Civil Engineering and Development Department

Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team

<u>Environmental Permit No.:</u> <u>EP-477/2013/A</u> - Development of Lok Ma Chau Loop

Monthly Environmental Monitoring and Audit Report for June 2023

(Version 1.0)

Certified By	Dr. Priscilla Choy (Environmental Team Leader)
--------------	---

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

WELLAB accepts no responsibility for changes made to this report by third parties.

WELLAB LIMITED

Room 1714, Technology Park, 18 On Lai Street, Shatin, NT, Hong Kong Tel: (852) 2898 7388 Fax: (852) 2898 7076 Website: www.wellab.com.hk



Our ref.: LES/J2021-04/CS/L130 Date : 18 July 2023

By Post & Email

Civil Engineering and Development Department West Development Office West Division (5) 26/F, Tsuen Wan Government Office, 38 Sai Lau Kok Road, Tsuen Wan, New Territories

Attn: Ms. TAM Im Fei

Dear Ms. TAM,

Agreement No. WD/01/2020 Development of Lok Ma Chau Loop: Main Works Package 1 – Independent Environmental Checker

Verification of Monthly EM&A Report (June 2023)

Reference is made to the Monthly Environmental Monitoring and Audit (EM&A) Report of certified by the Environmental Team Leader in July 2023. We hereby verify the captioned submission in accordance with Clause 3.4 of the Environmental Permit No. EP-477/2013/A for the project of Development of Lok Ma Chau Loop.

Should you have any query, please feel free to contact the undersigned.

Yours faithfully, For and On Behalf Of Lam Environmental Services Limited

712

Raymond Dai Independent Environmental Checker

c.c. AECOM Wellab Limited

Mr. Eric Wong Dr. Priscilla Choy By Email By Email

TABLE OF CONTENTS

Page

EXECUTIVE SUMMARY	1
Introduction	
Environmental Monitoring and Audit Activities	1
Breaches of Action and Limit Levels	
Land Contamination	4
Site Environmental Audit	4
Complaint Log	
Notification of Summons and Successful Prosecutions	5
Reporting Change	5
Future Key Issues	5
1 INTRODUCTION	7
Purpose of the report	
Structure of the report	
-	
2 PROJECT INFORMATION	
Background	
Project Organisation	
Construction Programme	
Summary of Construction Works Undertaken During Reporting Month	
Status of Environmental Licences, Notifications and Permits	
Status of Compliance with Environmental Permits Conditions	15
3 AIR QUALITY MONITORING	18
Monitoring Requirements	
Monitoring Location	18
Monitoring Equipment	18
Monitoring Parameters and Frequencies	19
Monitoring Methodology and Quality Assurance/Quality Control (QA/QC) Procedure	19
Instrumentation	19
HVS Installation	19
Filters Preparation	
Operating/Analytical Procedures	20
Maintenance/Calibration	21
(AEROCET-831)	
Maintenance/Calibration	
Results and Observations	
Event and Action Plan	23
4 NOISE MONITORING	24
Monitoring Requirements	
Monitoring Location	
Monitoring Equipment	
Monitoring Parameters, Frequency and Duration	
Monitoring Methodology and QA/QC Procedures	
Maintenance and Calibration.	
Results and Observations	
Event and Action Plan	
5 WATER QUALITY MONITORING	
Monitoring Requirements	
Monitoring Locations	
Monitoring Equipment	∠ð

Instrumentation	
Monitoring Parameters and Frequency	
Monitoring Methodology	
Operating/Analytical Procedures	
Laboratory Analytical Methods	
QA/QC Requirements	
Maintenance and Calibration	
Results and Observations	
Event and Action Plan	
6 ECOLOGICAL MONITORING	
LMC Loop	
Monitoring Requirements (Avifauna Monitoring – Flight Line Survey)	
Monitoring Requirements (Mammals)	
Western Connection Road	
Monitoring Requirements (Avifauna Monitoring – Flight Line Survey)	
Monitoring Requirements (Avifauna Monitoring – Pond 12) Herpetofauna	
Aquatic Fauna	
-	
7 LAND CONTAMINATION	
General	
Remediation Work Progress in the Reporting Month	
8 WASTE MANAGEMENT	
General	
Solid and Liquid Waste Management Status	
9 ENVIRONMENTAL SITE INSPECTION	
Site Audits	
10 IMPEMENTATION STATUS OF ENVIRONMENTAL MITIGATION	
MEASURES	
Ecological Mitigation Measures - Offsite Wetland Compensation Areas (OWCAs	
Ecological Mitigation Measures – Installation of 3m-high Olive Green Fence	/
11 ENVIRONMENTAL NON-CONFORMANCE (EXCEEDANCES)	
Summary of Exceedances	
Summary of Environmental Complaint	
Summary of Notification of Summons and Successful Prosecutions	
-	
12 FUTURE KEY ISSUES	
Key Issues in the Coming Months Monitoring Schedule for the Next Month	
Construction Programme for the Next Month	
-	
13 CONCLUSIONS AND RECOMMENDATIONS	
Conclusions	
Recommendations	

