



Date: 16 May 2024 Your ref: Our ref: PL-202405026

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 <u>Verification of Monthly EM&A Report (April 2024)</u>

Reference is made to the Monthly EM&A report (April 2024) provided by ET via email on 9 May 2024 and subsequent revision (Version 2) submitted on 14 May 2024.

Please be informed that we have no adverse comments on the revised Monthly EM&A report (April 2024) (Version 2). 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

Maar

Ir Y. H. LAW Independent Environmental Checker

c.c. Ka Shing Management Consultancy Ltd.

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 April 2024 (Version 2)

Disclaimer

The information provided in this report is for presentation. All information in the report is provided in good faith, and every effort has been made for the information contained herein at the time of publication. However, our company disclaims all responsibilities and liabilities for incompleteness within this report.

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: 14-5-2024

14-5-2024

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 April 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

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EXECUTIVE SUMMARY

Introduction

- E1. This document represents the 13th 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 30th of April 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:

EM&A Activities	Date		
Noise Monitoring	03, 09, 15, 25, 30 April 2024		
Air Quality Monitoring	03, 09, 15, 19, 25, 30 April 2024		
Environmental Site Inspection	2, 9, 16, 24, 30 April 2024		
Ecological Monitoring	27, 30 April 2024		
Landscape & Visual Inspection	2, 9, 16, 24, 30 April 2024		

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

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				
				No. of Exceedan	

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. One environmental complaint was received in the reporting month. The Complaint Log is presented 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 13th 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 30th April 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.

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

Monuny Ew&A Report – April 2024					
	Contractor (China State JV)	Site Agent	Mr. Kelvin Chan	6272 8828	
-		Environmental Officer	Ms. Marian Kong	6174 9735	2866 6325
			Mr. LuLu Mar	5998 8852	
	ng Management Isultancy Ltd.	ETL	Mr. W.H. Lee	2618 2166	2120 7752
•	y Sustainability oulting 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

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.

D	Valid	Period	States a					
Permit / Licence No.	From	То	Status					
Further Environmental Permit (FEP)								
FEP-01/510/2016	N/A N/A		Valid					
Construction Noise Permit (CI	NP)	· · · ·						
GW-RN0302-24	19-03-2024	18-06-2024	Cancelled					
GW-RN0483-24	30-04-2024 29-07-2024		Valid					
Notification pursuant to Air Pollution Control (Construction Dust) Regulation								

Table 2.2	Status of Environmental	l Licences, Notifications and Permits
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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 Wast	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-
01/510/20	16												

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	For approval

	Monthly EM&A Report – April				
		23/3/2024			
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**.

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

Table 3.1Location of Noise Monitoring Stations

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.

Equipment	Model	Quantity
Sound Level Meter	RION NL-52	1
Sound Calibrator	Castle GA607	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
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Monitoring Stations	Parameter	Duration	Frequency	Measurement
NM9	L10(30 min.)			Free field ^[1]
NM10	$dB(A)^{[2]}$ $L90(30 \text{ min.})$ $dB(A)^{[2]}$ $Leq(30 \text{ min.})$ $dB(A)^{[2]}$ (as six consecutive Leq, 5min readings)	0700-1900 hrs on normal weekdays	Once per week	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**.

· · ·		•	e 1	
	Average	Range	Baseline Level	Limit Level
Monitoring Station	Leq (30 min) dB(A)	Leq (30 min) dB(A)	dB(A)	dB(A)
NM9 ^[1]	63.4	58.5 - 68.7	55.9	
NM10 ^[1]	56.6	47.5 - 66.8	52.8	
NM11	56.1	46.7 - 65.0	46.4	75
NM12	49.6	40.8 - 53.7	54.7	75
NM13 ^[1]	59.0	50.2 - 69.2	61.3	
NM14 ^[1]	52.3	46.9 - 59.2	59.6	

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

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:

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		

Table 3.5 Observation at Noise Monitoring Stations

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 4.1Location 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**.

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

Table 4.2Air Quality Monitoring Equipment

- 4.6 Weather data was sourced from the "Hong Kong Observatory General Weather Conditions during the Monitoring Period (April 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 (μ g/m³), 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**.

Monitoring Station	nitoring Station (µg/m ³)		Action Level, µg/m ³	Limit Level, µg/m³
	Average	Range	P-8,	
AM1	76	41 - 135	308	500
AM2	78	39 - 119	311	500

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

- 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 4.5Observation at Dust Monitoring Stations

Monitoring Station	Major Dust Source	
AM1	Equipment operation and movement / road traffic, exposed site area, site vehicle	
	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 27th of April 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 April 27th, 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, 9, 16, 24, 30 April 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.

Parameters	Date	Observations	Advice
Air Quality		No specific environmental issues are observed	
Construction Noise Impact		No specific environmental issues are observed	
Water Quality	30-Apr-24	Sediment and blockages inside catchpit	Sediment and blockages removed
Waste/ Chemical Management		No specific environmental issues are observed	
Landscape and Visual	24-Apr-24	The storage areas for materials compact the soil around tree	The material storages are to be kept away from the Tree Protection Zone and vehicular/pedestrian access to avoid compaction of soil around trees.
Ecology		No specific environmental issues are observed	
Permit /Licences		No specific environmental issues are observed	
Others	24-Apr-24 30-Apr-24	The stockpiling of construction materials is not properly covered	The stockpiling of construction materials needs to be properly covered

Table 7.1 Observations of Weekly site Inspection and advice

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 noninert 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 One complaint related to water quality were received in the reporting month. The Cumulative Complaint Log since the commencement of the Project is presented 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 April 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, 9, 16, 24 and 30 April 2024. Additionally, monitoring of landscape and visual impacts was performed on the 2, 9, 16, 24 and 30 April 2024, and ecological monitoring was conducted on the 30 April 2024 by ETL within the reporting month. The Contractor also conducted monitoring on 27 April 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 One complaint related to water quality were received in the reporting month. No notification of summons or successful prosecutions was received in the reporting month.
- 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.

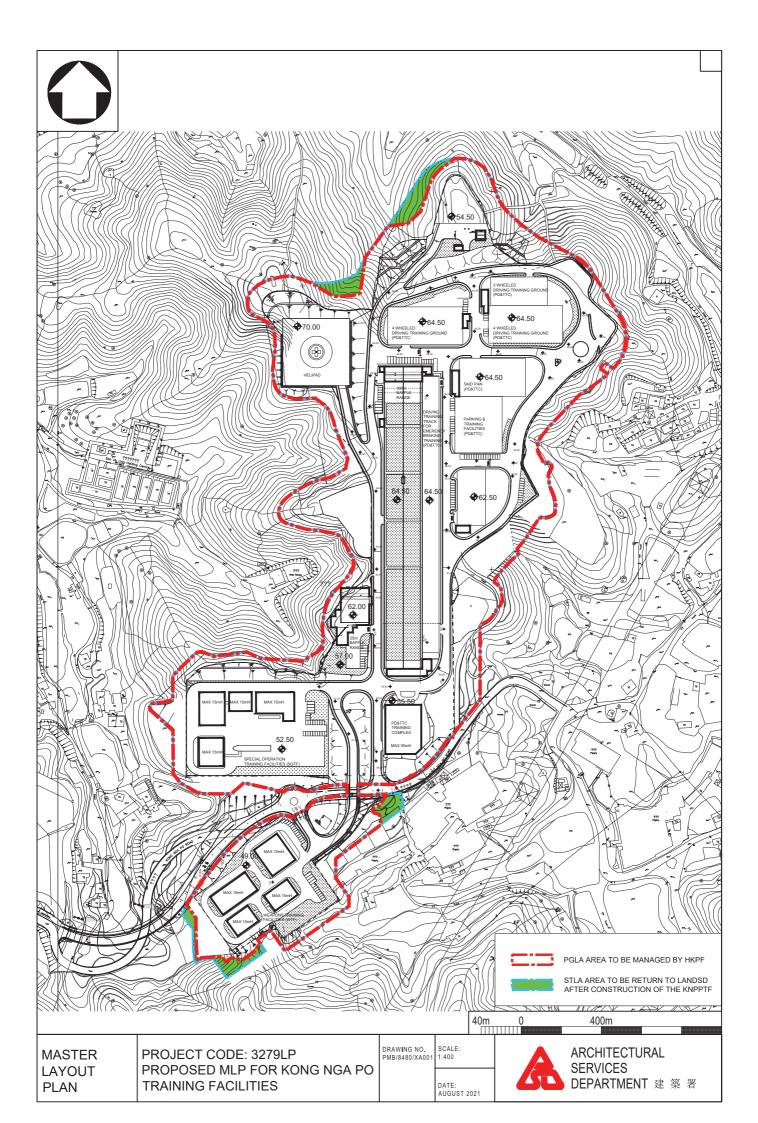
Ecology

- 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.

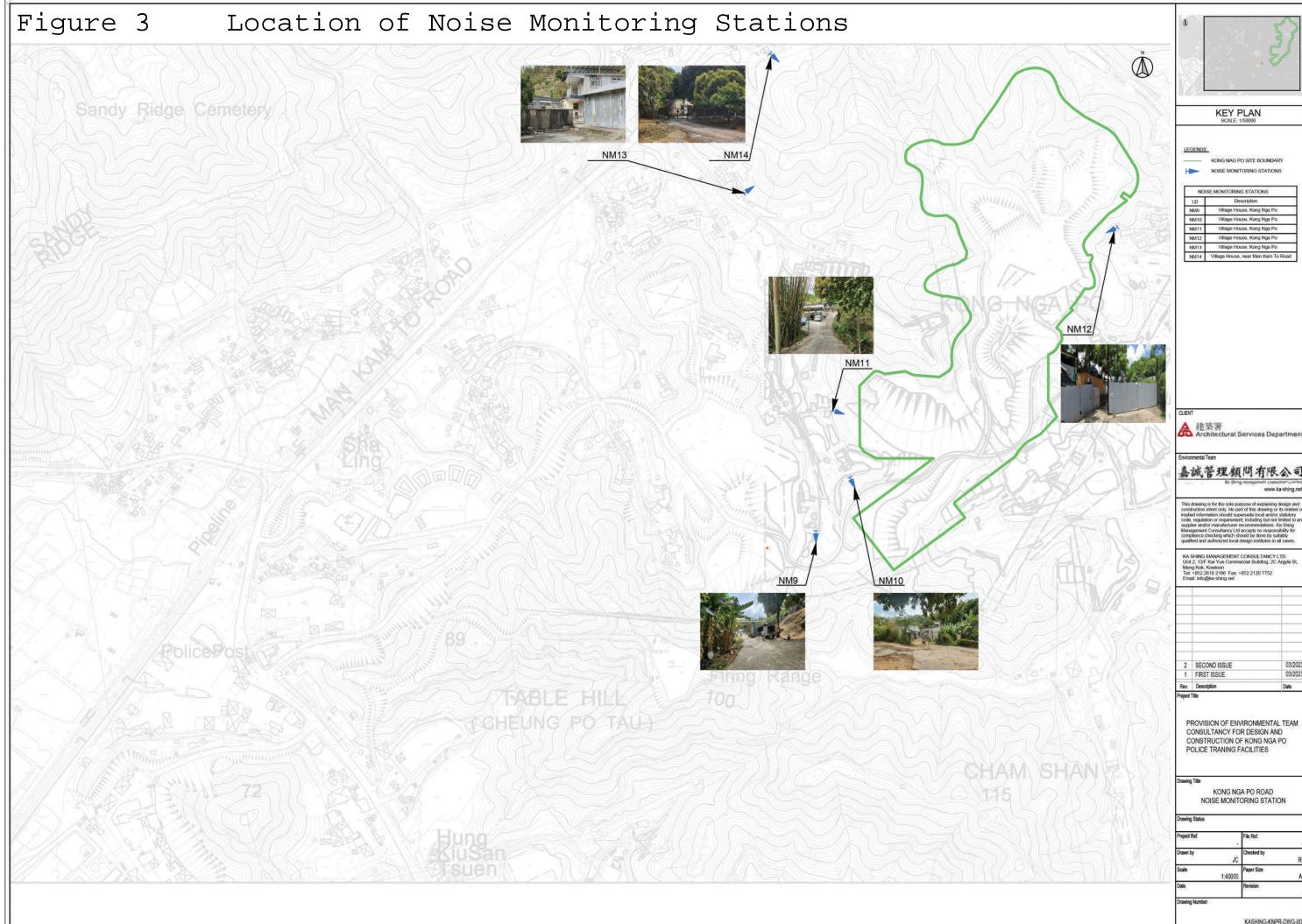
Landscape and Visual

- 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)







KASHING-KNPR-DWG-003

03/2023

03/2023 Date

APPENDIX A CONSTRUCTION PROGRAMME AND PROACTIVE ENVIRONMENTAL PROTECTION PROFORMA

Construction Programme (May – Jul 2024)

Task Name	Baseline Start		Act. Start Act. Finish % Co	np. Qr 4, 2022 Qr 1, 2023 Qr 2, 2023 Qr 3, 2023 Qr 3, 2023 Qr 4, 2023 Qr 4, 2023 Qr 4, 2023 Qr 4, 2024 Qr 2, 2024 Qr 2, 2024 Qr 4, 2024 Qr 4, 2024 Qr 1, 2025 Qr 2, 2025 Qr 3, 2025 Qr 4, 2024 Qr 4, 2
Site Execution Foundation and Substructure Construction	Fri 23/12/22 Thu 19/1/23	Sat 5/7/25 Wed 5/6/24	Wed 21/12/22 NA Wed 21/12/22 NA	8% 138%
Section 1 Works	Fri 14/4/23	Fri 5/1/24	Wed 21/12/22 NA	<u>39%</u> 1 39%
PD&TTC Block1 (Training Complex) Pre-drilling Works	Fri 14/4/23 Fri 14/4/23	Thu 7/12/23 Sat 13/5/23	Wed 21/12/22 NA Wed 15/3/23 Sat 13/5/23	39% 39% 100%
Pre-drilling works completion and issue report	Sun 14/5/23	Sat 20/5/23	Sun 14/5/23 Sat 20/5/23	
Test Boring	Thu 15/6/23	Thu 15/6/23	Thu 15/6/23 Thu 15/6/23	100%
Piling works	Fri 16/6/23	Sun 15/10/23 Fri 15/9/23	Fri 16/6/23 NA	75% 100%
Zone A NICE001 - 14 days EOT Claimed	Fri 16/6/23 NA	NA	Fri 16/6/23 Mon 25/9/23 NA NA	100% 0% 0%
NICE002 - 4 days EOT Claimed	NA	NA	NA NA	G% 0%
NICE003 - 9.5 days EOT Claimed	NA	NA	NA NA	0%
NICE004 - 3.5 days EOT Claimed	NA Sat 26/8/23	NA Sun 15/10/23	NA NA Fri 14/7/23 Mon 6/11/23	0% 100%
Zone B NICE001 - 14 days EOT Claimed	Sat 26/8/23 Sun 15/10/23	Sun 15/10/23 Sun 29/10/23	Fri 14/7/23 Mon 6/11/23 NA NA	
NICE002 - 4 days EOT Claimed	NA	NA	NA NA	<u>0%</u>
NICE003 - 9.5 days EOT Claimed	NA	NA	NA NA	0%
NICE004 - 3.5 days EOT Claimed Piling Tests	NA Sat 16/9/23	NA Sun 19/11/23	NA NA Mon 25/9/23 NA	0% ₹ 0% 93%
Location Selected by ArcSD (Zone A)	Tue 10/10/23	Thu 2/11/23	Mon 25/9/23 Thu 2/11/23	
Zone A - 1st	Sat 16/9/23	Fri 20/10/23	Fri 3/11/23 Mon 20/11/23	100%
Zone A - 2nd	Fri 19/1/24	Mon 19/2/24	Fri 19/1/24 Mon 19/2/24	100%
Location Selected by ArcSD (Zone B)	Tue 7/11/23	Thu 30/11/23	Tue 7/11/23 Thu 7/12/23	
Zone B Zone B - 2nd	Mon 16/10/23 Sat 3/2/24	Sun 19/11/23 Mon 4/3/24	Mon 11/12/23 Sat 30/12/23 Sat 3/2/24 Mon 4/3/24	
Post drill and piling works completion	Sat 5/2/24 Sat 16/9/23	Sun 29/10/23	Mon 6/11/23 NA	
Zone A	Sat 16/9/23	Fri 29/9/23	Tue 7/11/23 Mon 20/11/23	100%
Zone B	Mon 16/10/23	Sun 29/10/23	Mon 6/11/23 Mon 20/11/23	
Excavation to piling cut off and bottom of pile cap Zone A	NA Sat 21/10/23	NA Fri 24/11/23	Fri 1/12/23 NA	15% 90%
Zone A Zone B	Sat 21/10/23 Sun 31/12/23	Sun 24/3/24	Thu 18/1/24 NA	5% 5%
Slope Modification	Sun 16/4/23	Tue 30/5/23	Sun 16/4/23 Tue 30/5/23	100%
Completion for Bottom of Slope Feature D by Build King	Wed 21/12/22	Mon 16/10/23	NA NA	0%
Pile caps construction	Sat 28/10/23	Thu 21/12/23	Sat 30/12/23 NA	2%
Zone A Zone B	Sat 28/10/23 NA	Wed 6/12/23	Sat 30/12/23 NA NA NA	15% 15% 15%
Zone B - Portion 1	Sat 25/11/23	Thu 21/12/23	Sat 9/3/24 NA	
Zone B - Portion 2	NA	NA	NA NA	0%
Underground Drainage / Earthing Pits / Lightning Pits	Mon 27/11/23	Sun 17/12/23	NA NA	0%
Back Filling, Waterproofing and LG/F Slab PD&TTC Block 2-9 (Driving Blocks)	Thu 7/12/23 Sat 22/7/23	Fri 5/1/24 Sun 14/7/24	NA NA Mon 18/9/23 NA	0% 17%
Excavation Works	Sat 22/1/23 Sat 22/7/23	Thu 11/4/24	Mon 18/9/23 NA Mon 18/9/23 NA	17% 45%
Block 2 (Carpark)	Fri 20/10/23	Sat 30/12/23	Fri 20/10/23 NA	80%
Block 3 (2-wheeled driving ground)	Sat 22/7/23	Sun 20/8/23	Fri 1/12/23 NA	80%
Block 4	NA	NA	NA NA	
Block 4 (Emergency Braking Training) NICE004 - 3.5 days EOT Claimed	Mon 21/8/23 NA	Tue 19/9/23 NA	NA NA NA NA	0% 0%
Block 5 (Skid Pad)	Thu 5/10/23	Fri 3/11/23	Wed 1/11/23 NA	- Ute
Block 6 (4-wheeled driving ground)	Fri 2/2/24	Sat 2/3/24	Mon 13/11/23 NA	80%
Block 7 (2-wheeled & 4-wheeled driving ground)	Sun 24/12/23	Mon 22/1/24	NA NA	0%
Block 8 (Gas Filling Station)	Wed 13/3/24	Thu 11/4/24	NA NA NA NA	0% 0%
Block 9 (4-wheeled driving ground) Retaining Wall Demolition at Block 2 (Carpark)	Fri 2/2/24 Fri 26/1/24	Sat 2/3/24 Sat 24/2/24	NA NA NA NA	0% 0%
Footing	Sun 25/2/24	Sun 14/7/24	NA NA	
Block 2 (Carpark)	Sun 25/2/24	Mon 25/3/24	NA NA	0%
Block 3 (2-wheeled driving ground)	Sun 25/2/24	Mon 25/3/24	NA NA	0%
Block 4 (Emergency Braking Training) Block 5 (Skid Pad)	Sun 25/2/24 Tue 2/4/24	Mon 25/3/24 Wed 1/5/24	NA NA NA NA	0%
Block 5 (Skid Pad) Block 6 (4-wheeled driving ground)	Tue 2/4/24 Tue 2/4/24	Wed 1/5/24 Wed 1/5/24	NA NA NA NA	
Block 7 (2-wheeled & 4-wheeled driving ground)	Thu 9/5/24	Fri 7/6/24	NA NA	0%
Block 8 (Gas Filling Station)	Sat 15/6/24	Sun 14/7/24	NA NA	
Block 9 (4-wheeled driving ground) Underground Drainage / Earthing Pits / Lightning Pits	Tue 2/4/24 Mon 11/3/24	Wed 1/5/24 Tue 18/6/24	NA NA NA NA	0% 0%
Underground Drainage / Earthing Pits / Lightning Pits Back Filling, Waterproofing and G/F Slab	Mon 11/3/24 Tue 26/3/24	Tue 18/6/24 Sun 23/6/24	NA NA NA NA	0%
WTF Block 1-4	Tue 13/6/23	Sat 16/3/24	Sat 15/7/23 NA	73%
Excavation Works	Tue 13/6/23	Sat 12/8/23	Sat 15/7/23 Tue 14/11/23	
Block 1 Block 1	NA Tue 4/7/23	NA Sot 12/8/23	Tue 1/8/23 Tue 14/11/23	100% 100% 100%
Block 1 NICE001 - 14 days EOT Claimed	Tue 4/7/23 NA	Sat 12/8/23 NA	Tue 1/8/23 Tue 17/10/23 Wed 18/10/23 Tue 31/10/23	100%
NICE002 - 4 days EOT Claimed	NA	NA	Wed 1/11/23 Sat 4/11/23	100%
NICE003 - 9.5 days EOT Claimed	NA	NA	Sun 5/11/23 Tue 14/11/23	100%
Block 2	NA Tue 13/6/23	NA Mon 17/7/23	Sat 15/7/23 Thu 14/9/23 Sat 15/7/23 Thu 17/8/23	
Block 2 NICE001 - 14 days EOT Claimed	Tue 13/6/23 NA	Mon 17/7/23 NA	Sat 15/7/23 Thu 17/8/23 Fri 18/8/23 Thu 31/8/23	
NICE001 - 14 days EOT Claimed	NA	NA	Fri 1/9/23 Mon 4/9/23	
NICE003 - 9.5 days EOT Claimed	NA	NA	Tue 5/9/23 Thu 14/9/23	100%
Block 3	NA	NA	Sat 15/7/23 Mon 11/9/23	
Block 3 NICE001 14 days FOT Claimad	Tue 20/6/23	Wed 19/7/23	Sat 15/7/23 Mon 14/8/23	
NICE001 - 14 days EOT Claimed NICE002 - 4 days EOT Claimed	NA	NA	Tue 15/8/23 Mon 28/8/23 Tue 29/8/23 Fri 1/9/23	100%
NICE002 - 4 days EOT Claimed	NA	NA	Sat 2/9/23 Mon 11/9/23	
Block 4	NA	NA	Sat 22/7/23 Sat 4/11/23	
Block 4	Tue 27/6/23	Sat 5/8/23	Sat 22/7/23 Sat 7/10/23	100% 100% 100% 100% 100%
NICE001 - 14 days EOT Claimed	NA	NA	Sun 8/10/23 Sat 21/10/23 Sun 22/10/23 Wed 25/10/23	100%
NICE002 - 4 days EOT Claimed NICE003 - 9.5 days EOT Claimed	NA NA	NA	Sun 22/10/23 Wed 25/10/23 Thu 26/10/23 Sat 4/11/23	100%
Footing	Thu 14/9/23	Sun 26/11/23	Mon 20/11/23 Fri 9/2/24	
Block 1	Fri 1/12/23	Mon 29/1/24	Fri 1/12/23 Fri 9/2/24	100%
Block 2	Mon 20/11/23	Sat 13/1/24	Mon 20/11/23 Thu 21/12/23	
Block 3	Fri 8/12/23	Mon 5/2/24	Fri 8/12/23 Tue 16/1/24	
Block 4 Underground Drainage / Earthing Pits / Lightning Pits	Fri 15/12/23 Mon 20/11/23	Mon 12/2/24 Tue 27/2/24	Fri 15/12/23 Mon 5/2/24 NA NA	100% 0%
Back Filling, Waterproofing	Wed 28/2/24	Mon 27/5/24	NA NA NA NA	0%
		Fri 17/5/24		0% ♦ 87

