1518	**2-WD and 4-WD Trainning Ground (Block 7)**	**Sun 24/12/23**	**Tue 8/10/24**	**Mon 19/2/24**	**NA**	**26%**
1519	Excavation for Underground Service and Utilities Works	Sun 24/12/23	Thu 1/2/24	Mon 19/2/24	NA	75%
1520	U/G Drainage Installation	Mon 8/1/24	Sat 2/3/24	Tue 5/3/24	NA	70%
1521	Concrete Surround Works	Tue 27/2/24	Mon 11/3/24	Wed 24/4/24	NA	70%
1522	Earthing Installation Works	Wed 7/2/24	Thu 7/3/24	NA	NA	0%
1523	Backfill	Tue 5/3/24	Wed 3/4/24	NA	NA	0%
1524	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater F	Thu 4/4/24	Sun 2/6/24	Fri 31/5/24	NA	10%
1525	Complete U/G Services & Utilities Works	Sun 2/6/24	Sun 2/6/24	NA	NA	0%
1526	Backfilling Works	Tue 14/5/24	Thu 27/6/24	NA	NA	0%
1527	Driving Ground Concreting Works	Fri 28/6/24	Sat 27/7/24	NA	NA	0%
1528	Finishing Works and Road Painting	Tue 24/9/24	Tue 8/10/24	NA	NA	0%
1529	**Gas Filing Station (Block 8)**	**Wed 13/3/24**	**Tue 8/10/24**	**NA**	**NA**	**0%**
1530	Excavation for Underground Service and Utilities Works	Wed 13/3/24	Wed 1/5/24	NA	NA	0%
1531	U/G Drainage Installation	Thu 28/3/24	Tue 21/5/24	NA	NA	0%
1532	Concrete Surround Works	Wed 22/5/24	Tue 4/6/24	NA	NA	0%
1533	Earthing Installation Works	Mon 27/5/24	Tue 25/6/24	NA	NA	0%
1534	Backfill	Fri 31/5/24	Sat 29/6/24	NA	NA	0%
1535	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater F	Sun 30/6/24	Thu 8/8/24	NA	NA	0%
1536	Complete U/G Services & Utilities Works	Thu 8/8/24	Thu 8/8/24	NA	NA	0%
1537	Backfilling Works	Sat 20/7/24	Mon 2/9/24	NA	NA	0%
1538	Driving Ground Concreting Works	Tue 3/9/24	Mon 23/9/24	NA	NA	0%
1539	Finishing Works and Road Painting	Tue 24/9/24	Tue 8/10/24	NA	NA	0%
1540	**Boundary Fencing, Planters & RC Structures**	**Wed 28/2/24**	**Sun 12/5/24**	**NA**	**NA**	**0%**
1541	Boundary Fence Wall Structures	Wed 28/2/24	Fri 12/4/24	NA	NA	0%
1542	Planter Wall Structures	Fri 29/3/24	Sun 12/5/24	NA	NA	0%
1543	Complete Boundary Fencing, Planters & RC Structures	Sun 12/5/24	Sun 12/5/24	NA	NA	0%
1544	**Underground Services & Utilities Works**	**Thu 30/11/23**	**Thu 28/3/24**	**NA**	**NA**	**0%**
1545	U/G Drainage Works	Thu 30/11/23	Thu 28/3/24	NA	NA	0%
1546	U/G Cable Pits / Ducts for BS / SFH / AC Water Pipes / Plumbing Pipe	Thu 30/11/23	Thu 28/3/24	NA	NA	0%
1547	Complete U/G Services & Utilities Works	Thu 28/3/24	Thu 28/3/24	NA	NA	0%
1548	**Carriageway, Paving & Finishing**	**Fri 29/3/24**	**Thu 6/6/24**	**NA**	**NA**	**0%**
1549	Steel & Metalworks	Tue 23/4/24	Wed 22/5/24	NA	NA	0%
1550	EVA / Carriageway & Paving Slabs	Fri 29/3/24	Sat 1/6/24	NA	NA	0%
1551	Finishings & Fitting-out Works	Tue 23/4/24	Thu 6/6/24	NA	NA	0%
1552	Complete Carriageway, Paving & Finishing Works	Thu 6/6/24	Thu 6/6/24	NA	NA	0%
1553	Complete External Works of Section1	Thu 6/6/24	Thu 6/6/24	NA	NA	0%



Critical	Manual Task	Path Driving Predecessor Normal Task	Summary	Inactive Milestone	
Critical Split	Start-only	Baseline	Manual Summary	Inactive Summary	
Critical Progress	Finish-only	Baseline Split	Project Summary	Deadline	
Task	Duration-only	Baseline Milestone	External Tasks		
Split	Path Driving Predecessor Milestone Task	Milestone	External Milestone		
Task Progress	Path Driving Predecessor Summary Task	Summary Progress	Inactive Task		

Layout Plan with major construction activities


Legend:
Foundation construction and associated works
Construction of footings
Mock-up construction
N
- Mock-up construction
- Open cut excavation
- Soil removal
- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Soil Storage
- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Open cut excavation
- Soil removal/ Soil Storage
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Soil Removal
- Open cut excavation
- Soil removal
- Construction of footings
- Excavation
- Soil removal
- Construction of footings
- Construction of footbridge
- Construction of substructure
- U.U. Lead in and Pipe Duct Connection
- Backfilling
PLATFORM I
PLATFORM H
PLATFORM J
PLATFORM G
PLATFORM K
PLATFORM F
PLATFORM L
PLATFORM D
PLATFORM E
PLATFORM B
PLATFORM C
PLATFORM A
Major construction activities carried out in period of May 2024


Legend:
Foundation construction and associated works
Construction of footings
Mock-up construction
N
- Mock-up construction
- Open cut excavation
- Soil removal
- Construction of footings
- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Soil Storage
- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Open cut excavation
- Soil removal/ Soil Storage
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Open cut excavation
- Soil removal
- U.U. Lead in and Pipe Duct Connection
- Construction of footings
- Soil Storage
- Open cut excavation
- Soil removal
- Construction of footings
- Construction of footings
- Construction of substructure
- Construction of superstructure
- Construction of footbridge
- Construction of substructure and superstructure
- U.U. Lead in and Pipe Duct Connection
- Backfilling
PLATFORM I
PLATFORM H
PLATFORM J
PLATFORM G
PLATFORM K
PLATFORM F
PLATFORM L
PLATFORM E
PLATFORM D
PLATFORM B
PLATFORM C
PLATFORM A
Major construction activities carried out in period of Jun 2024~ Aug 2024

Proactive Environmental Protection Proforma

Ref*	Proposed Construction Method	Location/Working Period	Anticipated Major Impacts	Recommended Mitigation Measures
EIA 3.9.1; EM&A Log 2.2	Open cut excavation	Kong Nga Po Site	Dust impact from excavation activities and earth moving	• Use of regular water spraying (once every 1.25 hours or 8 times per day) at all active works area exposed site surfaces and unpaved roads, particularly during dry weather • Deploy water bowser for regular water spraying to enhance dust suppression • Manual water spraying for dusty operation where inaccessible by water bowser • Speed control of site transportation • Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust • Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site • Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site
EIA 4.4.6; EM&A Log 3.2			Noise Control	• Regular inspection and maintenance of plant & equipment in good condition

				• Enclose the noisy part of machineries with noise enclosure • Adopt of Quality Powered Mechanical Equipment (QPME) if possible
			Working in Restricted Hours	• Valid construction noise permit should be obtained and displayed on site • In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out
EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	• Cover the stockpiles of construction materials to reduce the potential for water pollution • Provide wastewater treatment facilities prior to discharge of wastewater • Regular inspection and maintenance of wastewater treatment facilities • Wastewater pumped out of the excavation areas will be treated to remove suspended solids prior to discharge • Hard paving or well-compact of main haul road to minimize washout of soil • Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.
EIA 7.5.1.1 &			Waste Generation	• Training of site personnel in proper waste management and

7.5.1.2; EM&A Log 6.2				chemical handling procedures • Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling • Surplus inert C&D materials will be disposed of at designated Government's PFRF.
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	• Chemical waste should be stored at chemical waste container and collected by a licensed collector to transport and dispose of at the approved Chemical Waste Treatment Centre • Drip tray and chemical spillage kit will be provided on site
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	• Provide training to frontline workers for the conservative species • Provision of protective fence for the conservative species • Regular inspection for concerned vegetation and conservative species
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement • Restrict construction area to minimize the impact on existing retained trees
EIA 3.9.1; EM&A Log 2.2	Soil Removal	Kong Nga Po Site	Dust impact from excavation activities and earth	• Use of regular water spraying (once every 1.25 hours or 8 times per day) at all active works area exposed site surfaces and unpaved roads, particularly during dry weather

			moving	• Water spraying during loading and unloading of excavated materials • Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site • Deploy water bowser for regular water spraying to enhance dust suppression • Speed control of site transportation • Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust • Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site
EIA 4.4.6; EM&A Log 3.2			Noise Control	• Regular inspection and maintenance of plant & equipment in good condition • Enclose the noisy part of machineries with noise enclosure • Adopt of Quality Powered Mechanical Equipment (QPME) if possible
			Working in Restricted Hours	• Valid construction noise permit should be obtained and displayed on site • In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out
EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	• Cover the stockpiles of excavated materials to reduce the potential for water pollution

				• Provide wastewater treatment facilities prior to discharge of wastewater • Regular inspection and maintenance of wastewater treatment facilities • Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.
EIA 7.5.1.1 & 7.5.1.2; EM&A Log 6.2			Waste Generation	• Training of site personnel in proper waste management and chemical handling procedures • Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling • Surplus inert C&D materials will be disposed of at designated Government's PFRF.
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	• Chemical waste should be stored at chemical waste container and collected by a licensed collector to transport and dispose of at the approved Chemical Waste Treatment Centre • Drip tray and chemical spillage kit will be provided on site
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	• Provide training to frontline workers for the conservative species • Provision of protective fence for the conservative species • Regular inspection for concerned vegetation and conservative

				species
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement • Restrict construction area to minimize the impact on existing retained trees
EIA 3.9.1; EM&A Log 2.2	Construction of footings and pile cap	Kong Nga Po Site	Air	• Regular inspection and maintenance of plant and equipment in good condition • Regularly clean up stockpiles and debris to avoid accumulation of materials • Dusty materials exceeding 20 bags shall be stored in area sheltered on top and the three sides or covered entirely by impervious sheeting.
EIA 4.4.6; EM&A Log 3.2			Noise Control	• Regular inspection and maintenance of plant & equipment in good condition • Enclose the noisy part of machineries with noise enclosure • Adopt of Quality Powered Mechanical Equipment (QPME) if possible
			Working in Restricted Hours	• Valid construction noise permit should be obtained and displayed on site • In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out

EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	• Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged. • Designated location for residual concrete washout • Provide wastewater treatment facilities prior to discharge of wastewater
EIA 7.5.1.4; EM&A Log			Chemical Waste	• Drip tray and chemical spillage kit shall be provided on site
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	• Provide training to frontline workers for the conservative species • Provision of protective fence for the conservative species • Regular inspection for concerned vegetation and conservative species
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement • Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts
EIA 3.9.1; EM&A Log 2.2	Construction of substructure	Kong Nga Po Site	Air	• Regular inspection and maintenance of plant and equipment in good condition • Regularly clean up stockpiles and debris to avoid

				accumulation of materials • Dusty materials exceeding 20 bags shall be stored in area sheltered on top and the three sides or covered entirely by impervious sheeting.
EIA 4.4.6; EM&A Log 3.2			Noise Control	• Regular inspection and maintenance of plant & equipment in good condition • Enclose the noisy part of machineries with noise enclosure • Adopt of Quality Powered Mechanical Equipment (QPME) if possible
			Working in Restricted Hours	• Valid construction noise permit should be obtained and displayed on site • In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out
EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	• Cover the stockpiles of construction materials to reduce the potential for water pollution • Provide wastewater treatment facilities prior to discharge of wastewater • Wastewater generated from surface runoff shall be treated prior to discharge • Manholes should be temporarily sealed to prevent silt, construction materials or debris from entering the drainage system.

EIA 7.5.1.1; EM&A Log 6.2			Waste Management	• Cover stockpiles of C&D materials by impervious sheets to avoid wind-blown dust. • Spray water on all dusty materials including C&D materials immediately prior to any loading transfer operation • Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	• Drip tray and chemical spillage kit shall be provided on site
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	• Provide training to frontline workers for the conservative species • Provision of protective fence for the conservative species • Regular inspection for concerned vegetation and conservative species
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement • Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts
EIA 3.9.1; EM&A Log 2.2	Construction of footbridge	Kong Nga Po Site	Air	• Regular inspection and maintenance of plant and equipment in good condition

				• Water spraying during loading and unloading of excavated materials • Regularly clean up stockpiles and debris to avoid accumulation of materials • Dusty materials exceeding 20 bags shall be stored in area sheltered on top and the three sides or covered entirely by impervious sheeting.
EIA 4.4.6; EM&A Log 3.2			Noise Control	• Regular inspection and maintenance of plant & equipment in good condition • Adopt of Quality Powered Mechanical Equipment (QPME) if possible
			Working in Restricted Hours	• Valid construction noise permit should be obtained and displayed on site • In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out
EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	• Cover the stockpiles of construction materials to reduce the potential for water pollution • Provide wastewater treatment facilities prior to discharge of wastewater • Wastewater generated from surface runoff shall be treated prior to discharge
EIA 7.5.1.1;			Waste	• Cover stockpiles of C&D materials by impervious sheets to

EM&A Log 6.2			Management	avoid wind-blown dust. • Spray water on all dusty materials including C&D materials immediately prior to any loading transfer operation • Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	• Drip tray and chemical spillage kit shall be provided on site
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement • Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts
EIA 3.9.1; EM&A Log 2.2	Backfilling	Kong Nga Po Site	Air	• Deploy water bowser for regular water spraying to enhance dust suppression • Manual water spraying for dusty operation where inaccessible by water bowser • Speed control of site transportation • Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust • Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site

				• Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site
EIA 4.4.6; EM&A Log 3.2			Noise Control	• Regular inspection and maintenance of plant & equipment in good condition • Enclose the noisy part of machineries with noise enclosure • Adopt of Quality Powered Mechanical Equipment (QPME) if possible
			Working in Restricted Hours	• Valid construction noise permit should be obtained and displayed on site • In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out
EIA 5.6.1.2; EM&A Log 4.2			Water Pollution Control	• Cover the stockpiles of construction materials to reduce the potential for water pollution • Provide wastewater treatment facilities prior to discharge of wastewater • Regular inspection and maintenance of wastewater treatment facilities • Wastewater pumped out of the excavation areas will be treated to remove suspended solids prior to discharge • Hard paving or well-compact of main haul road to minimize washout of soil • Wheels of all vehicles and plants will be cleaned before

				leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.
EIA 7.5.1.1 & 7.5.1.2; EM&A Log 6.2			Waste Generation	• Training of site personnel in proper waste management and chemical handling procedures • Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling • Surplus inert C&D materials will be disposed of at designated Government's PFRF or reuse at other contracts.

**EIA Ref/ EM&A Log/ Design Document Ref*

***Details of equipment, vehicles, plants, processes, technologies for the construction method*

Design and Construction of Kong Nga Po Police Training Facilities Working Period: May 2024

Proactive Environmental Protection Proforma

Ref*	**Proposed Construction Method**	**Location/Working Period**	**Anticipated Major Impacts**	**Recommended Mitigation Measures**	**Photo Records (Partial)**
EIA 3.9.1; EM&A Log 2.2	Open cut excavation	Kong Nga Po Site	Dust impact	• Manual water spraying for dust suppression • Regular inspection and maintenance of plant and equipment in good condition • Cover stockpile with impervious sheets or grout • Provide wheel washing facility at site entrance	 By main contractor at KNP site

					 By main contractor at KNP site  By subcontractor at KNP site

					 By main contractor at KNP site
EIA 4.4.6; EM&A Log 3.2			Noise	• Regular inspection and maintenance of plant & equipment in good condition • Deploy Quality Powered Mechanical Equipment (QPME) if possible • Valid construction noise permit should be displayed at site entrance.	 By main contractor at KNP site

					 By main contractor at KNP site
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	• Provide training to workers about the conservative species • Provision of protective fence for the conservative species • Regular inspection for concerned vegetation and conservative species	 By main contractor at KNP site

					 By subcontractor at KNP site
EIA 3.9.1; EM&A Log 2.2	Soil Removal	Kong Nga Po Site	Air	• Deploy water bowser for regular water spraying to enhance dust suppression • Cover dusty materials with impervious sheets • Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering the drainage system.	 By main contractor at KNP site

				• The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site.	 By main contractor at KNP site  By subcontractor at KNP site

					 By main contractor at KNP site
EIA 4.4.6; EM&A Log 3.2			Noise	• Regular inspection and maintenance of plant & equipment in good condition • Deploy Quality Powered Mechanical Equipment (QPME) if possible • Noise insulating fabric adopted for excavator.	 By main contractor at KNP site

					 By main contractor at KNP site
EIA 5.6.1.2 and EM&A Log 4.2			Water Quality	• Cover exposed slopes with impervious sheets or cement grout. • Wastewater pumped out of the excavation areas shall be treated to remove suspended solid prior to discharge. • Provide desilting/ sedimentation devices for wastewater treatment prior to discharge.	 By main contractor at KNP site

				• Provide drip tray to prevent spillage of fuels	 By main contractor at KNP site  By main contractor at KNP site

					 By main contractor at KNP site
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement • Implement temporary traffic arrangement which control construction area to	 By main contractor at KNP site

				minimize landscape and visual impacts	
EIA 3.9.1; EM&A Log 2.2	Construction of footings	Kong Nga Po Site	Air	• Cover dusty materials with impervious sheets • Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering the drainage system. • Provide wheel washing facility at site entrance	 By main contractor at KNP site  By main contractor at KNP site

EIA 4.4.6; EM&A Log 3.2			Noise	• Valid construction noise permit should be obtained and displayed on site	 By main contractor at KNP site
EIA 5.6.1.3 and EM&A Log 4.2			Water Quality	• Surface water from concrete batching areas and the rest of the site should be separated as far as possible. • Temporary drainage is free of obstruction. • Gullies are sealed to prevent silt or debris from entering the drainage system.	 By subcontractor at KNP site

					 By main contractor at KNP site  By main contractor at KNP site

EIA 7.5.1.2 and EM&A Log 6.2			Waste Management	• Segregation and storage of different types of waste in different containers or skips or stockpiles to enhance reuse or recycling of materials and their proper disposal • Sort non-inert C&D materials to recover any recyclable portions	 By main contractor at KNP site  By main contractor at KNP site

APPENDIX B
ACTION AND LIMIT LEVELS

Appendix B - Action and Limit Levels

Table B-1 Action and Limit Levels for 1-hour TSP

Monitoring station	Action Level (ug/m^3)	Limit Level (ug/m^3)
AM1	308	500
AM2	311	

Table B-2 Action and Limit Levels for Construction Noise

Time Period	Action Level	Limit Level
0700-1900 hours on normal weekdays	When one documented complaint is received	75 dB(A)

Noted:
If works are to be carried during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

APPENDIX C
COPIES OF CALIBRATION CERTIFCATES

東業德勤測試顧問有限公司
ETS-TESTCONSULT LTD.™

8/F Block B,
Veristrong Industrial Centre,
34-36 Au Pui Wan Street,
Fo Tan, Hong Kong

T: +852 2695 8318
F: +852 2695 3944
E: etl@ets-testconsult.com
W: www.ets-testconsult.com

Calibration Certificate

Certificate No. : **CSA38446**

Information Provided by Customer

Customer : ETS - Testconsult Limited

Address : 8/F., Block B, Veristrong Industrial Centre, 34 - 36 Au Pui Wan Street, Fotan, Shatin, Hong Kong

Information of Unit-under-test (UUT)

Description	: Sound Level Calibrator		
Manufacturer	: RION	Equipment I.D.	: ET/EN/002/01
Type	: NC-73	Serial No.	: 10196943

Laboratory Information

Lab. Ref. No.	: Q/CAL/23/9463/I	Procedure	: CQS/002/A
Date of Calibration	: 23-Nov-2023	Date of Receipt	: 15-Nov-2023
Date of Issue	: 24-Nov-2023	Calibration Location	: Calibration Laboratory

Calibration Condition

Ambient Temperature	: (20 ± 3) °C	Relative Humidity	: (50±20) %
Stabilizing Time	: 30 minutes	Sampling	: As received
Ambient Pressure	: (1000 ± 50) hPa		

Reference equipment

- Multi-function sound calibrator, ET/2801/01
- Measuring Amplifier, ET/2702/01/01
- Signal generator, ET/2503/01
- Reference Oscilloscope, ET/2502/01

Calibration specification

- To perform the calibration of sound level calibrator.

Calibration result

- The results are detailed on the subsequent pages.

Remarks

- The calibration results apply to the particular unit-under-test only.
- The values given in this calibration certificate only to the values measureed at the time of test & any uncertainties quoted will not include allowance for the equipment long term drift, varifications with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement

Calibrated By : Tony MA
(Technician)

Approved By: CHAN Chi Wai

東業德勤測試顧問有限公司
ETS-TESTCONSULT LTD.™

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T: +852 2695 8318
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E: etl@ets-testconsult.com
W: www.ets-testconsult.com

Calibration Certificate

Certificate No. : CSA38446

Calibration Result:

1. Measured Sound Pressure Level:

Nominal Frequency (Hz)	Nominal Output Sound Pressure (dB)	Measured Output (dB)	Expanded Uncertatiny (dB)	Coverage Factor
1000	94.0	93.9	0.13	2.0

2. Actual Output Frequency:

Nominal Frequency (Hz)	Nominal Output Sound Pressure (dB)	Measured Output (Hz)	Expanded Uncertatiny (Hz)	Coverage Factor
1000	94.0	980.783	0.057	2.0

Remark:

- The uncertainty quoted is based on 95 % confidence level.
- Measured output are mean of three measurements.