LIST OF TABLES

- Table I
 Summary Table for EM&A Activities in the Reporting Month
- Table II
 Summary Table for Environmental Exceedances in the Reporting Month
- Table III
 Summary Table for Site Environmental Audit in the Reporting Month
- Table 2.1Site Layout and Scope of Works under the Project
- Table 2.2Key Contacts of the Project
- Table 2.3
 Status of Environmental Licences, Notifications and Permits
- Table 2.4Summary Table for Status of Compliance / Required Submission under EP
No. EP-477/2013/A
- Table 3.1Location of Air Quality Monitoring Stations
- Table 3.2Air Quality Monitoring Equipment
- Table 3.3
 Impact Air Quality Monitoring Parameters and Frequencies
- Table 3.4Summary Table of 1-hour TSP Monitoring Results during the Reporting
Month
- Table 3.5Summary Table of 24-hour TSP Monitoring Results during the Reporting
Month
- Table 3.6Observation at Air Quality Monitoring Stations
- Table 4.1Location of Noise Monitoring Stations
- Table 4.2Noise Monitoring Equipment
- Table 4.3Noise Monitoring Parameters, Duration and Frequency
- Table 4.4Summary Table of Noise Monitoring Results during the Reporting Month
- Table 4.5Observation at Noise Monitoring Stations
- Table 5.1
 Location for Water Quality Monitoring Stations
- Table 5.2Types of Sampling Bottle and Preservation Method
- Table 5.3Water Quality Monitoring Equipment
- Table 5.4
 Water Quality Monitoring Parameters, Depths and Frequency
- Table 5.5Laboratory Analysis Method for Water Samples
- Table 5.6Summary of Water Quality Exceedances
- Table 6.1Number of Birds Observed
- Table 6.2Number of Bird-flights
- Table 6.3Summary of Avifauna Monitoring Results at Pond 12
- Table 7.1Detailed Contamination Information for Designated Remediation Areas
- Table 7.2ContaminantSolidification &StabilisationTargetforCementSolidification / Stabilisation (CS/S)
- Table 8.1Quantities of Waste Generated in the Reporting Month
- Table 9.1Summary of Site Audits
- Table 9.2Observations and Recommendations of Site Audit
- Table 10.1
 Compliance Status of Related Environmental Mitigation Measures
- Table 11.1
 Statistical Summary of Environmental Complaints
- Table 11.2
 Statistical Summary of Environmental Summons
- Table 11.3Statistical Summary of Environmental Prosecution

LIST OF FIGURES

- Figure 1 Layout Plan
- Figure 2 Location of Air Quality Monitoring Stations
- Figure 3 Location of Noise Monitoring Stations
- Figure 4 Location of Water Quality Monitoring Stations
- Figure 5a Locations of Pond 12 and Lok Ma Chau Lookout
- Figure 5b Locations of Transects for Monitoring of Chinese Bull Frog
- Figure 5c Locations of Rose Bitterling Sampling Points
- Figure 6 Flight Line of All Bird Species

LIST OF APPENDICES

- Appendix A Construction Programme
- Appendix B Action and Limit Levels
- Appendix C Copies of Calibration Certificates
- Appendix D Environmental Monitoring Schedules
- Appendix E 1-hour TSP Monitoring Results and Graphical Presentation
- Appendix F 24-hour TSP Monitoring Results and Graphical Presentation
- Appendix G Noise Monitoring Results and Graphical Presentation
- Appendix H Water Quality Monitoring Results and Graphical Presentation
- Appendix I Weather Condition
- Appendix J Event Action Plans
- Appendix K Summary of Exceedance
- Appendix L Site Audit Summary
- Appendix M Environmental Mitigation Implementation Schedule
- Appendix N Temporary Noise Barriers
- Appendix O Waste Generation in the Reporting Month
- Appendix P Complaint Logs
- Appendix Q Summary of Successful Prosecution
- Appendix R Ecological Monitoring Results
- Appendix S Photo Records of the Status of Ponds