	Critical		Task		Manual Task		Duration-only	Path Driving Predecessor Normal Task	Baseline Milestone	\diamond	Summary		External Tasks
	Critical Split	•••••	Split	•••••	Start-only	E	Path Driving Predecessor Milestone Task 🔶	Baseline	Milestone	•	Manual Summary		External Milestor
	Critical Progress		Task Progress		Finish-only	3	Path Driving Predecessor Summary Task	 Baseline Split	 Summary Progress		Project Summary	1 1	Inactive Task
								Daga 20					

ſasks	Inactive Milestone	\$	
Vilestone	\$ Inactive Summary	I	
`ask	Deadline	+	

m 1 XT	D L' C	D 11 D 1		or 0	BLJ Programme Feb 2024 rolling
Task Name	Baseline Start	Baseline Finish	Act. Start Act. Finish	1 % Comp. Qtr 4, 20 Oct	2 Qtr 1, 2023 Qtr 2, 2023 Qtr 4, 2023 Qtr 4, 2023 Qtr 1, 2024 Qtr 3, 2024 Qtr 4, 2024 Qtr 3, 2025 Qtr 4, 2025 Qtr 3, 2025 Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Sep Oct Nov Jul Aug Sep Sep
Site Execution Superstructure Construction	Fri 23/12/22 Sun 29/10/23	Sat 5/7/25 Wed 5/3/25	Wed 21/12/22 NA	NA 8% NA 0%	I 0%
	Sun 29/10/23	Sat 14/9/24	NA	NA 0%	1 0%
PD&TTC Block 1 (Cast in-situ + recess opening method)	Mon 6/11/23	Tue 5/11/24	NA	NA 0%	1 0%
	Thu 7/3/24	Sat 20/4/24	NA	NA 0%	0%
	Thu 28/3/24	Wed 1/5/24	NA	NA 0%	0%
G/F Portion A	Mon 19/2/24 Mon 19/2/24	Thu 21/3/24 Thu 7/3/24	NA NA	NA 0%	I 0% □===0%
	Tue 5/3/24	Thu 21/3/24	NA	NA 0%	0%
	Fri 8/3/24	Fri 5/4/24	NA	NA 0%	0%
Portion A	Fri 8/3/24	Fri 22/3/24	NA	NA 0%	0%
Portion B	Fri 22/3/24	Fri 5/4/24	NA	NA 0%	0%
	Sat 23/3/24	Mon 15/4/24	NA	NA 0%	0%
Portion A Portion B	Sat 23/3/24	Mon 1/4/24	NA NA	NA 0% NA 0%	₩ 0% ₩ 0%
	Sat 6/4/24 Tue 2/4/24	Mon 15/4/24 Thu 25/4/24	NA	NA 0%	
Portion A	Tue 2/4/24	Thu 11/4/24	NA	NA 0%	0%
Portion B	Tue 16/4/24	Thu 25/4/24	NA	NA 0%	0%
	Fri 12/4/24	Sun 5/5/24	NA	NA 0%	1 1 0%
Portion A	Fri 12/4/24	Sun 21/4/24	NA	NA 0%	0%
Portion B R/F	Fri 26/4/24	Sun 5/5/24	NA	NA 0%	0%
R/F Portion A	Mon 22/4/24 Mon 22/4/24	Mon 13/5/24 Mon 29/4/24	NA NA	NA 0%	
	Mon 22/4/24 Mon 6/5/24	Mon 29/4/24 Mon 13/5/24	NA	NA 0% NA 0%	0% 0% 0%
	Tue 30/4/24	Sat 18/5/24	NA	NA 0%	0%
	Sun 12/5/24	Thu 23/5/24	NA	NA 0%	0%
Late Cast RC Works for the Opening of Tower Crane	Sat 3/8/24	Mon 19/8/24	NA	NA 0%	0%
	Mon 6/11/23	Tue 5/11/24	NA	NA 0%	
	Mon 6/11/23 Mon 11/12/23	Mon 6/11/23 Mon 11/12/23	NA NA	NA 0% NA 0%	◆ 6/11 ▲ 11/12
5	Tue 12/12/23	Wed 14/2/24	NA	NA 0%	11/12
	Thu 15/2/24	Thu 16/5/24	NA	NA 0%	0%
On-site Trial Installation	Fri 17/5/24	Tue 21/5/24	NA	NA 0%	0%
MiC and MiMep Installation , Late Cast RC Works	Wed 22/5/24	Sat 27/7/24	NA	NA 0%	0%
	Sun 9/6/24	Tue 5/11/24	NA	NA 0%	
Block 2 Carpark PD&TTC Block 2-9	Sun 9/6/24	Tue 5/11/24	NA	NA 0%	0%
	Mon 11/12/23 Mon 11/12/23	Fri 19/7/24 Tue 30/4/24	NA NA	NA 0% NA 0%	
Structural Materials Submission& Approval	Tue 30/1/24	Tue 30/1/24	NA	NA 0%	♦ 30/1
Fitting Out Materials Submission& Approval	Mon 11/12/23	Mon 11/12/23	NA	NA 0%	◆ 11/12
Structural materials Ordering and Fabrication of MiC Carcass	Wed 31/1/24	Mon 29/4/24	NA	NA 0%	0%
	Tue 30/4/24	Tue 30/4/24	NA	NA 0%	0%
MiC Installation and Site Works Block 3 (2-wheeled driving ground) (12Nos.of MiC)	Wed 1/5/24	Fri 19/7/24	NA	NA 0%	1 0%
	Wed 1/5/24 Wed 8/5/24	Fri 14/6/24 Fri 21/6/24	NA NA	NA 0% NA 0%	
	Wed 8/5/24 Wed 15/5/24	Fri 28/6/24	NA	NA 0%	0%
Block 6 (4-wheeled driving ground) (9Nos.of MiC)	Wed 13/5/24 Wed 22/5/24	Fri 5/7/24	NA	NA 0%	0%
Block 7 (2-wheeled & 4-wheeled driving ground) (11Nos.of M	Wed 29/5/24	Fri 12/7/24	NA	NA 0%	0%
Block 8 (Gas Filling Station) (10Nos.of MiC)	Wed 5/6/24	Fri 19/7/24	NA	NA 0%	0%
	Wed 22/5/24	Fri 5/7/24	NA	NA 0%	0%
	Fri 12/1/24 Fri 12/1/24	Tue 5/3/24	NA NA	NA 0%	0%
Backfilling and G/F slab	Wed 6/3/24	Thu 21/3/24	NA	NA 0%	0%
Fuel station superstructure	Fri 22/3/24	Tue 9/4/24	NA	NA 0%	0%
WTF Block 1-4	Sun 7/1/24	Mon 27/5/24	NA	NA 0%	I 0%
	Sun 28/1/24	Mon 27/5/24	NA	NA 0%	
G/F	Sun 28/1/24	Tue 12/3/24	Sat 10/2/24	NA 15%	
1/F 2/F	Wed 6/3/24 Fri 29/3/24	Thu 4/4/24 Fri 19/4/24	NA NA	NA 0% NA 0%	0%
R/F	Sat 13/4/24	Sat 4/5/24	NA	NA 0%	1 I I I I I I I I I I I I I I I I I I I
TR/F	Sun 28/4/24	Mon 27/5/24	NA	NA 0%	0%
Block 2 (Arcade and Residential Mock Bldg.)	Sun 7/1/24	Sun 5/5/24	NA	NA 0%	I 0%
G/F 1/F	Sun 7/1/24	Tue 20/2/24	Fri 15/12/23	NA 25%	/ ™ ™ ₩ ₩ 25%
1/F	Wed 14/2/24	Thu 14/3/24	NA	NA 0%	
2/F R/F	Fri 8/3/24 Sat 23/3/24	Fri 29/3/24 Sun 21/4/24	NA NA	NA 0% NA 0%	
	Sat 23/3/24 Mon 15/4/24	Sun 5/5/24	NA	NA 0% NA 0%	
Block 3 (MOE Bldg.)	Sun 14/1/24	Sun 12/5/24	NA	NA 0%	
Block 3 (MOE Bldg.) G/F 1/F	Sun 14/1/24	Tue 5/3/24	Tue 16/1/24	NA 10%	
1/F	Wed 28/2/24	Thu 28/3/24	NA	NA 0%	0%
	Fri 22/3/24	Sun 14/4/24	NA	NA 0%	
	Mon 8/4/24	Sun 28/4/24	NA	NA 0%	0%
TR/F Block 4 (Marine Mock Bldg.)	Mon 22/4/24	Sun 12/5/24	NA NA	NA 0% NA 0%	
G/F	Sun 21/1/24 Sun 21/1/24	Mon 20/5/24 Tue 5/3/24	NA Tue 6/2/24	NA 0% NA 10%	
1/F	Wed 28/2/24	Thu 28/3/24	NA	NA 10%	10%
	Fri 22/3/24	Fri 12/4/24	NA	NA 0%	
	Sat 6/4/24	Sat 27/4/24	NA	NA 0%	
	Sun 21/4/24	Mon 20/5/24	NA	NA 0%	
Completion of Superstructure of Section 1	Sat 10/8/24	Sat 10/8/24	NA	NA 0%	0% 0% 19/8
Critical Spi			Finish-only	3	Path Driving Predecessor Normal Task Milestone \blacklozenge Project Summary Inactive Milestone \diamondsuit
Critical Split Ta:	sk Progress		Duration-only		Baseline Summary Progress External Tasks Inactive Summary
	nual Task		Path Driving Predecessor Path Driving Predecessor		Baseline Split Summary External Milestone Deadline Baseline Milestone \diamond Manual Summary Inactive Task



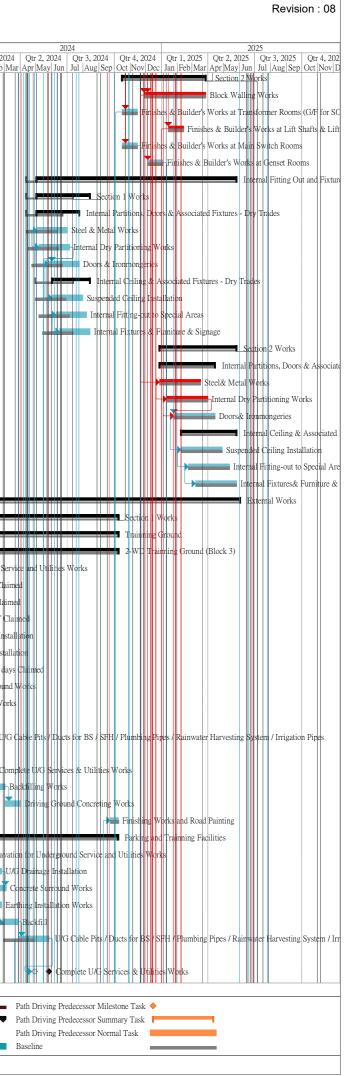
		Design		on of Kong N Progra	-	Police II	unng		29				
	Task	Durnation	Start	Finish	Total Slack	Time Risk Allowance	Otr 4, 202	Otr 1, 2023	202 Otr 2, 2023	23 Otr 3, 2023	Otr 4, 2023	Otr 1	2024
	Section 2 Works	163 d	Wed 16/10/24	Thu 27/3/25	-12 d	_	Oct Nov De	c Jan Feb Mar	Apr May Jun	Jul Aug Sep	Oct Nov Der	c Jan Fe	eb Ma
	Block Walling Works	103 d	Thu 28/11/24	Thu 27/3/25	-12 d	1 d	4						
	Finishes & Builder's Works at Transformer Rooms (G/F for SOTF Block1)	30 d	Wed 16/10/24	Thu 14/11/24	41 d	0 d	_						
	Finishes & Builder's Works at Lift Shafts & Lift Machine Rooms (SOTF Block1)	26 d	Tue 14/1/25	Wed 12/2/25	9 d	0 d	_						
	Finishes & Builder's Works at Main Switch Rooms	30 d	Wed 16/10/24	Thu 14/11/24	40 d	0 d	_						
	Finishes & Builder's Works at Genset Rooms	30 d	Thu 5/12/24	Fri 3/1/25	52 d	0 d	_						
I	nternal Fitting Out and Fixtures - Dry Trades	389 d	Fri 3/5/24	Mon 26/5/25	34 d	0 u							
	Section 1 Works	104 d	Fri 3/5/24	Wed 14/8/24	218 d								
	Internal Partitions, Doors & Associated Fixtures - Dry Trades	83 d	Fri 3/5/24	Wed 24/7/24	218 d		4						
	Steel & Metal Works	60 d	Fri 3/5/24	Mon 1/7/24	218 d	1 d	_						
	Internal Dry Partitioning Works	60 d	Tue 7/5/24	Fri 5/7/24	218 d	1 d	-						
	Doors & Ironmongeries	60 d	Sun 26/5/24	Wed 24/7/24	232 d	1 d	_						
	Internal Ceiling & Associated Fixtures - Dry Trades	74 d	Sun 2/6/24	Wed 14/8/24	232 d	d	_						
	Suspended Ceiling Installation	60 d	Sun 2/6/24	Wed 31/7/24	232 d	1 d	_						
	Internal Fitting-out to Special Areas	60 d	Sun 9/6/24	Wed 7/8/24	232 d	1 d	_						
	Internal Fixtures & Furniture & Signage	60 d	Sun 16/6/24	Wed 14/8/24	232 d	1 d	-						
	Section 2 Works	150 d	Sat 28/12/24	Mon 26/5/25	-12 d	1.0							
	Internal Partitions, Doors & Associated Fixtures - Dry Trades	108 d	Sat 28/12/24 Sat 28/12/24	Mon 14/4/25	-12 d		4						
	Steel& Metal Works	80 d	Sat 28/12/24 Sat 28/12/24	Mon 17/3/25	-12 d	1 d	-						
	Internal Dry Partitioning Works	80 d	Sat 28/12/24 Sat 11/1/25	Mon 31/3/25	-12 d	1 d	-						
	Doors& Ironmongeries	80 d	Sat 11/1/25 Sat 25/1/25	Mon 14/4/25	-12 u 34 d	1 d	_						
	Internal Ceiling & Associated Fixtures - Dry Trades	108 d	Sat 23/1/23 Sat 8/2/25	Mon 26/5/25	34 d	IU	-						
						1 d	-						
	Suspended Ceiling Installation	80 d	Sat 8/2/25	Mon 28/4/25	34 d		_						
	Internal Fitting-out to Special Areas	80 d	Sat 22/2/25	Mon 12/5/25	34 d	1 d 1 d	_						
ſ	Internal Fixtures& Furniture & Signage	80 d	Sat 8/3/25	Mon 26/5/25	34 d	10							
1	external Works Section 1 Works	682 d	Sat 22/7/23	Mon 2/6/25	23 d								
		445 d	Sat 22/7/23	Tue 8/10/24	23 d								Π
	Trainning Ground	445 d	Sat 22/7/23	Tue 8/10/24	23 d		_						
	2-WD Trainning Ground (Block 3)	445 d	Sat 22/7/23	Tue 8/10/24	23 d		_			Freat	ation for Und	derorous	
	Excavation for Underground Service and Utilities Works	30 d	Sat 22/7/23	Sun 20/8/23	23 d		_				CE001 - 14 da		
	NICE001 - 14 days EOT Claimed	14 d	Mon 21/8/23	Sun 3/9/23	23 d		_				CE002 - 4 da		
	NICE002 - 4 days EOT Claimed	4 d	Mon 4/9/23	Thu 7/9/23	23 d		_				UCE003 - 10		
	NICE003 - 10 days EOT Claimed	10 d	Fri 8/9/23	Sun 17/9/23	23 d		_				U/G		
	U/G Drainage Installation	49 d	Tue 19/9/23	Mon 6/11/23	876 d		_					Drainage Ir	
	U/G Drainage Installation	45 d	Tue 19/9/23	Thu 2/11/23	876 d		_					0019 - 3.5	
	CNE-0019 - 3.5 days Claimed	4 d	Fri 3/11/23	Mon 6/11/23	876 d		_				Conc		
	Concrete Surround Works	14 d	Thu 2/11/23	Wed 15/11/23	876 d		_			↓□	Earthing Inst		
	Earthing Installation Works	35 d	Sat 26/8/23	Fri 29/9/23	1061 d		_						
	Backfill	30 d	Thu 9/11/23	Fri 8/12/23	876 d		_						
	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater Harvesting	60 d	Sat 9/12/23	Tue 6/2/24	876 d								H
	System / Irrigation Pipes	o '	T. 6 10 15 1	T 6/2/2 :	0.01		_						
	Complete U/G Services & Utilities Works	0 d	Tue 6/2/24	Tue 6/2/24	931 d		_					3 _ ◆	
	Backfilling Works	45 d	Thu 18/1/24	Sat 2/3/24	876 d		_						
	Driving Ground Concreting Works	30 d	Sun 3/3/24	Mon 1/4/24	876 d		_						
	Finishing Works and Road Painting	16 d	Mon 23/9/24	Tue 8/10/24	686 d		_						
	Parking and Trainning Facilities	301 d	Tue 12/12/23	Mon 7/10/24	193 d		_				│ │ │ │ │		f
	Excavation for Underground Service and Utilities Works	40 d	Tue 12/12/23	Sat 20/1/24	193 d		_					- HEko	car
	U/G Drainage Installation	60 d	Wed 27/12/23	Sat 24/2/24	766 d								ľ
	Concrete Surround Works	14 d	Tue 20/2/24	Mon 4/3/24	766 d								
	Earthing Installation Works	30 d	Fri 26/1/24	Sat 24/2/24	913 d								
	Backfill	30 d	Tue 27/2/24	Wed 27/3/24	766 d							/ 	
	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater Harvesting System / Irrigation Pipes	60 d	Thu 28/3/24	Sun 26/5/24	766 d								
	Complete U/G Services & Utilities Works	0 d	Sun 26/5/24	Sun 26/5/24	821 d								

Inactive Summary			 	 	

Critical Task

External Milestone

I.