End of certificate

東業德勤測試顧問有限公司
ETS-TESTCONSULT LTD.™

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W: www.ets-testconsult.com

Calibration Certificate

Certificate No. : **CSA34546**

Information Provided by Customer

Customer : ETS - Testconsult Limited

Address : 8/F., Block B, Veristrong Industrial Centre, 34 - 36 Au Pui Wan Street, Fotan, Shatin, Hong Kong

Information of Unit-under-test (UUT)

	Sound Level Meter	Microphone	Pre-amplifier
Manufacturer	RION	RION	RION
Type	NL-52	UC-59	NH-25
Equipment I.D. no.	ET/EN/003/17	-	-
Serial No.	00264519	03558	64644
Adaptors used	-	-	-
Resolution	0.1 dB	-	-

Laboratory Information

Lab. Ref. No. : Q/CAL/23/5141/I

Date of Calibration : 28-Jun-2023

Date of Issue : 28-Jun-2023

Procedure : CQS/001/A

Date of Receipt : 21-Jun-2023

Calibration Location : Calibration Laboratory

Calibration Condition

Ambient Temperature : (20 ± 3) °C

Stabilizing Time : 30 minutes

Ambient Pressure : (1000 ± 50) hPa

Relative Humidity : (50 ± 20) %

Sampling : As received

Reference equipment

- Multi-function sound calibrator, ET/2801/01
- Signal generator, ET/2503/01

Calibration specification

- To perform the calibration of linearity and frequency response by multi-function sound calibrator.

Calibration result

- The results are detailed on the subsequent pages.

Remarks

- The calibration results apply to the particular unit-under-test only.
- The values given in this calibration certificate only to the values measureed at the time of test & any uncertainties quoted will not include allowance for the equipment long term drift, varifications with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement.

Calibrated By : Tony MA (Technician)

Approved By: CHAN Chi Wai

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Calibration Certificate

Certificate No. : CSA34546

Calibration Result:

1 Reference Sound Pressure Level : (Unit in: dB)

Range / Mode			Reference Level	REF Frequency (kHz)	UUT Reading	Deviation	Expanded Uncertatiny	Coverage Factor
A-Weighting	Self-cal	Before	94.0	1	93.7	-0.3	0.13	2.0
	Range	30 to 130	104.0		103.7	-0.3	0.13	2.0
	Mode	Fast	114.0		113.7	-0.3	0.13	2.0
A-Weighting	Self-cal	After	94.0	1	94.0	0.0	0.13	2.0
	Range	30 to 130	104.0		104.1	0.1	0.13	2.0
	Mode	Fast	114.0		114.1	0.1	0.13	2.0
	Self-cal	After	94.0	1	94.0	0.0	0.13	2.0
	Range	30 to 130	104.0		104.1	0.1	0.13	2.0
	Mode	Slow	114.0		114.1	0.1	0.13	2.0
C-Weighting	Self-cal	-	94.0	1	94.0	0.0	0.13	2.0
	Range	30 to 130	104.0		104.1	0.1	0.13	2.0
	Mode	Fast	114.0		114.0	0.0	0.13	2.0
	Self-cal	-	94.0	1	94.0	0.0	0.13	2.0
	Range	30 to 130	104.0		104.1	0.1	0.13	2.0
	Mode	Slow	114.0		114.0	0.0	0.13	2.0
Z-Weighting	Self-cal	-	94.0	1	94.0	0.0	0.13	2.0
	Range	30 to 130	104.0		104.1	0.1	0.13	2.0
	Mode	Fast	114.0		114.1	0.1	0.13	2.0
	Self-cal	-	94.0	1	94.0	0.0	0.13	2.0
	Range	30 to 130	104.0		104.1	0.1	0.13	2.0
	Mode	Slow	114.0		114.0	0.0	0.13	2.0

Remark:

- The uncertainty quoted is based on 95 % confidence level.
- UUT reading are mean of three measurements.
- Deviation = UUT Reading - Reference Level
- Laboratory reference multi-function sound calibrator was used to adjust the "Self cal" reading of UUT.

***

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Form Q/AS/C/01 Issue 1(3/7) [09/21]

Calibration Certificate

Certificate No. : CSA34546

Calibration Result:

Acoustic Sensitivity and Frequency Response:

2 Frequency Response A-Weighting (Unit in: dB)

Range	Mode	Applied Level	Frequency (Hz)	Reference Level	UUT Reading	Deviation	Expanded Uncertainty	Coverage Factor
30 to 130	Fast	94	31.5	54.6	40.5	-14.1	0.29	2.6
			63	67.8	57.2	-10.6	0.22	2.3
			125	77.9	72.2	-5.7	0.13	2.0
			250	85.4	83.6	-1.8	0.12	2.0
			500	90.8	90.9	0.1	0.12	2.0
			1000 (Ref.)	94.0	94.0	0.0	0.13	2.0
			2000	95.1	94.0	-1.1	0.13	2.0
			4000	94.9	92.3	-2.6	0.13	2.0
			8000	92.9	85.4	-7.5	0.14	2.0
			12500	89.7	76.0	-13.7	0.14	2.0
			16000	87.5	71.6	-15.9	0.16	2.0

3 Frequency Response C-Weighting (Unit in: dB)

Range	Mode	Applied Level	Frequency (Hz)	Reference Level	UUT Reading	Deviation	Expanded Uncertainty	Coverage Factor
30 to 130	Fast	94	31.5	91.0	74.6	-16.4	0.22	2.3
			63	93.2	82.4	-10.8	0.15	2.0
			125	93.8	88.1	-5.7	0.15	2.0
			250	94.0	92.2	-1.8	0.14	2.0
			500	94.0	94.1	0.1	0.12	2.0
			1000 (Ref.)	94.0	94.0	0.0	0.13	2.0
			2000	93.7	92.6	-1.1	0.13	2.0
			4000	93.1	90.5	-2.6	0.13	2.0
			8000	91.0	83.5	-7.5	0.14	2.0
			12500	87.8	74.1	-13.7	0.16	2.0
			16000	85.6	69.8	-15.8	0.20	2.2

4 Frequency Response Z-Weighting (Unit in: dB)

Range	Mode	Applied Level	Frequency (Hz)	Reference Level	UUT Reading	Deviation	Expanded Uncertainty	Coverage Factor
30 to 130	Fast	94	31.5	94.0	77.6	-16.4	0.14	2.0
			63	94.0	83.2	-10.8	0.15	2.0
			125	94.0	88.3	-5.7	0.13	2.0
			250	94.0	92.2	-1.8	0.14	2.0
			500	94.0	94.0	0.0	0.12	2.0
			1000 (Ref.)	94.0	94.0	0.0	0.13	2.0
			2000	94.0	92.8	-1.2	0.13	2.0
			4000	94.0	91.3	-2.7	0.13	2.0
			8000	94.0	86.4	-7.6	0.14	2.0
			12500	94.0	80.7	-13.3	0.14	2.0
			16000	94.0	79.4	-14.6	0.14	2.0

Remark:

- Signal level at 1000 Hz is set as indication of reference sound pressure level.
- The uncertainty quoted is based on 95 % confidence level with coverage factor k=2.0.
- UUT reading are mean of three measurements.
- Deviation = UUT Reading - Reference Level

End of certificate

TISCH Environmental

RECALIBRATION DUE DATE:
January 15, 2025

Certificate of Calibration

Calibration Certification Information					
Cal. Date:	January 15, 2024	**Rootsmeter S/N:** 438320	**Ta:** 295	°K	
Operator:	Jim Tisch		**Pa:** 756.4	mm Hg	
Calibration Model #:	TE-5025A	**Calibrator S/N:** **4228**			

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4400	3.3	2.00
2	3	4	1	1.0250	6.4	4.00
3	5	6	1	0.9240	8.0	5.00
4	7	8	1	0.8780	8.9	5.50
5	9	10	1	0.7230	12.8	8.00

Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H\left(Ta/Pa\right)}$ (y-axis)
1.0010	0.6951	1.4180	0.9956	0.6914	0.8832
0.9969	0.9726	2.0054	0.9915	0.9674	1.2490
0.9948	1.0766	2.2421	0.9894	1.0708	1.3964
0.9936	1.1316	2.3515	0.9882	1.1256	1.4646
0.9884	1.3671	2.8361	0.9831	1.3597	1.7664
QSTD	**m=**	**2.11633**	**QA**	**m=**	**1.32521**
	b=	**-0.04857**		**b=**	**-0.03025**
	r=	**0.99987**		**r=**	**0.99987**

Calculations

Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	**Va=**	ΔVol((Pa-ΔP)/Pa)
Qstd=	Vstd/ΔTime	**Qa=**	Va/ΔTime

For subsequent flow rate calculations:

Qstd= $1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$

Qa= $1/m\left(\left(\sqrt{\Delta H\left(Ta/Pa\right)}\right)-b\right)$

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg

Key
ΔH: calibrator manometer reading (in H2O)
ΔP: rootsmeter manometer reading (mm Hg)
Ta: actual absolute temperature (°K)
Pa: actual barometric pressure (mm Hg)
b: intercept
m: slope

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Tisch Environmental, Inc.
145 South Miami Avenue
Village of Cleves, OH 45002

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FAX: (513)467-9009

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TEST REPORT

Calibration Report of High Volume Air Sampler

Manufacturer : Graseby GMW

Date of Calibration : 18 April 2024

Serial No. : 1180 (ET / EA / 003 / 04)

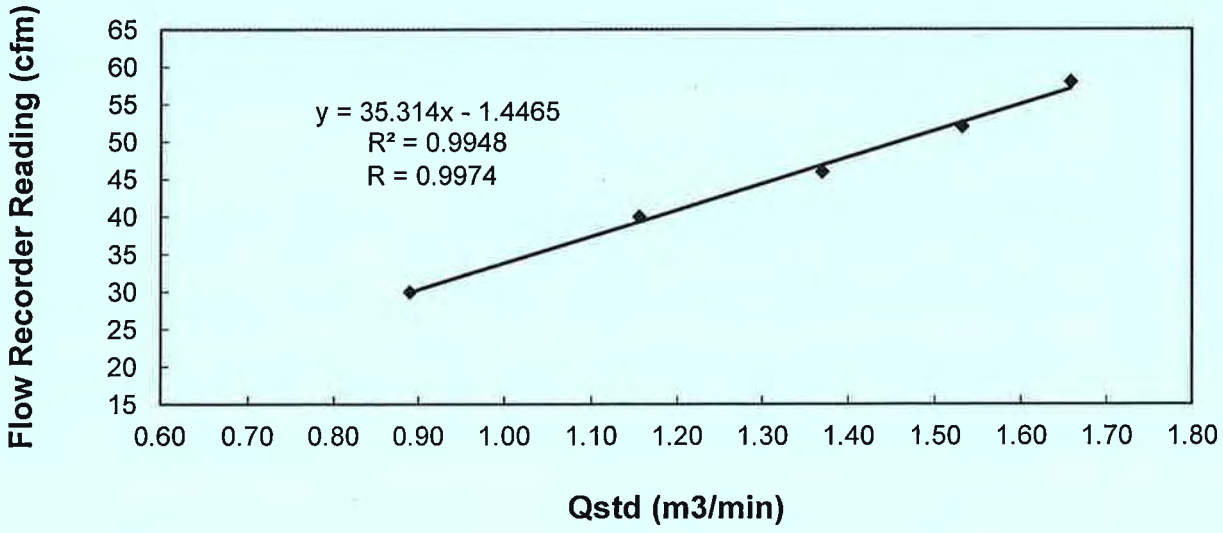
Calibration Due Date : 17 June 2024

Method : Based on Operations Manual for the 5-point calibration using standard calibration kit manufactured by Tisch TE-5025 A

Results :

Flow recorder reading (cfm)	58	52	46	40	30
Qstd (Actual flow rate, m^3/min)	1.66	1.53	1.37	1.16	0.89
Pressure : 756.74 mm Hg		Temp. : 300 K			

Sampler 1180 Calibration Curve
Site: Tuen Mun (TM-RA2)



Acceptance Criteria : Correlation coefficient (r) of the calibration curve greater than 0.990 after a 5-point calibration

The high volume sampler complies* / ~~does not comply~~* with the specified requirements and is deemed acceptable* / ~~unacceptable~~ * for use.

Calibrated by : Mak Kei Wai
MAK, Kei Wai
(Assistant Supervisor)

Checked by :
LAU, Chi Leung
(Environmental Team Leader)

- END OF REPORT -

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TEST REPORT

Internal Calibration Report of Dust Monitor

Manufacturer : SIBATA (LD-3B)

Date of Calibration : 25 March 2024

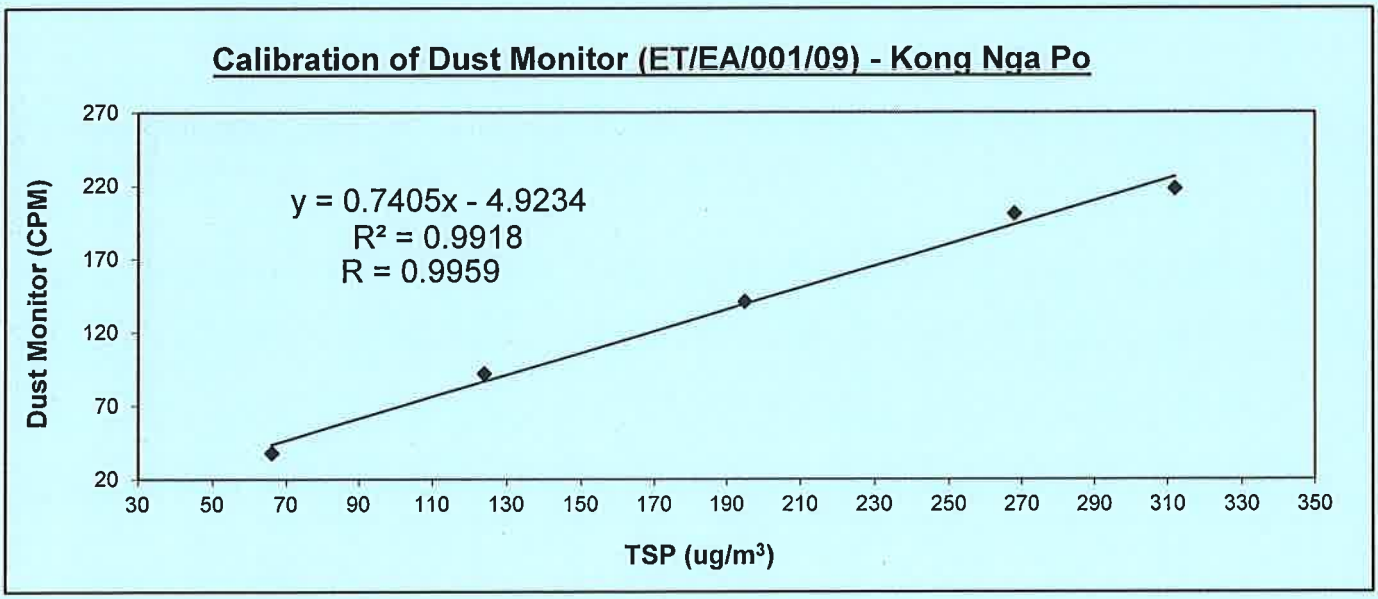
Serial No. : 155331 (ET/EA/001/09)

Calibration Due Date : 24 May 2024

Method : Parallel measurement (Five-point calibration) by placing the Dust Monitor and High Volume Air Samper together under the same environmental condition

Results :

Dust Monitor (CPM)	38	92	141	201	218
TSP (ug/m^3)	66	124	195	268	312
High Volume Air Sampler Serail No.: 1180	Calibration Due Date: 18 April 2024				



Acceptance Criteria : Correlation coefficient (R) of the calibration curve greater than 0.990 after a five-point calibration

The Dust Trak Monitor complies * / ~~does not comply~~ * with the internal calibration procedures and is deemed acceptable */ ~~unacceptable~~ * for use.

Calibrated by : Toby
CHENG, Hei Man
(Technician)

Checked by :
LAU, Chi Leung
(Environmental Team Leader)

- END OF REPORT -

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TEST REPORT

Internal Calibration Report of Dust Monitor

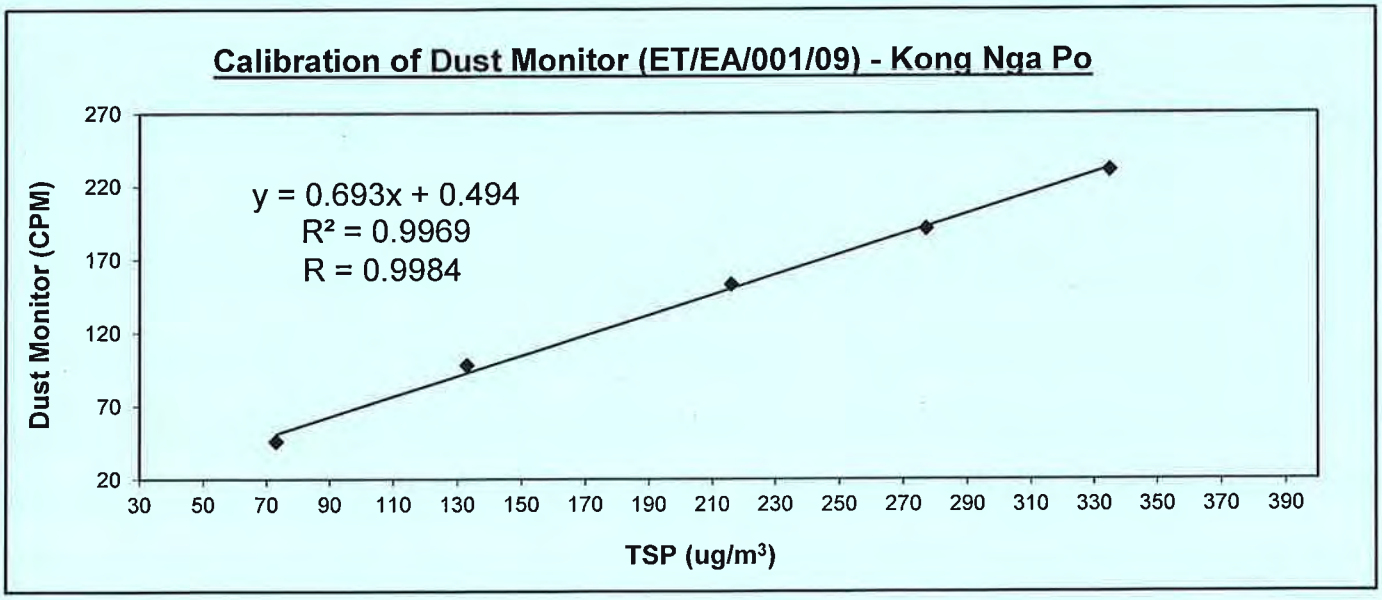
Manufacturer : SIBATA (LD-3B) Date of Calibration : 24 May 2024

Serial No. : 155331 (ET/EA/001/09) Calibration Due Date : 23 July 2024

Method : Parallel measurement (Five-point calibration) by placing the Dust Monitor and High Volume Air Samper together under the same environmental condition

Results :

Dust Monitor (CPM)	46	98	153	191	231
TSP (ug/m^3)	73	133	216	277	335
High Volume Air Sampler Serail No.: 1180	Calibration Due Date: 17 June 2024				



Acceptance Criteria : Correlation coefficient (R) of the calibration curve greater than 0.990 after a five-point calibration

The Dust Trak Monitor complies * / ~~does not comply~~ * with the internal calibration procedures and is deemed acceptable */ ~~unacceptable~~ * for use.

Calibrated by : _____
CHENG, Hei Man
(Technician)

Checked by : _____
LAU, Chi Leung
(Environmental Team Leader)

- END OF REPORT -

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TEST REPORT

Internal Calibration Report of Dust Monitor

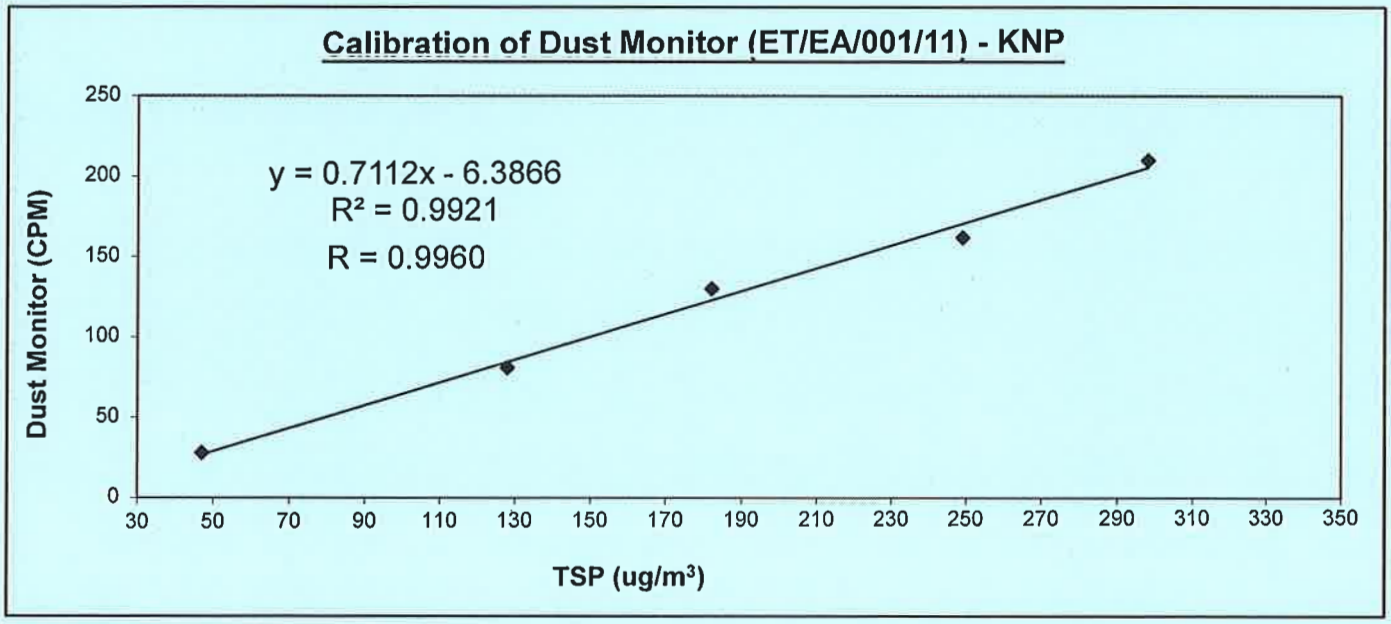
Manufacturer : SIBATA (LD-3B) Date of Calibration : 25 March 2024

Serial No. : 255863 (ET/EA/001/11) Calibration Due Date : 24 May 2024

Method : Parallel measurement (Five-point calibration) by placing the Dust Monitor and High Volume Air Samper together under the same environmental condition

Results :

Dust Monitor (CPM)	28	81	130	162	210
TSP (ug/m^3)	47	128	182	249	298
High Volume Air Sampler Serail No.:1180	Calibration Due Date: 18 April 2024				



Acceptance Criteria : Correlation coefficient (R) of the calibration curve greater than 0.990 after a five-point calibration

The Dust Trak Monitor complies * / ~~does not comply~~ * with the internal calibration procedures and is deemed acceptable */ ~~unacceptable~~ * for use.