EXECUTIVE SUMMARY

Introduction

- 1. This is the 54th Monthly Environmental Monitoring and Audit (EM&A) Report prepared for Environmental Permit No.: EP-477/2013/A - Development of Lok Ma Chau Loop (hereinafter called "the Project"). This report documents the findings of Environmental Monitoring and Audit (EM&A) works conducted in the period from 1st to 30th June 2023 (hereinafter called "the reporting month").
- 2. During the reporting month, the following Works Contracts were undertaken for the Project:
 - Contract No. YL/2020/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 (hereinafter called the "Contract 1")
 - Contract No.: YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1 (hereinafter called the "Contract 2")
 - Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2

Environmental Monitoring and Audit Activities

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

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

		Monitoring Dorom stor	Data	
Environmental Aspect		Monitoring Parameter	Date	
Air Quality	1-hr Total Suspended Particulates (TSP) Monitoring		6^{th} , 12^{th} 16^{th} , 21^{st} and 27^{th} June 2023	
		24-hr TSP Monitoring	5^{th} , 9^{th} , 15^{th} , 20^{th} , 26^{th} and 30^{th} June 2023	
Constructio	n Noise	L _{eq30mins}	6 th , 12 th , 21 st and 27 th June 2023	
Water Qual	ity	 Temperature pH Turbidity Water depth Salinity Dissolved Oxygen (DO) Suspended Solids (SS) 	3 rd , 5 th , 7 th , 9 th , 12 th , 14 th , 16 th , 19 th , 21 st , 23 rd , 26 th , 28 th and 30 th June 2023	
Ecological	Lok Ma Chau (LMC) Loop	Avifauna flight line survey Mammal monitoring (by infra- red flash cameras)	16 th June 2023 Temporary suspended as the connectivity between the reed marsh in the LMC Loop and the EA Zone has been fenced off due to other project's land occupier (i.e. emergency hospital)	

Environmental Aspect		Monitoring Parameter	Date
		Avifauna flight line survey	16 th June 2023
		Avifauna survey at Pond 12	1^{st} , 5^{th} , 14^{th} , 23^{rd} and 26^{th} June 2023
		Herpetofauna survey	14 th June 2023
	Western	Aquatic Fauna survey	23 rd June 2023
Ecological	Connection		LMC Meander
Leological	Road (WCR)		3 rd , 5 th , 7 th , 9 th , 12 th , 14 th , 16 th , 19 th ,
Kua	Road (WCR)	Water Quality Monitoring for Aquatic Fauna	21 st , 23 rd , 26 th , 28 th and 30 th June 2023
			Stream and associated ponds south of
			Lung Hau Road
			5 th , 16 th , 23 rd and 28 th June 2023
			Contract 1
			7 th , 14 th , 21 st and 28 th June 2023
Site Environmental Audit		Environmental protection and	Contract 2
		pollution control measures	7 th , 14 th , 21 st and 28 th June 2023
			Contract 3
			5 th , 12 th , 19 th and 26 th June 2023

Breaches of Action and Limit Levels

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

 Table II
 Summary Table for Environmental Exceedances in the Reporting Month

					Event & Action	
Environmental Monitoring	Parameter	Action Level	Limit Level	Investigation Result	No. of Exceedance related to the Construction Works of the	Corrective Action
A in Orality	1-hr TSP	0	0		0	
Air Quality	24-hr TSP	0	0		0	
Construction Noise	Daytime Leq(30min)	0	0		0	
	DO	0	0		0	
Water Quality	Turbidity	0	0		0	
	SS	0	0		0	

1-hour TSP Monitoring

5. All 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.

24-hour TSP Monitoring

6. All 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.

Construction Noise

7. All construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.

Water Quality

8. All water quality monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.

Ecological Monitoring

<u>LMC Loop</u>

Avifauna (Flight Line Survey)

9. Avifauna monitoring was conducted as scheduled in the reporting month. Flight lines recorded were in general concentrated mainly on LMC Meander and adjacent areas including Ecological Area Zone (EA Zone) and along Shenzhen River. It demonstrates that the large waterbirds prefer using the flight line corridor above the LMC Meander as well as the unaffected Shenzhen River instead of the centre of LMC Loop.

Mammals

- 10. According the Clause 11.4.1.2 of EM&A Manual, the objective of mammals monitoring is to monitor the connectivity between the reed marsh in the LMC Loop and the EA Zone. In view of current site condition of Loop, the connectivity between the reed marsh in the LMC Loop and the EA Zone has been fenced off due to other project's land occupier.
- 11. In addition, the 12-month establishment period of EA zone has also been completed. The mammals monitoring in the Loop has therefore been temporarily suspended since March 2022 and will be resumed subject to the site condition.

Western Connection Road

Avifauna (Flight Line Survey)

12. Avifauna monitoring was conducted as scheduled in the reporting month. Flight lines recorded were in general concentrated mainly on LMC Meander and adjacent areas including Ecological Area Zone (EA Zone) and along Shenzhen River. It demonstrates that the large waterbirds prefer using the flight line corridor above the LMC Meander as well as the unaffected Shenzhen River instead of the centre of LMC Loop.