		Design a	& Construct	ion of Kong N Progra	-	Police Ti	raining Facilities	
	Task	Durnation	Start	Fiogra	Total Slack	Time Risk Allowance	2023	
						Allowance	Qtr 4, 2022 Qtr 1, 2023 Qtr 2, 2023 Qtr 3, 2023 Qtr 4, 2023	r 1, 2024
/	Backfilling Works	45 d	Tue 7/5/24	Thu 20/6/24	766 d			
	Driving Ground Concreting Works	30 d	Fri 21/6/24	Sat 20/7/24	766 d			
	Finishing Works and Road Painting	15 d	Mon 23/9/24	Mon 7/10/24	687 d			
	Braking Training (Block 4)	386 d	Mon 18/9/23	Mon 7/10/24	23 d			
	Excavation for Underground Service and Utilities Works	55 d	Mon 18/9/23	Sat 11/11/23	23 d		Excavatio	n ior Unde
	Excavation for Underground Service and Utilities Works	45 d	Mon 18/9/23	Wed 1/11/23	23 d			for Undergr
	NICE003 - 10 days EOT Claimed	10 d	Thu 2/11/23	Sat 11/11/23	806 d		- ICE003 -	10 days E0
	U/G Drainage Installation	60 d	Fri 17/11/23	Mon 15/1/24	806 d			U/G Draina
	Concrete Surround Works	14 d	Thu 11/1/24	Wed 24/1/24	806 d			Concrete
	Earthing Installation Works	40 d	Tue 7/11/23	Sat 16/12/23	983 d		Earth	ing Installe
	Backfill	30 d	Thu 18/1/24	Fri 16/2/24	806 d			Back
	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater Harvesting System / Irrigation Pipes	60 d	Sat 17/2/24	Tue 16/4/24	806 d			
	Complete U/G Services & Utilities Works	0 d	Tue 16/4/24	Tue 16/4/24	861 d			
	Backfilling Works	45 d	Thu 28/3/24	Sat 11/5/24	806 d		-	┝┙┿┥
	Driving Ground Concreting Works	30 d	Sun 12/5/24	Mon 10/6/24	806 d			
	Finishing Works and Road Painting	15 d	Mon 23/9/24	Mon 7/10/24	687 d			
	Skid Pan (Block 5)	341 d	Thu 2/11/23	Mon 7/10/24	23 d		──────────────────────────────────────	╞╡╬╫═┿┦
	Excavation for Underground Service and Utilities Works	40 d	Thu 2/11/23	Mon 11/12/23	23 d		Excav	ation for U
	U/G Drainage Installation	50 d	Fri 17/11/23	Fri 5/1/24	816 d			/G Drainag
	Concrete Surround Works	14 d	Mon 1/1/24	Sun 14/1/24	816 d			Concrete S
	Earthing Installation Works	35 d	Sun 17/12/23	Sat 20/1/24	948 d			Earthing l
	Backfill	30 d	Mon 8/1/24	Tue 6/2/24	816 d			Backfil
	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater Harvesting System / Irrigation Pipes	60 d	Wed 7/2/24	Sat 6/4/24	816 d			
	Complete U/G Services & Utilities Works	0 d	Sat 6/4/24	Sat 6/4/24	871 d			
	Backfilling Works	45 d	Mon 18/3/24	Wed 1/5/24	816 d			
	Driving Ground Concreting Works	30 d	Thu 2/5/24	Fri 31/5/24	816 d			
	Finishing Works and Road Painting	15 d	Mon 23/9/24	Mon 7/10/24	687 d			
	4-WD Trainning Ground (Block 6 and Block 9)	221 d	Fri 1/3/24	Mon 7/10/24	193 d			
	Excavation for Underground Service and Utilities Works	40 d	Fri 1/3/24	Tue 9/4/24	193 d			╏╍╍╍
	U/G Drainage Installation	45 d	Sat 16/3/24	Mon 29/4/24	839 d			
	Concrete Surround Works	14 d	Thu 25/4/24	Wed 8/5/24	839 d			
	Earthing Installation Works	30 d	Mon 15/4/24	Tue 14/5/24	833 d			
	Backfill	30 d	Thu 2/5/24	Fri 31/5/24	756 d			
	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater Harvesting	60 d	Sat 1/6/24	Tue 30/7/24	756 d			
	System / Irrigation Pipes		04(2, 0, 2)					
	Complete U/G Services & Utilities Works	0 d	Tue 30/7/24	Tue 30/7/24	756 d			
	Backfilling Works	45 d	Thu 11/7/24	Sat 24/8/24	701 d			
	Driving Ground Concreting Works	30 d	Sun 25/8/24	Mon 23/9/24	701 d			
	Finishing Works and Road Painting	15 d	Mon 23/9/24	Mon 7/10/24	687 d			
	2-WD and 4-WD Trainning Ground (Block 7)	261 d	Sun 21/1/24	Mon 7/10/24	193 d			╞╡╤╬╤╤
	Excavation for Underground Service and Utilities Works	40 d	Sun 21/1/24	Thu 29/2/24	193 d			Exc
	U/G Drainage Installation	55 d	Mon 5/2/24	Sat 30/3/24	731 d			┢╋┿╫┝╢
	Concrete Surround Works	14 d	Tue 26/3/24	Mon 8/4/24	731 d			
	Earthing Installation Works	30 d	Wed 6/3/24	Thu 4/4/24	873 d			
	Backfill	30 d	Tue 2/4/24	Wed 1/5/24	731 d			
	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater Harvesting System / Irrigation Pipes	60 d	Thu 2/5/24	Sun 30/6/24	731 d			
	Complete U/G Services & Utilities Works	0 d	Sun 30/6/24	Sun 30/6/24	786 d			
	Backfilling Works	45 d	Tue 11/6/24	Thu 25/7/24	731 d			
	Driving Ground Concreting Works	30 d	Fri 26/7/24	Sat 24/8/24	731 d			
	Finishing Works and Road Painting	15 d	Mon 23/9/24	Mon 7/10/24	687 d			
	Gas Filing Station (Block 8)	13 U 181 d	Wed 10/4/24	Mon 7/10/24	193 d			
6		TOT U	vveu 10/4/24	101011 // 10/24	192 U			

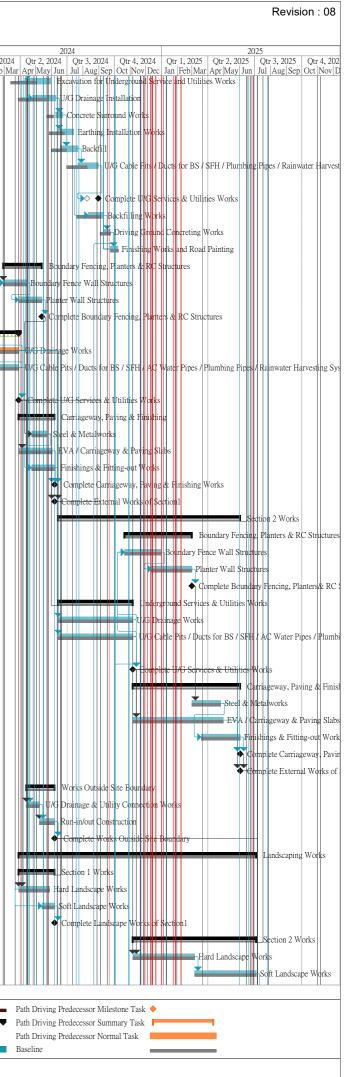
C	中國建築聯營 CHINA STATE JOINT VENTURE
	CHINA STATE JOINT VENTURE

Baseline Milestone	\diamond	Milestone	•	Manual Task	1	T	Start-only		Path
Baseline Summary		Summary		Duration-only		_	Finish-only		Path
Task		Inactive Milestone		Manual Summary Rollup			External Tasks	♦	Path
Critical Task		Inactive Summary		Manual Summary	I.	I.	External Milestone		Base
				Page 26					

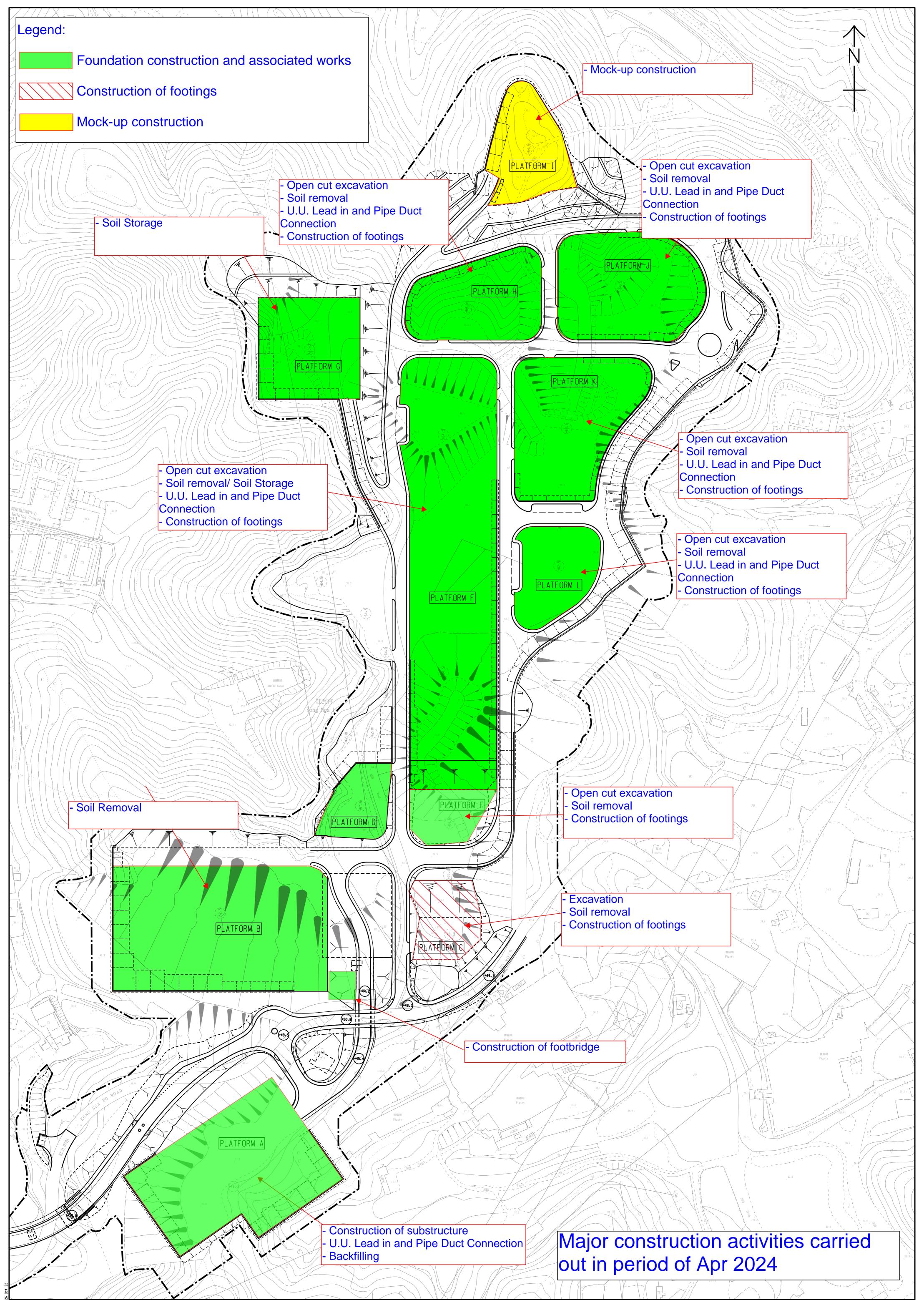
	Revision : 08
2024 202 ptr 2, 2024 Qtr 3, 2024 Qtr 4, 2024 Qtr 1, 2025 Qtr 2, 2025 adverse to the second	Qtr 3, 2025 Qtr 4, 202
r May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Backfilling Works	
Driving Ground Concreting Works	
Eraking Training (Block 4)	
nd Service and Utilities Works	
Clained Installation	
raund Warks	
n Works	
∩ U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater Har	vesting System / Irrigatior
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Backfilling Works The Driving Ground Concreting Works	
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erground Service and Utilities Works	
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Backfilling Works	
Driving Ground Concreting Works	
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Excavation for Underground Service and Utilities Works	
Concrete Surround Works Earthing Installation Works	
Backfill	
U/G Cable Pits / Ducts for B\$ / SFH / Plumbing Pipe	/ Rainwater Harvesting S
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Complete U/G Services & Utilities Works	
Backfilling Works	
Driving Ground Concreting Works	
Gas Filing Station (Block 8)	
Driving Predecessor Milestone Task	
Driving Predecessor Summary Task Driving Predecessor Normal Task	
line	

		uesign a	& Constructi	ion of Kong N Progra	-	Police T	raining Facilities	
D	Task	Durnation	Start	Finish	Total Slack	Time Risk Allowance	2023)tr 1 2024
07		50.1			100.1		Qtr 4, 2022 Qtr 1, 2023 Qtr 2, 2023 Qtr 3, 2023 Qtr 4, 2023 Q Qtr 4, 2023	n Feb Mar
408	Excavation for Underground Service and Utilities Works	50 d	Wed 10/4/24	Wed 29/5/24	193 d			
109	U/G Drainage Installation	45 d	Thu 25/4/24	Sat 8/6/24	193 d			
10	Concrete Surround Works	14 d	Sun 9/6/24	Sat 22/6/24	193 d			
11	Earthing Installation Works	30 d	Fri 14/6/24	Sat 13/7/24	773 d			
2	Backfill	34 d 40 d	Tue 18/6/24	Sun 21/7/24	193 d 193 d			
	U/G Cable Pits / Ducts for BS / SFH / Plumbing Pipes / Rainwater Harvesting System / Irrigation Pipes	40 a	Mon 22/7/24	Fri 30/8/24	193.0			
.3	Complete U/G Services & Utilities Works	0 d	Fri 30/8/24	Fri 30/8/24	725 d			
4	Backfilling Works	30 d	Sun 11/8/24	Mon 9/9/24	193 d			
5	Driving Ground Concreting Works	13 d	Tue 10/9/24	Sun 22/9/24	193 d			
	Finishing Works and Road Painting	15 d	Mon 23/9/24	Mon 7/10/24	686 d			
	Boundary Fencing, Planters & RC Structures	75 d	Wed 28/2/24	Sun 12/5/24	301 d			
3	Boundary Fence Wall Structures	45 d	Wed 28/2/24	Fri 12/4/24	301 d	0 d		
	Planter Wall Structures	45 d	Fri 29/3/24	Sun 12/5/24	301 d	0 d		
	Complete Boundary Fencing, Planters & RC Structures	0 d	Sun 12/5/24	Sun 12/5/24	301 d	0 d		
	Underground Services & Utilities Works	120 d	Thu 30/11/23	Thu 28/3/24	29 d			
	U/G Drainage Works	120 d	Thu 30/11/23	Thu 28/3/24	29 d	1 d		
	U/G Cable Pits / Ducts for BS / SFH / AC Water Pipes / Plumbing Pipes / Rainwater Harvesting System / Irrigation Pipes	120 d	Thu 30/11/23	Thu 28/3/24	301 d	1 d		
	Complete U/G Services & Utilities Works	0 d	Thu 28/3/24	Thu 28/3/24	306 d	0 d		
	Carriageway, Paving & Finishing	70 d	Fri 29/3/24	Thu 6/6/24	301 d	d		
	Steel & Metalworks	30 d	Tue 23/4/24	Wed 22/5/24	301 d	0 d		
	EVA / Carriageway & Paving Slabs	65 d	Fri 29/3/24	Sat 1/6/24	306 d	1 d		
	Finishings & Fitting-out Works	45 d	Tue 23/4/24	Thu 6/6/24	301 d	0 d		
	Complete Carriageway, Paving & Finishing Works	0 d	Thu 6/6/24	Thu 6/6/24	301 d	0 d		
	Complete External Works of Section1	0 d	Thu 6/6/24	Thu 6/6/24	301 d	0 d		
	Section 2 Works	354 d	Fri 14/6/24	Mon 2/6/25	27 d			
	Boundary Fencing, Planters & RC Structures	131 d	Mon 21/10/24	Fri 28/2/25	25 d			
	Boundary Fence Wall Structures	60 d	Mon 21/10/24	Mon 30/12/24	22 d	1 d		
	Planter Wall Structures	60 d	Thu 12/12/24	Fri 28/2/25	22 d	1 d		
	Complete Boundary Fencing, Planters& RC Structures	0 d	Fri 28/2/25	Fri 28/2/25	22 d	0 d		
	Underground Services & Utilities Works	145 d	Fri 14/6/24	Tue 5/11/24	27 d			
	U/G Drainage Works	120 d	Fri 14/6/24	Tue 5/11/24	22 d	1 d		
	U/G Cable Pits / Ducts for BS / SFH / AC Water Pipes / Plumbing Pipes / Rainwater Harvesting System / Irrigation Pipes	120 d	Fri 14/6/24	Tue 5/11/24	22 d	1 d		
	Complete U/G Services & Utilities Works	0 d	Tue 5/11/24	Tue 5/11/24	48 d	0 d		
	Carriageway, Paving & Finishing	209 d	Wed 6/11/24	Mon 2/6/25	27 d			
	Steel & Metalworks	45 d	Sat 1/3/25	Fri 25/4/25	22 d	0 d		
	EVA / Carriageway & Paving Slabs	140 d	Wed 6/11/24	Wed 30/4/25	48 d	1 d		
	Finishings & Fitting-out Works	60 d	Wed 19/3/25	Mon 2/6/25	22 d	1 d		
-	Complete Carriageway, Paving & Finishing Works	0 d	Mon 2/6/25	Mon 2/6/25	22 d	0 d		
-	Complete External Works of Section2	0 d	Mon 2/6/25	Mon 2/6/25	22 d	0 d		
١	Vorks Outside Site Boundary	55 d	Sat 13/4/24	Thu 6/6/24	301 d			
	U/G Drainage & Utility Connection Works	25 d	Sat 13/4/24	Tue 7/5/24	301 d	0 d	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
-	Run-in/out Construction	30 d	Wed 8/5/24	Thu 6/6/24	301 d	0 d		
-	Complete Works Outside Site Boundary	0 d	Thu 6/6/24	Thu 6/6/24	301 d	0 d		
	andscaping Works	462 d	Fri 29/3/24	Thu 3/7/25	418 d	- u		
	Section 1 Works	70 d	Fri 29/3/24	Thu 6/6/24	810 d			
	Hard Landscape Works	60 d	Fri 29/3/24	Mon 27/5/24	810 d	1 d	-	
	Soft Landscape Works	25 d	Mon 13/5/24	Thu 6/6/24	810 d	0 d		
-	Complete Landscape Works of Section1	0 d	Thu 6/6/24	Thu 6/6/24	810 d	0 d		
	Section 2 Works	240 d	Wed 6/11/24	Thu 3/7/25	353 d	d		
	Hard Landscape Works	120 d	Wed 6/11/24 Wed 6/11/24	Wed 5/3/25	353 d	1 d	- II I I I I I I I I I I I I I I I I I	
	Soft Landscape Works	120 d	Thu 6/3/25	Thu 3/7/25	353 d	2 d		
		120 0	110 0/3/23	110 5/7/25	555 u	2 U		
		estone	•	Manual		_	Start-only	I
18		nmary ctive Milestone		Duration Manual S	-only Summary Rollur		Finish-only External Tasks	F F
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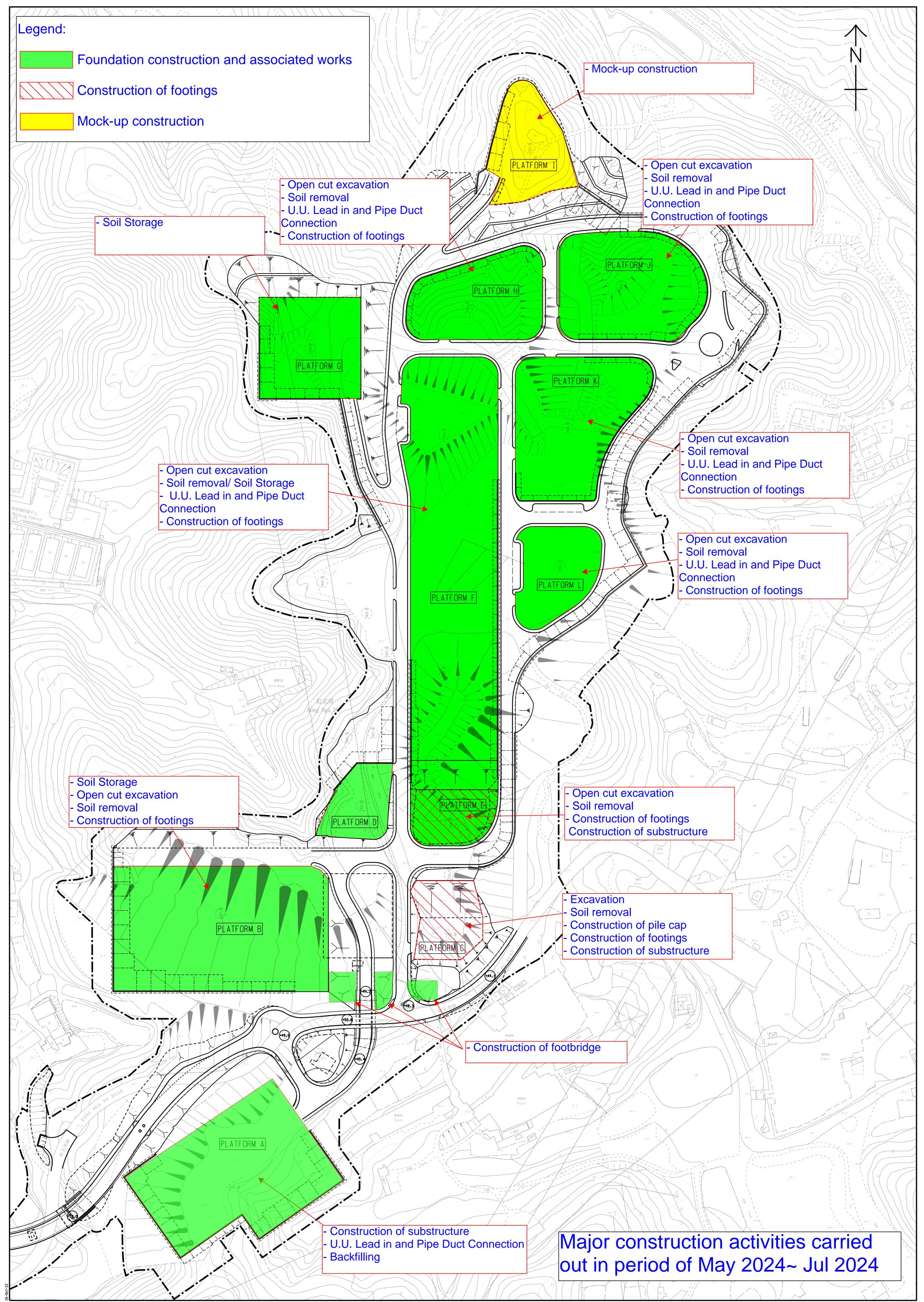
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Layout Plan with major construction activities



.*DF*DF0080*Main site layout.dg



..*DF*DF0080*Main site layout.dg

Proactive Environmental Protection Proforma

Design and Construction of Kong Nga Po Police Training Facilities Proactive Environmental Protection Proforma

Ref* Anticipated Major Proposed Location/Working **Recommended Mitigation Measures** Construction Period Impacts Method EIA 3.9.1; Dust impact from • Use of regular water spraying (once every 1.25 hours or 8 Open Kong Nga Po Site cut EM&A Log 2.2 times per day) at all active works area exposed site surfaces excavation excavation activities and earth and unpaved roads, particularly during dry weather moving 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 ٠ wheel of all vehicles before leaving the site EIA 4.4.6; Noise Control Regular inspection and maintenance of plant & equipment in • EM&A Log 3.2 good condition

Working Period: May to Jul 2024

EIA 5.6.1.2; EM&A Log 4.2	Working in Restricted Hours Water Pollution Control	 Enclose the noisy part of machineries with noise enclosure Adopt of Quality Powered Mechanical Equipment (QPME) if possible 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 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
		 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;				chemical handling procedures
EM&A Log 6.2				• 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.
			Chamieal Masta	
EIA 7.5.1.4;			Chemical Waste	Chemical waste should be stored at chemical waste container
EM&A Log 6.2				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			Ecology Concern	• Provide training to frontline workers for the conservative
EM&A Log 8.3				species
				Provision of protective fence for the conservative species
				• Regular inspection for concerned vegetation and conservative
				species
EIA Table 10.11;			Landscape and	• Preservation of existing trees will be undertaken in
EM&A Table 9.1			Visual Impact	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;	Soil Removal	Kong Nga Po Site	Dust impact from	• Use of regular water spraying (once every 1.25 hours or 8
EM&A Log 2.2			excavation	times per day) at all active works area exposed site surfaces
			activities and earth	and unpaved roads, particularly during dry weather

EIA 4.4.6; EM&A Log 3.2	moving Noise Control	 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 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	-
		more frequent monitoring and action should be carried out
EIA 5.6.1.2;	Water Pollution	• Cover the stockpiles of excavated materials to reduce the
EM&A Log 4.2	Control	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;	Waste Generation	 Training of site personnel in proper waste management and chemical handling procedures
EM&A Log 6.2		 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;	Chemical Waste	Chemical waste should be stored at chemical waste container
EM&A Log 6.2		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	Ecology Concern	• Provide training to frontline workers for the conservative
EM&A Log 8.3		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 an 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 i 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;			Water Pollution	• Wheels of all vehicles and plants will be cleaned before
EM&A Log 4.2			Control	 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;			Landscape and	Preservation of existing trees will be undertaken in
EM&A Table 9.1			Visual Impact	 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

EIA 4.4.6; EM&A Log 3.2	Noise Control	 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. 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

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
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
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
	Working in Restricted Hours Water Pollution

		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.