Calibrated by : CHENG, Hei Man (Technician)

Checked by : LAU, Chi Leung (Environmental Team Leader)

- END OF REPORT -

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TEST REPORT

Internal Calibration Report of Dust Monitor

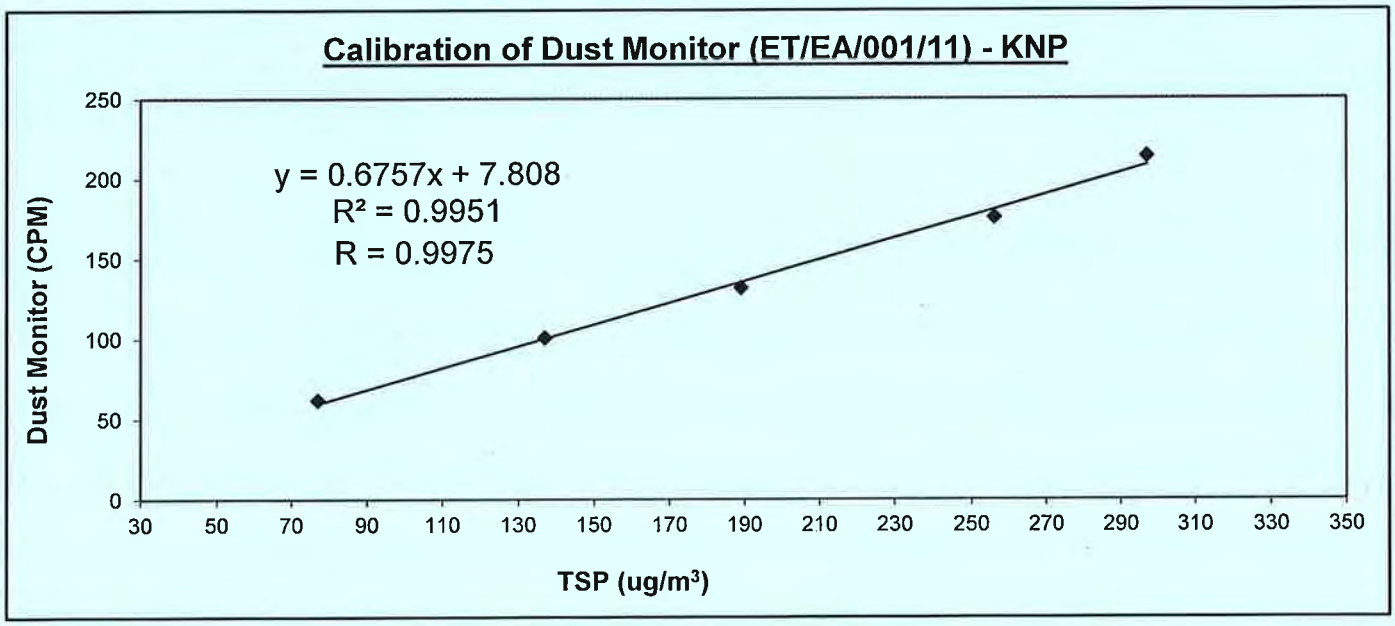
Manufacturer : SIBATA (LD-3B) Date of Calibration : 24 May 2024

Serial No. : 255863 (ET/EA/001/11) Calibration Due Date : 23 July 2024

Method : Parallel measurement (Five-point calibration) by placing the Dust Monitor and High Volume Air Samper together under the same environmental condition

Results :

Dust Monitor (CPM)	62	101	132	176	214
TSP (ug/m^3)	77	137	189	256	297
High Volume Air Sampler Serail No.:1180	Calibration Due Date: 17 June 2024				



Acceptance Criteria : Correlation coefficient (R) of the calibration curve greater than 0.990 after a five-point calibration

The Dust Trak Monitor complies * / ~~does not comply~~ * with the internal calibration procedures and is deemed acceptable */ ~~unacceptable~~ * for use.

Calibrated by : _____
CHENG, Hei Man
(Technician)

Checked by : _____
LAU, Chi Leung
(Environmental Team Leader)

- END OF REPORT -

APPENDIX D
ENVIRONMENTAL MONITORING SCHEDULES

Environmental Team for Site Formation and Infrastructure Works for Police Facilities in Kong Nga Po
Impact Air Quality and Noise Monitoring Schedule
May-2024

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28-Apr	29-Apr	30-Apr	1-May	2-May	3-May	4-May
		1-hr TSP x3 (AM1, AM2) **NM** (NM9 to NM14)				
5-May	6-May	7-May	8-May	9-May	10-May	11-May
	1-hr TSP x3 (AM1, AM2) **NM** (NM9 to NM14)				**1-hr TSP x3** (AM1, AM2)	
12-May	13-May	14-May	15-May	16-May	17-May	18-May
				1-hr TSP x3 (AM1, AM2) **NM** (NM9 to NM14)		
19-May	20-May	21-May	22-May	23-May	24-May	25-May
			1-hr TSP x3 (AM1, AM2) **NM** (NM9 to NM14)			
26-May	27-May	28-May	29-May	30-May	31-May	1-Jun
		1-hr TSP x3 (AM1, AM2) **NM** (NM9 to NM14)				

Environmental Team for Site Formation and Infrastructure Works for Police Facilities in Kong Nga Po
Impact Air Quality and Noise Monitoring Schedule
June-2024

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26-May	27-May	28-May	29-May	30-May	31-May	1-Jun
2-Jun	3-Jun	4-Jun	5-Jun	6-Jun	7-Jun	8-Jun
	1-hr TSPx3 (AM1, AM2)	NM (NM9 to NM14		1-hr TSPx3 (AM1, AM2)		
9-Jun	10-Jun	11-Jun	12-Jun	13-Jun	14-Jun	15-Jun
			1-hr TSPx3 (AM1, AM2)	NM (NM9 to NM14		
16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun
		1-hr TSPx3 (AM1, AM2)	NM (NM9 to NM14			
23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun
	1-hr TSPx3 (AM1, AM2)					1-hr TSPx3 (AM1, AM2) NM (NM9 to NM14
30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul

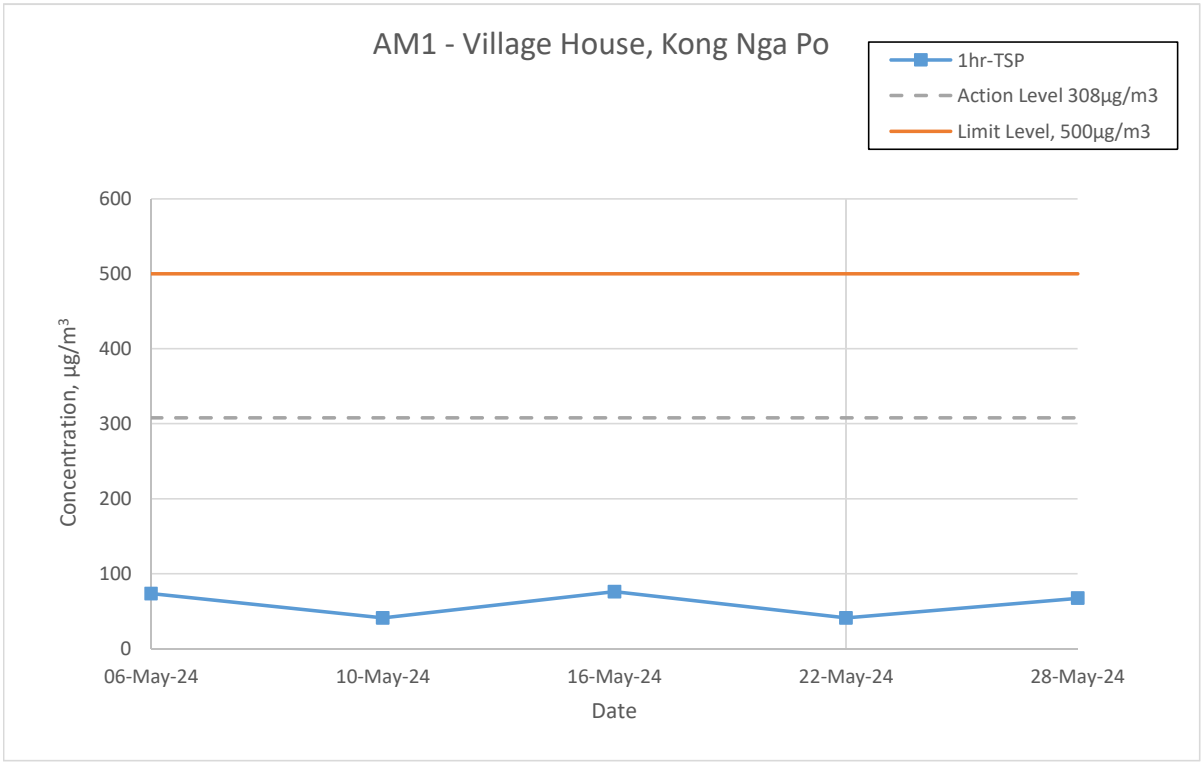
APPENDIX E
AIR QUALITY MONITORING RESULTS AND GRAPHICAL PRESENTATION

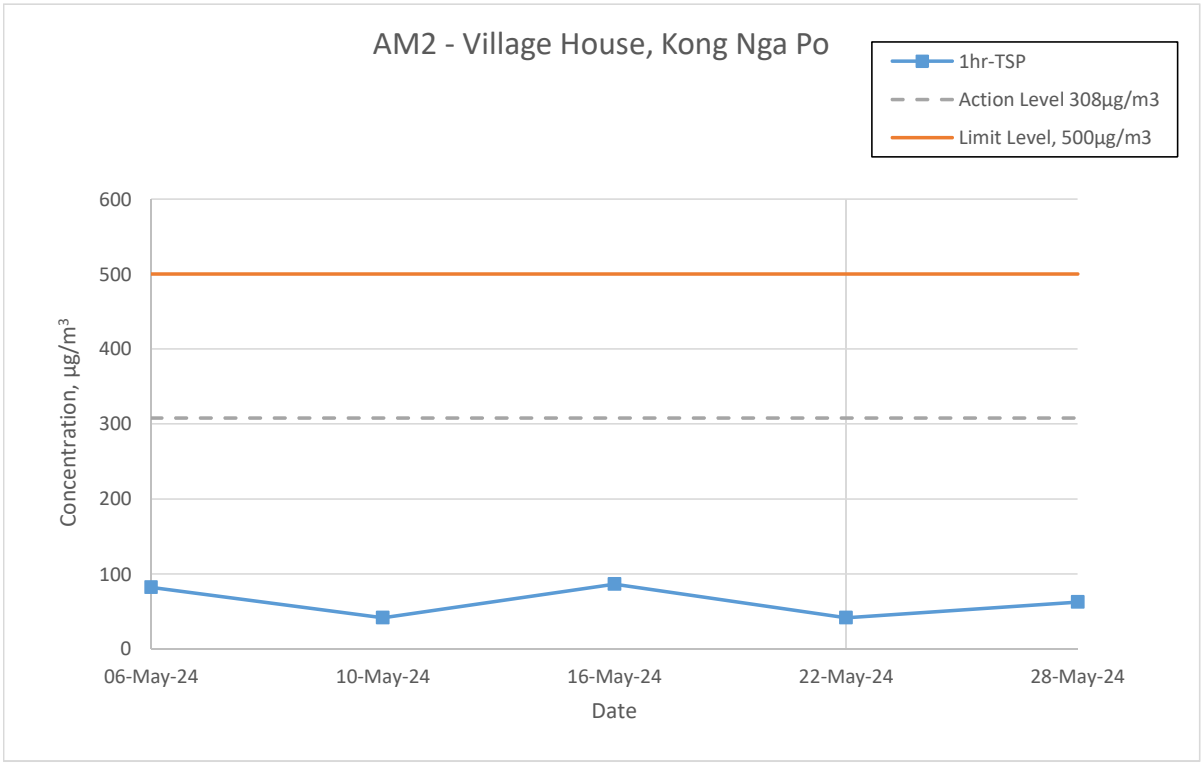
Appendix E - 1-hour TSP Monitoring Results

Location AM1 - Village House, Kong Nga Po			
Date	**Time**	**Weather**	**Particulate Concentration ($\mu g/m^3$)**
06-May-24	13:30	Cloudy	73
	14:30		70
	15:30		75
10-May-24	13:40	Fine	41
	14:45		42
	15:45		45
16-May-24	13:30	Fine	76
	14:30		77
	15:30		80
22-May-24	10:00	Cloudy	41
	11:00		42
	12:00		45
28-May-24	8:45	Fine	67
	9:45		64
	10:45		71
		Minimum	41
		Maximum	80
		Average	61

Location AM2 - Village House, Kong Nga Po			
Date	**Time**	**Weather**	**Particulate Concentration ($\mu g/m^3$)**
06-May-24	13:30	Cloudy	82
	14:30		85
	15:30		85
10-May-24	13:50	Fine	41
	14:55		39
	16:00		43
16-May-24	13:00	Fine	86
	14:30		89
	15:30		84
22-May-24	10:15	Cloudy	41
	11:15		39
	12:15		43
28-May-24	9:00	Fine	62
	10:00		67
	11:00		59
		Minimum	39
		Maximum	89
		Average	63

1-hr TSP Concentration Levels





APPENDIX F
NOISE MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix F -Noise Monitoring Results

Location NM9 - Village House, Kong Nga Po										
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average	Limit Level	Baseline
				L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}	L_{eq}
06-May-24	Cloudy	0.4	14:05	49.0	50.6	42.1	46.5	75.0	55.9
				44.1	45.4	41.3			
				44.9	46.5	40.7			
				46.5	47.5	43.6			
				44.4	47.6	39.8			
				47.6	48.9	46.0			
16-May-24	Fine	0.3	14:02	60.8	63.2	59.7	62.2	75.0	55.9
				60.3	61.3	59.4			
				60.6	61.5	59.7			
				62.9	64.2	60.8			
				64.8	66.9	60.4			
				61.9	64.0	57.6			
22-May-24	Cloudy	0.5	9:00	50.4	52.2	44.2	51.7	75.0	55.9
				52.9	53.6	44.6			
				50.7	52.5	44.1			
				50.8	52.5	44.0			
				50.5	52.4	44.2			
				53.7	55.4	45.1			
28-May-24	Fine	0.3	9:35	57.6	61.5	54.1	60.1	75.0	55.9
				58.3	63.0	55.7			
				58.0	62.3	55.3			
				61.9	64.2	57.6			
				62.1	63.7	56.2			
				60.4	62.8	55.8			

Location NM10 - Village House, Kong Nga Po										
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average	Limit Level	Baseline
				L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}	L_{eq}
06-May-24	Cloudy	0.5	13:30	50.8	53.9	40.9	53.1	75.0	52.8
				51.4	52.8	46.9			
				55.1	57.7	47.8			
				54.1	57.7	47.8			
				54.7	58.6	45.9			
				49.9	53.1	44.3			
16-May-24	Fine	0.4	13:30	55.6	55.9	52.6	59.0	75.0	52.8
				55.2	57.2	52.9			
				52.9	54.6	51.0			
				54.2	55.9	50.8			
				65.0	72.7	52.2			
				56.1	58.6	52.9			
22-May-24	Cloudy	1.5	10:15	56.2	58.3	51.6	58.5	75.0	52.8
				55.3	56.6	50.7			
				54.6	55.7	50.1			
				62.8	64.3	51.6			
				58.8	61.4	51.4			
				57.6	60.1	52.2			
28-May-24	Fine	0.3	9:00	53.1	55.4	49.0	54.0	75.0	52.8
				52.9	55.7	49.3			
				54.7	57.5	50.1			
				53.0	56.1	49.7			
				53.4	55.8	49.6			
				55.9	58.8	51.2			

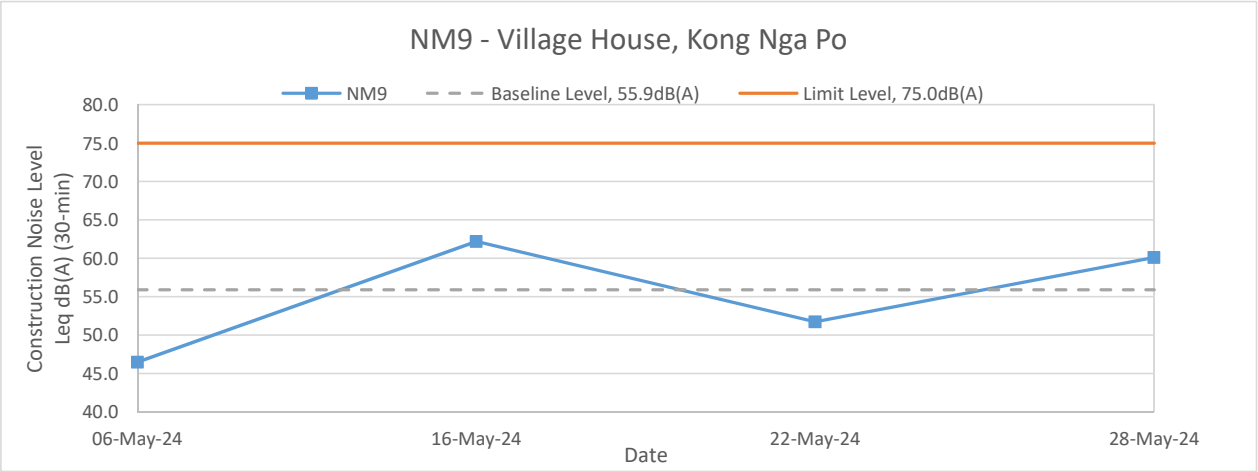
Location NM11 - Village House, Kong Nga Po										
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average	Limit Level	Baseline
				L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}	L_{eq}
06-May-24	Cloudy	0.4	14:45	51.2	51.9	35.1	54.9	75.0	46.4
				56.4	58.2	54.6			
				56.6	58.5	54.2			
				52.9	57.0	42.6			
				55.7	58.0	53.3			
				54.5	56.1	51.1			
16-May-24	Fine	0.4	14:35	48.4	50.3	48.4	51.1	75.0	46.4
				46.9	49.6	43.5			
				52.3	58.1	46.0			
				47.6	50.2	44.3			
				47.0	48.2	44.3			
				55.7	60.3	46.1			
22-May-24	Cloudy	1.2	9:32	56.5	58.1	54.1	56.8	75.0	46.4
				56.1	58.0	54.0			
				56.9	59.1	54.5			
				56.3	58.5	54.3			
				56.6	58.3	54.1			
				58.2	60.0	55.1			
28-May-24	Fine	0.3	10:15	50.4	53.2	46.1	55.0	75.0	46.4
				54.4	58.5	46.4			
				60.1	62.6	49.9			
				51.6	53.5	45.9			
				52.9	57.0	46.5			
				51.3	53.4	45.7			

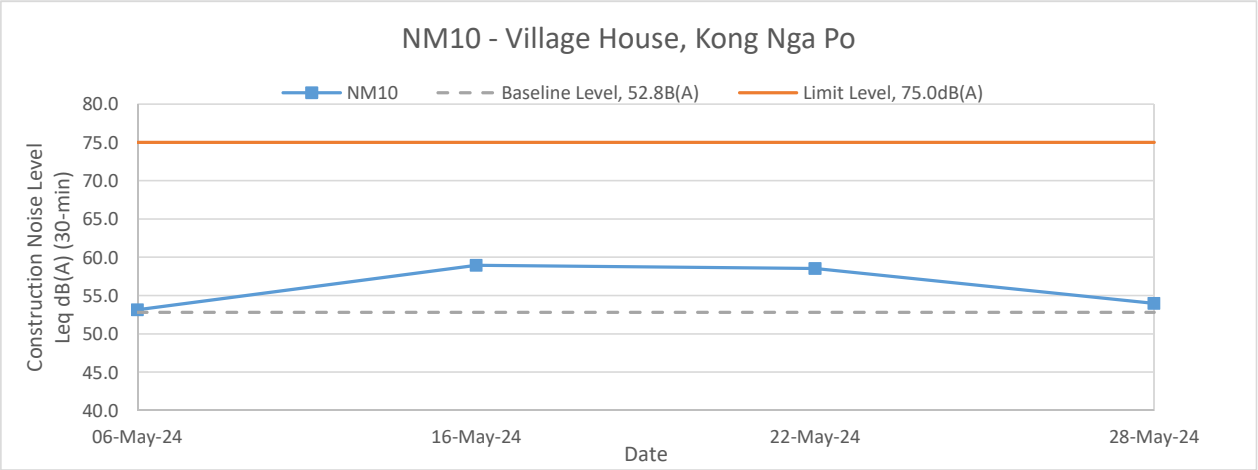
Location NM12 - Village House, Kong Nga Po										
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average	Limit Level	Baseline
				L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}	L_{eq}
06-May-24	Cloudy	0.2	13:30	50.2	52.0	47.4	50.7	75.0	54.7
				49.9	51.6	47.1			
				49.8	51.4	47.2			
				51.1	52.4	47.9			
				51.4	52.8	48.2			
				51.5	52.9	48.5			
16-May-24	Fine	0.2	13:30	49.2	51.7	46.1	49.0	75.0	54.7
				49.5	52.0	46.4			
				49.6	52.2	46.6			
				48.7	50.4	45.4			
				48.9	50.8	45.7			
				48.2	49.9	45.1			
22-May-24	Cloudy	0.4	14:08	59.4	62.7	52.7	59.5	75.0	54.7
				58.8	62.7	53.0			
				59.7	62.4	52.4			
				60.4	63.0	53.2			
				60.0	62.2	53.1			
				58.5	62.1	52.4			
28-May-24	Fine	0.3	8:45	54.5	56.2	51.2	55.0	75.0	54.7
				54.3	55.9	51.0			
				55.2	56.6	52.1			
				55.5	56.9	52.4			
				55.0	56.3	52.1			
				55.1	56.4	52.3			

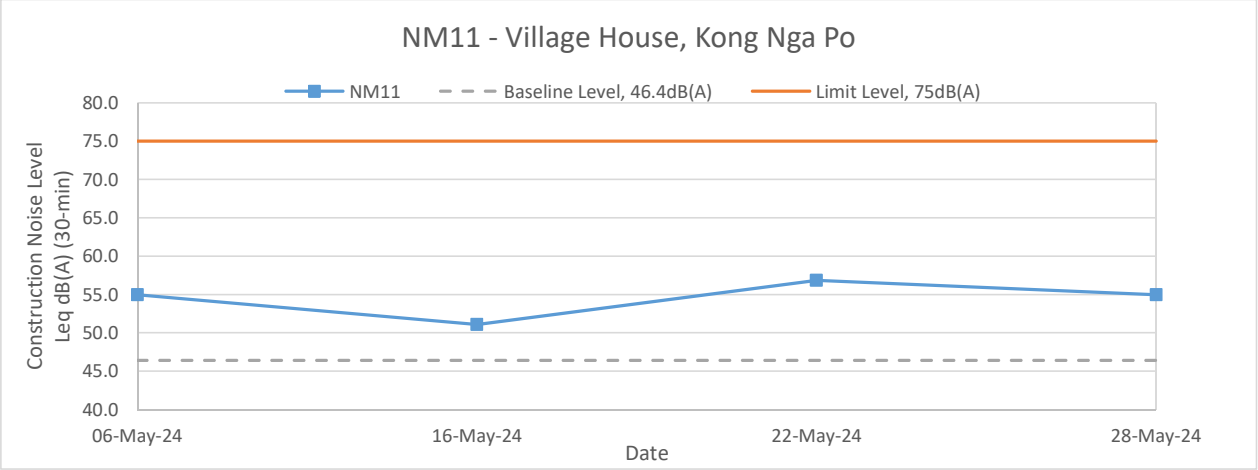
Location NM13 - Village House, Kong Nga Po									
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average	Limit Level	Baseline
				L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}	L_{eq}
06-May-24	Cloudy	0.2	14:15	53.4	55.0	50.2	52.9	75.0	61.3
				53.8	55.4	50.7			
				52.6	54.4	49.4			
				52.9	54.7	49.8			
				52.0	53.4	49.1			
				52.2	53.7	49.3			
16-May-24	Fine	0.2	14:10	52.4	54.0	48.8	53.8	75.0	61.3
				53.1	54.8	49.4			
				53.0	54.6	48.9			
				54.2	55.7	50.5			
				54.6	55.9	51.0			
				54.8	56.1	51.8			
22-May-24	Cloudy	0.3	14:15	60.0	62.5	56.4	58.8	75.0	61.3
				57.9	59.7	55.7			
				59.0	60.6	56.1			
				58.7	60.7	55.9			
				58.5	61.6	55.5			
				58.5	60.9	55.5			
28-May-24	Fine	0.3	9:30	57.4	58.9	53.8	56.9	75.0	61.3
				57.0	58.5	53.4			
				57.2	58.7	53.5			
				56.9	58.1	53.1			
				56.6	57.8	53.0			
				56.1	57.2	52.9			

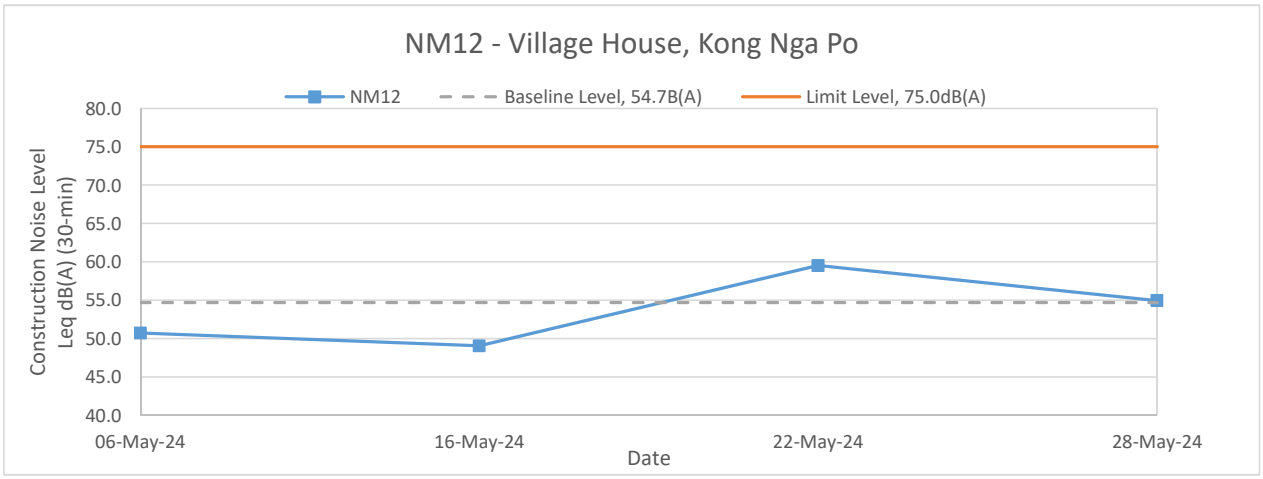
Location NM14 - Village House, near Man Kam To Road									
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average	Limit Level	Baseline
				L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}	L_{eq}
06-May-24	Cloudy	0.2	14:50	46.7	49.2	42.9	46.4	75.0	59.6
				47.1	49.5	43.4			
				47.3	49.7	43.6			
				46.0	48.4	42.5			
				45.4	47.2	42.1			
				45.6	47.5	42.3			
16-May-24	Fine	0.2	14:50	43.4	44.7	40.2	42.6	75.0	59.6
				42.8	44.4	39.7			
				42.7	44.3	39.5			
				41.8	43.4	38.0			
				41.9	43.5	38.2			
				42.5	44.0	39.8			
22-May-24	Cloudy	0.8	15:20	54.7	58.2	46.1	55.6	75.0	59.6
				53.3	57.1	46.3			
				56.7	60.4	47.6			
				54.5	58.3	46.4			
				57.2	61.7	48.2			
				56.0	61.4	48.0			
28-May-24	Fine	0.3	10:10	49.2	51.8	46.4	49.4	75.0	59.6
				49.5	52.0	46.8			
				49.7	52.3	47.2			
				49.9	52.5	47.5			
				48.8	51.4	45.9			
				48.9	51.5	46.0			

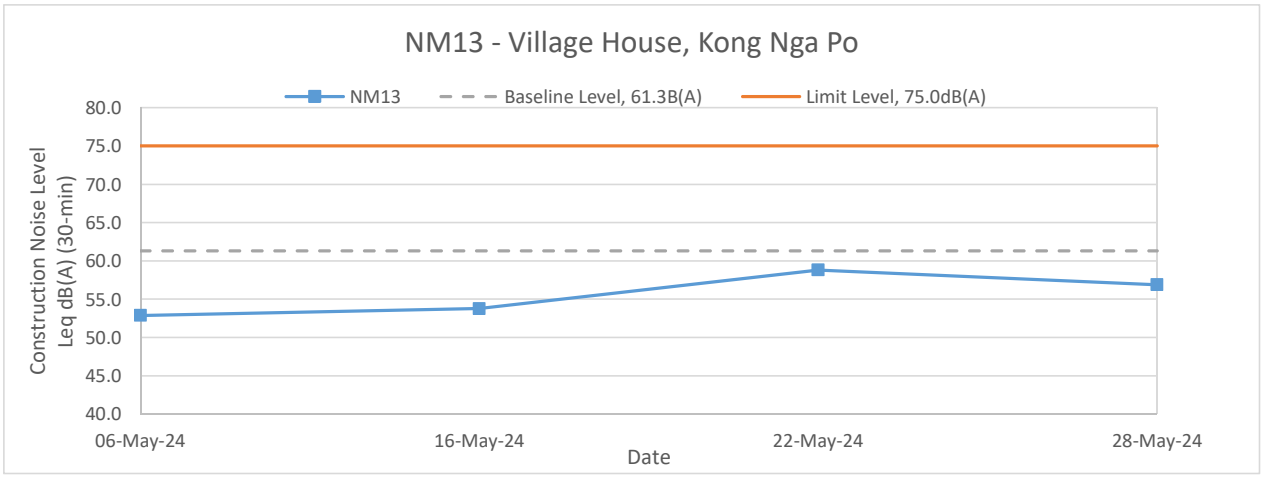
Noise Levels

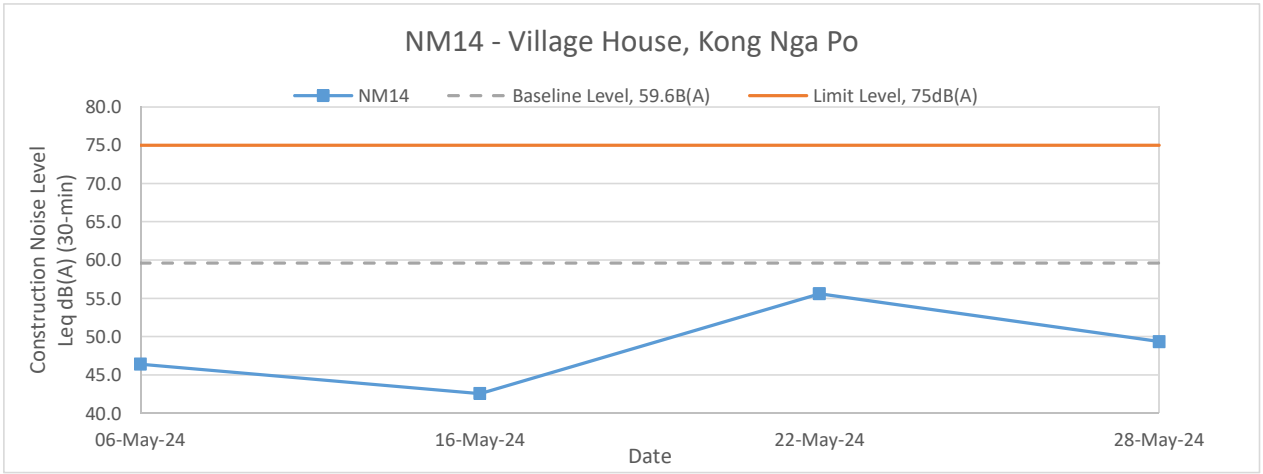







NM12 - Village House, Kong Nga Po
NM12
Baseline Level, 54.7B(A)
Limit Level, 75.0dB(A)
Construction Noise Level Leq dB(A) (30-min)
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
06-May-24
16-May-24
22-May-24
28-May-24
Date


NM13 - Village House, Kong Nga Po
NM13
Baseline Level, 61.3B(A)
Limit Level, 75.0dB(A)
Construction Noise Level Leq dB(A) (30-min)
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
06-May-24
16-May-24
22-May-24
28-May-24
Date


NM14 - Village House, Kong Nga Po
NM14
Baseline Level, 59.6B(A)
Limit Level, 75dB(A)
Construction Noise Level Leq dB(A) (30-min)
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
06-May-24
16-May-24
22-May-24
28-May-24
Date

APPENDIX G
WEATHER CONDITION

Appendix G –
General Weather Conditions during the Monitoring Period May 2024

Date May	Mean Pressure (hPa)	Air Temperature			Mean Dew Point Temperature (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)
		Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)				
1	1008.4	24.5	23.7	22.4	22.3	92	88	52.9
2	1011.7	25.6	24.6	23.7	22.4	88	88	1.1
3	1012.2	24.8	24.3	23.7	21.9	87	88	Trace
4	1009.3	25.4	24	22.4	22.8	93	88	75.1
5	1010	28.3	25.3	22.8	22.8	86	79	5.3
6	1012	31.9	27.7	24.6	24.2	82	53	-
7	1013.4	31	27.2	25.6	23.4	80	84	-
8	1014	30.3	26.7	25.1	22.2	76	82	Trace
9	1015.3	28.5	25.8	25	19.4	68	88	-
10	1015.1	26.9	25.3	24.2	19.9	72	88	Trace
11	1013.7	30	26.7	24.8	23	81	88	Trace
12	1011.7	30.7	27.1	25.3	24.3	85	87	3.1
13	1011.6	30.3	26.4	23.7	22.6	81	88	0.7
14	1013.7	29.2	25.5	23.1	18.1	64	40	-
15	1014.6	30.5	26.4	23.6	18.3	62	64	-
16	1014.8	29.2	26.2	24.6	17.5	60	55	-
17	1012.5	28.5	25.9	23.9	20.1	71	80	Trace
18	1009.6	28.6	26.3	25.1	20.6	71	88	Trace
19	1007.4	26.3	25.1	24.1	21.9	83	88	17.5
20	1006.8	25.4	24.5	23.9	23.1	92	88	30.7
21	1008.3	26.2	25.3	24.1	24.4	95	91	45.3
22	1008.9	27	26.1	25.2	24.5	91	91	Trace
23	1009.4	28.2	25.9	25	24.2	91	94	2.5
24	1010	26.4	25.3	24.6	24	92	92	17.6
25	1010.1	27.7	26.3	24.8	24.7	91	88	7.8
26	1008.3	30.2	27.4	25.7	25	87	88	0.3
27	1003.8	29.9	28.4	27.3	25.5	85	88	6.7
28	1002.9	32	28.1	26	24.9	83	88	8.9
29	1005.8	28.8	25.8	24.6	19.9	70	87	-
30	1005.9	26.2	25.5	24.6	22.9	86	88	3.7
31	1006.5	29.8	27.2	25.8	25.7	91	88	13.4
Mean/Total	1010.2	28.3	26	24.5	22.5	82	83	292.6
Normal*	1009.3	28.8	26.3	24.5	23	83	76	290.6

* The above information was extracted from the daily weather summary by Hong Kong Observatory.

APPENDIX H
ECOLOGICAL MONITORING RESULTS

Post-transplantation monitoring records for transplanted flora species
(May 2024)

Contract No.: SS K509
Design and Construction of
Kong Nga Po Police Training Facilities

Monitoring and Maintenance Works Report

INSPECTION DATE: 24 MAY 2024
REPORT DATE: 31 MAY 2024

PREPARED BY:
Lau Siu Yeung, Andy
(UKAA PR5206)

Version: 00

Audit Ref. No. _____

Contract SS K509

Inspected By Lau Siu Yeung (Andy)

Inspection Date 24/05/2024

Time Period 13:00 to 16:00

Part A Weather

Condition ☐ Sunny ☐ Fine ☐ Overcast ☐ Drizzle ☑ Rain ☐ Storm ☐ Hazy

Temperature 25.3 °C

Humidity ☑ High (RH>90%) ☐ Moderate (90%>RH>50%) ☐ Low (RH<50%)

Wind ☐ Calm ☐ Light ☑ Breeze ☐ Strong

Part B

		N/A or not observed	Yes	No	Follow-up	N/C	Remarks
1.	**Cycadfern *Brainea insignis***						
1.1	Are the plants' health conditions satisfactory?	☐	☑	☐	☐	☐	
1.2	Are transplanted plants on site protected carefully?	☐	☑	☐	☐	☐	
1.3	Are the temporary protective fence properly erected and maintained?	☐	☑	☐	☐	☐	
1.4	Are the plant protection zone set 1m from the plants?	☐	☑	☐	☐	☐	
1.5	Are all grassed and planted area kept free from weeds/unwanted plants?	☐	☑	☐	☐	☐	
1.6	Is compaction of the soil avoided for the plants?	☐	☑	☐	☐	☐	
1.7	Are litter/ unwanted material removed within the planting area?	☐	☑	☐	☐	☐	
1.8	Are equipment or stockpile placed outside the protection zone?	☐	☑	☐	☐	☐	
1.9	Are soil, debris or construction materials deposited around and against the trunk of a plant as this causes bark damage avoided?	☐	☑	☐	☐	☐	
1.10	Are fixings driven into plants avoided?	☐	☑	☐	☐	☐	
1.11	Are the plants used for anchoring or winching purposes or for the display of signs avoided?	☐	☑	☐	☐	☐	
1.12	Are the fire lit below the branches and petrol, oil or caustic substances stored near the plants avoided?	☐	☑	☐	☐	☐	
1.13	Are all plants kept free from pest, disease or fungal infection?	☐	☑	☐	☐	☐	
1.14	Are there enough area for growth and development of plant roots?	☐	☑	☐	☐	☐	
1.15a	Is exposure of plant roots avoided?	☐	☑	☐	☐	☐	
1.15b	If not, were broken off or rotting of roots avoided?	☐	☑	☐	☐	☐	

		N/A or not observed	Yes	No	Follow-up	N/C	Remarks
2.	**Ladies Tresses *Spiranthes sinensis***						
2.1	Are the plants' health conditions satisfactory?	☐	☑	☐	☐	☐	
2.2	Are transplanted plants on site protected carefully?	☐	☑	☐	☐	☐	
2.3	Are the temporary protective fence properly erected and maintained?	☐	☑	☐	☐	☐	
2.4	Are the plant protection zone set 1m from the plants?	☐	☑	☐	☐	☐	
2.5	Are all grassed and planted area kept free from weeds/unwanted plants?	☐	☑	☐	☐	☐	
2.6	Is compaction of the soil avoided for the plants?	☐	☑	☐	☐	☐	
2.7	Are litter/ unwanted material removed within the planting area?	☐	☑	☐	☐	☐	

		N/A or not observed	Yes	No	Follow-up	N/C	Remarks
2.8	Are equipment or stockpile placed outside the protection zone?	☐	☑	☐	☐	☐	
2.9	Are soil, debris or construction materials deposited around and against the trunk of a plant as this causes bark damage avoided?	☐	☑	☐	☐	☐	
2.10	Are fixings driven into plants avoided?	☐	☑	☐	☐	☐	
2.11	Are the plants used for anchoring or winching purposes or for the display of signs avoided?	☐	☑	☐	☐	☐	
2.12	Are the fire lit below the branches and petrol, oil or caustic substances stored near the plants avoided?	☐	☑	☐	☐	☐	
2.13	Are all plants kept free from pest, disease or fungal infection?	☐	☑	☐	☐	☐	
2.14	Are there enough area for growth and development of plant roots?	☐	☑	☐	☐	☐	
2.15a	Is exposure of plant roots avoided?	☐	☑	☐	☐	☐	
2.15b	If not, were broken off or rotting of roots avoided?	☐	☑	☐	☐	☐	

		N/A or not observed	Yes	No	Follow-up	N/C	Remarks
3.	**Incense Trees *Aquilaria sinesis***						
3.1	Are the trees's health conditions satisfactory?	☐	☐	☐	☐	☐	
3.2	Are transplanted trees on site protected carefully?	☐	☐	☐	☐	☐	
3.3	Are the temporary protective fence properly erected and maintained?	☐	☐	☐	☐	☐	
3.4	Are the tree protection zone set 1m from the trees?	☐	☐	☐	☐	☐	
3.5	Are all grassed and planted area kept free from weeds/unwanted plants?	☐	☐	☐	☐	☐	
3.6	Is compaction of the soil avoided for the trees	☐	☐	☐	☐	☐	
3.7	Are litter/ unwanted material removed within the planting area?	☐	☐	☐	☐	☐	
3.8	Are equipment or stockpile placed outside the protection zone?	☐	☐	☐	☐	☐	
3.9	Are soil, debris or construction materials deposited around and against the trunk of a tree as this causes bark damage avoided?	☐	☐	☐	☐	☐	
3.10	Are fixings driven into trees avoided?	☐	☐	☐	☐	☐	
3.11	Are the trees used for anchoring or winching purposes or for the display of signs avoided?	☐	☐	☐	☐	☐	
3.12	Are the fire lit below the branches and petrol, oil or caustic substances stored near the trees avoided?	☐	☐	☐	☐	☐	
3.13	Are all trees kept free from pest, disease or fungal infection?	☐	☐	☐	☐	☐	
3.14	Are there enough area for growth and development of tree roots?	☐	☐	☐	☐	☐	
3.15a	Is exposure of tree roots avoided?	☐	☐	☐	☐	☐	
3.15b	If not, were broken off or rotting of roots avoided?	☐	☐	☐	☐	☐	
3.16	Are wounds/mechanical injuries avoided on tree trunk?	☐	☐	☐	☐	☐	
3.17	Are leaning of trees avoided?	☐	☐	☐	☐	☐	
3.18	Are dead/detached branches avoided?	☐	☐	☐	☐	☐	
3.19	Are decay/cavity avoided on tree trunks?	☐	☐	☐	☐	☐	

Part C **Follow-up for the Previous Site Audit on Date:** _____ **(Ref. No.**_____**)**

		N/A or not observed	Yes	No	Follow-up	N/C	Remarks
1.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____
2.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____
3.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____
4.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____
5.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____
6.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____
7.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____
8.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____
9.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____
10.	Is the situation in item _____ improved/rectified?	☐	☐	☐	☐	☐	_____

Remarks/Observations

Heavy rain in May 2024 including yellow and red rainstorm warning signals with 11 days

Signatures:

Contractor's Representative

(Name: Lau Siu Yeung)
(Date: 31/05/2024)

Supervisor's Rep.