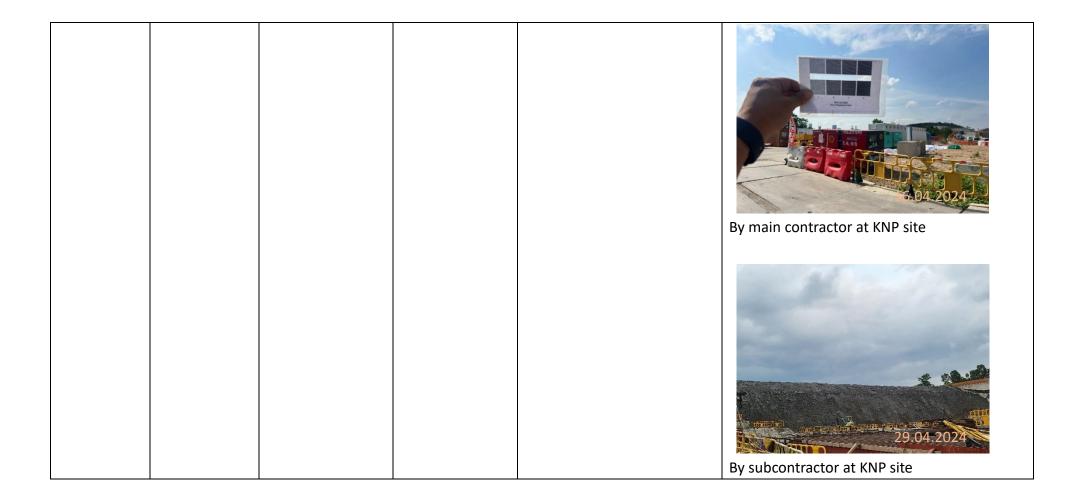
*EIA Ref/ EM&A Log/ Design Document Ref

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

Design and Construction of Kong Nga Po Police Training Facilities Proactive Environmental Protection Proforma

Working Period: Apr 2024

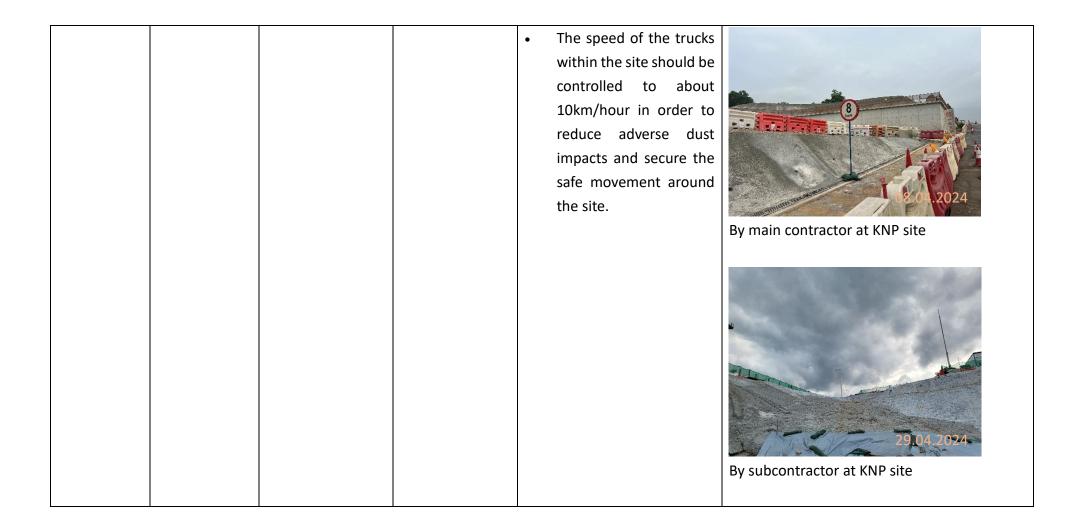
Ref*	Proposed Construction Method	Location/Working Period	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
EIA 3.9.1; EM&A Log 2.2	Open cut excavation	Kong Nga Po Site	Dust impact	 Manual water spraying for dust suppression Regular inspection and maintenance of plant 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

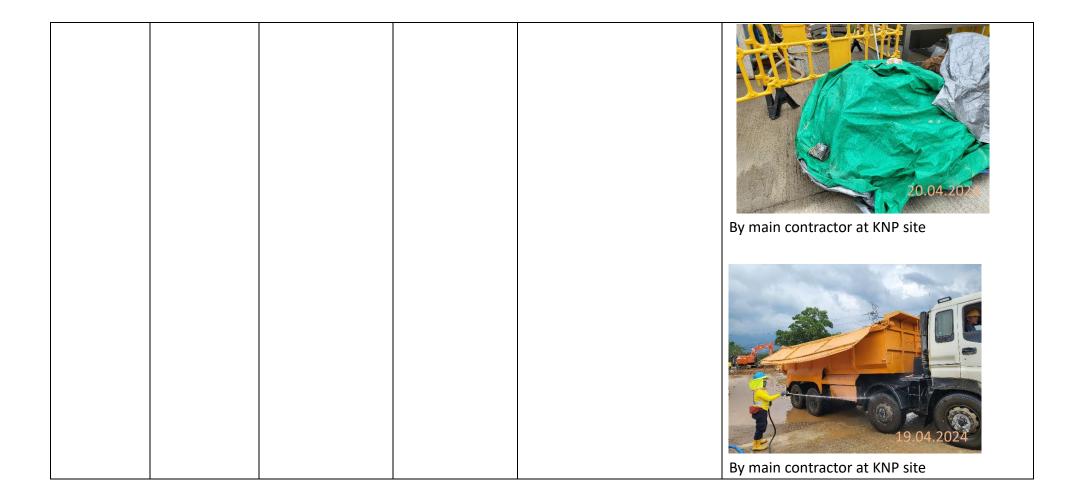


		By main contractor at KNP site
EIA 4.4.6;	Noise	Regular inspection and
EM&A Log		maintenance of plant &
3.2		equipment in good condition
		Deploy Quality Powered
		Mechanical Equipment
		(QPME) if possible
		permit should be By main contractor at KNP site displayed at site
		entrance.

EIA 9.7.1 and	Ecology Concern	 Provide training to
EM&A Log 8.3		 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

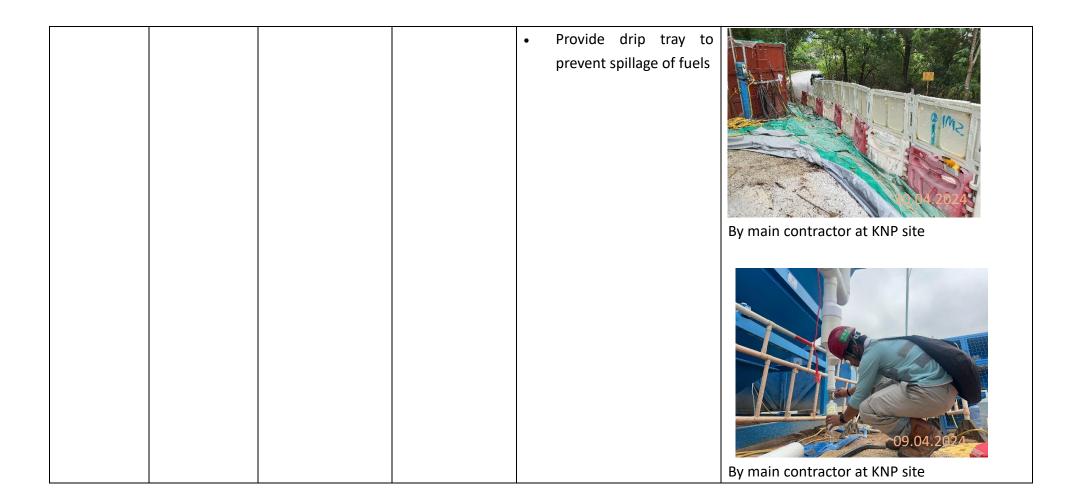
					By subcontractor at KNP site
EIA 3.9.1; EM&A Log 2.2	Soil Removal	Kong Nga Po Site	Air	 Deploy water bowser for regular water spraying to enhance dust suppression Cover dusty materials with impervious sheets Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the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





		1				
EIA	4.4.6;		Noise	•	Regular inspection and	CK2009 Ind Proof Canvas 时音 CK2009 CK2009 CK2009 CK2009
EM&A	Log				maintenance of plant &	CK2009 时音
3.2					equipment in good	And Contraction of C
					condition	All Vice of the second
				•	Deploy Quality Powered	as
					Mechanical Equipment	
					(QPME) if possible	and a second secon
				•	Noise insulating fabric	Bin the CK 25.04.2024
					adopted for excavator.	By main contractor at KNP site
						-
						and a second sec
						Market CK2
						Sound Proof Canvas
						nd P CK
						and a subscription of the
						and
						A ANAL SOUTH ANA
						By main contractor at KNP site

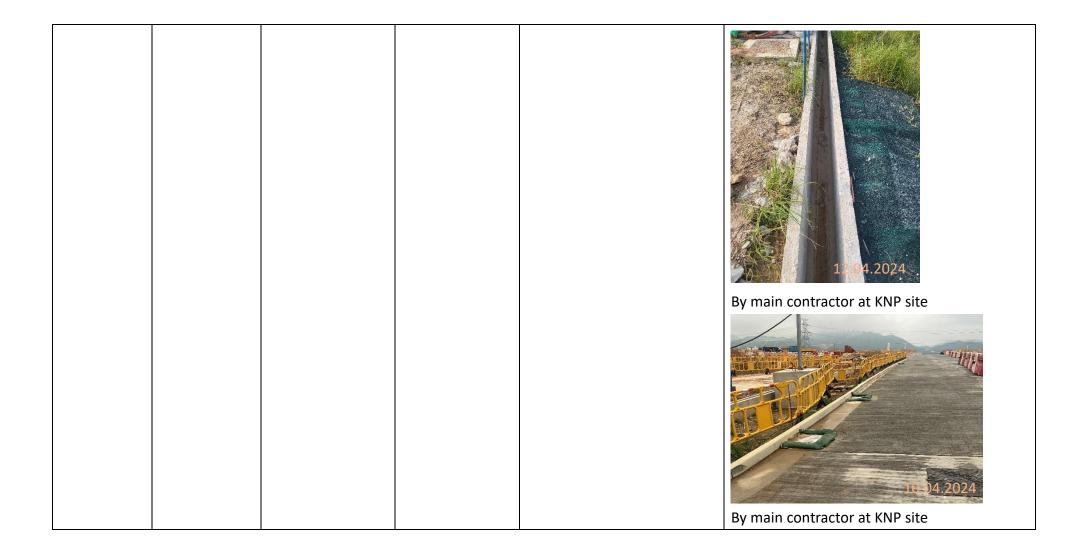
			By main contractor at KNP site
EIA 5.6.1.2 and EM&A Log 4.2	Water Quality	 Cover exposed slopes with impervious sheets or cement grout. Wastewater pumped out of the excavation areas shall be treated to remove suspended solid prior to discharge. Provide desilting/ sedimentation devices for wastewater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



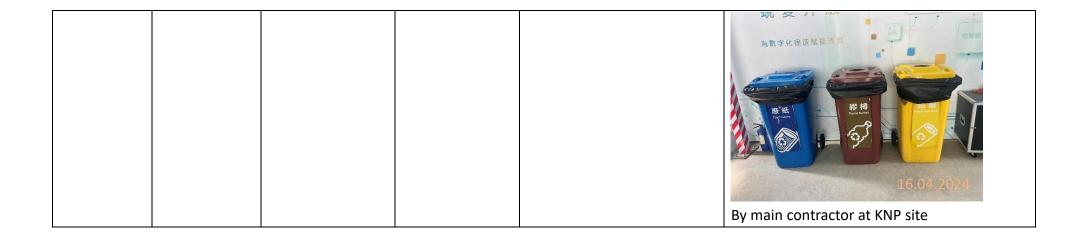
				By main contractor at KNP site
EIA Table	Landscape a	nd •	 Preservation of existing 	
10.11; EM&A	Visual Impact		trees will be undertaken	
Table 9.1			in accordance with	
			DEVB TC(W) 7/2015 and	
			Guidelines for Tree Risk	
			Assessment and	
			Management	5 04 2024
			Arrangement	
		•	F F /	By main contractor at KNP site
			traffic arrangement	
			which control	
			construction area to	

			minimize landscape and	
EIA 3.9.1; EM&A Log 2.2	Kong Nga Po Site	Air	 visual impacts 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 	Final contractor at KNP site By main contractor at KNP site Final 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



		1	Г		-		
EIA	7.5.1.2			Waste	•	Segregation and storage	and the second second
and	EM&A			Management		of different types of	
Log 6	5.2					waste in different	Charles and and
						containers or skips or	
						stockpiles to enhance	
						reuse or recycling of	
						materials and their	
						proper disposal	
					•	Sort non-inert C&D	By main contractor at KNP site
						materials to recover any	
						recyclable portions	
							and the second s
							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	500	

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**.[™] ##52 2695 3944 E: et@@ets-testconsult.com

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



Form Q/AS/C/02 Issue 1(1/4) [02/22]

CCA22520

Calibration Certificate

Cartificate No

		Certificate No.	: CSA33530
		Page	; 1 of 2
nformation Pro	vided by Customer		
Customer	: ETS - Testconsult Limited		
Address	: 8/F., Block B, Veristrong Industri	al Centre, 34 - 36 Au Pui Wan S	treet, Fotan, Shatin, Hong Kong
	Init-under-test (UUT)		
Description	: Sound Level Calibrator		
Manufacturer	: Castle	Equipment I.D.	ET/EN/002/07
Туре	: GA607	Serial No.	038641
aboratory Infor	rmation		
.ab. Ref. No.	: Q/CAL/23/4006/I	Procedure	: CQS/002/A
Date of Calibration	: 19-May-2023	Date of Receipt	: 17-May-2023
Date of Issue	: 19-May-2023	Calibration Location	: Calibration Laboratory
Calibration Cond			
Ambient Temperature		Relative Humidity	: (50±20) %
Stabilizing Time	: 30 minutes	Sampling	: As received
Ambient Pressure	: (1000 ± 50) hPa		
Reference equip			
	nd calibrator, ET/2801/01		
 Measuring Amplifi 			
- Signal generator,			
- Reference Oscillo	scope, ET/2502/01		
Calibration spec			
 To perform the call 	libration of sound level calibrator.		
Calibration resul	-		
 The results are de 	tailed on the subsequent pages.		
Remarks			
 The calibration res 	sults apply to the particular unit-under-te	est only.	Λ
	in this calibration certificate only to the v	alues measureed at the time of	test & any uncertainties quoted will
 The values given i 			
not include allowar	nce for the equipment long term drift, va		
not include allowar	nce for the equipment long term drift, va prloading, mis-handling, or the capability		
not include allowar			

The results shown in this certificate are traceable to the International System of Units (SI) or recognised measurement standards. This report shall not be reproduced unless with prior written approval from this laboratory.



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Form Q/AS/C/02 Issue 1(2/4) [02/22]

Calibration Certificate

Certificate No. : CSA33530

Page: 2 of 2

Calibration Result:

1. Measured Sound Pressure Level:

Nominal Frequency (Hz)			Expanded Uncertatiny (dB)	Coverage Factor
1000 94.0		94.1	0.13	2.0
1000	104.0	104.0	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	1000.020	0.057	2.0
1000	104.0	1000.017	0.057	2.0

Remark:

- The uncertainty quoted is based on 95 % confidence level.

- Measured output are mean of three measurements.

End of certificate



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

3

Calibration Certificate

Cer	tificate	No.
-----	----------	-----

CSA34546

Page

1 of

Information Provided by Customer

: ETS - Testconsult Limited Customer

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
Туре	NL-52	UC-59	NH-25
Equipment I.D. no.	ET/EN/003/17	2	
Serial No.	00264519	03558	64644
Adaptors used		4	
Resolution	0.1 dB	2	

Laboratory Information

CQS/001/A Q/CAL/23/5141/I Procedure Lab. Ref. No. 21-Jun-2023 28-Jun-2023 Date of Receipt Date of Calibration Calibration Laboratory Date of Issue 28-Jun-2023 **Calibration Location**

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

- 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 measuremer

Calibrated By :

Tony MA (Technician)

Approved By: CHAN Chi Wai

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Form Q/AS/C/01 Issue 1(2/7) [09/21]

Calibration Certificate

Certificate No. : CSA34546

Page : 2 of 3

Calibration Result:

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

Ra	nge / Mode		Reference Level	REF Frequency (kHz)	UUT Reading	Deviation	Expanded Uncertatiny	Coverage Factor
	Self-cal	Before	94.0		93.7	-0.3	0.13	2.0
	Range	30 to 130	104.0	1	103.7	-0.3	0.13	2.0
	Mode	Fast	114.0		113.7	-0.3	0.13	2.0
	Self-cal	After	94.0		94.0	0.0	0.13	2.0
	Range	30 to 130	104.0	1	104.1	0.1	0.13	2.0
A 14/-1-1-1/	Mode	Fast	114.0		114.1	0.1	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	Slow	114.0		114.1	0.1	0.13	2.0
	Self-cal	10	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
O WALLER	Mode	Fast	114.0		114.0	0.0	0.13	2.0
C-Weighting	Self-cal	-	94.0		94.0	0.0	0.13	2.0
	Range	30 to 130	104.0	1	104.1	0.1	0.13	2.0
	Mode	Slow	114.0		114.0	0.0	0.13	2.0
	Self-cal	-	94.0		94.0	0.0	0.13	2.0
	Range	30 to 130	104.0	1	104.1	0.1	0.13	2.0
7.141-1-1-1	Mode	Fast	114.0		114.1	0.1	0.13	2.0
Z-Weighting	Self-cal		94.0		94.0	0.0	0.13	2.0
	Range	30 to 130	104.0	1	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 Page : 3 of 3

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																																														
			31.5	54.6	40.5	-14.1	0.29	2.6																																														
			63	67.8	57.2	-10.6	0.22	2,3																																														
		94 -	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																																														
30 to 130	Fast		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
, V																																						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							
			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							
30 to 130	Fast	94	94	1000 (Ref.)	94.0	94,0	0.0	0.13	2.0						
T												2000	93.7	92.6	-1.1
			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				
		1	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																										
			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																										
30 to 130	Fast	94	1000 (Ref.)	94.0	94.0	0.0	0.13	2.0																										
								- 1		2000	94.0	92.8	-1.2	0.13	2.0																			
			4000	94.0	91.3	-2.7	0.13	2.0																										
								1	-			4				ł	ł	1	1	-	ł	-	1	1	1	-	-	1	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



RECALIBRATION DUE DATE: January 15, 2025

Certificate of Calibration

			Calibration		in the second			01/
Cal. Date:	January 15,	, 2024	Rootsi	meter S/N:	438320		295	°К
Operator:	Jim Tisch					Pa:	756.4	mm Hg
Calibration	Model #:	TE-5025A	Calik	prator S/N:	4228			
		Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔΗ	1
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(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 Tabula	tion			1
	Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right)}$)(<u>Tstd</u>)		Qa	√ ∆ Н(Та/Ра)	
	(m3)	(x-axis)	(y-ax	angest per l	Va	(x-axis)	(y-axis)	
	1.0010	0.6951	1,418		0.9956	0.6914	0.8832	
	0.9969	0.9726	2.005		0.9915	0.9674	1.2490	
	0.9948	1.0766	2.242	21	0.9894	1.0708 1.1256	1.3964	1
	0.9936	1.1316	2.35:	15	0.9882		1.4646	
	0.9884	1.3671			0.9831	1.3597	1.7664	
		m=	2.116				1.32521	
		b≕	-0.048		QA	b=	-0.03025	
		r=	0.999	87		r≂	0.99987	1
				Calculatio				
		the second se	/Pstd)(Tstd/Ta	a)		ΔVol((Pa-Δl	P)/Pa)	
	Qstd=	Vstd/∆Time				Va/∆Time		
			For subsequ	ent flow ra	te calculatio	ns:		
	Qstd=	1/m((√∆H(Pa <u>Tstd</u> Pstd Ta))-b)	Qa=	1/m ((√∆H	l(Ta/Pa))-b)	
		Conditions						
Tstd						RECA	LIBRATION	
Pstd		mm Hg	· · · · · · · · · · · · · · · · · · ·		LIS FPA reco	ommends a	nnual recalibratio	on ner 199
AH: calibrat		(ey ter reading (i	n H2O)				Regulations Part	-
		eter reading					, Reference Meth	
		perature (°K)						
Pa: actual b	arometric p	essure (mm			Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30			
b: intercept							,, ,,	
m: slope								