(Name:)
(Date:)

Inspection Date: 24/5/2024

Tree/Plant/ Colony No.	Number of Individuals	Species Name	Form (Good/Fair/Poor)	Health (Good/Fair/Poor)	Remark
C-0001	01	*Brainea insignis*	F	F	Young leaves observed
	02	*Brainea insignis*	F	F	Young leaves observed
	03	*Brainea insignis*	F	F	Young leaves observed
	04	*Brainea insignis*	F	F	Young leaves observed
	05	*Brainea insignis*	F	F	Young leaves observed
	06	*Brainea insignis*	F	F	Young leaves observed
	07	*Brainea insignis*	F	F	Young leaves observed
	08	*Brainea insignis*	F	F	Young leaves observed
C-0002	01	*Brainea insignis*	F	F	Young leaves observed
	02	*Brainea insignis*	F	F	Young leaves observed
	03	*Brainea insignis*	F	P	Young leaves observed
	04	*Brainea insignis*	F	P	Young leaves observed
	05	*Brainea insignis*	F	F	Young leaves observed
	06	*Brainea insignis*	F	F	Young leaves observed
	07	*Brainea insignis*	F	F	Young leaves observed
	08	*Brainea insignis*	F	F	Young leaves observed
C-0003	01	*Brainea insignis*	F	F	Young leaves observed
C-0004	01	*Brainea insignis*	P	P	Young leaves at base; Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	02	*Brainea insignis*	F	F	Young leaves observed
	03	*Brainea insignis*	F	F	Young leaves observed
	04	*Brainea insignis*	F	F	Young leaves observed
	05	*Brainea insignis*	F	F	Young leaves observed
	06	*Brainea insignis*	F	F	Young leaves observed
	07	*Brainea insignis*	F	F	Young leaves observed
	08	*Brainea insignis*	F	F	Young leaves observed
	09	*Brainea insignis*	P	P	Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	10	*Brainea insignis*	F	P	Young leaves at base
	11	*Brainea insignis*	F	F	Young leaves observed
	12	*Brainea insignis*	F	P	Young leaves observed
	13	*Brainea insignis*	-	-	Stem not found Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	14	*Brainea insignis*	F	F	Young leaves observed
	15	*Brainea insignis*	P	P	Young leaves at base; Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	16	*Brainea insignis*	P	P	Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	17	*Brainea insignis*	P	P	Young leaves observed
	18	*Brainea insignis*	-	-	Burned by bushfire initially outside the site boundary on 2 Feb 2021.
	19	*Brainea insignis*	F	P	-
	20	*Brainea insignis*	F	F	Young leaves observed

Contract No.: SS K509
Design and Construction of Kong Nga Po Police Training Facilities
Monitoring and Maintenance Works for Flora Species of Conservation Interest

Inspection Date: 24/5/2024

Tree/Plant/ Colony No.	Number of Individuals	Species Name	Form (Good/Fair/Poor)	Health (Good/Fair/Poor)	Remark
C-0005	01	*Brainea insignis*	F	F	Young leaves observed
	02	*Brainea insignis*	F	F	Young leaves observed
	03	*Brainea insignis*	F	F	Young leaves observed
	04	*Brainea insignis*	F	F	Young leaves observed
	05	*Brainea insignis*	F	P	Young leaves observed
	06	*Brainea insignis*	F	F	Young leaves observed
	07	*Brainea insignis*	F	F	Young leaves observed
C-0006	01	*Brainea insignis*	F	F	Young leaves observed
C-0007	01	*Brainea insignis*	F	F	Young leaves observed
	02	*Brainea insignis*	F	P	-
C-0008	01	*Brainea insignis*	F	F	Young leaves observed
	02	*Brainea insignis*	F	F	Young leaves observed
	03	*Brainea insignis*	P	P	Young leaves observed
	04	*Brainea insignis*	F	F	Young leaves observed
	05	*Brainea insignis*	F	F	Young leaves observed
	06	*Brainea insignis*	F	P	-
	07	*Brainea insignis*	F	P	Young leaves at base
C-0009	01	*Brainea insignis*	F	F	Young leaves observed
C-0010	01	*Brainea insignis*	F	F	Young leaves observed
	02	*Brainea insignis*	F	F	Young leaves observed
	03	*Brainea insignis*	F	F	Young leaves observed
C-0011	01	*Brainea insignis*	P	P	Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	02	*Brainea insignis*	F	P	-
	03	*Brainea insignis*	P	P	Young leaves at base
	04	*Brainea insignis*	F	F	Young leaves at base
	05	*Brainea insignis*	F	P	Young leaves at base
	06	*Brainea insignis*	F	F	Young leaves at base
	07	*Brainea insignis*	P	P	Young leaves at base
	08	*Brainea insignis*	F	F	Young leaves observed
	09	*Brainea insignis*	P	P	-
	10	*Brainea insignis*	F	F	Young leaves observed
	11	*Brainea insignis*	F	F	Young leaves observed
	12	*Brainea insignis*	P	P	-
	13	*Brainea insignis*	F	F	Young leaves observed

C0001(Patch)_01

C0001(Patch)_02

C0001(Patch)_03

C0001(Patch)_04

C0001(Patch)_05

C0001(Patch)_06

C0001(Patch)_07

C0001(Patch)_08

C0002(Patch)_01

C0002(Patch)_02

C0002(Patch)_03

C0002(Patch)_04

C0002(Patch)_05

C0002(Patch)_06

C0002(Patch)_07

C0002(Patch)_08

C-0003

C0004(Patch)_01

C0004(Patch)_02

C0004(Patch)_03

C0004(Patch)_04

C0004(Patch)_05

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C0004(Patch)_07

C0004(Patch)_08

C0004(Patch)_09

C0004(Patch)_10

C0004(Patch)_11

C0004(Patch)_12

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C0004(Patch)_14

C0004(Patch)_15

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C0004(Patch)_17

C0004(Patch)_18

C0004(Patch)_19

C0004(Patch)_20

C0005(Patch)_01

C0005(Patch)_02

C0005(Patch)_03

C0005(Patch)_04

C0005(Patch)_05

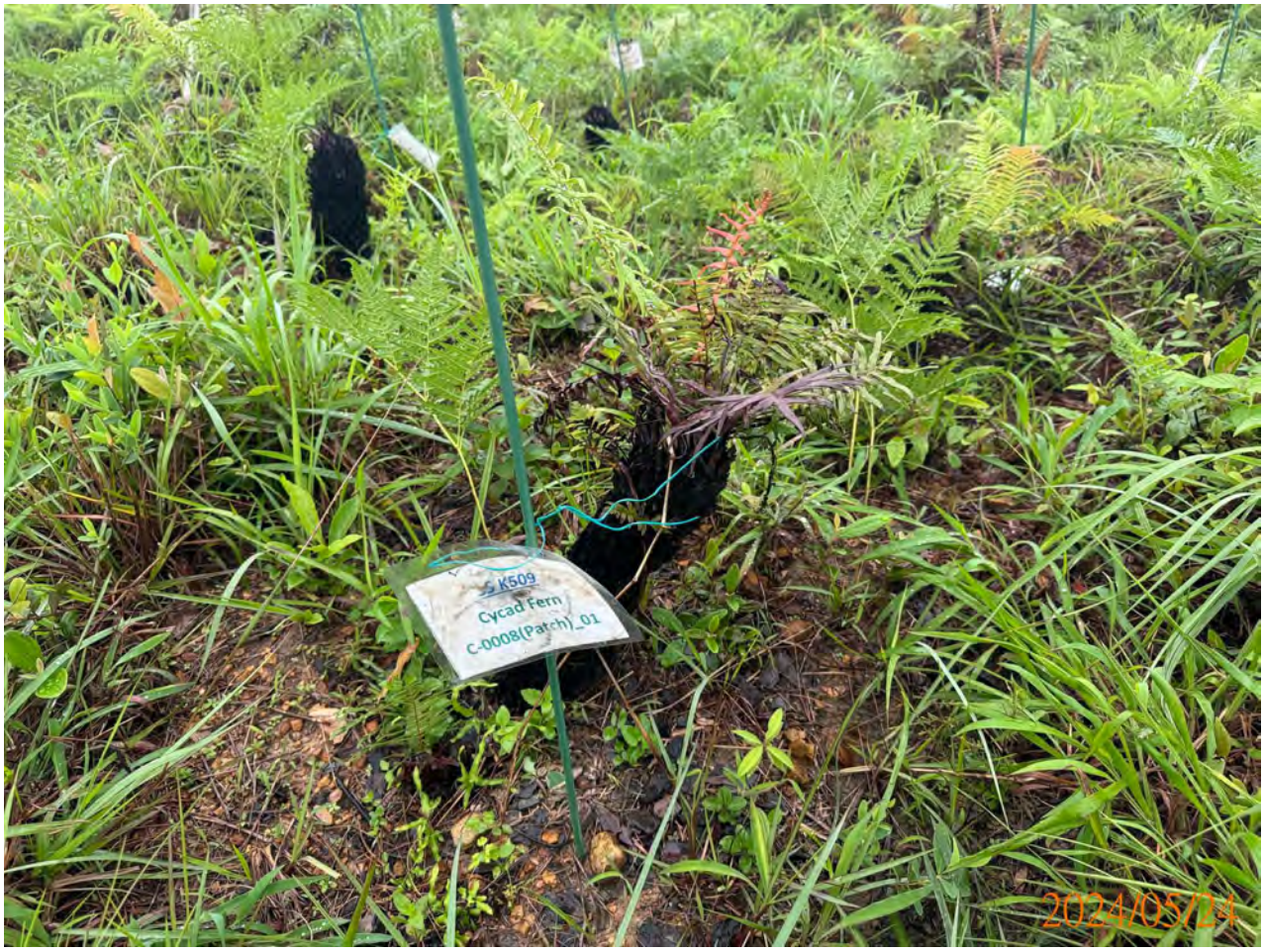
C0005(Patch)_06

C0005(Patch)_07

C-0006

C0007(Patch)_01

C0007(Patch)_02



C0008(Patch)_01

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C-0009

C0010(Patch)_01

C0010(Patch)_02

C0010(Patch)_03

C0011(Patch)_01

C0011(Patch)_02

C0011(Patch)_03

C0011(Patch)_04

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C0011(Patch)_13

Contract No.: SS K509
Design and Construction of Kong Nga Po Police Training Facilities
Monitoring and Maintenance Works for Flora Species of Conservation Interest

Inspection Date: 24/5/2024

Tree/Plant/ Colony No.	Species Name	Form (Good/Fair/Poor)	Health (Good/Fair/Poor)	Remark
L-0001	*Spiranthes sinensis*	-	-	Not observed
L-0002	*Spiranthes sinensis*	-	-	Not observed
L-0003	*Spiranthes sinensis*	F	F	Leaf observed
L-0004	*Spiranthes sinensis*	P	P	Leaf observed
L-0005	*Spiranthes sinensis*	-	-	Not observed
L-0006	*Spiranthes sinensis*	-	-	Not observed
L-0007	*Spiranthes sinensis*	-	-	Not observed
L-0008	*Spiranthes sinensis*	F	F	Leaf observed
L-0009	*Spiranthes sinensis*	-	-	Not observed
L-0010	*Spiranthes sinensis*	-	-	Not observed
L-0011	*Spiranthes sinensis*	-	-	Not observed
L-0012	*Spiranthes sinensis*	-	-	Not observed
L-0013	*Spiranthes sinensis*	-	-	Not observed
L-0014	*Spiranthes sinensis*	P	P	Leaf observed
L-0015	*Spiranthes sinensis*	P	P	Leaf observed
L-0016	*Spiranthes sinensis*	-	-	Not observed
L-0018	*Spiranthes sinensis*	F	F	Leaf observed
L-0019	*Spiranthes sinensis*	-	-	Not observed
L-0020	*Spiranthes sinensis*	-	-	Not observed
L-0021	*Spiranthes sinensis*	-	-	Not observed
L-0022	*Spiranthes sinensis*	F	F	Leaf observed
L-0023	*Spiranthes sinensis*	-	-	Not observed
L-0024	*Spiranthes sinensis*	P	P	Leaf observed
L-0025	*Spiranthes sinensis*	-	-	Not observed
L-0026	*Spiranthes sinensis*	-	-	Not observed
L-0027	*Spiranthes sinensis*	-	-	Not observed
L-0028	*Spiranthes sinensis*	-	-	Not observed
L-0029	*Spiranthes sinensis*	-	-	Not observed
L-0030	*Spiranthes sinensis*	-	-	Not observed
L-0031	*Spiranthes sinensis*	F	F	Leaf observed
L-0032	*Spiranthes sinensis*	-	-	Not observed
L-0033	*Spiranthes sinensis*	-	-	Not observed
L-0034	*Spiranthes sinensis*	-	-	Not observed
L-0035	*Spiranthes sinensis*	-	-	Not observed
L-0036	*Spiranthes sinensis*	-	-	Not observed
L-0037	*Spiranthes sinensis*	F	F	Leaf observed
L-0038	*Spiranthes sinensis*	P	P	Leaf observed
L-0039	*Spiranthes sinensis*	-	-	Not observed
L-0040	*Spiranthes sinensis*	-	-	Not observed
L-0041	*Spiranthes sinensis*	-	-	Not observed
L-0042	*Spiranthes sinensis*	-	-	Not observed


SS K509
Ladies Tresses
L-0001
2024/05/24

L-0001


SS K509
Ladies Tresses
L-0002
2024/05/24

L-0002


SS K509
Ladies Tresses
L-0003
2024/05/24

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Ladies Tresses
L-0041
2024/05/24

L-0041

L-0042

Contract No.: SS K509
Design and Construction of Kong Nga Po Police Training Facilities
Monitoring and Maintenance Works for Flora Species of Conservation Interest

Hong Da Landscaping Limited
Vegetation Maintenance Record Sheet (May 2024)

Description of Work	Date																												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Watering								Y		Y				Y		Y														
Weeding																								Y						
Fertilization																														
Pest/Disease Control																														
Firming up of fence																								Y						
Installation of shaded net																														
Mulching																														
Inspection																								Y						
Checking of Protection Zone																								Y						
Remarks	R, RH	R, MH	MH	R, MH	R, MH	MH	MH	MH	MH	MH	MH	R, MH	R, MH	MH	MH	MH	MH	MH	R, MH	R, RH	R, RH	RH	R, RH	R, RH	R, RH	R, MH	R, MH	R, MH	R, MH	R, MH

	Public Holiday		H-Hot	D-Drizzle		R-Rainy		W-Windy		RH-High Humidity	MH-Medium Humidity	LH-Low Humidity		

weeding (1)

weeding (2)

weeding (3)

Post-transplantation Monitoring Checklist
Police Facilities in Kong Nga Po

Contract: Provision of Environmental Team Consultancy for Design and Construction of Kong Nga Po Police Training Facilities (Programme no. 279LP)

Inspected By: ET

Inspection Date: 29-5-2024

Part A Weather

Condition	☐ Sunny	☑ Fine	☐ Overcast	☐ Drizzle
	☐ Rain	☐ Hazy		
Wind	☐ Calm	☑ Light	☐ Breeze	☐ Strong

Part B

		N/A or not observed	Yes	NO	Remarks
1	**Cycadfern Brainea insignis**				
1.1	Is the general well-being of the plants deemed satisfactory?	☑	☐	☐	
1.2	Are appropriate measures being taken to ensure the careful protection of the transplanted plants on site?	☑	☐	☐	
1.3	Has the temporary protective fence been correctly installed and is it being properly maintained?	☐	☑	☐	
1.4	Has the plant protection zone been established at a distance of 1m from the plants as required?	☑	☐	☐	
1.5	Are all areas covered with grass and plants consistently maintained free from weeds and unwanted vegetation?	☑	☐	☐	
1.6	Are measures taken to prevent soil compaction and protect the plants?	☑	☐	☐	
1.7	Is prompt removal of litter and unwanted materials maintained in the planting area?	☐	☑	☐	
1.8	Are fixings being prevented from being driven into the plants?	☑	☐	☐	
1.9	Are the plants being intentionally avoided for the purpose of anchoring, winching, or displaying signs?	☑	☐	☐	
1.10	Are all plants consistently maintained free from pests, diseases, or fungal infections?	☑	☐	☐	
1.11	Is there sufficient space provided for the growth and development of plant roots?	☑	☐	☐	
1.12a	Is the exposure of plant roots being prevented?	☑	☐	☐	
1.12b	If not, are broken or rotting roots being avoided?	☑	☐	☐	
2	**Ladies Tresses Spiranthes sinensis**				
2.1	Is the general well-being of the plants deemed satisfactory?	☑	☐	☐	
2.2	Are appropriate measures being taken to ensure the careful protection of the transplanted plants on site?	☑	☐	☐	
2.3	Has the temporary protective fence been correctly installed and is it being properly maintained?	☐	☑	☐	
2.4	Has the plant protection zone been established at a distance of 1m from the plants as required?	☑	☐	☐	
2.5	Are all areas covered with grass and plants consistently maintained free from weeds and unwanted vegetation?	☑	☐	☐	
2.6	Are measures taken to prevent soil compaction and protect the plants?	☑	☐	☐	
2.7	Is prompt removal of litter and unwanted materials maintained in the planting area?	☐	☑	☐	
2.8	Are fixings being prevented from being driven into the plants?	☑	☐	☐	
2.9	Are the plants being intentionally avoided for the purpose of anchoring, winching, or displaying signs?	☑	☐	☐	
2.10	Are all plants consistently maintained free from pests, diseases, or fungal infections?	☑	☐	☐	
2.11	Is there sufficient space provided for the growth and development of plant roots?	☑	☐	☐	
2.12a	Is the exposure of plant roots being prevented?	☑	☐	☐	
2.12b	If not, are broken or rotting roots being avoided?	☑	☐	☐	

Advice/Observations

1) Please refer to the guidelines on soil improvement issued by the Greening,Landscape and Tree Management Section (GLTMS) of the development bureau (2022)to apply to monitoring and maintenance of transplanted flora species.
2) Daily watering frequency is needed to keep the soil moist.
3) Installation of a shaded net is provided below.
4) The wild plants that are growing in undesirable areas should be removed.
5) The damaged Black Shade Net should be repaired or replaced with a new one.

IEC	ET	Contractor Representative
Name: Mr. Law	**Name:** Mr. Chow	**Name: Marian Kong**
Date	Date 29-5-2024	Date

The installation of a shaded net

Remark: Non scale & Conceptual drawing

APPENDIX I
EVENT ACTION PLANS

Appendix I:

Table I-1: Event / Action Plan for Air Quality

EVENT	ACTION			
	ET	IEC	PERMIT HOLDER	CONTRACTOR
ACTION LEVEL				
1. Exceedance for one sample	1. Identify source, investigatethe causes of exceedance and propose remedial measures; 2. Inform IEC,ER and Contractor; 3. Repeat measurement to confirm finding; and 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method.	1. Notify Contractor.	1. Rectify any unacceptable practice: 2. Amend working methods if appropriate.
2. Exceedance for two or more consecutive samples	1. Identify source; 2. Inform IEC, ER andContractor; 3. Advise the WKCDA on theeffectiveness of the proposed remedial measure; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedialactions required; 7. If exceedance continues, arrange meeting with IECand ER; and	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; and 5. Monitor Implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; and 3. Ensure remedial measures properly implemented.	1. Submit proposals for remedial to ER within 3 working days of notification; 2. Implement the agreed proposals; and 3. Amend proposal if appropriate.

EVENT	ACTION			
	ET	IEC	PERMIT HOLDER	CONTRACTOR
	8. If exceedance stops, cease additional monitoring.			
LIMIT LEVEL				
1.Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform ER, Contractor and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; and 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and the ER informed of the results.	1. Check monitoring data submitted byET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness ofthe proposed remedial measures;and 5. Monitor the implementation of remedial measures.	1. Confirm receipt ofnotification of failure in writing; 2. Notify Contractor;and 3. Ensure remedial measures properly implemented.	1. Take immediate actionto avoid further exceedance; 2. Submit proposals for remedial actions to IECwithin 3 working days of notification; 3. Implement the agreedproposals; and 4. Amend proposal if appropriate.
2.Exceedance for two or more consecutive samples	1. Notify IEC, the ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine	1. Check monitoring data submitted byET; 2. Check Contractor's working method; 3. Discuss amongst ER, ET, and Contractor on the potential remedial actions;	1. Confirm receipt ofnotification of failure in writing; 2. Notify Contractor; 3. In consultation with IEC, agree with the Contractor on theremedial measures to be implemented;	1. Take immediate actionto avoid further exceedance; 2. Submit proposals for remedial actions to IECwithin 3 working days of notification; 3. Implement the agreedproposals;

EVENT	ACTION			
	ET	IEC	PERMIT HOLDER	CONTRACTOR
	possible mitigation to be implemented; 6. Arrange meeting with IEC, and ER to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring.	4. Review Contractor's remedial actions whenever necessary to assuretheir effectiveness and advise the ER accordingly; and 5. Monitor implementation of remedial measures.	4. Ensure remedial measures properly implemented; and 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stopthat portion of work until the exceedances is abated.	4. Resubmit proposals if problem still not undercontrol; and 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Abbreviations: ET – Environmental Team, IEC – Independent Environmental Checker

Table I-2: Event / Action Plan for Construction Noise

EVENT	ACTION			
	ET	**IEC**	**PERMIT HOLDER**	**CONTRACTOR**
Action Level	1. Notify ER, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; and 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the monitoring data submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise ER; and 3. Advise the ER on the effectiveness of the proposed remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measure to be implemented: and 4. Supervise the implementation of remedial measure.	1. Submit noise mitigation proposals to IEC and ER; and 2. Implement noise mitigation proposals.
Limit Level	1. Inform IEC, ER and Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase the monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor's working procedures; 6. Discuss with the IEC, Contractor and ER on	1. Discuss amongst the ER, ET, and Contractor on the potential remedial actions; and 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly;	1. Confirm receipt of notification of failure in writing; 2. Notify the Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; and 5. If exceedance continues, consider	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to the IEC and ER within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; and 5. Stop the relevant portion of works as

EVENT	ACTION			
	ET	IEC	PERMIT HOLDER	CONTRACTOR
	remedial measure required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring.		stopping the Contractor to continue working in that portion of work which causes the exceedance until the exceedance is abated.	determined by the ER until the exceedance is abated.

Abbreviations: ET – Environmental Team, IEC – Independent Environmental Checker

Table I-3: Event / Action Plan for Landscape and Visual Mitigation Measures

EVENT	ACTION			
	ET	**IEC**	**PERMIT HOLDER**	**CONTRACTOR**
Non-conformity on one occasion	Identify source. Inform IEC and ER. Discuss remedial actions with IEC, ER and Contractor. Monitor remedial actions until rectification has been completed.	Check report. Check Contractor's working method. Discuss with ET and Contractor on possible remedial measures. Advise ER on effectiveness of proposed remedial measures. Check implementation of remedial measures.	Notify Contractor. Ensure remedial measures are properly implemented	Amend working methods to prevent recurrence of nonconformity. Rectify damage and undertake additional action necessary.
Repeated Nonconformity	Identify source. Inform IEC and ER. Increase monitoring frequency. Discuss remedial actions with IEC, ER and Contractor. Monitor remedial actions until rectification has been completed. If non-conformity stops, cease additional monitoring.	Check monitoring report. Check Contractor's working method. Discuss with ET and Contractor on possible remedial measures. Advise ER on effectiveness of proposed remedial measures. Supervise implementation of remedial measures.	Notify Contractor. Ensure remedial measures are properly implemented.	Amend working methods to prevent recurrence of nonconformity. Rectify damage and undertake additional action necessary.

Abbreviations: ET – Environmental Team, IEC – Independent Environmental Checker

APPENDIX J
SUMMARY OF EXCEEDANCE

Appendix J: Exceedance Report

(A) Exceedance Report for Air Quality

Environmental Monitoring	Parameter	No. of non-project related Exceedance		No. of Exceedance related to the Construction Activities of this Contract		Cumulative No. of Exceedance recorded
		Action Level	Limit Level	Action Level	Limit Level	
Air Quality	1-hr TSP	0	0	0	0	0

(B) Exceedance Report for Construction Noise

Environmental Monitoring	Parameter	No. of non-project related Exceedance		No. of Exceedance related to the Construction Activities of this Contract		Cumulative No. of Exceedance recorded
		Action Level	Limit Level	Action Level	Limit Level	
Noise	$L_{eq(30\ min.)}$ dB(A)	0	0	0	0	0

APPENDIX K
ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measure & Main Concerns to address	Implementation Agent	Location / Duration of the measure	Implementation Stages[1]			Relevant Legislation & Guidelines	Implementation Status
						Des	C	O		
Air Quality Impact Construction Phase										
3.9.1	2.2	**Dust Control Measures** To achieve compliance with the FSP, RSP and TSP criteria during the construction phase, good practices for dust control should be implementedto reduce dust impacts. The dust control measures are detailed as follows:	Construction Dust	Contractor	Project construction site / Duration of the construction phase / Prior to commencement of operation		✓		EIA Recommendation and Air Pollution Control (Construction Dust) Regulation	
		■ Covering 80% of stockpiling area by impervious sheets and spraying all dusty material with water immediately prior to any loading transfer operations to keep the dusty materials wet during material handling at the stockpile areas								Y
		Disturbed Parts of the Roads ■ Main temporary access points should bepaved with concrete, bituminous hardcore materials or metal plates and be kept clear of dusty materials; or ■ Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet.								Y
		Wheel washing ■ Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.								Y
		Use of vehicles ■ The speed of the trucks within the site should be controlled to about 10 km/hour in order to reduce adverse dust impacts and secure the safe movement around the site. ■ Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.								Y
		Site hoarding ■ Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit								Y

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measure & Main Concerns to address	Implementation Agent	Location / Duration of the measure	Implementation Stages[1]			Relevant Legislation & Guidelines	Implementation Status
						Des	C	O		
Noise Impact Construction Phase										
4.4.6	3.2	**Good Site Practice** Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:	Maintain good site practice to minimise / avoid construction noise impact	Contractor	Within the Project site / During construction phase / Prior to commencement of operation.		✓		EIAO and Noise Control Ordinance	
		■ only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works;								Y
		■ material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities.								Y
		Adoption of QPME QPME should be adopted as far as applicable.								Y
		Use of Noise Enclosure/ Acoustic Shed Noise enclosure or acoustic shed should be used to cover stationary PME such as air compressor and generator.								Y
		Use of Noise Insulating Fabric Noise insulating fabric can also be adopted for certain PME (e.g. pilling machine etc.).								Y

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measure & Main Concerns to address	Implementation Agent	Location / Duration of the measure	Implementation Stages[1]			Relevant Legislation & Guidelines	Implementation Status
						Des	C	O		
Water Quality Impact Construction Phase										
5.6.1.1	4.2	**General Construction Activities** The following measures should be implemented: -	Maintain good site practices to avoid pollution of water courses	Contractor	Within the Project site / During construction phase		✓		Water Pollution Control Ordinance (Cap. 358), ProPECC Note PN 1/94	
5.6.1.2	4.2	■ Construction waste, debris and refuse generated on-site should be stored or contained appropriately to prevent them entering nearby watercourses or blocking stormwater drains. ■ Regular off-site removal of these materials should be maintained to minimise the volume of waste present on the construction site at any one time.								Y
		Construction Site Runoff The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended: ■ Temporary site drainage facilities are to be designed and implemented by the Contractor prior to commencement of construction to convey surface runoff to storm drains applying adequately designed silt/ sand removal traps and sediment basins. ■ Runoff into the excavation areas during rainstorm events shall be minimised as far as practicable. Any wastewater pumped out of the excavation areas shall be treated to remove suspended solids prior to discharge. ■ Open stockpiles of material should be covered on site with waterproof layers such as tarpaulin to reduce the potential for sediment laden runoff entering the drainage system. ■ The wheels of all vehicles and plant should be cleaned before leaving the works areas to remove sediment, soil and debris from the tracks. The washwater should be treated to remove any suspended sediment. ■ Manholes (including those constructed as part of the Project) should be adequately covered and temporarily sealed at all times to prevent silt, construction materials or								Y

		debris from entering the drainage system, and to prevent storm runoff from entering foul sewers. The discharge of surface runoff into foul sewers should be prevented so as not to overload the sewerage system. ■ Discharges should be collected by the temporary drainage system installed by the Contractor and treated on-site to remove sediment prior to discharge to the off-site drainage areas. The Contractor is required to obtain a discharge licence from EPD under the WPCO for all discharges from site with all discharges meeting the water quality requirements of the Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-DSS)								
5.6.1.3	4.2	**Accidental Spillage of Chemicals** In accordance with the Waste Disposal (Chemical Waste) (General) Regulation (Cap 354C), the following measures should be implemented: ■ The labelling and storage of chemicals should be in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes and maintained at all times by the Contractor. ■ Oils and fuels should only be stored in designated areas which have appropriate pollution prevention control facilities such as oil and grease traps.	Prevent accidental discharge of chemicals into the surrounding environment	Contractor	Within the Project site / During construction phase		✓		Code of Practice on the Packaging Labelling and Storage of Chemical Wastes; Waste Disposal (Chemical Waste) (General) Regulation (Cap 354C)	Y
5.6.1.4	4.2	**Sewage from Construction Workforce** Portable toilets should be available throughout the construction phase and regularly maintained, collected and disposed by a licensed wastecollector to a public sewage treatment works for suitable treatment.	Prevent discharge of sewage into the surrounding environment	Contractor	Within the Project site / During construction phase		✓		Water Pollution Control Ordinance (Cap. 358), ProPECC Note PN 1/94	Y

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measure & Main Concerns to address	Implementation Agent	Location / Duration of the measure	Implementation Stages[1]			Relevant Legislation & Guidelines	Implementation Status
						Des	C	O		
Ecological Impact										
9.7.1	8.3	**Temporary Protective Fence for Flora Species of Conservation Interest** During construction phase, erection and maintenance of a temporary protective fence enclosing the flora species of conservation interest identified under the detailed vegetation survey is recommended. Monthly monitoring of any other flora species of conservation interest identified in the detailed vegetation survey should be conducted during the construction phase.	To avoid potential impact on flora species of conservation interest from construction activities such as materials storage; To make sure that the flora species of conservation interest are not affected by the construction activities of the Project	Contractor	Project construction site / Throughout construction stage / Until completion of all construction activities		✓		EIAO-TM	Y
Landscape and Visual Impacts Construction Phase										
Table 10.11	Table 9.1	CM01: Trees / woodland within the Project Site which are unaffected by the works shall be protected and preserved during the detailed design stage and construction phase. The tree preservation proposals shall be coordinated with the layout and design of the engineering and architectural works at detailed design stage for further retention of individual trees. The preservation of existing tree shall provide instant greening and screening effect for proposed works. Tree protection works will be undertaken in accordance with DEVB TC(W) 7/2015 on "Tree Preservation" and tree risk assessment in accordance with "Guidelines for Tree Risk Assessment and Management Arrangement by DEVB.	Preserve and protect existing trees	Contractor	Project area / During design stage / construction phase / Establishment Period	✓	✓		EIAO-TM; Protection of Endangered Species of Animals and Plants Ordinance (Cap 586); DEVB TC(W) No. 6/2015 Maintenance of Vegetation and Hard Landscape Features; ETWB TCW No. 29/2004 Registration of Old and Valuable Trees, and Guidelines for their Preservation; DEVB TC(W) No. 07/2015 -Tree Preservation; ETWB (2/2007) - General Guidelines on Tree Pruning; GLTMS (12/2013)	Y

									-Guidelines for Tree Risk Assessment and Management Arrangement on an Area Basis and on a Tree Basis	Y

Note 1: Des = Design; C = Construction; O = Operation

APPENDIX L
WASTE GENERATION IN THE REPORTING MONTH

Name of Department: ArchSD

Monthly Summary Waste Flow Table for 2024 (year)

Project : Design and Construction of Kong Nga Po Police Training Facilities Contract No.: SS K509

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Bituminous Material	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000 m^3)
Cumulative in 2023	16.796	0.000	0.000	0.000	0.000	16.796	0.000	0.000	0.041	0.054	0.000	0.657
Jan	3.263	0.000	0.000	0.000	0.000	3.263	0.000	0.000	0.000	0.000	0.000	0.117
Feb	0.423	0.000	0.000	0.000	0.208	0.215	0.000	0.003	0.225	0.009	0.000	0.111
Mar	4.882	0.000	0.000	0.000	1.216	3.666	0.000	12.066	0.000	0.384	0.000	0.195
Apr	1.859	0.000	0.000	0.000	0.013	1.846	0.000	0.000	0.000	2.716	0.000	0.260
May	7.612	0.000	0.000	0.000	6.234	1.378	0.000	0.005	0.000	0.513	0.000	0.286
Jun												
Sub-total	18.038	0.000	0.000	0.000	7.670	10.368	0.000	12.074	0.225	3.622	0.000	0.969
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
Total	34.834	0.000	0.000	0.000	7.670	27.164	0.000	12.074	0.266	3.676	0.000	1.626

Notes:

(1) The performance targets are given in the Particular Specification on Environmental Management Plan.

(2) The waste flow table shall also include construction waste that are specified in the Contract to be imported for use at the site.

(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

(4) Broken concrete for recycling into aggregates.

(5) If necessary, use the conversion factor: 1 full load of dumping truck being equivalent to 6.5 m3 by volume.

Facility 設施	Date of transaction 交易日期	Vehicle No. 車牌號碼	Account No. 帳戶編號	Chit No. 入帳票編號	Time-in 進入時間	Time-out 離開時間	Waste depth (meter) 廢物深度(米)	Weight-in (tonne) 入閘重量(公噸)	Weight-out (tonne) 出閘重量(公噸)	Net weight (tonne) 淨重量(公噸)
NENT	02/05/24	ZA9*45	7046289	27900604	08:13	08:40	0.97	18.53	16.03	2.5
NENT	03/05/24	TA7*21	7046289	28370305	11:07	11:32	0.91	15.92	14.78	1.14
NENT	04/05/24	ZA9*45	7046289	27900605	08:06	08:33	1.28	17.96	16.09	1.87
NENT	04/05/24	TA7*21	7046289	27900606	09:59	10:21	1.2	18.23	14.84	3.39
NENT	06/05/24	ZA9*45	7046289	27900607	08:06	08:26	0.67	18.04	15.96	2.08
NENT	07/05/24	ZA9*45	7046289	27900608	08:02	08:22	0.66	17.32	16.05	1.27
NENT	07/05/24	ZA9*45	7046289	28370230	14:02	14:25	0.66	20.45	16.11	4.34
NENT	08/05/24	ZA9*45	7046289	28370368	08:06	08:25	0.96	18.19	16.08	2.11
NENT	08/05/24	ZA9*45	7046289	28370369	15:31	15:53	1.06	18.68	16	2.68
NENT	09/05/24	ZA9*45	7046289	28370370	08:08	08:30	1.04	19.36	15.95	3.41
NENT	10/05/24	HF7*82	7046289	28370306	09:29	09:48	1	18.66	16.04	2.62
NENT	10/05/24	HF7*82	7046289	28370307	11:54	12:14	0.86	18	16.03	1.97
NENT	11/05/24	ZA9*45	7046289	28370371	08:06	08:26	1.06	18.27	15.96	2.31
NENT	13/05/24	ZA9*45	7046289	28370372	10:17	10:40	1.11	17.85	16.04	1.81
NENT	13/05/24	ZA9*45	7046289	28370373	11:59	12:20	0.97	18.38	16.02	2.36
NENT	14/05/24	ZA9*45	7046289	28370374	13:39	13:59	1.07	17.95	16.04	1.91
NENT	14/05/24	ZA9*45	7046289	28370375	15:18	15:40	1.03	17.94	15.94	2
NENT	16/05/24	YN8*99	7046289	28370256	12:30	12:55	1.33	18.42	15.57	2.85
NENT	16/05/24	ZA9*45	7046289	28370257	14:40	15:05	1.02	19.11	16.04	3.07
NENT	17/05/24	ZA9*45	7046289	28370376	13:43	14:04	0.93	19.78	16.06	3.72
NENT	17/05/24	ZA9*45	7046289	28370377	16:22	16:43	0.96	17.7	16.11	1.59
NENT	18/05/24	TA7*21	7046289	28370378	11:11	11:31	1.17	17.63	14.79	2.84
NENT	20/05/24	ZA9*45	7046289	28370379	09:47	10:08	1.19	20.37	16.08	4.29
NENT	20/05/24	ZA9*45	7046289	28370380	13:01	13:23	1.08	18.23	16.13	2.1
NENT	21/05/24	HF7*82	7046289	28370258	10:10	10:38	0.71	18.89	15.99	2.9
NENT	21/05/24	HF7*82	7046289	28370259	12:30	12:54	1.12	19.08	15.97	3.11
NENT	21/05/24	HF7*82	7046289	28370260	14:19	14:56	1.14	18.49	15.96	2.53
NENT	22/05/24	VK7*1	7046289	28370261	09:21	09:49	1.15	19.03	16.74	2.29
NENT	22/05/24	VK7*1	7046289	28370381	11:05	11:28	1.13	20.92	16.72	4.2
NENT	22/05/24	VK7*1	7046289	28370382	13:41	14:05	1.02	21.28	16.69	4.59
NENT	22/05/24	VK7*1	7046289	28370383	17:10	17:34	0.89	18.87	16.67	2.2
NENT	23/05/24	YN1*02	7046289	28370262	12:18	12:47	1.06	26.06	20.23	5.83
NENT	24/05/24	TA7*21	7046289	28370263	09:49	10:20	0.92	16.76	14.81	1.95
NENT	24/05/24	TA7*21	7046289	28370384	12:07	12:33	0.56	15.46	14.81	0.65
NENT	25/05/24	ZA9*45	7046289	28370264	09:08	09:42	0.25	18.26	16.21	2.05
NENT	27/05/24	TA7*21	7046289	28370385	10:49	11:19	1.23	17.6	14.82	2.78
NENT	27/05/24	TA7*21	7046289	28370265	12:46	13:18	0.85	16.49	14.8	1.69
NENT	28/05/24	VK7*1	7046289	28370386	09:20	09:54	1.16	19.66	16.72	2.94
NENT	28/05/24	VK7*1	7046289	28370387	11:31	12:05	1.03	20.25	16.71	3.54
NENT	29/05/24	YN1*02	7046289	28370266	10:07	10:38	0.92	23.8	20.04	3.76
NENT	30/05/24	SB7*8	7046289	28370268	09:07	09:35	0.87	20.57	18.18	2.39
NENT	31/05/24	VK7*1	7046289	28370388	09:09	09:41	1.03	18.57	16.77	1.8
NENT	31/05/24	VK7*1	7046289	28370389	13:46	14:15	1.13	20.99	16.77	4.22
NENT	31/05/24	VK7*1	7046289	28370390	15:43	16:16	1.39	20.52	16.77	3.75
TM38--FB	02/05/24	PB1*13	7046289	28370300	11:12	11:20	0	37.5	15.81	21.69
TM38--FB	02/05/24	PB1*13	7046289	27900704	12:55	13:12	0	36.74	15.77	20.97
TM38--FB	02/05/24	PB1*13	7046289	28370301	14:50	14:57	0	36.95	15.75	21.2
TM38--FB	02/05/24	PB1*13	7046289	28370302	16:32	16:39	0	37.2	15.72	21.48

TM38--FB	02/05/24	SM1*9	7046289	28370303	17:42	17:56	0	37.06	15.79	21.27
TM38--FB	03/05/24	SM1*9	7046289	28370304	10:02	10:12	0	37.41	15.74	21.67
TM38--FB	03/05/24	UD2*7	7046289	27900705	11:08	11:21	0	37.32	16.35	20.97
TM38--FB	03/05/24	SM1*9	7046289	27900706	13:24	13:32	0	36.68	15.89	20.79
TM38--FB	03/05/24	MB1*09	7046289	27900708	17:33	17:41	0	37.52	16.12	21.4
TM38--FB	03/05/24	GJ7*6	7046289	27900707	17:35	17:42	0	37.16	15.64	21.52
TM38--FB	03/05/24	LJ3*0	7046289	27900709	17:45	17:54	0	37.46	15.88	21.58
TM38--FB	03/05/24	XW7*3	7046289	27900710	17:58	18:06	0	37.3	16.46	20.84
TM38--FB	04/05/24	SL4*82	7046289	27900711	09:47	09:55	0	36.33	15.78	20.55
TM38--FB	04/05/24	GJ7*6	7046289	27900712	11:17	11:28	0	37.05	15.85	21.2
TM38--FB	04/05/24	MB1*09	7046289	27900716	11:53	12:00	0	37.46	16.28	21.18
TM38--FB	04/05/24	LJ3*0	7046289	27900717	11:53	12:02	0	37.3	16.64	20.66
TM38--FB	04/05/24	SL4*82	7046289	27900715	11:55	13:27	0	37.43	16.54	20.89
TM38--FB	04/05/24	UD2*7	7046289	27900718	11:55	12:08	0	37.41	16.45	20.96
TM38--FB	04/05/24	XW7*3	7046289	27900719	12:00	12:11	0	37.41	16.75	20.66
TM38--FB	04/05/24	PB1*13	7046289	27900720	12:05	12:19	0	37.24	15.83	21.41
TM38--FB	04/05/24	XD6*39	7046289	27900714	12:28	12:36	0	37.65	16.32	21.33
TM38--FB	04/05/24	SM1*9	7046289	27900713	12:29	12:36	0	36.9	15.91	20.99
TM38--FB	04/05/24	GJ7*6	7046289	27900721	13:53	14:01	0	36.95	15.8	21.15
TM38--FB	06/05/24	UD2*7	7046289	27900722	09:52	10:09	0	37.11	16.36	20.75
TM38--FB	06/05/24	UD2*7	7046289	27900723	18:29	18:47	0	37.3	16.38	20.92
TM38--FB	08/05/24	YA8*35	7046289	27900724	09:40	09:48	0	37.62	15.91	21.71
TM38--FB	08/05/24	UD2*7	7046289	27900725	09:40	09:48	0	37.36	16.38	20.98
TM38--FB	08/05/24	YA8*35	7046289	27900726	11:33	11:42	0	37.19	15.86	21.33
TM38--FB	08/05/24	XA2*3	7046289	27900727	11:47	11:55	0	37.71	16.48	21.23
TM38--FB	08/05/24	YA8*35	7046289	27900728	14:07	14:12	0	37.47	15.82	21.65
TM38--FB	08/05/24	YA8*35	7046289	27900729	15:57	16:05	0	37.01	15.81	21.2
TM38--FB	08/05/24	JA8*30	7046289	27900730	16:20	16:28	0	28.82	14.07	14.75
TM38--FB	08/05/24	YA8*35	7046289	27900731	17:43	17:52	0	37.08	15.78	21.3
TM38--FB	10/05/24	MB1*09	7046289	27900732	08:51	08:59	0	37.64	16.19	21.45
TM38--FB	10/05/24	SM1*9	7046289	27900733	08:54	09:00	0	37.57	15.88	21.69
TM38--FB	10/05/24	GJ7*6	7046289	27900734	09:07	09:14	0	37.09	15.77	21.32
TM38--FB	10/05/24	MB1*09	7046289	27900735	11:44	11:51	0	37.49	16.15	21.34
TM38--FB	10/05/24	SM1*9	7046289	27900736	12:14	12:41	0	37.58	15.82	21.76
TM38--FB	10/05/24	MB1*09	7046289	27900737	14:47	15:07	0	37.66	16.12	21.54
TM38--FB	10/05/24	SM1*9	7046289	27900738	15:18	15:25	0	37.55	15.77	21.78
TM38--FB	11/05/24	SM1*9	7046289	27900739	08:58	09:05	0	37.87	15.84	22.03
TM38--FB	11/05/24	XA2*3	7046289	27900740	09:52	09:59	0	37.23	16.38	20.85
TM38--FB	13/05/24	YA8*35	7046289	27900741	09:34	09:42	0	37.29	15.86	21.43
TM38--FB	13/05/24	JA8*30	7046289	27900742	10:07	10:14	0	28.81	14	14.81
TM38--FB	13/05/24	YA8*35	7046289	27900743	11:40	11:46	0	37.33	15.8	21.53
TM38--FB	13/05/24	JA8*30	7046289	27900744	12:14	12:21	0	29.84	14.16	15.68
TM38--FB	13/05/24	YA8*35	7046289	27900745	13:41	13:47	0	37.55	15.76	21.79
TM38--FB	13/05/24	XA2*3	7046289	27900746	14:27	14:35	0	37.4	16.45	20.95
TM38--FB	13/05/24	JA8*30	7046289	27900747	14:35	14:43	0	29.29	14.12	15.17
TM38--FB	13/05/24	YA8*35	7046289	27900748	15:23	15:31	0	37.25	15.73	21.52
TM38--FB	13/05/24	JA8*30	7046289	27900749	16:27	16:34	0	29.41	14.09	15.32
TM38--FB	13/05/24	YA8*35	7046289	27900750	17:06	17:12	0	36.94	15.68	21.26
TM38--FB	14/05/24	SM1*9	7046289	27900751	09:06	09:13	0	37.32	15.83	21.49
TM38--FB	14/05/24	SS8*08	7046289	27900752	09:11	09:18	0	29.52	13.81	15.71
TM38--FB	14/05/24	YA8*35	7046289	27900753	09:34	09:42	0	37.34	15.8	21.54
TM38--FB	14/05/24	YA8*35	7046289	27900754	11:21	11:27	0	37.6	15.77	21.83
TM38--FB	14/05/24	SM1*9	7046289	27900755	12:15	12:38	0	37.39	15.79	21.6
TM38--FB	14/05/24	YA8*35	7046289	27900756	13:20	13:27	0	37.03	15.76	21.27