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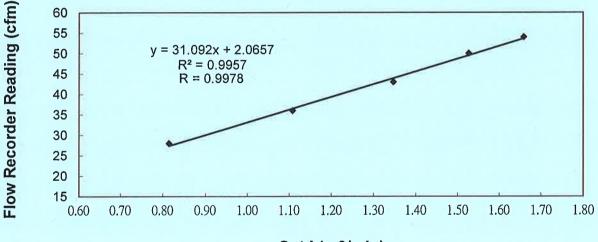
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TEST REPORT

Calibration Report of High Volume Air Sampler

Manufacturer	:	Graseby GMW Dat	e of Calib	ration	: <u>19 Fe</u>	bruary 202	4	
Serial No.	3	<u>1180 (ET / EA / 003 / 04)</u> Cal	/ 003 / 04) Calibration Due Date : 18 April 2024					
Method	đ	Based on Operations Manual for the 5-poir manufactured by Tisch TE-5025 A	nt calibrati	on using st	andard ca	alibration ki	t	
Results	3	Flow recorder reading (cfm) Qstd (Actual flow rate, m ³ /min)	54 1.66	50 1.53	43 1.35	36 1.11	28 0.81	
		Pressure : 761.39 mm Hg		Temp. :	296	ĸ	0	

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



Qstd (m3/min)

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 (Assistant Supervisor)

Checked by LAU, Chi Leung

(Environmental Team Leader)



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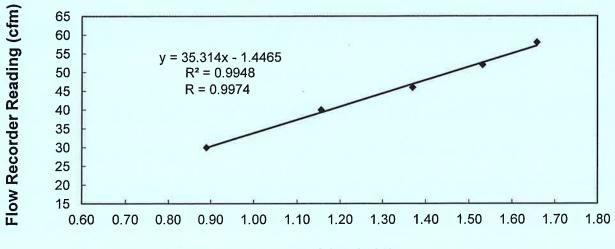
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TEST REPORT

Calibration Report

	282	ounsidien								
		of								
High Volume Air Sampler										
Manufacturer	:	Graseby GMW	Date of Calib	ration	(.	<u>18 Ar</u>	oril 2024			
Serial No.		<u>1180 (ET / EA / 003 / 04)</u> Calibration Due Date : <u>17 June 2024</u>								
Method		Based on Operations Manual for the 5-p manufactured by Tisch TE-5025 A	ooint calibratio	on using sta	and	ard ca	libration kit			
Results	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 H	łg	Temp. :		300	к			





Qstd (m3/min)

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 (Assistant Supervisor) (Environmental Team Leader)



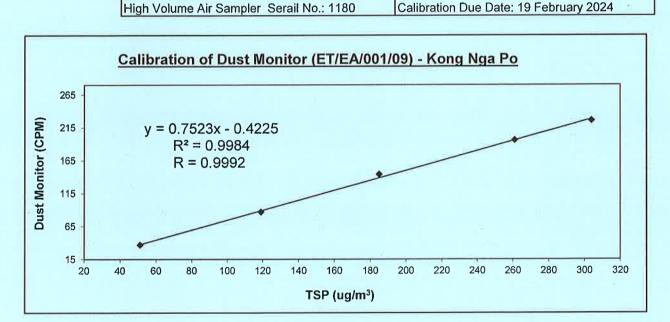
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TEST REPORT

Internal Calibration Report of **Dust Monitor**

Manufacture r	:	SIBATA (LD-3B) Date of	f Calibrati	on :	26 January 2024			
Serial No.	ţī,	155331 (ET/EA/001/09) Calibra	Calibration Due Date : 25 April 2024					
Method	:	Parallel measurement (Five-point calibration) by p and High Volume Air Samper together under the s	-					
Results	1	Dust Monitor (CPM)	37	87	144	196	226	
		TSP (ug/m ³)	51	119	185	261	304	



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

(Technician)

Checked by

LAU, Chi Leung (Environmental Team Leader)

Calibration Due Date: 19 February 2024



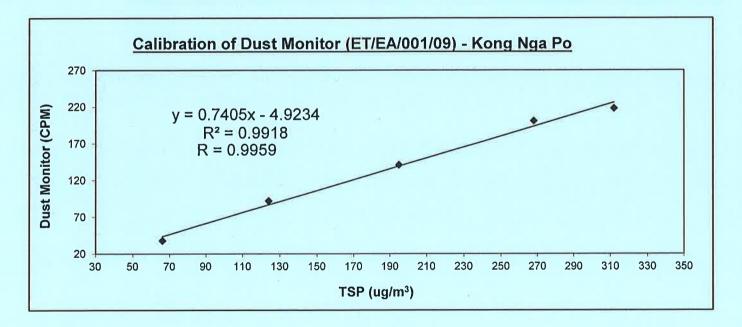
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TEST REPORT

Internal Calibration Report of Dust Monitor

Manufacturer	:	SIBATA (LD-3B) Date c	of Calibrati	on :	25 March	2024				
Serial No.	: 155331 (ET/EA/001/09) Calibration Due Date :					24 May 2024				
Method	12	Parallel measurement (Five-point calibration) by pl and High Volume Air Samper together under the s								
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	Calibratic	n Due Da	te: 18 Apr	il 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	Checked by :
	CHENG, Hei Man	LAU, Chi Leung
	(Technician)	(Environmental Team Leader)
		- END OF REPORT -

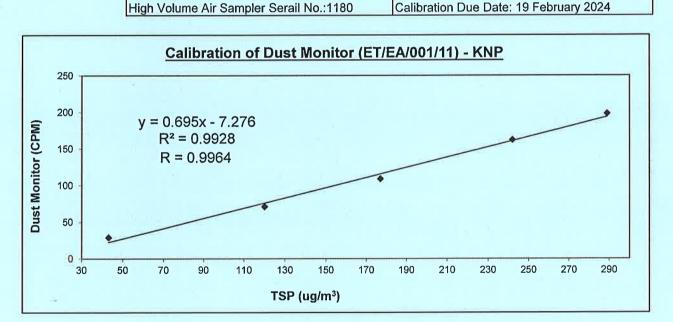


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TEST REPORT

		Internal Calibration R	eport					
of Dust Monitor								
		Dust Monitor						
Manufacturer	:	SIBATA (LD-3B) Date of Calib	oration :		26 Janua	ry 2024		
Serial No.	Dust Monitor nufacturer : SIBATA (LD-3B) Date of Calibration : 26 January 2024 al No. : 255863 (ET/EA/001/11) Calibration Due Date : 25 April 2024 hod : Parallel measurement (Five-point calibration) by placing the Dust Monitor and High Volume Air Samper together under the same environmental condition							
Method	÷					n		
Results	8	Dust Monitor (CPM)	29	71	109	162	198	
		TSP (ug/m ³)	43	120	177	242	289	
			and the second se					



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 :

Checked by LAU, Chi Leung

Calibration Due Date: 19 February 2024

CHENG, Hei Man (Technician)

- END OF REPORT -

(Environmental Team Leader)



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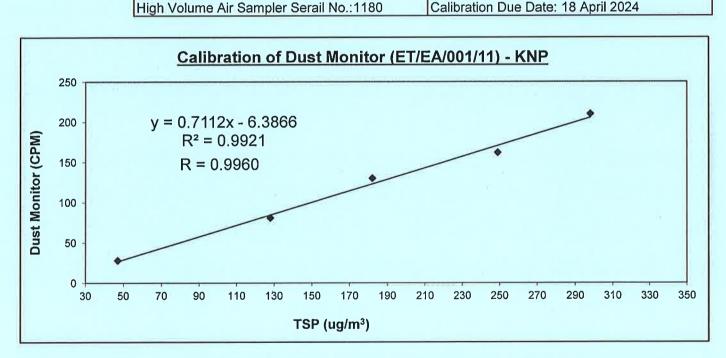
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TEST REPORT

Internal Calibration Report

of Dust Monitor

Manufacturer	:	SIBATA (LD-3B) Date of Calib	Date of Calibration :			25 March 2024			
Serial No.	1	255863 (ET/EA/001/11) Calibration D	Calibration Due Date :						
Method		Parallel measurement (Five-point calibration) by and High Volume Air Samper together under the				n			
Results	3	Dust Monitor (CPM)	28	81	130	162	210		
		TSP (ug/m ³)	47	128	182	249	298		



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)

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 April-2024

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr
			1-hr TSP x3 (AM1, AM2) NM (NM9 to NM14)			
7-Apr	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr
	<u>с л</u> и	1-hr TSP x3 (AM1, AM2) NM (NM9 to NM14)	то _{Ар} г		12 / 14	то <i>тр</i> і
14-Apr	15-Apr	16-Apr	17-Apr	18-Apr	19-Apr	20-Apr
	1-hr TSP x3 (AM1, AM2) NM (NM9 to NM14)				1-hr TSP x3 (AM1, AM2)	
21-Apr	22-Apr	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr
				1-hr TSP x3 (AM1, AM2) NM (NM9 to NM14)		
28-Apr	29-Apr	30-Apr	1-May	2-May	3-May	4-May
		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 May-2024

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28-Apr	29-Apr	30-Apr	1-May	2-May	3-May	4-May
20 r.pr		1-hr TSP x3 (AM1, AM2) NM (NM9 to NM14)				
5-May	6-May	7-May	8-May	9-May	10-May	11-May
3-Way	1-hr TSP x3 (AM1, AM2) NM (NM9 to NM14)	Way	<u>- O-May</u>		1-hr TSP x3 (AM1, AM2)	T Priviay
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)				

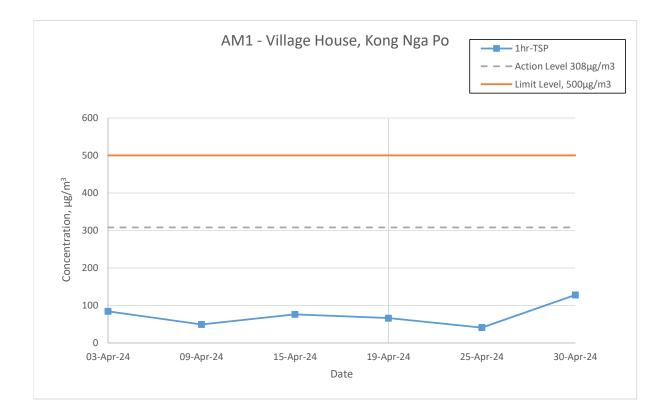
APPENDIX E AIR QUALITY MONITORING RESULTS AND GRAPHICAL PRESENTATION

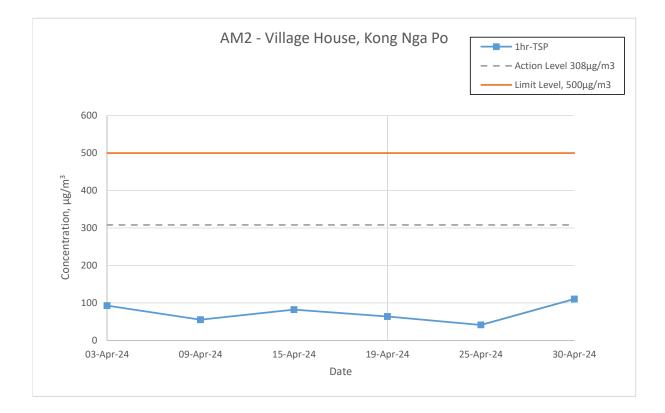
Appendix E - 1-hour TSP Monitoring Results

Date	Time	Weather	Particulate Concentration (µg/m ³
	9:30		84
03-Apr-24	10:30	Fine	84
	13:30		82
	8:51		49
09-Apr-24	9:51	Cloudy	58
	10:51		61
	13:30		76
15-Apr-24	14:30	Fine	75
	15:30		77
	8:45	Cloudy	66
19-Apr-24	9:45		69
	10:45		65
	13:30		41
25-Apr-24	14:30	Cloudy	42
	15:30		45
	13:50		128
30-Apr-24	14:50	Cloudy	131
	15:50		135
		Minimum	41
		Maximum	135
		Average	76

Date	Time	Weather	Particulate Concentration (µg/m ³)
	13:38		93
03-Apr-24	14:38	Fine	103
	15:38		100
	13:41		55
09-Apr-24	14:41	Cloudy	67
	15:41		60
	13:30		82
15-Apr-24	14:30	Fine	84
	15:30		84
	9:00	Cloudy	64
19-Apr-24	10:00		69
	11:00		74
	13:43		41
25-Apr-24	14:43	Cloudy	39
	15:43		43
	14:08		110
30-Apr-24	15:08	Cloudy	114
	16:08		119
		Minimum	39
		Maximum	119
		Average	78

1-hr TSP Concentration Levels





APPENDIX F NOISE MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix F -Noise Monitoring Results

		House, Kong Nga Wind Speed		Un	it: dB(A) (5-r	nin)	Average	Limit Level	Baseline
Date	Weather	(m/s)	Time	L _{eq}	L ₁₀	L ₉₀	L _{eq}	Linit Level	L _{eq}
				64.2	65.9	53.1			
				62.4	63.9	53.5			
			0.00	62.3	62.9	54.6	64.0	0	
03-Apr-24	Fine	0.1	9:30	59.7	62.3	52.4	61.8	75.0	55.9
				59.7	62.0	53.5			
				60.3	62.9	53.1			
		0.5		62.5	66.7	52.7			
09-Apr-24				63.0	67.1	53.5			55.9
	Claudu		9:30	60.5	64.7	52.8	C2 4	75.0	
	Cloudy			61.8	66.7	52.5	63.4	/5.0	55.9
				67.1	69.1	55.4			
				62.4	65.9	55.8			
				63.9	66.2	59.0			
				65.8	67.8	61.0			
15-Apr-24	Fine	0.6	14:18	64.9	67.5	61.0	64.9	75.0	55.9
15-Apr-24	Fille			65.8	68.1	61.3		75.0	55.5
				64.9	67.2	60.6			
				63.6	65.5	60.0			
				59.4	62.7	52.7			
				58.8	62.7	53.0			
25-Apr-24	Cloudy	0.4	14:25	59.7	62.0	52.4	59.5	75.0	55.9
25-Api-24	Cloudy	0.4	14.25	60.4	63.0	53.2	59.5	75.0	55.5
				60.0	62.2	53.1			
				58.5	62.1	52.4			
				67.8	71.9	50.2			
				67.7	72.0	50.4			
30-Apr-24	Cloudy	1.3	14.08	68.2	72.4	50.1	68.2	75.0	55.9
50-Api-24	Cloudy	1.5	14:08 -	68.7	73.1	50.5	00.2	75.0	55.9
				68.6	72.9	50.6			
				68.4	72.7	50.5			

Location NM	LO - Village	House, Kong Ng	ga Po	1					
Date	Weather	Wind Speed	Time	Uni	it: dB(A) (5-n	nin)	Average	Limit Level	Baseline
Date	weather	(m/s)	, inite	L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}	L _{eq}
				54.4	56.9	49.2			
				52.9	55.5	48.9			
03-Apr-24	Fine	0.1	9:30	52.7	55.8	47.6	55.5	75.0	52.8
05-Api-24	Fille		9.50	59.5	62.6	49.8	55.5	73.0	5210
				54.9	57.8	50.3			
				54.4	56.3	49.3			
			8:51	61.1	64.0	56.6			
09-Apr-24	Cloudy	0.3		61.7	64.4	56.0			52.8
				63.7	66.8	57.2	64.3	75.0	
	Cloudy			66.0	69.0	58.5	04.5	73.0	
				66.8	70.1	58.2			
				63.3	70.0	58.2			
		0.4		56.8	58.4	53.0			
				57.7	59.5	54.7	1		
15 0	Fine		13:45	59.4	61.6	54.1	- 58.0	75.0	52.8
15-Apr-24				59.5	61.0	53.5		75.0	52.8
				56.4	58.8	53.3			
				57.2	59.7	53.8			
				60.0	62.5	56.4			
				57.9	59.7	55.7	1		
25 4 24	Claudu	0.3	14:27	59.0	61.6	56.1	58.9	75.0	52.8
25-Apr-24	Cloudy	0.3	14:27	58.7	60.6	55.9	58.9	75.0	52.8
				58.5	60.7	55.5			
				58.8	60.9	55.5]		
				47.5	50.1	39.4			
				47.9	51.1	39.7	1		
20 Apr 24	Clauder	1.0	17.16	47.8	50.8	39.6	47.0	75.0	52.0
30-Apr-24	Cloudy	1.0	17:16	47.8	50.9	39.7	47.8	/5.0	52.8
				48.0	50.6	39.4	1		
				47.5	50.2	39.3	1		

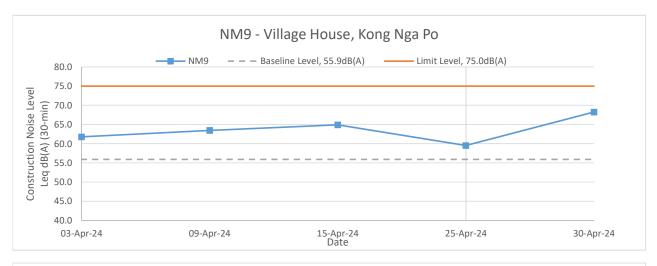
Data	Weather	Wind Speed	Time	Uni	it: dB(A) (5-r	nin)	Average	Limit Level	Baseline
Date	weather	(m/s)	Time	L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}	L _{eq}
				58.4	62.5	49.2			
				61.1	64.5	50.0			
02 4 24	F ¹ ··· ·	0.4	10.00	59.8	63.5	49.0	60.0	75.0	46.4
03-Apr-24	Fine		10:09	60.2	64.2	48.4	60.0	75.0	46.4
			-	59.7	63.6	47.8			
				60.5	64.2	47.9			
			10:06	50.2	52.4	43.0			
		0.5		48.1	50.8	43.0			46.4
09-Apr-24	Cloudy			46.7	49.6	43.0	48.6	75.0	
	Cloudy			48.0	58.8	44.2	40.0	75.0	40.4
				49.7	51.6	43.6			
				47.7	50.5	43.4			
				50.7	53.2	46.7			
		1.0		51.9	53.7	49.4			
15 Apr 24	Fine		14:53	51.8	53.5	48.8	52.1	75.0	46.4
15-Apr-24	Fille			52.4	54.4	49.3	52.1	75.0	40.4
				52.3	54.2	49.8			
				53.1	55.3	49.7			
				53.3	57.0	46.3			
				54.7	58.2	46.1			
25-Apr-24	Cloudy	0.8	15:07	56.7	60.4	47.6	55.6	75.0	46.4
25-Api-24	Cloudy	0.8	15.07	56.0	61.4	48.0	55.0	73.0	40.4
				54.5	58.3	46.4			
				57.2	61.7	48.2			
				65.0	67.6	48.9			
				64.7	68.2	49.0			
30-Apr-24	Cloudy	1.5	14:45	64.4	68.4	48.8	64.5	75.0	46.4
50-Api-24	Cloudy	1.5	14.43	64.5	68.0	48.4	04.5	73.0	46.4
				64.1	68.4	48.5			
				64.2	68.1	48.7			

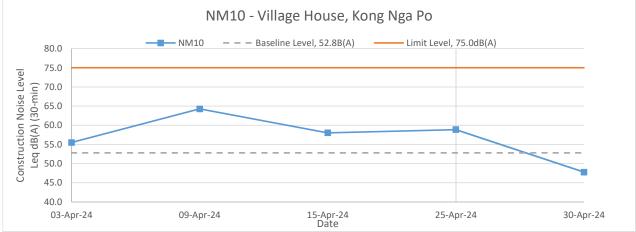
Date	Weather	Wind Speed	Time	Uni	it: dB(A) (5-r	nin)	Average	Limit Level	Baseline
Date	weather	(m/s)	Time	L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}	L _{eq}
				45.4	48.2	38.3			
				40.8	42.7	36.6			
02 4 24	E		12.20	41.1	43.4	37.3	46.5	75.0	54.7
03-Apr-24	Fine	0.1	13:38	43.7	46.7	37.3	46.5	/5.0	54.7
				48.7	49.5	37.7			
				50.5	53.2	38.0			
			13:41	52.9	55.8	45.3			
				48.4	52.0	42.8	7		54.7
09-Apr-24	Clauder	0.2		48.6	52.1	42.9	40.0	75.0	
	Cloudy	0.2		44.8	46.8	42.1	49.9	/5.0	54.7
				49.5	53.6	42.5			
				51.2	55.0	42.2			
		0.2		50.4	52.3	47.3			
			13:30	51.1	53.2	47.8			
15 4	Fine			51.4	53.5	48.0	50.8	75.0	54.7
15-Apr-24				51.7	53.8	48.5		73.0	54.7
				49.6	51.8	46.9			
				49.9	52.1	47.4			
				50.4	52.2	44.2			
				52.9	53.6	44.6			
25 4	Claudu	0.5	12.42	50.7	52.5	44.1	F1 7	75.0	54.7
25-Apr-24	Cloudy	0.5	13:43	50.8	52.5	44.0	51.7	/5.0	54.7
				50.5	52.4	44.2			
				53.7	55.4	45.1	1		
				51.3	56.4	44.9			
				51.4	56.8	45.0			
20 Apr 24	Clauder	0.0	15.25	51.7	57.1	44.8		75.0	54.7
30-Apr-24	Cloudy	0.9	15:25	51.6	56.7	44.5	51.5	75.0	
				51.5	56.9	44.5	1		
				51.2	56.5	44.3	1		