TM38--FB	14/05/24	YA8*35	7046289	27900757	14:59	15:05	0	37.31	15.71	21.6
TM38--FB	14/05/24	SM1*9	7046289	27900758	15:15	15:22	0	37.27	15.75	21.52
TM38--FB	14/05/24	YA8*35	7046289	27900759	16:37	16:44	0	37.39	15.67	21.72
TM38--FB	14/05/24	PB1*13	7046289	27900760	16:44	16:51	0	36.79	15.72	21.07
TM38--FB	14/05/24	VG4*60	7046289	28370408	16:51	17:01	0	28.04	13.9	14.14
TM38--FB	16/05/24	JA8*30	7046289	28370409	09:07	09:15	0	29.37	14.09	15.28
TM38--FB	16/05/24	YA8*35	7046289	28370410	09:50	09:56	0	37.38	15.77	21.61
TM38--FB	16/05/24	JA8*30	7046289	28370411	10:59	11:06	0	28.96	14.03	14.93
TM38--FB	16/05/24	YA8*35	7046289	28370412	11:39	11:45	0	37.39	15.73	21.66
TM38--FB	16/05/24	JA8*30	7046289	28370413	13:07	13:14	0	28.42	14.01	14.41
TM38--FB	16/05/24	YA8*35	7046289	28370414	13:54	14:02	0	37.09	15.68	21.41
TM38--FB	16/05/24	JA8*30	7046289	28370415	15:02	15:11	0	29.55	13.99	15.56
TM38--FB	16/05/24	YA8*35	7046289	28370416	15:32	15:39	0	37.43	15.65	21.78
TM38--FB	16/05/24	SS8*08	7046289	28370417	16:03	16:10	0	28.94	13.74	15.2
TM38--FB	16/05/24	JA8*30	7046289	28370418	17:02	17:09	0	29.18	13.94	15.24
TM38--FB	16/05/24	YA8*35	7046289	28370419	17:18	17:26	0	37.25	15.61	21.64
TM38--FB	17/05/24	JA8*30	7046289	28370420	08:57	09:05	0	28.87	14.14	14.73
TM38--FB	17/05/24	YA8*35	7046289	28370421	09:45	09:54	0	37.17	15.8	21.37
TM38--FB	17/05/24	JA8*30	7046289	28370422	10:53	11:00	0	29.37	14.09	15.28
TM38--FB	17/05/24	YA8*35	7046289	28370423	11:43	11:48	0	37.74	15.75	21.99
TM38--FB	17/05/24	JA8*30	7046289	28370424	12:57	13:04	0	27.96	14.07	13.89
TM38--FB	17/05/24	YA8*35	7046289	28370425	13:41	13:47	0	37.72	15.73	21.99
TM38--FB	17/05/24	JA8*30	7046289	28370426	14:52	15:01	0	28.87	14.06	14.81
TM38--FB	17/05/24	YA8*35	7046289	28370427	15:37	15:45	0	37.59	15.68	21.91
TM38--FB	17/05/24	JA8*30	7046289	28370428	16:51	16:58	0	29.07	14.03	15.04
TM38--FB	17/05/24	YA8*35	7046289	28370429	17:22	17:27	0	36.72	15.65	21.07
TM38--FB	18/05/24	JA8*30	7046289	28370430	09:16	09:23	0	29.15	14.14	15.01
TM38--FB	18/05/24	YA8*35	7046289	28370431	09:44	09:50	0	37.34	15.78	21.56
TM38--FB	18/05/24	JA8*30	7046289	28370432	11:33	11:40	0	29.04	14.1	14.94
TM38--FB	18/05/24	YA8*35	7046289	28370433	12:52	12:58	0	37.67	15.74	21.93
TM38--FB	18/05/24	SS8*08	7046289	28370434	13:48	13:58	0	29.26	13.83	15.43
TM38--FB	18/05/24	SM1*9	7046289	28370436	14:55	15:07	0	36.89	15.73	21.16
TM38--FB	18/05/24	YA8*35	7046289	28370435	15:06	15:14	0	37.22	15.7	21.52
TM38--FB	18/05/24	SS8*08	7046289	28370437	16:03	16:11	0	29.13	13.8	15.33
TM38--FB	20/05/24	YA8*35	7046289	28370438	10:16	10:23	0	37.5	15.83	21.67
TM38--FB	20/05/24	SS8*08	7046289	28370439	12:20	12:26	0	28.85	14.75	14.1
TM38--FB	20/05/24	YA8*35	7046289	28370440	12:33	12:40	0	37.61	15.79	21.82
TM38--FB	20/05/24	SS8*08	7046289	28370441	14:08	14:14	0	29.08	14.66	14.42
TM38--FB	20/05/24	YA8*35	7046289	28370442	14:23	14:30	0	37.16	16.26	20.9
TM38--FB	20/05/24	SS8*08	7046289	28370443	15:55	16:14	0	29.28	14.25	15.03
TM38--FB	21/05/24	SS8*08	7046289	28370444	09:22	09:30	0	28.95	15.09	13.86
TM38--FB	21/05/24	JA8*30	7046289	28370445	09:48	09:55	0	29.32	14.29	15.03
TM38--FB	21/05/24	YA8*35	7046289	28370446	09:54	10:02	0	37.49	15.77	21.72
TM38--FB	21/05/24	SS8*08	7046289	28370447	11:28	11:58	0	29.96	15.2	14.76
TM38--FB	21/05/24	JA8*30	7046289	28370448	11:43	11:49	0	29.08	14.16	14.92
TM38--FB	21/05/24	YA8*35	7046289	28370449	11:49	11:55	0	37.04	15.94	21.1
TM38--FB	21/05/24	SS8*08	7046289	28370450	13:54	14:01	0	29.13	16.14	12.99
TM38--FB	21/05/24	YA8*35	7046289	28370451	14:12	14:22	0	36.99	16.01	20.98
TM38--FB	21/05/24	JA8*30	7046289	28370452	14:23	14:29	0	29.17	14.15	15.02
TM38--FB	21/05/24	SS8*08	7046289	28370453	15:48	16:01	0	29.16	16.98	12.18
TM38--FB	21/05/24	JA8*30	7046289	28370455	16:17	16:24	0	28.69	14.25	14.44
TM38--FB	21/05/24	YA8*35	7046289	28370454	16:47	16:54	0	37.79	16.5	21.29
TM38--FB	22/05/24	JA8*30	7046289	28370456	09:39	09:48	0	29.18	14.17	15.01
TM38--FB	22/05/24	YA8*35	7046289	28370457	10:19	10:27	0	37.64	17.09	20.55

TM38--FB	22/05/24	JA8*30	7046289	28370458	11:36	11:44	0	29.22	14.12	15.1
TM38--FB	22/05/24	YA8*35	7046289	28370459	12:12	12:20	0	37.17	17.1	20.07
TM38--FB	22/05/24	YA8*35	7046289	28370461	14:19	14:40	0	36.97	17.07	19.9
TM38--FB	22/05/24	JA8*30	7046289	28370460	14:23	14:32	0	29.22	14.1	15.12
TM38--FB	22/05/24	YA8*35	7046289	28370462	16:57	17:05	0	36.85	16.13	20.72
TM38--FB	22/05/24	SS8*08	7046289	28370463	17:42	17:50	0	28.99	13.94	15.05
TM38--FB	23/05/24	JA8*30	7046289	28370464	09:00	09:06	0	29.63	14.06	15.57
TM38--FB	23/05/24	SS8*08	7046289	28370465	09:06	09:12	0	29.19	13.94	15.25
TM38--FB	23/05/24	YA8*35	7046289	28370466	09:55	10:04	0	37.41	16.1	21.31
TM38--FB	23/05/24	JA8*30	7046289	28370467	10:50	10:56	0	28.57	14.01	14.56
TM38--FB	23/05/24	YA8*35	7046289	28370468	11:40	11:46	0	37.27	16.06	21.21
TM38--FB	23/05/24	PA2*66	7046289	28370469	12:17	12:25	0	29.29	14.09	15.2
TM38--FB	23/05/24	JA8*30	7046289	28370470	13:06	13:15	0	29.12	14.14	14.98
TM38--FB	23/05/24	YA8*35	7046289	28370471	13:47	13:53	0	37.43	15.99	21.44
TM38--FB	23/05/24	SS8*06	7046289	28370472	14:37	14:49	0	37.69	16.47	21.22
TM38--FB	23/05/24	JA8*30	7046289	28370473	15:04	15:12	0	28.74	14.17	14.57
TM38--FB	23/05/24	SS8*02	7046289	28370474	15:07	15:12	0	28.64	13.93	14.71
TM38--FB	23/05/24	YA8*35	7046289	28370475	15:49	15:55	0	37.73	15.91	21.82
TM38--FB	23/05/24	JA8*30	7046289	28370476	17:03	17:11	0	29.31	14.2	15.11
TM38--FB	23/05/24	PA2*66	7046289	28370477	17:12	17:21	0	29.57	14.09	15.48
TM38--FB	23/05/24	YA8*35	7046289	28370478	17:36	17:43	0	37.59	16.03	21.56
TM38--FB	24/05/24	JA8*30	7046289	28370479	09:19	09:28	0	28.34	14.33	14.01
TM38--FB	24/05/24	YA8*35	7046289	28370480	09:44	09:54	0	36.99	16.09	20.9
TM38--FB	24/05/24	JA8*30	7046289	28370481	11:09	11:15	0	29.4	14.12	15.28
TM38--FB	24/05/24	YA8*35	7046289	28370482	11:35	11:43	0	37.4	16.02	21.38
TM38--FB	24/05/24	VX4*45	7046289	28370484	13:41	13:53	0	29.23	15.35	13.88
TM38--FB	24/05/24	JA8*30	7046289	28370485	13:59	14:09	0	30.04	14.14	15.9
TM38--FB	24/05/24	YA8*35	7046289	28370483	14:03	14:11	0	37.92	16.16	21.76
TM38--FB	24/05/24	PB1*13	7046289	28370486	15:52	16:01	0	37.05	15.88	21.17
TM38--FB	25/05/24	SS8*08	7046289	28370487	08:54	09:01	0	29.29	14.03	15.26
TM38--FB	25/05/24	JA8*30	7046289	28370488	09:08	09:16	0	28.78	14.35	14.43
TM38--FB	25/05/24	VX4*45	7046289	28370489	09:10	09:17	0	30.17	14.35	15.82
TM38--FB	25/05/24	YA8*35	7046289	28370490	09:34	09:43	0	37.48	16.21	21.27
TM38--FB	25/05/24	VX4*45	7046289	28370491	10:59	11:07	0	29.72	13.98	15.74
TM38--FB	25/05/24	JA8*30	7046289	28370492	11:03	11:11	0	28.06	14.36	13.7
TM38--FB	25/05/24	YA8*35	7046289	28370493	11:12	11:20	0	37.1	16.15	20.95
TM38--FB	25/05/24	YA8*35	7046289	28370494	13:19	13:27	0	37.53	16.19	21.34
TM38--FB	25/05/24	JA8*30	7046289	28370495	14:06	14:16	0	28.98	14.35	14.63
TM38--FB	25/05/24	VX4*45	7046289	28370496	14:13	14:18	0	29.41	13.94	15.47
TM38--FB	25/05/24	YA8*35	7046289	28370497	14:53	15:01	0	37.13	16.18	20.95
TM38--FB	25/05/24	VX4*45	7046289	28370499	15:53	16:01	0	29.89	14	15.89
TM38--FB	25/05/24	JA8*30	7046289	28370498	16:05	16:23	0	28.87	14.11	14.76
TM38--FB	25/05/24	YA8*35	7046289	28370500	16:31	16:39	0	37.51	16.4	21.11
TM38--FB	25/05/24	PA2*66	7046289	28370501	17:18	17:33	0	29.51	13.97	15.54
TM38--FB	25/05/24	VX4*45	7046289	28370502	17:28	17:37	0	29.46	13.92	15.54
TM38--FB	27/05/24	PB1*13	7046289	28370503	09:15	09:26	0	37.58	15.88	21.7
TM38--FB	27/05/24	SS8*08	7046289	28370504	09:16	09:25	0	29.11	13.92	15.19
TM38--FB	27/05/24	JA8*30	7046289	28370505	09:29	09:39	0	28.73	14.2	14.53
TM38--FB	27/05/24	VX4*45	7046289	28370506	10:00	10:06	0	28.94	14.21	14.73
TM38--FB	27/05/24	YA8*35	7046289	28370507	10:13	10:20	0	37.38	16.44	20.94
TM38--FB	27/05/24	ZD8*52	7046289	28370509	10:59	11:06	0	37.27	17.03	20.24
TM38--FB	27/05/24	LD8*84	7046289	28370508	11:01	11:07	0	37.89	16.7	21.19
TM38--FB	27/05/24	ZB7*54	7046289	28370510	11:14	11:23	0	37.29	16.79	20.5
TM38--FB	27/05/24	JA8*30	7046289	28370511	11:37	11:45	0	28.42	14.17	14.25

TM38--FB	27/05/24	VX4*45	7046289	28370512	11:41	11:50	0	29.24	14.19	15.05
TM38--FB	27/05/24	YA8*35	7046289	28370514	12:01	12:07	0	37.04	16.46	20.58
TM38--FB	27/05/24	ZF7*92	7046289	28370513	12:03	12:24	0	36.3	16.79	19.51
TM38--FB	27/05/24	ZD8*52	7046289	28370515	13:48	13:52	0	37.4	17.04	20.36
TM38--FB	27/05/24	VX4*45	7046289	28370517	14:02	14:11	0	29.8	14.14	15.66
TM38--FB	27/05/24	ZB7*54	7046289	28370516	14:04	14:13	0	37.17	16.93	20.24
TM38--FB	27/05/24	JA8*30	7046289	28370518	14:10	14:19	0	28.97	14.08	14.89
TM38--FB	27/05/24	YA8*35	7046289	28370519	14:18	14:28	0	37.07	16.44	20.63
TM38--FB	27/05/24	LD8*84	7046289	28370520	14:56	15:05	0	37.01	16.68	20.33
TM38--FB	27/05/24	ZD8*52	7046289	28370521	16:32	16:38	0	37.22	17.12	20.1
TM38--FB	27/05/24	VX4*45	7046289	28370522	16:46	16:55	0	29.39	14.12	15.27
TM38--FB	27/05/24	YA8*35	7046289	28370525	16:58	17:07	0	36.99	16.41	20.58
TM38--FB	27/05/24	JA8*30	7046289	28370524	16:59	17:08	0	28.21	14.15	14.06
TM38--FB	27/05/24	ZF7*92	7046289	28370523	16:59	17:08	0	36.7	16.78	19.92
TM38--FB	27/05/24	ZB7*54	7046289	28370526	17:24	17:31	0	37.51	16.7	20.81
TM38--FB	28/05/24	WP3*6	7046289	28370527	08:53	08:59	0	37.67	16.44	21.23
TM38--FB	28/05/24	SK2*31	7046289	28370530	09:08	09:16	0	36.96	18.51	18.45
TM38--FB	28/05/24	JA8*30	7046289	28370529	09:14	09:20	0	29.08	14.48	14.6
TM38--FB	28/05/24	UJ2*3	7046289	28370531	09:21	09:27	0	29.63	14.5	15.13
TM38--FB	28/05/24	ZF7*92	7046289	28370528	09:22	09:35	0	37.27	16.94	20.33
TM38--FB	28/05/24	VX4*45	7046289	28370532	09:26	09:40	0	29.43	14.23	15.2
TM38--FB	28/05/24	VG4*60	7046289	28370533	09:37	09:45	0	28.83	13.93	14.9
TM38--FB	28/05/24	YT7*95	7046289	28370535	10:25	10:32	0	37.88	16.65	21.23
TM38--FB	28/05/24	JA8*30	7046289	28370536	11:08	11:15	0	28.93	14.42	14.51
TM38--FB	28/05/24	VX4*45	7046289	28370538	11:30	11:40	0	30.05	14.22	15.83
TM38--FB	28/05/24	XD5*52	7046289	28370534	11:56	12:02	0	36.88	15.75	21.13
TM38--FB	28/05/24	SK2*31	7046289	28370539	12:13	12:29	0	37.39	18.1	19.29
TM38--FB	28/05/24	UJ2*3	7046289	28370537	12:39	12:46	0	29.43	14.51	14.92
TM38--FB	28/05/24	VG4*60	7046289	28370541	12:55	13:02	0	29.28	14.17	15.11
TM38--FB	28/05/24	ZF7*92	7046289	28370540	13:05	13:16	0	36.94	16.92	20.02
TM38--FB	28/05/24	VX4*45	7046289	28370542	13:56	14:05	0	28.87	14.01	14.86
TM38--FB	28/05/24	JA8*30	7046289	28370543	14:27	14:36	0	28.01	14.67	13.34
TM38--FB	28/05/24	XD5*52	7046289	28370545	15:10	15:19	0	37.2	15.74	21.46
TM38--FB	28/05/24	UJ2*3	7046289	28370544	15:23	15:31	0	29.18	14.58	14.6
TM38--FB	28/05/24	VX4*45	7046289	28370546	16:18	16:26	0	29.31	13.98	15.33
TM38--FB	28/05/24	VG4*60	7046289	28370547	16:28	16:37	0	28.95	14.03	14.92
TM38--FB	28/05/24	ZF7*92	7046289	28370548	17:04	17:15	0	36.75	16.89	19.86
TM38--FB	28/05/24	VT9*86	7046289	28370549	17:24	17:40	0	29.23	14.22	15.01
TM38--FB	28/05/24	JA8*30	7046289	28370550	17:38	17:56	0	28.79	14.06	14.73
TM38--FB	30/05/24	JA8*30	7046289	28370551	10:08	10:14	0	28.53	14.11	14.42
TM38--FB	30/05/24	VX4*45	7046289	28370552	10:14	10:20	0	29.2	14	15.2
TM38--FB	30/05/24	YA8*35	7046289	28370553	10:16	10:24	0	37.46	16.61	20.85
TM38--FB	30/05/24	VX4*45	7046289	28370554	13:31	13:38	0	29.43	14.04	15.39
TM38--FB	30/05/24	YA8*35	7046289	28370555	13:33	13:38	0	37.78	16.55	21.23
TM38--FB	30/05/24	JA8*30	7046289	28370556	15:18	15:24	0	28.81	14.06	14.75
TM38--FB	30/05/24	YA8*35	7046289	28370557	17:27	17:35	0	37.54	16.48	21.06

REMARKS

堆填區 **Landfill**	NENT	新界東北堆填區 North East New Territories
公眾填料接收設施 **Public fill reception facilities**	TM38--FB	屯門第38區填料庫 Fill Bank at Tuen Mun Area 38