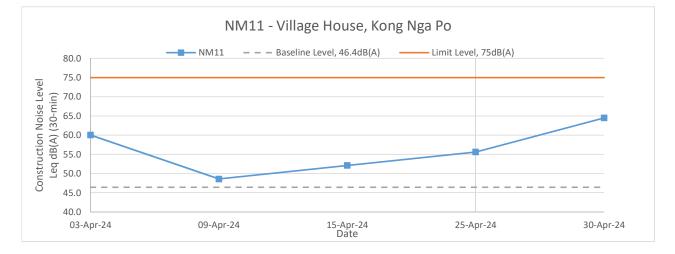
Date	Weather	Wind Speed (m/s)	Time	Uni	it: dB(A) (5-r	nin)	Average	Limit Level	Baseline
				L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}	L _{eq}
				52.7	55.4	49.0			
				69.2	70.8	54.7			
03-Apr-24	Fine	0.3	10:51	59.5	60.3	51.7	63.9	75.0	61.3
05-Api-24	Fille		10.51	66.7	68.7	49.5	03.9	75.0	01.5
				56.3	58.8	48.6			
				54.6	56.5	51.2			
		0.5	10:46	62.3	64.8	45.2			61.3
				50.2	51.3	45.5			
09-Apr-24 (Cloudy			50.9	53.5	47.3	56.7	75.0	
	Cloudy	0.5		52.2	55.2	46.8	50.7	75.0	01.5
				57.3	61.9	47.3			
				52.3	54.6	45.9			
		0.2	15:10	58.2	59.7	55.1			
				58.4	59.9	55.4			
15-Apr-24	Fine			56.8	58.7	54.1	57.4	75.0	61.3
15-Apr-24	Fille			56.4	58.3	53.8		75.0	
				57.0	58.7	54.4			
				57.2	58.9	54.7			
				56.2	58.3	51.6			
				55.3	56.6	50.7			
25-Apr-24	Cloudy	1.5	15:49	54.6	55.7	50.1	58.5	75.0	61.3
23-Api-24	Cloudy	1.5	15.49	62.8	64.3	51.6	56.5	75.0	01.5
				58.8	61.4	51.4			
				57.6	60.1	52.2			
				65.9	69.1	61.5			
				66.1	70.2	61.7			
30-Apr-24	Cloudy	1.2	16.02	66.0	70.2	61.4	66.1	75.0	61.2
50-Apr-24	Cloudy	1.2	16:03 -	66.3	70.3	61.4	00.1	75.0	61.3
				66.3	70.4	61.8]		
				66.0	70.3	62.0	1		

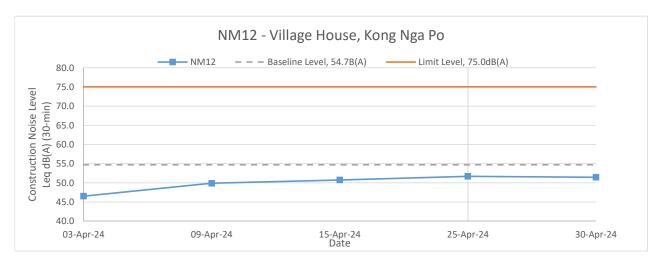
		House, near Ma						1	Desell
Date	Weather	Wind Speed	Time	Un	it: dB(A) (5-r	1	Average	Limit Level	Baseline
		(m/s)		L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}	L _{eq}
				57.6	59.6	53.5			
				58.4	61.2	53.4			
03-Apr-24	Fine	0.1	13:30	56.7	58.8	53.1	57.9	75.0	59.6
03-Api-24	Time		15.50	57.6	60.5	53.0	57.5	75.0	55.0
				57.3	59.5	53.6			
				59.2	62.2	54.8			
		0.2		50.0	52.9	46.0			
				50.9	54.0	46.6			59.6
09-Apr-24	Cloudy		13:30	52.0	54.3	47.5	52.2	75.0	
	Cloudy			52.2	54.5	48.3	52.2	75.0	
				53.7	57.0	48.2			
				53.2	55.9	48.5	1		
				47.4	49.2	44.7			
		0.2		48.0	49.7	45.0	1		
15 4	Fine		15:10	48.2	49.9	45.4	48.1	75.0	59.6
15-Apr-24	Fine			48.8	50.4	45.9		73.0	59.0
				48.1	49.9	45.2			
				47.7	49.5	45.0			
				56.5	58.1	54.1			
				56.6	58.3	54.1	1		
25 4	Clauder	4.2	45.45	56.1	58.0	54.0		75.0	50.0
25-Apr-24	Cloudy	1.2	15:15	56.9	59.1	54.5	56.8	75.0	59.6
				56.3	58.5	54.3	1		
				58.2	60.0	55.1			
				47.0	49.1	45.6			
				47.1	49.4	45.7	1		
20 4			10.20	46.9	51.2	46.1		75.0	50.0
30-Apr-24	Cloudy	1.4	16:38	47.3	50.5	45.9	47.1	75.0	59.6
				47.2	54.2	46.5	1		
				47.0	53.7	46.3	1		

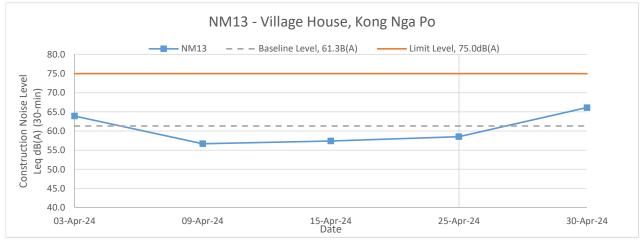
Noise Levels

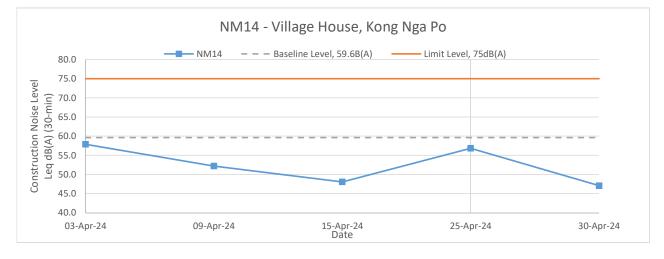












APPENDIX G WEATHER CONDITION

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

		Air	Temperat	ure	Mean	Mean	Mean	
Date	Mean Pressure		r	1	Dew Point	Relative Humidity	Amount of Cloud	Total Rainfall
April	(hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Temperature (deg. C)	(%)	(%)	(mm)
1	1010	29.1	27.3	26.3	23.8	81	88	Trace
2	1009.3	28.9	27	25.9	23.1	80	87	-
3	1010.1	28.9	27.3	26.1	23.5	80	86	Trace
4	1010.5	28.5	27.2	26.5	23.7	81	82	Trace
5	1011.9	29.3	26.5	24.7	22.9	81	84	0.3
6	1012.1	25.4	24.4	23.4	22.4	89	88	2.7
7	1010.6	28.3	25.4	23.7	23.1	88	87	0.9
8	1012.3	28.8	25.1	23	22.6	87	88	-
9	1015.8	24.3	22.9	21.7	18.9	78	88	Trace
10	1017.2	26.8	23.7	21.9	17.3	68	75	-
11	1016.1	27.7	24.5	22.8	20.2	77	52	-
12	1013.5	30.2	25.8	23.1	21.5	78	31	-
13	1011.4	31.9	26.9	24.3	22.3	77	46	-
14	1012	31.4	27.7	25.7	23.3	78	84	-
15	1013	30.3	27.7	26.2	23.6	79	85	-
16	1011.1	31.4	27.9	25.2	23.3	77	75	-
17	1009.9	30.9	28.4	27	24.1	78	75	-
18	1008.9	29.5	26.9	24.1	23.1	80	85	8.6
19	1008.2	29.9	27.6	26.1	23.9	80	88	2.2
20	1008	29.5	27.4	23.3	23.9	81	88	42.2
21	1009.3	27.2	23.9	21.5	22.1	90	90	81.6
22	1008.8	26.9	25.2	23.3	23.4	90	87	13.2
23	1008	27.2	25.4	24.6	23.8	91	91	40
24	1008.9	27.8	25.9	24.8	23.8	88	85	Trace
25	1007.1	28.5	26.6	24.4	23.9	86	84	5.7
26	1004.3	29	27.3	24.4	25.1	88	90	25
27	1005.1	30.2	28.8	27.7	25.9	85	88	0.8
28	1008.9	28.3	25.4	23.4	23.7	90	88	12.2
29	1008.5	29.9	27.7	25.3	25	85	88	-
30	1005	30.5	28.6	23.1	24.9	81	86	21.7
Mean/Total	1010.2	28.9	26.4	24.5	23.1	82	81	257.1
Normal*	1013	25.6	23	21.1	19.7	83	77	153

* 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 (April 2024)

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

Monitoring and Maintenance Works Report

INSPECTION DATE: 27 APRIL 2024 REPORT DATE: 30 APRIL 2024

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

Version: 00

Template of Post-transplantation Monitoring Checklist Design and Construction of Kong Nga Po Police Training Facilities

						Audit F	Ref. No	
Contra	actSS K509							
Inspect	ted By Lau Siu Ye	ung (Andy)	Inspection Dat Time Period	e –		<u>/2024</u> to 13:	00	
			Thile Feriou	-	09.00	10 13.	00	
Part A	Weather					— ——		
Condit Tempe		Fine Overcast Drizzle	Rair		Storm	Hazy		
Humid			Low	(RH<50%)			
Wind	Calm	Light Breeze Strong	A or not observed	Yes	No	Follow-up	N/C	Remarks
Part B		10	it of not observed	res	110	ronow up	nu e	
1.	<u>Cvcadfern <i>Brainea insignis</i></u>					_	_	
1.1	Are the plants' health conditions							
1.2	Are the temporary protective fen	ce properly erected and maintained?						
1.4	Are the plant protection zone set							
1.5		kept free from weeds/unwanted plants?						
1.6	Is compaction of the soil avoided	I for the plants?						
1.7	Are litter/ unwanted material ren	noved within the planting area?						
1.8	Are equipment or stockpile place	ed outside the protection zone?						
1.9	Are soil, debris or construction n trunk of a plant as this causes bar	naterials deposited around and against the k damage avoided?						
1.10	Are fixings driven into plants ave	bided?						
1.11	Are the plants used for anchoring signs avoided?	g or winching purposes or for the display o	of					
1.12	Are the fire lit below the branche near the plants avoided?	es and petrol, oil or caustic substances stor	ed					
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 avoide	d?						
1.15b	If not, were broken off or rotting	of roots avoided?						
2.	Ladies Tresses Spiranthes siner		A or not observed	Yes	No	Follow-up	N/C	Remarks
2.1	Are the plants' health conditions	satisfactory?						
2.2	Are transplanted plants on site p	rotected carefully?						
2.3	Are the temporary protective fen	ce 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?		I 🗹				
2.6	Is compaction of the soil avoided	l for the plants?		I A				
2.7	Are litter/ unwanted material ren	noved within the planting area?						

Template of Post-transplantation Monitoring Checklist Design and Construction of Kong Nga Po Police Training Facilities

		N/A or not observed	Yes	No	Follow-up	N/C	Remarks
2.8	Are equipment or stockpile placed outside the protection zone?		\checkmark				
2.9	Are soil, debris or construction materials deposited around and against trunk of a plant as this causes bark damage avoided?	the	\checkmark				
2.10	Are fixings driven into plants avoided?		\checkmark				
2.11	Are the plants used for anchoring or winching purposes or for the disp signs avoided?	ay of	\checkmark				
2.12	Are the fire lit below the branches and petrol, oil or caustic substances near the plants avoided?	stored	\checkmark				
2.13	Are all plants kept free from pest, disease or fungal infection?		\checkmark				
2.14	Are there enough area for growth and development of plant roots?		\checkmark				
2.15a	Is exposure of plant roots avoided?		\checkmark				
2.15b	If not, were broken off or rotting of roots avoided?		\checkmark				
$\overline{\ }$	Incense Trees Aquilaria sinesis	N/A or not observed	Yes	No	Follow-up	N/C	Remarks
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 trunk of a tree as this causes bark damage avoided?	the					
3.10	Are fixings driven into trees avoided?						
3.11	Are the trees used for anchoring or winching purposes or for the displa signs avoided?	y of					
3.12	Are the fire lit below the branches and petrol, oil or caustic substances near the trees avoided?	stored					
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?				\square		
3.16	Are wounds/mechanical injuries avoided on tree trunk?					\bigtriangledown	
3.17	Are leaning of trees avoided?						<u> </u>
3.18	Are dead/detached branches avoided?						\rightarrow
3.19	Are decay/cavity avoided on tree trunks?						

Template of Post-transplantation Monitoring Checklist Design and Construction of Kong Nga Po Police Training Facilities

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/actified?						
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

Rainy season

Signatures:	
Contractor's Representative	
(Name: Lau Siu Yeung (Date: 27/04/2024	.))

Supervisor's Rep.

(Name: (Date:

))

Inspection Date:

27/4/2024

Tree/Plant/ Colony No.	Number of Individuals	Species Name	Form	Health (Good/Fair/Poor)	Remark
Cololly No.	01	Brainea insignis	F	F	Young leaves observed
	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	F	F	Young leaves observed
	03	0	F	F	
C-0001		Brainea insignis	F F	F F	Young leaves observed
	05	Brainea insignis			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
	01	Brainea insignis	F	F	Young leaves observed
	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	F	Р	Young leaves observed
C-0002	04	Brainea insignis	F	Р	Young leaves observed
C-0002	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
			_	_	Young leaves at base; Dry o
					caused by bushfire initially
	01	Brainea insignis	Р	Р	outside site boundary and his
					temperature on 2 Feb 2021
	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	F	F	Young leaves observed
			F F	F F	
	04	Brainea insignis			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
		Brainea insignis	Р	Р	Dry out caused by bushfire
	09				initially outside site boundar
					and high
					temperature on 2 Feb 2021
	10	Brainea insignis	F	Р	Young leaves at base
	11	Brainea insignis	F	F	Young leaves observed
	12	Brainea insignis	F	Р	Young leaves observed
C-0004		0			Stem not found
C-0004		Brainea insignis	-	-	Dry out caused by bushfire
	13				initially outside site boundar
	10				and high temperature on 2 Fe
					2021
	14	Brainea insignis	F	F	Young leaves observed
			-	_	Young leaves at base; Dry o
	15		Р	Р	caused by bushfire initially
		Brainea insignis			outside site boundary and hi
	15	0			
	15	0			
	15				temperature on 2 Feb 2021
					temperature on 2 Feb 2021 Dry out caused by bushfire
	15	Brainea insignis	Р	Р	temperature on 2 Feb 2021 Dry out caused by bushfire initially
			Р	Р	temperature on 2 Feb 2021 Dry out caused by bushfire initially outside site boundary and hig
	16	Brainea insignis			temperature on 2 Feb 2021 Dry out caused by bushfire initially outside site boundary and hig temperature on 2 Feb 2021
			P	P	temperature on 2 Feb 2021 Dry out caused by bushfire initially outside site boundary and hig temperature on 2 Feb 2021 Young leaves observed
	16	Brainea insignis Brainea insignis	Р		temperature on 2 Feb 2021 Dry out caused by bushfire initially outside site boundary and hig temperature on 2 Feb 2021 Young leaves observed Burned by bushfire initially
	16	Brainea insignis			temperature on 2 Feb 2021 Dry out caused by bushfire initially outside site boundary and hig temperature on 2 Feb 2021 Young leaves observed Burned by bushfire initially outside the site boundary on
	16	Brainea insignis Brainea insignis	Р		temperature on 2 Feb 2021 Dry out caused by bushfire initially outside site boundary and hig temperature on 2 Feb 2021 Young leaves observed Burned by bushfire initially

Inspection Date:

27/4/2024

Tree/Plant/ Colony No.	Number of Individuals	Species Name	Form (Good/Fair/Poor)	Health (Good/Fair/Poor)	Remark
5	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-0005	04	Brainea insignis	F	F	Young leaves observed
	05	Brainea insignis	F	Р	Young leaves at base
	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
G 0007	01	Brainea insignis	F	F	Young leaves observed
C-0007	02	Brainea insignis	F	Р	-
	01	Brainea insignis	F	F	Young leaves observed
	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	Р	Р	Young leaves observed
C-0008	04	Brainea insignis	F	F	Young leaves observed
	05	Brainea insignis	F	F	Young leaves observed
	06	Brainea insignis	F	Р	-
	07	Brainea insignis	F	Р	Young leaves at base
C-0009	01	Brainea insignis	F	F	Young leaves observed
	01	Brainea insignis	F	F	Young leaves observed
C-0010	02	Brainea insignis	F	F	Young leaves observed
	03	Brainea insignis	F	F	Young leaves observed
	01	Brainea insignis	Р	Р	Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	02	Brainea insignis	F	Р	-
	03	Brainea insignis	Р	Р	Young leaves at base
	04	Brainea insignis	F	F	-
~ ~ ~ ~ ~	05	Brainea insignis	F	Р	Young leaves at base
C-0011	06	Brainea insignis	F	F	Young leaves at base
	07	Brainea insignis	Р	Р	Young leaves at base
	08	Brainea insignis	F	F	Young leaves observed
	09	Brainea insignis	Р	Р	-
	10	Brainea insignis	F	F	Young leaves observed
	11	Brainea insignis	F	F	Young leaves observed
	12	Brainea insignis	Р	Р	-
	13	Brainea insignis	F	F	Young leaves observed



C0001(Patch)_01



C0001(Patch)_02



C0001(Patch)_03



C0001(Patch)_04

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





C0004(Patch)_01



C0004(Patch)_02



C0004(Patch)_03



C0004(Patch)_04



C0004(Patch)_05



C0004(Patch)_06



C0004(Patch)_07



C0004(Patch)_08



C0004(Patch)_09



C0004(Patch)_10



C0004(Patch)_11



C0004(Patch)_12



C0004(Patch)_13



C0004(Patch)_14



C0004(Patch)_15



C0004(Patch)_16



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





C-0006



C0007(Patch)_01



C0007(Patch)_02



C0008(Patch)_01



C0008(Patch)_02



C0008(Patch)_03



C0008(Patch)_04



C0008(Patch)_05



C0008(Patch)_06



C0008(Patch)_07



C-0009



C0010(Patch)_01



C0010(Patch)_02



C0010(Patch)_03



C0011(Patch)_01



C0011(Patch)_02



C0011(Patch)_03



C0011(Patch)_04



C0011(Patch)_05



C0011(Patch)_06



C0011(Patch)_07



C0011(Patch)_08



C0011(Patch)_09



C0011(Patch)_10



C0011(Patch)_11



C0011(Patch)_12



C0011(Patch)_13

Inspection Date:

27/4/2024

Tree/Plant/ Colony No.	Species Name	Species NameForm (Good/Fair/Poor)Health (Good/Fair/Poor)				
L-0001	Spiranthes sinensis	-	-	Not observed		
L-0002	Spiranthes sinensis	-	-	Not observed		
L-0003	Spiranthes sinensis	Р	Р	Leaf observed		
L-0004	Spiranthes sinensis	Р	Р	Leaf observed		
L-0005	Spiranthes sinensis	-	-	Not observed		
L-0006	Spiranthes sinensis	-	-	Not observed		
L-0007	Spiranthes sinensis	-	-	Not observed		
L-0008	Spiranthes sinensis	Р	Р	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	Р	Р	Leaf observed		
L-0015	Spiranthes sinensis	Р	Р	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	Р	Р	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	Р	Р	Leaf observed		
L-0039	Spiranthes sinensis	-	-	Not observed		
L-0040	Spiranthes sinensis	F	F	Leaf observed		
L-0041	Spiranthes sinensis	-	-	Not observed		
L-0042	Spiranthes sinensis	-	-	Not observed		





L-0002



L-0003







L-0006



L-0007





L-0009







L-0012





L-0014



L-0015





L-0018









L-0022







L-0025





L-0027





L-0029





L-0031





L-0033



L-0034





L-0036







L-0039





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

									Ve	getati		aintena			-	t (Apri	1 202	4)												
Description of Work		Date																												
Description of work	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				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	MH	MH	MH	MH	MH, R	MH, R	MH,R	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	RH, R	MH, R	MH, R	MH, R	MH, R	MH, R	MH,R	MH	RH, F				
	Publ	ic Ho	lidav		H-Ho	nt	D-Dri	izzle		R-Ra	inv	1	W-W	indv		RH-H	lioh F	Iumid	itv	MH-1	Medin	m Hu	midity	1	I H-I	Low H	umidi	tv		

Hong Da Landscaping Limited



grass cutting

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	ETL	Inspection Date	30-4-2024
Part A	Weather		
Condition	Sunny Fine Overcast Drizzle Rain Hazy		
Wind	Calm Light Breeze Strong		
Part B		N/A or Yes not observed	NO Remarks
1 C	rcadfern 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 La	dies 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.

IEC	ETL	Contractor Representative						
	Ree							
Name: Mr. Law	Name: Mr. Lee	Name: Marian Kong						
Date	Date024	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

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

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

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

 $Abbreviations: ET-Environmental \ Team, \ IEC-Independent \ Environmental \ Checker$

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

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

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

 $Abbreviations: ET-Environmental\ Team,\ IEC-Independent\ Environmental\ Checker$

EVENT		АСТ	TION	
	ЕТ	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.CheckContractor'sworking method.DiscussDiscusswithETandContractoron possibleremedialmeasures.AdviseERoneffectivenessof	Notify Contractor. Ensure remedial measures are properly implemented	Amendworkingmethodstopreventrecurrenceofnonconformity.Rectifydamageundertakeadditionalaction necessary.
Demosted	Identify source	proposed remedial measures. Check implementation of remedial measures.	Notify Contractor	Amond working
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.	Checkmonitoringreport.CheckContractor'sworkingmethod.Discuss with ET andContractor on possibleremedial measures.AdviseEReffectivenessofproposedremedialmeasures.Superviseimplementationofremedial measures.	Notify Contractor. Ensure remedial measures are properly implemented.	Amendworkingmethodstopreventrecurrenceofnonconformity.Rectifydamageandundertakeadditionalaction necessary.

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

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

APPENDIX J SUMMARY OF EXCEEDANCE

Appendix J: Exceedance Report

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

(A) Exceedance Report for Air Quality

(B) Exceedance Report for Construction Noise

Environmental Monitoring	Parameter	No. of non-project related Exceedance		No. of Exceeda the Construction this Contract	Exceedance	
		Action Level	Limit Level	Action Level	Limit Level	recorded
Noise	Leq(30 min.) dB(A)	0	0	0	0	0

APPENDIX K ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EIA	EM&A	Recommended Mitigation Measures	Objectives of the Recommended	Implementation	Location / Duration of		lementa Stages		Relevant Legislation &	Implementation Status
Ref.	Ref.		Measure & Main Concerns to address	Agent	the measure	Des	С	ο	Guidelines	
Air Qu	ality Impa	ct 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 implemented to 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		V		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 								Y
		any dusty materials from its body and wheels. 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	lementa Stages C	Relevant Legislation & Guidelines	Implementatior Status
Noise I	mpact Cor	struction 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.	V	EIAO and Noise Control Ordinance	
		 <u>only well-maintained plant to be operated on-</u> 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	EM&A	Recommended Mitigation Measures	Objectives of the Recommended	Implementation	Location / Duration of		lementa Stages		Relevant Legislation &	Implementation Status
Ref.	Ref.	, i i i i i i i i i i i i i i i i i i i	Measure & Main Concerns to address	Agent	the measure	Des	С	0	Guidelines	
Water Q	Quality Imp	pact 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 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 								Υ

		 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	v	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	EM&A	Recommended Mitigation Measures	Objectives of the Recommended	Implementation	Location / Duration of	Imp	lementa Stages		Relevant Legislation &	Implementation Status
Ref.	Ref.		Measure & Main Concerns to address	Agent	the measure	Des	С	Ο	Guidelines	
Ecologi	cal Impac	t								
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		V		EIAO-TM	Y
Landsc	ape and V	isual 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	V			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

Tree Basis							-Guidelines for Tree Risk Assessment and Management Arrangement on an Area Basis and on a Tree Basis	Y
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Note 1: Des = Design; C = Construction; O = Operation

APPENDIX L WASTE GENERATION IN THE REPORTING MONTH

Monthly Summary Waste Flow Table for <u>2024</u> (year)

Project :	Design and Construction	of Kong Nga Po Poli	ce Training Facilities
110,000.	2 congin and combination	01 110115 1 54 1 0 1 011	

Contract No.: SS K509

Project :	Design and C		on of Kong Nga Po Police Training Facilities Contract No.: SS K509									
		Actual Q	uantities of Ind	ert C&D Mate	rials Generate	d Monthly		Actu	al Quantities	of C&D Waste	es Generated N	Monthly
Month	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		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												
Jun												
Sub-total	10.426	0.000	0.000	0.000	1.437	8.990	0.000	12.069	0.225	3.109	0.000	0.683
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
Total	27.222	0.000	0.000	0.000	1.437	25.786	0.000	12.069	0.266	3.163	0.000	1.340

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.

							Waste	Weight-	Weight-	
	Date of						depth	in	out	Net
	transactio	Vehicle	Account				(meter)	(tonne)	(tonne)	weight
	n	No.	No.	Chit No.	Time-in	Time-out	廢物深	入閘重	出閘重	(tonne)
Facility	" 交易日	車牌號	NO. 帳戶編	入帳票	進入時	a 離開時	度	量	量	(tonne) 淨重量
設施	文勿口 期	碼	號	編號	間	間	_反 (米)	_重 (公噸)	重 (公噸)	/子重重 (公噸)
NENT		YN1*02	》近 7046289	26790035		10:10	1.22	23.28	(<u>四·限)</u> 20.08	(四·顷) 3.2
NENT	02/04/24		7046289	26790036		12:09	0.61	20.95	20.05	0.9
NENT	02/04/24		7046289	26790037		15:54	0.77	22.39	20.21	2.18
NENT	02/04/24		7046289	26790038		17:44	0.84	24.27	20.19	4.08
NENT	03/04/24		7046289	26790039		15:05	0.92	25.83	20.07	5.76
NENT	03/04/24		7046289	26790040		16:25	0.88	22.72	20.05	2.67
NENT	03/04/24		7046289	26790041		17:55	1.11	22.95	20.22	2.73
NENT	05/04/24		7046289	26790042		12:33	0.88	25.71	20.2	5.51
NENT	06/04/24		7046289	26790043		15:45	0.55	25.94	20.05	5.89
NENT	06/04/24		7046289	26790047		17:16	0.48	26.11	20.24	5.87
NENT	06/04/24		7046289	26790045		17:31	0.97	20.92	18.28	2.64
NENT	08/04/24		7046289	26790048		14:40	1.25	22.73	20.09	2.64
NENT	08/04/24		7046289	26790049		16:07	1.08	23.72	20.08	3.64
NENT	09/04/24		7046289	26790063		10:19	0.96	22.53	20.2	2.33
NENT	10/04/24		7046289	28370167		10:20	0.86	25.94	20.06	5.88
NENT	10/04/24		7046289	28370187		14:26	0.74	22.39	20.04	2.35
NENT	11/04/24		7046289	28370185		10:11	0.68	26.13	20.15	5.98
NENT	11/04/24		7046289	28370186		15:20	1.05	22.97	20.08	2.89
NENT	12/04/24		7046289	28370204		10:50	0.89	22.9	19.98	2.92
NENT	12/04/24		7046289	28370205		13:28	0.77	24.43	20.18	4.25
NENT	13/04/24		7046289	28370206	13:19	13:41	0.91	23.13	20.03	3.1
NENT	15/04/24	HF7*82	7046289	28370248	14:29	14:52	0.97	17.6	15.93	1.67
NENT	15/04/24	HF7*82	7046289	28370249	15:57	16:16	1.06	19.76	15.91	3.85
NENT	16/04/24	RD2*11	7046289	28370222	16:18	16:42	1.06	17.27	15.93	1.34
NENT	16/04/24	ZA9*45	7046289	27900575	16:19	16:43	1.09	17.75	15.87	1.88
NENT	17/04/24	YN1*02	7046289	28370207	11:37	12:03	1.06	22.82	20.19	2.63
NENT	18/04/24	YN8*99	7046289	28370250	13:08	13:44	1.13	16.92	15.57	1.35
NENT	18/04/24	YN8*99	7046289	28370251	16:40	17:06	0.63	20.7	15.58	5.12
NENT	19/04/24	ZA9*45	7046289	27900580	10:09	10:36	0.94	18.2	16.12	2.08
NENT	19/04/24	RD2*11	7046289	28370228	15:14	15:38	1.15	18.92	15.93	2.99
NENT	22/04/24	RD2*11	7046289	28370245	10:01	10:27	0.97	17.16	15.87	1.29
NENT	23/04/24	YN1*02	7046289	28370292	10:15	10:42	0.84	22.73	20.08	2.65
NENT	24/04/24	YN1*02	7046289	28370252	10:03	10:29	1.11	24.64	20.14	4.5
NENT	24/04/24	YN1*02	7046289	28370253	12:19	12:45	0.89	26.25	20.11	6.14
NENT	25/04/24		7046289	28370229		11:00	0.69	16.89	16.02	0.87
NENT	26/04/24		7046289	27900602		08:47	0.95	18.67	16.24	2.43
NENT	26/04/24		7046289	27900603		10:47	0.88	19.33	15.99	3.34
NENT	27/04/24		7046289	28370299		17:24	0.89	22.91	20.19	2.72
NENT	29/04/24		7046289	28370254		13:19	0.96	23.4	20.09	3.31
NENT	30/04/24		7046289	28370255		16:57	1.2	25.35	20.13	5.22
	03/04/24		7046289	27900496		09:59	0	37.62	16.34	21.28
	03/04/24		7046289	27900497		11:58	0	37.92	16.31	21.61
	05/04/24		7046289	27900573		09:03	0	37.3	16.15	21.15
	05/04/24		7046289	27900498		10:51	0	37.59	16.12	21.47
	05/04/24		7046289	27900499		13:28	0	37.37	16.11	21.26
	05/04/24		7046289	27900500		14:10	0	36.4	15.73	20.67
	05/04/24		7046289	27900501		16:26	0	36.35	15.71	20.64
TM38FB	06/04/24	XG1*48	7046289	27900502	08:53	08:59	0	37.47	16.22	21.25

ТМ20 ED	06/04/24	VC1*/0	7046289	27900504	11,47	11:49	0	37.44	16.19	21.25
	06/04/24		7046289	27900504		11:49	0	36.81	15.83	20.98
	06/04/24		7046289	27900505		15:43	0	37.65	16.21	20.90
	08/04/24		7046289	27900507		09:06	0	37.58	15.86	21.72
	08/04/24		7046289	27900508		09:00	0	37.22	16.17	21.05
	08/04/24		7046289	27900509		09:26	0	37.54	15.79	21.75
	08/04/24		7046289	27900510		09:36	0	28.36	14.29	14.07
	08/04/24		7046289	27900511		09:30	0	30.09	14.7	15.39
	08/04/24		7046289	27900506		09:12	0	38.21	16.22	21.99
	08/04/24		7046289	27900512		11:57	0	28.54	14.26	14.28
	08/04/24		7046289	27900513		12:05	0	29.38	14.64	14.74
	08/04/24		7046289	27900514		12:37	0	37.44	15.82	21.62
	08/04/24		7046289	27900515		12:51	0	37.24	15.74	21.5
	08/04/24		7046289	27900516		12:59	0	36.81	16.12	20.69
	08/04/24		7046289	27900517		14:13	0	29.8	14.52	15.28
	08/04/24		7046289	27900518		14:51	0	28.7	14.24	14.46
	08/04/24		7046289	27900519		15:39	0	36.83	15.85	20.98
	08/04/24		7046289	27900521		16:13	0	37.09	15.81	21.28
	08/04/24		7046289	27900520		16:16	0	28.93	14.39	14.54
	09/04/24		7046289	26790050		09:26	0	37.53	15.85	21.68
TM38FB	09/04/24	MB1*09	7046289	26790051	09:22	09:30	0	37.48	16.18	21.3
TM38FB	09/04/24	XW7*3	7046289	26790053	09:23	09:31	0	37.31	16.64	20.67
TM38FB	09/04/24	LJ3*0	7046289	26790052	09:25	09:32	0	36.91	16.04	20.87
TM38FB	09/04/24	JA8*30	7046289	26790054	09:36	09:43	0	28.66	14.5	14.16
TM38FB	09/04/24	VX4*45	7046289	26790055	09:43	09:50	0	29	14.48	14.52
TM38FB	09/04/24	YA8*35	7046289	26790056	09:48	09:54	0	37.62	15.82	21.8
TM38FB	09/04/24	XB1*9	7046289	26790057	09:53	10:04	0	37.7	16.13	21.57
TM38FB	09/04/24	PB1*13	7046289	26790058	10:58	11:06	0	37.57	15.82	21.75
TM38FB	09/04/24	MB1*09	7046289	26790059	11:01	11:07	0	36.75	16.12	20.63
TM38FB	09/04/24	XW7*3	7046289	26790060	11:01	11:09	0	37.32	16.64	20.68
	09/04/24		7046289	26790061		11:10	0	36.99	16.03	20.96
	09/04/24		7046289	26790062		11:24	0	28.34	14.77	13.57
TM38FB				28370129		11:33	0	37.25	15.79	21.46
	09/04/24			28370128		11:38	0	29.51	14.62	14.89
	09/04/24		7046289	28370130		11:47	0	37.51	16.1	21.41
	09/04/24		7046289	28370131		12:44	0	37.39	15.82	21.57
	09/04/24		7046289	28370132		13:15	0	37.63	16.63	21
	09/04/24		7046289	28370134		13:17	0	37.28	16	21.28
	09/04/24		7046289	28370133		13:17	0	36.62	16.15	20.47
	09/04/24		7046289	28370135		13:31	0	27.99	14.66	13.33
	09/04/24		7046289	28370137		13:46	0	37.12	15.8	21.32
	09/04/24		7046289	28370136		13:57	0	37.48	15.89	21.59
	09/04/24		7046289	28370138		13:53	0	28.68	14.57	14.11
	09/04/24		7046289	28370139		14:17	0 0	37.5	15.83	21.67
-	09/04/24 09/04/24		7046289	28370141 28370140		14:47	0	37.25	16.08	21.17
-	09/04/24		7046289 7046289	28370140 28370142		14:59 14:50	0	37.14 37.12	15.89 16.57	21.25 20.55
	09/04/24		7046289	28370142 28370143		14:50	0	37.12 28.77	16.57	20.55 14.12
	09/04/24		7046289	28370143		15:21	0	37.4	15.76	21.64
-	09/04/24		7046289	28370144		15:31	0	29.49	14.43	15.06
-	09/04/24		7046289	28370145		16:06	0	37.44	16.27	21.17
	09/04/24		7046289	28370140		16:24	0	37.44	16.05	21.17
	09/04/24		7046289	28370147		16:31	0	37.04	16.55	20.49
	09/04/24		7046289	28370149		16:41	0	36.81	15.87	20.94
11130-10	5707/27	550	1010209	20210140	10.33	10.11	Ч	50.01	13.07	20.71

	09/04/24	140*20	7046289	28370150	16.50	16:57	0	28.17	14.64	13.53
-	09/04/24		7046289	28370150		10.37	0	37.3	15.72	21.58
	09/04/24		7046289	28370152	-	17:24	0	29.13	14.42	14.71
	09/04/24		7046289	28370151		17:27	0	37.49	15.8	21.69
	09/04/24		7046289	28370155	-	18:23	0	36.87	16.37	20.5
	09/04/24		7046289	28370155		18:33	0	37.29	15.98	20.3
	10/04/24		7046289	27900522		09:18	0	37.56	15.84	21.72
				27900522			0			20.63
	10/04/24		7046289	27900523		09:24 09:25	0	36.36 37.22	15.73 15.97	20.83
	10/04/24		7046289	27900524		09.25	0		14.24	
	10/04/24 10/04/24		7046289	28370156		09:30	0	28.89 36.46	14.24	14.65 20.62
			7046289	28370157		09:32	0		16.64	20.82
	10/04/24		7046289				0	37.08	15.87	
	10/04/24		7046289	28370160		10:01	0	36.97		21.1
	10/04/24		7046289	28370159		10:02	0	29.55	14.57	14.98
	10/04/24		7046289	28370161		11:22		29.79	14.21	15.58
	10/04/24		7046289	28370162		11:50	0	37.58	15.81	21.77
	10/04/24		7046289	28370163		12:05	0	37.49	15.8	21.69
	10/04/24		7046289	28370164		12:21	0	37.61	15.93	21.68
	10/04/24		7046289	27900525		12:46	0	36.81	15.8	21.01
	10/04/24		7046289	27900526		12:41	0	36.69	15.69	21
	10/04/24		7046289	27900527		13:45	0	29.04	14.2	14.84
	10/04/24		7046289	28370165		13:55	0	29.03	14.5	14.53
	10/04/24		7046289	27900528		13:59	0	36.74	15.83	20.91
	10/04/24		7046289	28370168		14:10	0	37.54	15.78	21.76
	10/04/24		7046289	28370169		14:29	0	36.63	15.65	20.98
	10/04/24		7046289	27900609		14:33	0	37.04	15.77	21.27
	10/04/24		7046289	28370166		14:38	0	37.22	15.92	21.3
	10/04/24		7046289	28370170		15:57	0	28.75	14.16	14.59
	10/04/24		7046289	28370171		16:12	0	29.16	14.52	14.64
	10/04/24		7046289	28370172		16:22	0	37.48	15.81	21.67
	10/04/24		7046289	28370173		16:28	0	37.46	15.73	21.73
	10/04/24			28370174		16:36	0	36.92	15.74	21.18
	10/04/24			28370175		16:39		37.32	15.89	21.43
	10/04/24			28370176		16:46	0	36.64	15.63	21.01
	10/04/24			28370177		16:52	0	29.46	13.93	15.53
	11/04/24			28370178		09:24	0	37.4	15.83	21.57
	11/04/24			28370180		09:39	0	37.28	15.82	21.46
	11/04/24			28370179		09:53	0	37.71	16.22	21.49
	11/04/24			28370184		09:55	0	29.2	14.25	14.95
	11/04/24			28370183		09:57	0	28.85	13.92	14.93
	11/04/24		7046289	28370188		10:01	0	37.51	15.82	21.69
	11/04/24		7046289	28370181		11:00	0	35.97	15.86	20.11
	11/04/24		7046289	28370182		11:00	0	37.68	15.81	21.87
	11/04/24		7046289	28370189		11:12	0	37.18	15.82	21.36
	11/04/24			28370190		11:37	0	37.69	15.8	21.89
	11/04/24		7046289	28370191		11:46	0	28.64	14.13	14.51
	11/04/24		7046289	28370192		11:47	0	28.95	13.89	15.06
	11/04/24			28370194		12:38	0	37.57	16.1	21.47
	11/04/24		7046289	28370193		12:45	0	37.52	15.78	21.74
-	11/04/24		7046289	28370195		13:27	0	37.74	15.76	21.98
	11/04/24		7046289	28370196		14:06	0	28.82	14.1	14.72
	11/04/24		7046289	28370198		14:15	0	29.11	13.87	15.24
	11/04/24		7046289	28370199		14:37	0	37.86	15.83	22.03
TM38FB	11/04/24	MB1*09	7046289	28370197	14:38	14:45	0	37.29	16.05	21.24

TM38FB	11/04/24	CI 4*82	7046289	28370200	14.44	14:55	0	36.83	15.74	21.09
	11/04/24	1	7046289	28370200		15:01	0	37.48	15.75	21.03
	11/04/24		7046289	28370203		15:51	0	28.74	13.86	14.88
	11/04/24		7046289	28370202		15:57	0	29	14.1	14.9
	11/04/24		7046289	27900610		16:51	0	37.2	15.81	21.39
	11/04/24		7046289	27900612		17:29	0	36.28	15.72	20.56
	11/04/24		7046289	27900614		17:41	0	36.33	15.59	20.74
	11/04/24		7046289	27900613		17:41	0	29.27	13.78	15.49
	11/04/24		7046289	27900611		18:14	0	37.5	15.7	21.8
	12/04/24		7046289	27900615		09:05	0	37.27	15.83	21.44
	12/04/24		7046289	27900616		09:26	0	35.88	15.71	20.17
	12/04/24		7046289	28370208		10:18	0	29.59	14.86	14.73
	12/04/24		7046289	28370209		10:31	0	36.89	16.56	20.33
	12/04/24		7046289	28370210		10:54	0	36.72	17.23	19.49
	12/04/24		7046289	28370211		10:58	0	29.12	14.25	14.87
	12/04/24		7046289	27900617		10:59	0	36.5	16.59	19.91
	12/04/24		7046289	27900618		11:17	0	36.49	16.55	19.94
	12/04/24		7046289	28370212		11:34	0	29.22	14.59	14.63
	12/04/24		7046289	28370213		11:55	0	37.64	15.77	21.87
	12/04/24		7046289	28370214		12:49	0	36.2	15.67	20.53
	12/04/24	1	7046289	27900619		13:12	0	37.3	15.78	21.52
	12/04/24		7046289	27900622		13:49	0	36.88	17.32	19.56
	12/04/24		7046289	27900623		13:50	0	37.22	16.46	20.76
	12/04/24		7046289	27900621	13:53	14:01	0	28.69	13.88	14.81
	12/04/24		7046289	27900620	13:54	14:01	0	29.36	14.14	15.22
TM38FB	12/04/24	YK8*18	7046289	27900624	14:00	14:09	0	29.1	14.23	14.87
TM38FB	12/04/24	PB1*13	7046289	28370215	14:33	14:40	0	37.32	15.78	21.54
TM38FB	12/04/24	SM1*9	7046289	28370217	15:45	15:51	0	37.16	15.73	21.43
TM38FB	12/04/24	SL4*82	7046289	28370216	15:47	15:56	0	36.34	15.62	20.72
TM38FB	12/04/24	VX4*45	7046289	28370218	16:48	17:00	0	28.41	13.82	14.59
TM38FB	12/04/24	PB1*13	7046289	28370219	17:17	17:31	0	37.39	15.77	21.62
TM38FB	12/04/24	UD2*7	7046289	28370220	17:31	17:37	0	36.94	16.26	20.68
TM38FB	15/04/24	SM1*9	7046289	27900625	09:10	09:18	0	37.2	15.85	21.35
TM38FB	15/04/24	XA2*3	7046289	27900626	09:58	10:04	0	37.68	16.39	21.29
TM38FB	15/04/24	SM1*9	7046289	27900627		11:11	0	37.59	15.81	21.78
TM38FB	15/04/24	VV1*02	7046289	27900628	12:47	12:56	0	37.02	17.18	19.84
TM38FB			7046289	27900629		12:58	0	36.87	16.51	20.36
	15/04/24		7046289	27900630		13:18	0	37.29	15.78	21.51
	15/04/24		7046289	27900631		14:02	0	36.29	16.57	19.72
TM38FB			7046289	27900633		15:35	0	37.1	16.47	20.63
TM38FB			7046289	27900632		15:37	0	37.07	17.26	19.81
	16/04/24		7046289	28370221		10:00	0	37.94	15.8	22.14
	16/04/24		7046289	27900634		10:24	0	28.17	14.11	14.06
TM38FB			7046289	27900635		12:18	0	28.69	14.09	14.6
TM38FB			7046289	27900636		14:39	0	29.14	14.06	15.08
	16/04/24		7046289	27900637		17:01	0	28.23	14.03	14.2
TM38FB			7046289	27900638		18:13	0	35.9	16.43	19.47
TM38FB			7046289	27900639		09:07	0 0	28.99	14.14	14.85
TM38FB			7046289 7046289	28370223 27900640		09:53	0	37.52 28.64	15.8 14.12	21.72 14.52
TM38FB TM38FB	17/04/24		7046289	27900640		11:04 11:57	0	28.64 36.99	14.12	21.23
TM38FB TM38FB			7046289	28370224		11:57	0	28.38	14.09	21.23 14.29
TM38FB TM38FB			7046289	27900641		14:11 16:51	0	28.38	14.09	14.29 14.8
TM38FB TM38FB			7046289	27900642		09:30	0	28.80 36.89	14.06	21.09
111120LR	10/04/24	SI'IT9	7040289	21900043	09.24	09.20	U	20.02	12.0	21.09