APPENDIX M
COMPLAINT LOG

Appendix M - Complaint Log

Reporting month: May 2024

Complaint Log Ref.	EPD Log Ref.	Location	Received Date	Details of Complaint	Investigation/ Mitigation Action Status	Status
C001	N07/RN/00020836-23	Kong Nga Po Road (Lamp post GD0470)	29-Aug-23	The complainant alleged that the general construction noise except renovation (within Restricted Hours) from at Kong Nga Po Road (Lamp post GD0470), and commented that "晚上八九點地盤有噪音有人工作". The work sites under complaint are adjacent to the captioned Designated Project area.	Record of Site Investigation Refer to the public complaint which was no mention the certain time, based on daily record provided, CSJV was confirmed that the working period on 26, 27 & 28 Aug 2023 and the working hours were within the approved restricted hour. The equipment applied on the mentioned periods were listed in the Group D of the CNP No. GW-RN0882-23 (Effective date from 24/08/2023 to 23/11/2023) According to the written reply, the Contractor has implemented both the notification of the neighborhood on the schedule of night works and erect noise barriers to screen noisy works for neighborhood. Please be advised that the Contractor is strictly adhering to the conditions of the construction noise permit.	Closed
C002	N07/RN/00029993-23	The river(s) near the San Uk Ling Holding Centre	14-Dec-23	The complainant alleged that the river(s) near the San Uk Ling Holding Centre has recently had a large amount of soil/muddy water. (新屋嶺扣留中心附近的河流，近日有大量黃泥水)	Record of Site Investigation In reference to the public complaint, it has been noted that the complainant did not provide a precise description of the river(s) location adjacent to the San Uk Ling Holding Centre, where there has been a recent influx of soil-laden water. EPD officers carried out site inspection on 15/12/2023 at 11:20 –12:00. EPD officers checked the U-channels, catchpits and wastewater treatment facility at WTF. No water including muddy water was discharged from Construction sites to the drainage. The Contractor has checked the drainage and wastewater treatment facilities at WTF and SOTF, which is near the complaint area. No water was discharged from the above locations. Advice: For the Contractor:	Closed

					1)The Contractor strictly complies with the requirements of relevant environmental ordinances and EM&A Manual. 2)The promotional flyer contains a Community Liaison Hotline: 9790 2879 that can be placed in residents' mailboxes, so they can directly contact you to resolve environmental issues. For EPD officer: 1)Please consider that the Community Liaison Hotline: 9790 2879 will be provided for the complainant to directly contact the Contractor to resolve environmental issues. 2) Please consider encouraging the complainant to provide more accurate and detailed information to facilitate our follow-up efforts.	
C003		Soil/muddy water from San Uk Leng at Man Kam To Road near Designated Project of the Police Facilities in Kong Nga Po, near San Uk Leng at Man Kam To Road	7-Apr.-2024	The complainant alleged in Chinese, as shown below: 1)4 月 6 日下午約一點下了一場雨，但到 7 號已過一天，河水還是泥黃色 2)投訴人表示為上水新屋嶺附近居民，在新屋嶺練靶場附近有一政府地盤，由中國建築進行有關政府機動步隊的工程。投訴人表示建築公司沒有一個妥善的排污系統，把地盤所產生的黃泥水直接排在新屋嶺或經新屋嶺排走，導致黃泥水經引水道流入新屋嶺及新屋嶺漁塘，嚴重影響附近居民，現要求有關部門盡快跟進及處理。	Record of Site Investigation Based on a complaint investigation conducted by the Contractor, no muddy water was found discharged from the site. Mitigation measures have been strengthened by plugging off the last manholes of the site. According to the document provided, the improvement measures implemented by the Contractor include the following: 1) Manhole SMH-0503 was plugged off, 2) Water pump was placed in the manhole to pump wastewater, if any, to the wastewater treatment facilities, 3) Manhole SMH-1305 was plugged off, and 4) Water pump was placed in the manhole to pump wastewater, if any, to the wastewater treatment facilities.	Closed

Cumulative Complaint Log

Complaint Log Reporting Period	Total no. of Complaint Received
This reporting month	0
From 1st April 2023 to end of the reporting month	3

APPENDIX N
SUMMARY OF SUCCESSFUL PROSECUTION

Appendix N - Summary of Successful Prosecution

Date of Successful Prosecution	Details of the Successful Prosecution	Status	Follow Up	Total no. Received in this Reporting Month	Total no. Received since Project Commencement
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APPENDIX O
The potential seriousness of the forthcoming environmental impacts and the use of machineries

A list of potential environmental impacts	The advice includes, but is not limited to, the following	Consideration of possible alternative methods
Visual Impact: The presence of machinery, equipment, and temporary structures associated with ground investigation and plate load testing may have visual impacts on the surrounding landscape, altering the aesthetic qualities of the area.	Screening and Camouflage: Use screening techniques, such as temporary fencing, barriers, or landscaping, to visually conceal the machinery, equipment, and temporary structures from view. This can help minimize the visual impact on the surrounding landscape.	N.A.
Noise and Vibration: The operation of heavy machinery can contribute to noise and vibration pollution, which can disturb local wildlife or sensitive wildlife habitats.	Use of Low Noise and Vibration Equipment: Whenever possible, equipment produces lower levels of noise and vibration should be used. The use of noise barriers around the site can also help to mitigate the impact on local communities and wildlife.	Use of Electric-Powered Equipment: Electric- powered equipment is generally qui-eter than diesel powered equipment to help reduce noise pollution.
Disturbance of Local Ecosystems: The drilling operations, particularly those involving excavation, can potentially disturb the local ecosystems and impacting biodiversity.	Training and Awareness: trainings are provided for site personal about the importance of minimizing disturbance to local ecosystems, such as minimized noise and light pollution, how to handle waste properly, and what to do if they encounter local wildlife.	Employing construction methods of a low-impact nature, such as the utilization of machinery that is lightweight and drilling techniques which are minimally invasive
Air Pollution: Machinery used in construction sites can emit pollutants into the air. These pollutants may include Particulate Matter (PM), Nitrogen Oxides (NOx), Sulfur Oxides (SOx), and Volatile Organic Compounds (VOCs), contributing to air pollution and potentially impacting air quality in the surrounding area.	Dust Control Measures: Implement dust control measures such as water sprays, dust screens, or using dust suppression chemicals to reduce particulate matter emissions, and training for all staff on the importance of air quality and measures to reduce air pollution.	1. Improved Fuel Efficiency and Maintenance: Promoting fuel-efficient practices and regular maintenance of machinery can help reduce emissions. 2. Properly maintained equipment operates more efficiently, resulting in lower fuel consumption and reduced emissions. Implementing fuel-saving measures, such as reducing idling time and optimizing equipment usage, can further minimize air pollution during construction.
Water Pollution: Drilling operations have the	Proper containment and lining of mud pools is crucial to	1. Horizontal Directional Drilling (HDD): HDD is a

potential to contaminate local water sources, particularly if improper waste management practices are used.	prevent contamination. Mud pools should have an impermeable liner, such as HDPE or bentonite clay, to prevent seepage into the ground. Berms can be constructed around the perimeter to contain any overflow. Regular inspection and maintenance of the liner integrity is important.	trenchless method that causes less disturbance to the surrounding environment and mitigates the risk of water contamination. It could be a viable alternative depending on the geology of the site and the purpose of the drilling operation. 2. Dry Drilling Techniques: Depending on the geology of the site, dry drilling techniques could be considered. These methods do not use drilling fluids and therefore reduce the risk of water contamination from these sources.
Soil Disturbance: The use of heavy machinery can cause soil compaction and disturbance, particularly during drilling operations or movement of equipment. This soil disturbance can disrupt the natural structure and composition of the soil, affecting its ability to support vegetation growth and nutrient cycling.	1. Proper Planning and Design: Incorporate soil protection measures into the initial planning and design phase of construction projects. This includes identifying sensitive areas and implementing appropriate construction techniques to minimize soil disturbance. 2. Ground Improvement Techniques: Techniques like soil stabilization, grouting, and compaction can help improve the soil's strength and stability, reducing the likelihood of soil disturbance during construction.	A helical pile is a type of deep foundation system used in construction. It consists of a steel shaft with helical plates or blades that are twisted into the ground to provide support for structures. Helical piles are commonly used in situations where traditional foundation methods are impractical or costly, such as in areas with poor soil conditions or limited access for heavy machinery.
Energy Consumption: The operation of machinery requires energy, typically derived from fossil fuels. The extraction, processing, and combustion of these fuels contribute to greenhouse gas emissions and contribute to climate change.	1. Training: workers are trained in the importance of energy conservation and efficiency. This could involve instruction on when to turn off equipment, how to use machinery efficiently, and the benefits of energy conservation. 2. Efficient Equipment and Machinery: Use energy-efficient machinery and equipment that consume less energy during operation. Regular maintenance and proper calibration of machinery can also improve energy efficiency and reduce energy waste.	1. Prefabrication and Modular Construction: Prefabrication and modular construction methods involve manufacturing building components off-site and assembling them on-site. This approach reduces energy consumption by streamlining the construction process, minimizing material waste, and optimizing energy usage during manufacturing. 2. Lean Construction: This methodology helps energy optimization in construction processes.

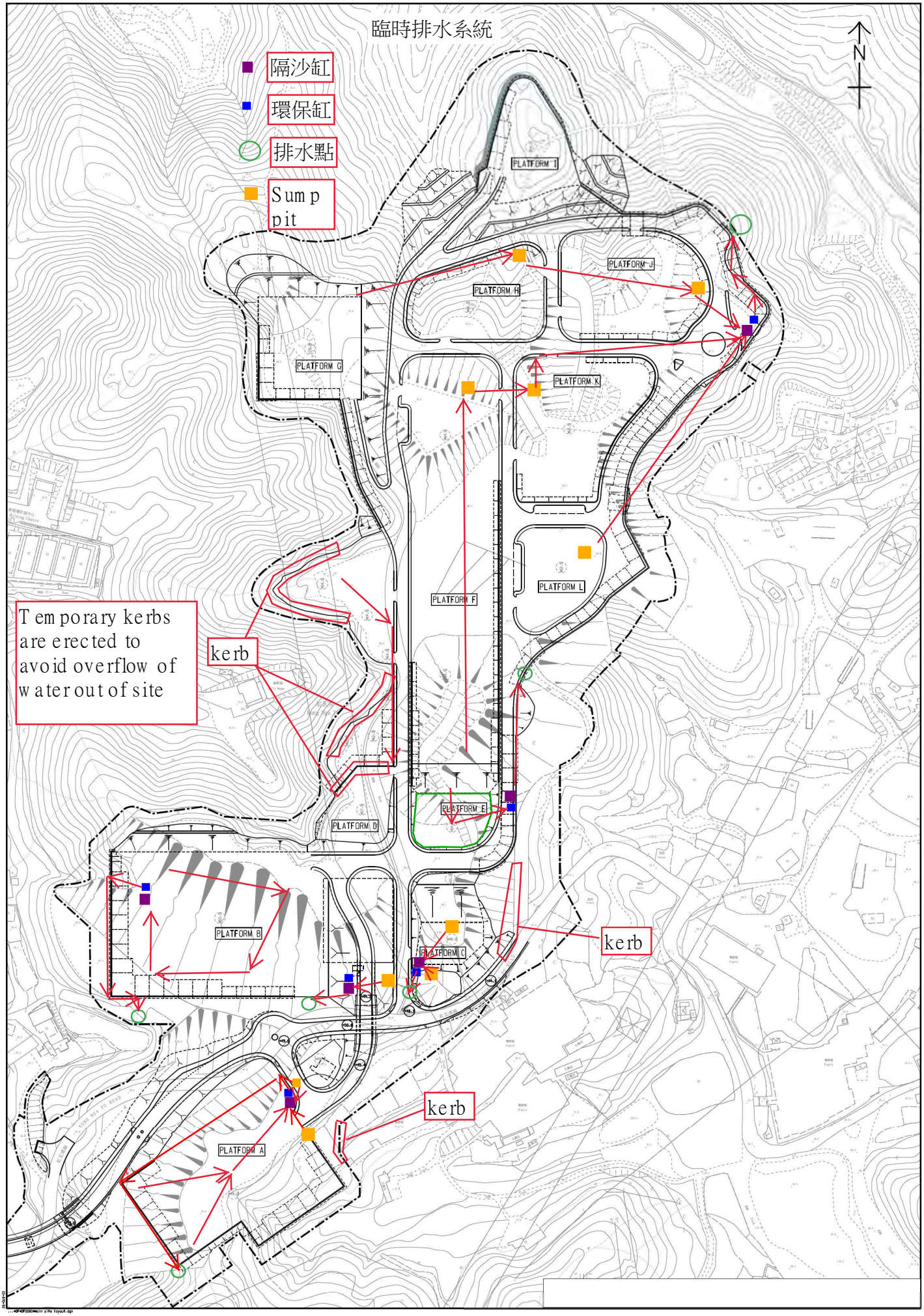
Waste Generation: Ground investigation and plate load testing may generate various types of waste, including drilling cuttings, excess soil, and construction debris. Improper disposal or management of these wastes can result in soil and water contamination or contribute to landfill usage.	Education and Training: education and training are provided to construction workers and staff on proper waste management practices. Raise awareness about the importance of waste reduction, recycling, and responsible disposal methods. Encourage worker participation and engagement in waste management initiatives.	Cone Penetration Testing (CPT): CPT is a method of ground investigation that produces minimal waste compared to traditional drilling methods. It involves pushing a cone-shaped probe into the ground and measuring the resistance, which can provide valuable information about the soil conditions with less soil disturbance.

APPENDIX P
A LIST OF MACHINERIES USED IN CONSTRUCTIN SITE

SSK509 Design and Construction of Kong Nga Po Police Training Facilities
NRMM & QPME List

	Type	Brand	Model	S/N No.	Engine Make	Engine Model	NRMM No.	Approval, Exemption or Modification	QPME no.	QPME Expiry Date	Sound Power Level
1	Generator	Airman	SDG100S-3B1	1533B10240	ISUZU	BI-4HK1XYGD-02	EPD-A-003542-2017	Approval	EPD-06206R	Dec-29	92
2	Forklift	Mitsubishi	fd25nt	CF18C-81179	Mitsubishi	S4S	EPD-A-007117-2016	Approval			
3	Loader	Bobcat	S450	B1ED14478	Kubota	V2403	EPD-A-000347-2022	Approval			
4	Generator	Airman	SDG60S-3B1	14A3B10240	ISUZU	BJ-4JJ1XYGD-04	EPD-A-003657-2017	Approval	EPD-06274R	Dec-29	90
5	Generator	Denyo	DCA-220ESEI	3936288	ISUZU	6UZ1	EPD-A-001848-2019	Approval	EPD-08614	Aug-25	96
6	Forklift	Doosan	D30NXP	FDA41-1670-02844	YANMAR	4TNE98-BQDF1CC	EPD-A-000153-2023	Approval			
7	Generator	Airman	SDG60S-3B1	14A3B10369	ISUZU	BJ-4JJ1XYGD-04	EPD-A-001314-2020	Approval	EPD-09851	Aug-26	90
8	Generator	Nippon Sharyo	NES150TI	DG041900	ISUZU	BH-6HK1X	EPD-A-001707-2018	Approval	EPD-07118	Jul-24	92
9	Forklift	Mitsubishi	FD30NT	CF14E-16891	Mitsubishi	S4S	EPD-A-000779-2017	Approval			
10	Generator	Nippon Sharyo	NES220EM	FJ083800	Guangxi Yuchai	YC6A275-D30	EPD-M-002058-2020	Approval	EPD-01840R	Jul-25	95
11	Generator	Airman	SDG300L-5B1	P9BB1-0057	KOMATSU	SAA6D125E-5-BV	EPD-A-001535-2017	Approval	EPD-05174R	Apr-29	98
12	Excavator	Komatsu	PC138US-8NM	29202	KOMATSU	SAA4D95LE-5	EPD-A-000710-2021	Approval			
13	Excavator	Hitachi	ZX200-5A	HCMDCX90E00300835	ISUZU	4HK1-XDHAG-02-C3	EPD-A-001008-2019	Approval	EPD-08152	Apr-25	103
14	Excavator	Hitachi	ZX75US-3	HCM1P300A00062042	ISUZU	AU-4LE2X	EPD-A-003158-2019	Approval			
15	Generator	Airman	SDG220L-5B1	P8BB1-0339	ISUZU	BH-6UZ1XYGD-04	EPD-A-001469-2022	Approval	EPD-12431	Jun-28	94
16	Generator	Nissha	NES150TI	DG028600	Isuzu	BH-6HK1X	EPD-A-004698-2016	Approval	EPD-03628R	Apr-28	92
17	Generator	Airman	SDG45S-3B1	1333B10475	Kubota	V3800-T	EPD-A-000053-2018	Approval	EPD-06536R	Feb-30	87
18	Generator	Airman	SDG220L-5B1	P8BB1-0383	ISUZU	BH-6UZ1XYGD-04	EPD-A-000565-2023	Approval	EPD-13321	Mar-29	94
19	Drilling rig	China Geo-equipment Chongqing Exploration Machinery Co. Ltd.	XY-2B	3-4818	Beinei	F4L912E11-3	EPD-A-002846-2020	Approval			
20	Excavator	Komatsu	SK350LC-8	YC11-06650	Hino	J08E-TM	EPD-A-002154-2018	Approval			
21	Generator	Nippon Sharyo	NES150TI	DG042300	ISUZU	BH-6HK1X	EPD-A-002077-2018	Approval	EPD-07262	Aug-24	92
22	Excavator	Yanmar	ViO40-5	51036B	Yanmar	4TNV88-PBV	EPD-A-000128-2019	Approval			
23	Excavator	Hitachi	ZX350K-3	HCM1V900T00056936	ISUZU	6HK1-XDHAA-01-C2	EPD-A-000772-2020	Approval			
24	Excavator	Kobelco	SK135SR-2	YY06-15612	Mitsubishi	D04FR	EPD-A-000581-2022	Approval			
25	Excavator	Liugong	CLG922E	CLG922EZHPE718565	Cummins	QSB7	EPD-A-003163-2023	Approval			
26	Generator	Nippon Sharyo	NES60TK2	KS013300	Kubota	V3800-DI-TI-K3A	EPD-A-007338-2016	Approval	EPD-04522R	Dec-28	90
27	Road works machine	BITELLI	DTV325	000816	HATZ	2M41	EPD-EE-018554-2015	Exemption			
28	Excavator	Kobelco	SK200-8	YN12-65540	Hino	J05E-TA	EPD-A-003548-2017	Approval			
29	Loader	Bobcat	S450	B1ED11528	Kubota Corporation	V2403-M-DI-EU32	EPD-A-005651-2016	Approval			
30	Excavator	Kobelco	SK225SR	YB05-03058	Hino	AA-J05E-TA	EPD-A-001400-2022	Approval			
31	Excavator	Kato	HD820V	KWJ01E01PC0006237	Mitsubishi	4M50-TLE3A	EPD-A-003461-2021	Approval			
32	Excavator	Hitachi	ZX225USR-5B	HCMDCQA0E00303589	ISUZU	4HK1	EPD-A-000509-2024	Approval			
33	Excavator	Liugong	CLG922E	CLG922EZEPE718566	Cummins	QSB7	EPD-A-003164-2023	Approval			
34	Excavator	Kobelco	SK135SR-2	YY06-22265	Mitsubishi	D04FR	EPD-A-005755-2016	Approval			
35	Excavator	Kobelco	SK225SR-3	YB07-05170	Hino	J05E	EPD-A-000565-2024	Approval			
36	Excavator	Kobelco	SK135SR-2	YY05-12343	Mitsubishi	D04FR-KDP2TAAC	EPD-A-000483-2017	Approval			
37	Generator	Nippon Sharyo	NES60TK2	KS013000	Kubota	V3800-DI-TI-K3A	EPD-A007294-2016	Approval	EPD-04519R	Dec-28	90
38	Excavator	Komatsu	PC228US-3E0	KMTPC161P02042049	KOMATSU	SAA6D107E-1	EPD-A-005462-2016	Approval			
39	Excavator	Kato	HD820V	KWJ01E01VA0005768	Mitsubishi	4M50-TLE3A	EPD-A-000979-2022	Approval			
40	Road works machine	Dynapac	CC1300	10000334E0A010764	Kubota	V22030	EPD-EE-019550-2015	Exemption			
41	Air compressor	Denyo	DIS-180SS2	3929214	ISUZU	AA-4LE2	EPD-A-001224-2018	Approval	EPD-06937	May-24	93
42	Excavator	Caterpillar	320D	CAT0320DEBWZ02549	Caterpillar	JRD-C6.4	EPD-A-000252-2019	Approval			
43	Road works machine	BOMAG	BW131AD-2	751750101550	KUBOTA	V1505	EPD-A-001349-2022	Approval			
44	Drilling rig	CHINA Geo-equipment Chongqing Exploration Machinery Co. Ltd.	XY-2B	3-4756	BEINEI	F4L912E11-1	EPD-A-001602-2020	Approval			
45	Drilling rig	Beijing JAINE	JD110	2014015	DCEC	6BTA5.9-C150-II	EPD-EE-025256-2015	Exemption			
46	Generator	Nippon Sharyo	NES25TK	XZ027600	Kubota	V2403-K3A	EPD-A-007336-2016	Approval	EPD-04514R	Dec-28	90
47	Loader	Liugong	CLG365B	LGC365BZCPC503358	Perkins	404D-22	EPD-A-000432-2024	Approval			
48	Generator	Airman	SDG60S-3B1	14A3B10618	ISUZU	BJ-4JJ1XYGD-04	EPD-A-002916-2022	Approval	EPD-12884	Dec-28	90
49	Generator	Airman	SDG125S-3B1	1263B10611	ISUZU	BI-4HK1XYGD-02	EPD-A-000878-2024	Approval	EPD-14678	Apr-30	92
50	Generator	Airman	SDG150S-3B1	1723B10569	ISUZU	BH-6HK1XYGD-11	EPD-A-002208-2023	Approval	EPD-13957	Sep-29	95
51	Generator	Nippon Sharyo	NES220EM	FJ091800	Guangxi Yuchai	YC6A275-D30	EPD-M-003034-2023	Approval	EPD-02303R	Jun-26	95

APPENDIX Q
Wastewater Discharge Layout Plan


臨時排水系統
隔沙缸
環保缸
排水點
Sump pit
N
PLATFORM I
PLATFORM J
PLATFORM H
PLATFORM G
PLATFORM K
PLATFORM L
PLATFORM F
PLATFORM E
PLATFORM D
PLATFORM B
PLATFORM C
PLATFORM A
Temporary kerbs are erected to avoid overflow of water out of site
kerb
kerb
kerb