TM38FR	18/04/24	DR1*13	7046289	27900644	00.28	09:35	0	37.39	15.8	21.59
	18/04/24		7046289	27900646		09:39	0	36.72	15.81	20.91
	18/04/24		7046289	27900645		09:41	0	36.82	15.76	21.06
	18/04/24		7046289	28370225		10:12	0	37.35	15.72	21.63
	18/04/24		7046289	27900647		11:04	0	28.53	14.14	14.39
	18/04/24		7046289	28370226		11:21	0	37.45	15.78	21.67
	18/04/24		7046289	27900648		11:22	0	37.22	15.77	21.45
	18/04/24		7046289	27900649		11:37	0	37.37	15.97	21.15
	18/04/24		7046289	28370227		12:12	0	29.93	13.92	16.01
	18/04/24		7046289	27900650		11:51	0	37.4	15.73	21.67
	18/04/24		7046289	28370232		11:55	0	37.09	15.7	21.39
	18/04/24		7046289	27900651		12:36	0	36.99	16.38	20.61
	18/04/24		7046289	27900652		12:45	0	29.72	14.04	15.68
	18/04/24		7046289	27900653		13:09	0	28.5	14.16	14.34
	18/04/24		7046289	27900654		13:30	0	37.65	15.79	21.86
	18/04/24		7046289	27900655		13:29	0	37.45	15.83	21.62
	18/04/24		7046289	27900656		13:42	0	37.52	16.05	21.47
	18/04/24		7046289	28370233		14:51	0	36.83	15.69	21.14
	18/04/24		7046289	28370234		15:04	0	37.27	16.61	20.66
	18/04/24		7046289	28370235		15:04	0	29.41	14.29	15.12
	19/04/24		7046289	27900576		09:21	0	35.79	16.14	19.65
	19/04/24		7046289	27900577		09:31	0	28.83	14.13	14.7
	19/04/24		7046289	27900578	09:42	09:49	0	29.25	14.31	14.94
	19/04/24		7046289	27900579	09:53	10:07	0	28.93	14.08	14.85
	19/04/24		7046289	27900658	09:55	10:03	0	37.31	15.83	21.48
TM38FB	19/04/24	SS8*06	7046289	27900657	10:44	10:50	0	37.25	16.51	20.74
TM38FB	19/04/24	MB1*09	7046289	27900581	11:00	11:07	0	37.25	16.1	21.15
TM38FB	19/04/24	SK2*31	7046289	27900659	11:09	11:15	0	36.53	17.33	19.2
TM38FB	19/04/24	JA8*30	7046289	27900582	11:18	11:26	0	28.56	14.06	14.5
TM38FB	19/04/24	YA8*35	7046289	27900660	11:45	11:52	0	37.39	15.8	21.59
TM38FB	19/04/24	SS8*02	7046289	27900583	11:58	12:22	0	28.7	13.96	14.74
TM38FB	19/04/24		7046289	27900661		13:11	0	37.39	16.07	21.32
TM38FB	19/04/24	SS8*06	7046289	27900584	13:04	13:12	0	36.86	16.52	20.34
TM38FB	19/04/24	JA8*30	7046289	27900662	13:26	13:33	0	28.29	14.05	14.24
TM38FB	19/04/24	SK2*31	7046289	27900664	13:57	14:03	0	37.01	17.34	19.67
TM38FB	19/04/24	YA8*35	7046289	27900663	13:59	14:06	0	37.26	15.75	21.51
	19/04/24		7046289	27900665		14:14	0	37.01	16.32	20.69
	19/04/24		7046289	27900585		14:16	0	29.26	13.92	15.34
	19/04/24		7046289	27900586		15:00	0	36.95	16.51	20.44
	19/04/24		7046289	27900666		15:29	0	28.33	14.09	14.24
	19/04/24		7046289	27900587		15:53	0	37.12	15.74	21.38
	19/04/24		7046289	27900667		15:55	0	36.59	17.31	19.28
	19/04/24		7046289	27900668		16:00	0	36.88	16.25	20.63
	19/04/24		7046289	27900669		16:19	0	37.29	16.04	21.25
	19/04/24		7046289	27900588		16:55	0	37.26	16.61	20.65
	19/04/24		7046289	27900574		17:11	0	28.29	14.12	14.17
	19/04/24		7046289	27900589		17:36	0	37.27	15.7	21.57
	20/04/24		7046289	27900590		09:06	0	36.54	17.44	19.1
	20/04/24		7046289	27900591		09:25	0	36.58	16.06	20.52
	20/04/24		7046289	27900670		09:26	0 0	29.35	14.56	14.79
	20/04/24		7046289	27900671		09:40		37.46	16.36	21.1
	20/04/24		7046289	27900592		09:44	0	28.84	14.14	14.7
	20/04/24		7046289	27900672		09:45	0	37.46	15.85	21.61
TM38FB	20/04/24	പ∖∡മ	7046289	28370236	10:32	10:39	0	37.17	15.66	21.51

	20/04/24	140*20	7046289	27900593	10.41	10:48	0	28.44	14.37	14.07
	20/04/24		7046289	27900393		10:48	0	37.06	17.32	19.74
	20/04/24		7046289	27900594		11:28	0	36.83	16.04	20.79
	20/04/24		7046289	27900594		11:28	0	36.9	15.82	20.79
	20/04/24		7046289	27900595		11:50	0	28.99	14.56	14.43
	20/04/24		7046289	27900595		11:50	0	28.89	14.08	14.81
	20/04/24		7046289	27900596		12:30	0	28.71	14.38	14.33
	20/04/24		7046289	27900596		12:30	0	36.7	17.28	14.33
	20/04/24		7046289	27900673		13:35	0	29.02	17.28	19.42
	20/04/24		7046289	27900676		14:12	0	36.93	15.81	21.12
	20/04/24		7046289	27900678		14:29	0	36.39	17.32	19.07
	20/04/24		7046289	27900597		14:40	0	28.85	14.36	14.49
	20/04/24		7046289	27900598		16:17	0	29.38	14.77	14.61
	20/04/24		7046289	27900598		16:37	0	29.38	14.23	14.5
	20/04/24		7046289	27900599		16:37	0	37.32	15.77	21.55
	20/04/24		7046289	27900680		17:23	0	37.52	15.97	21.55
	20/04/24		7046289	27900080		09:46	0	37.2	16.67	20.53
	22/04/24		7046289	27900681		09:40	0	36.89	15.84	20.55
	22/04/24		7046289	27900681		09:41	0	36.89	15.84 15.9	21.05
	22/04/24		7046289	28370239		09:43	0	37.01	17.52	20.84 19.49
	22/04/24		7046289	28370240		09:49	0	37.01	17.52	21.31
			7046289	28370241		10:12	0	37.42	16.15	21.31
	22/04/24 22/04/24		7046289	28370243		10:12	0	36.36	15.61	20.75
	22/04/24		7046289	28370242		10:25	0	37.38	15.82	20.75
	22/04/24		7046289	27900600		10:10	0	29.06	13.82	21.50 14.94
	22/04/24		7046289	27900800		10.42	0	37.22	14.12	21.42
	22/04/24		7046289	28370240		11:36	0	36.85	17.5	19.35
	22/04/24		7046289	27900682		11:43	0	36.52	15.88	20.64
	22/04/24		7046289	28370289		11:52	0	37.24	15.89	21.35
	22/04/24		7046289	28370289		11:52	0	37.24	16.15	21.33
	22/04/24		7046289	28370288		12:11	0	37.2	15.68	21.52
	22/04/24		7046289	27900601		12:39	0	28.6	14.19	14.41
	22/04/24			27900683		13:36	0	36.98	15.89	21.09
	22/01/21			27900684		14:01	0	37.5	15.8	21.05
	22/01/21		7046289	27900685		14:29	0	35.2	15.58	19.62
	22/04/24		7046289	27900686		14:35	0	37.42	16.17	21.25
	22/04/24		7046289	28370291		15:27	0	36.97	15.89	21.08
	22/01/21		7046289	27900687		15:56	0	36.19	15.78	20.41
	22/04/24		7046289	27900688		16:48	0	36.09	15.63	20.41
	22/04/24		7046289	27900689		16:47	0	37.38	16.34	21.04
	22/01/21		7046289	27900690		17:59	0	36.56	16.95	19.61
	23/04/24		7046289	27900691		09:31	0	37.34	17.2	20.14
	23/04/24		7046289	27900692		09:41	0	30.03	14.49	15.54
	23/04/24		7046289	27900693		09:46	0	29.51	13.99	15.52
	23/04/24		7046289	27900694		09:56	0	37.21	16.66	20.55
	23/04/24		7046289	27900695		09:53	0	28.92	13.75	15.17
	23/04/24		7046289	27900696		09:55	0	37.33	17	20.33
	23/04/24		7046289	27900699		10:04	0	36.91	16.02	20.89
	23/04/24		7046289	27900698		10:06	0	37.78	16.58	21.2
-	23/04/24		7046289	27900697		10:26	0	29.81	14.34	15.47
-	24/04/24		7046289	28370293		09:37	0	37.06	15.85	21.21
	24/04/24		7046289	28370295		09:48	0	37.02	16.64	20.38
	24/04/24		7046289	28370295		10:00	0	37.02	18.28	18.81
	24/04/24		7046289	27900700		10:00	0	37.82	16.57	21.25
	27/07/24	//n2 ⁻ J	1070203	21900700	09.00	10.01	V	57.02	10.37	21.2J

TM38FB	24/04/24	LJ3*0	7046289	28370294	10:05	10:12	0	37.13	16.02	21.11
TM38FB	24/04/24	JA8*30	7046289	27900701	10:14	10:24	0	29.33	14.18	15.15
TM38FB	24/04/24	XT2*38	7046289	27900702	10:39	10:50	0	36.31	15.97	20.34
TM38FB	24/04/24	YA8*35	7046289	28370297	11:18	11:26	0	37.4	15.92	21.48
TM38FB	27/04/24	SL4*82	7046289	28370298	17:01	17:10	0	35.97	15.64	20.33
TM38FB	29/04/24	GJ7*6	7046289	27900703	14:02	14:14	0	36.93	15.72	21.21

REMARKS

堆填區	NENT	新界東北堆填區				
Landfill		North East New Territories				
公眾填料接收設施	TM38FB	屯門第38區填料庫				
Public fill reception facilities		Fill Bank at Tuen Mun Area 38				

APPENDIX M COMPLAINT LOG

Appendix M - Complaint Log

Reporting month: April 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

Police Facilities in Definition in Definition Definiti					 The Contractor strictly complies with the requirements of relevant environmental ordinances and EM&A Manual. 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. 	
C003Soil/muddy water from San Uk Leng at Man Kam To Road near Designated Project of the Policebelow: 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.C0037-Apr20247-Apr2024Based on a complaint investigation conducted by the 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.C003Project of the Police Facilities in7-Apr2024Baptified 					 Please consider that the Community Liaison Hotline: 9790 2879 will be provided for the complainant to directly contact the Contractor to resolve environmental issues. Please consider encouraging the complainant to provide more accurate and detailed information to 	
Image: Construction of the constru	C003	water from Sar Uk Leng at Man Kam To Road near Designated Project of the Police Facilities in Kong Nga Po, near San Uk Leng at Man	7-Apr2024	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	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-	Closed

Cumulative Complaint Log

Complaint Log Reporting Period	Total no. of Complaint Received
This reporting month	1
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

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 N.A. Use of Electric-Powered Equipment: Electric- powered equipment is generally qui- eter than diesel powered equipment to help reduce noise pollution.			
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. Noise and Vibration: The operation of heavy machinery can contribute to noise and vibration pollution, which can disturb local wildlife or sensitive wildlife habitats.	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. 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.				
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.	 Improved Fuel Efficiency and Maintenance: Promoting fuel-efficient practices and regular maintenance of machinery can help reduce emissions. 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. 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	1. Proper Planning and Design: Incorporate soil protection	A helical pile is a type of deep foundation system
can cause soil compaction and disturbance,	measures into the initial planning and design phase of	used in construction. It consists of a steel shaft with
particularly during drilling operations or	construction projects. This includes identifying sensitive	helical plates or blades that are twisted into the
movement of equipment. This soil	areas and implementing appropriate construction	ground to provide support for structures. Helical
disturbance can disrupt the natural structure	techniques to minimize soil disturbance.	piles are commonly used in situations where
and composition of the soil, affecting its	2. Ground Improvement Techniques: Techniques like soil	traditional foundation methods are impractical or
ability to support vegetation growth and	stabilization, grouting, and compaction can help improve	costly, such as in areas with poor soil conditions or
nutrient cycling.	the soil's strength and stability, reducing the likelihood of	limited access for heavy machinery.
	soil disturbance during construction.	
Energy Consumption: The operation of	1. Training: workers are trained in the importance of energy	1. Prefabrication and Modular Construction:
machinery requires energy, typically derived	conservation and efficiency. This could involve instruction	Prefabrication and modular construction
from fossil fuels. The extraction, processing,	on when to turn off equipment, how to use machinery	methods involve manufacturing building
and combustion of these fuels contribute to	efficiently, and the benefits of energy conservation.	components off-site and assembling them on-
greenhouse gas emissions and contribute to	2. Efficient Equipment and Machinery: Use energy-efficient	site. This approach reduces energy consumption
climate change.	machinery and equipment that consume less energy	by streamlining the construction process,
	during operation. Regular maintenance and proper	minimizing material waste, and optimizing
	calibration of machinery can also improve energy	energy usage during manufacturing.
	efficiency and reduce energy waste.	2. Lean Construction: This methodology helps
		energy optimization in construction processes.

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

	<u>Type</u>	<u>Brand</u>	Model	<u>S/N No.</u>	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	1-Dec-29	92
2	Forklift	Mitsubishi	fd25nt	CF18C-81179	Mitsubishi	\$4\$	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	1-Dec-29	90
5	Generator	Denyo	DCA-220ESEI	3936288	ISUZU	6UZ1	EPD-A-001848-2019	Approval	EPD-08614	1-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	1-Aug-26	90
8	Generator	Airman	SDG220L-5B1	P8BB1-0270	ISUZU	BH-6UZ1XYGD-04	EPD-A-001771-2021	Approval	EPD-11160	1-Aug-27	94
9	Generator	Nippon Sharyo	NES150TI	DG041900	ISUZU	BH-6HK1X	EPD-A-001707-2018	Approval	EPD-07118	1-Jul-24	92
10	Forklift	Mitsubishi	FD30NT	CF14E-16891	Mitsubishi	\$4\$	EPD-A-000779-2017	Approval			
11	Generator	Nippon Sharyo	NES220EM	FJ083800	Guangxi Yuchai	YC6A275-D30	EPD-M-002058-2020	Approval	EPD-01840R	1-Jul-25	95
12	Generator	Airman	SDG300L-5B1	P9BB1-0057	KOMATSU	SAA6D125E-5-BV	EPD-A-001535-2017	Approval	EPD-05174R	1-Apr-29	98
13	Excavator	Komatsu	PC138US-8NM	29202	KOMATSU	SAA4D95LE-5	EPD-A-000710-2021	Approval			
14	Excavator	Hitachi	ZX200-5A	HCMDCX90E00300835	ISUZU	4HK1-XDHAG-02-C3	EPD-A-001008-2019	Approval	EPD-08152	1-Apr-25	103
15	Excavator	Hitachi	ZX75US-3	HCM1P300A00062042	ISUZU	AU-4LE2X	EPD-A-003158-2019	Approval		· · ·	
16	Generator	Airman	SDG220L-5B1	P8BB1-0339	ISUZU	BH-6UZ1XYGD-04	EPD-A-001469-2022	Approval	EPD-12431	1-Jun-28	94
17	Generator	Nissha	NES150TI	DG028600	Isuzu	BH-6HK1X	EPD-A-004698-2016	Approval	EPD-03628R	1-Apr-28	92
18	Generator	Airman	SDG45S-3B1	13A3B10349	Kubota	V3800-T	EPD-A-003461-2017	Approval	EPD-06204R	1-Dec-29	87
19	Generator	Airman	SDG220L-5B1	P8BB1-0383	ISUZU	BH-6UZ1XYGD-04	EPD-A-000565-2023	Approval	EPD-13321	1-Mar-29	94
20	Drilling rig	China Geo-equipment Chongqing Exploration Machinery Co. Ltd.	XY-2B	3-4818	Beinei	F4L912E11-3	EPD-A-002846-2020	Approval	2.0 10021	1 1110 23	
21	Excavator	Komatsu	SK350LC-8	YC11-06650	Hino	J08E-TM	EPD-A-002154-2018	Approval			
22	Generator	Nippon Sharyo	NES150TI	DG042300	ISUZU	BH-6HK1X	EPD-A-002077-2018	Approval	EPD-07262	1-Aug-24	92
23	Excavator	Yanmar	ViO40-5	51036B	Yanmar	4TNV88-PBV	EPD-A-000128-2019	Approval			
24	Excavator	Hitachi	ZX350K-3	HCM1V900T00056936	ISUZU	6HK1-XDHAA-01-C2	EPD-A-000772-2020	Approval			
25	Excavator	Kobelco	SK135SR-2	YY06-15612	Mitsubishi	D04FR	EPD-A-000581-2022	Approval			
26	Excavator	Liugong	CLG922E	CLG922EZHPE718565	Cummins	QSB7	EPD-A-003163-2023	Approval			
27	Generator	Nippon Sharyo	NES60TK2	KS013300	Kubota	V3800-DI-TI-K3A	EPD-A-007338-2016	Approval	EPD-04522R	1-Dec-28	90
28	Road works machine	BITELLI	DTV325	000816	HATZ	2M41	EPD-EE-018554-2015	Exemption			
29	Excavator	Kobelco	SK200-8	YN12-65540	Hino	J05E-TA	EPD-A-003548-2017	Approval			
30	Loader	Bobcat	S450	B1ED11528	Kubota Corporation	V2403-M-DI-EU32	EPD-A-005651-2016	Approval			
31	Excavator	Kobelco	SK225SR	YB05-03058	Hino	AA-J05E-TA	EPD-A-001400-2022	Approval			
32	Excavator	Kato	HD820V	KWJ01E01PC0006237	Mitsubishi	4M50-TLE3A	EPD-A-003461-2021	Approval			
33	Excavator	Hitachi	ZX225USR-5B	HCMDCQA0E00303589	ISUZU	4HK1	EPD-A-000509-2024	Approval			
34	Excavator	Liugong	CLG922E	CLG922EZEPE718566	Cummins	QSB7	EPD-A-003164-2023	Approval			
35	Excavator	Kobelco	SK135SR-2	YY06-22265	Mitsubishi	D04FR	EPD-A-005755-2016	Approval			
36	Excavator	Kobelco	SK225SR-3	YB07-05170	Hino	JOSE	EPD-A-000565-2024	Approval			
37	Excavator	Kobelco	SK135SR-2	YY05-12343	Mitsubishi	D04FR-KDP2TAAC	EPD-A-000483-2017	Approval			
38	Generator	Nippon Sharyo	NES60TK2	KS013000	Kubota	V3800-DI-TI-K3A	EPD-A007294-2016	Approval	EPD-04519R	1-Dec-28	90
39	Excavator	Komatsu	PC228US-3E0	KMTPC161P02042049	KOMATSU	SAA6D107E-1	EPD-A-005462-2016	Approval			1
40	Excavator	Kato	HD820V	KWJ01E01VA0005768	Mitsubishi	4M50-TLE3A	EPD-A-000979-2022	Approval			
41	Road works machine	Dynapac	CC1300	10000334E0A010764	Kubota	V22030	EPD-EE-019550-2015	Exemption			1
42	Air compressor	Denyo	DIS-180552	3929214	ISUZU	AA-4LE2	EPD-A-001224-2018	Approval	EPD-06937	1-May-24	93
43	Excavator	Caterpillar	320D	CAT0320DEBWZ02549	Caterpillar	JRD-C6.4	EPD-A-000252-2019	Approval	2.0.0000	2 1109 21	1
44	Road works machine	BOMAG	BW131AD-2	751750101550	KUBOTA	V1505	EPD-A-001349-2022	Approval			1
45	Drilling rig	CHINA Geo-equipment Chongqing Exploration Machinery Co. Ltd.	XY-2B	3-4756	BEINEI	F4L912E11-1	EPD-A-001602-2020	Approval			
46	Drilling rig	Beijing JAINE	JD110	2014015	DCEC	6BTA5.9-C150-II	EPD-EE-025256-2015	Exemption			
47	Generator	Nippon Sharyo	NES25TK	XZ027600	Kubota	V2403-K3A	EPD-A-007336-2016	Approval	EPD-04514R	1-Dec-28	90
48	Loader	Liugong	CLG365B	LGC365BZCPC503358	Perkins	404D-22	EPD-A-000432-2024	Approval			

APPENDIX Q Wastewater Discharge Layout Plan