Avifauna (Pond 12)

13. Avifauna survey at Pond 12 was conducted as scheduled in the reporting month. Weekly count of birds using the Pond was recorded. No significant impact of construction activities on bird use of the pond was observed.

Herpetofauna

14. Herpetofauna survey was conducted as scheduled in the reporting month. It was observed that the shallow agricultural ponds where Chinese Bullfrog was recorded has been altered into relatively dry agricultural lands, which may have an effect on the local Chinese Bullfrog population. However, no significant impact of construction activities on this species was observed.

Aquatic fauna

15. Aquatic fauna survey was conducted as scheduled in the reporting month. No significant impact of construction activities on the stream was observed.

Land Contamination

- Decontamination for five arsenic-contaminated zones (LD01 LD05) identified in LMC Loop was completed and the final Remediation Report was submitted and approved by EPD in accordance with Condition 2.16 of the EP-477/2013/A under Contract No. YL/2017/03.
- 17. No work related to land contamination was conducted in the reporting month.

Site Environmental Audit

18. In the reporting month, weekly joint site inspections to evaluate the site environmental performance had been carried out by the representatives of the Consultants, Independent Environmental Checker (IEC), Environmental Team (ET) and the Contractors. The date(s) of the weekly site environmental audit conducted under the Project are summarized in **Table III**.

Contract(s)	Date(s) of Site Environmental Audit
Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1	7 th , 14 th , 21 st and 28 th June 2023
Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1	7 th , 14 th , 21 st and 28 th June 2023
Contract No.: YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2	5 th , 12 th , 19 th and 26 th June 2023

19. No non-compliance was recorded during the site inspections.

Complaint Log

20. No environmental complaint was received in the reporting month.

Notification of Summons and Successful Prosecutions

21. No notification of summons or successful prosecution was received in the reporting month.

Reporting Change

22. This report has been prepared in compliance with the reporting requirements for the subsequent monthly EM&A Report as required by the EM&A Manual for Development of Lok Ma Chau Loop (EM&A Manual). No reporting change was made in the reporting month.

Future Key Issues

23. Major site activities for the coming reporting months will include:

<u>Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package</u> <u>1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and</u> <u>Western Connection Road Phase 1</u>

- (a) Wetland Compensation Establishment Works and Ecological Monitoring.
- (b) Additional Ground Investigation.
- (c) Deep Cement Mixing Work for Western Connection Road.
- (d) Structure Construction for Box Culverts and Retaining wall at WCR.
- (e) Drainage Works and Roadworks.
- (f) Woodland Compensation Works.

<u>Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package</u> <u>1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San</u> <u>Tin Highway and Direct Road Link Phase 1</u>

Section 1

- (a) Tree Felling and Site Clearance along RW8 area and immediate vicinity. Forming of temporary carriageway to divert traffic.
- (b) Demolition of Subway Cycle Track Bay 12, 13, & 14 and to exposed and protect 132kv cables.
- (c) Excavation and lateral support for RW9 Bay 1 to Bay 4.
- (d) Construction of retaining wall RW9, complete wall stem from bay5 to bay16.
- (e) Commence construction of retaining wall RW8.
- (f) Retaining wall RW10 start implementation of TTA.
- (g) Slope Works for F26 and F23 slope benching and fill slope to required profile.

Section 2A

- (h) Complete all RC block removal works at BPW1.
- (i) Complete all slopes trimming works at CS1 and CS2.
- (j) Site Clearance at LMC Road Zone 3, Zone 4, Zone 5 and Zone 6.

- (k) Liaison with utility companies for utility diversion.
- (1) RW6 ELS works and construction of concrete structure.
- (m) RW6A pipe piling works.
- (n) RW CTWR ELS works and construction of concrete structure.
- (o) DN700 watermain laying works.
- (p) Noise Barrier NB16 ELS works and construction of concrete structure (Bay 1, Bays 4-6).
- (q) UU works along Lok Ma Chau Road.

Section 2B

- (r) EIBC foundation work total 8 nos. of bored piles.
- (s) Manual survey and vibration monitoring in MTR Tunnel.

Section 2C

- (t) Bored pile and socketed H-Pile for Bridge ST01 and CTFB (ST01-P05 & FBP05, EIBC).
- (u) Construction of Pier at ST01-P02 & P03.
- (v) Construction of FBA02 and FBP06 Pile caps.
- (w) Construction of Pile Cap and Pier at ST01-P04 and P06.

Section 3

- (x) Access forming and timber platform installation for predrilling at DRL-P08.
- (y) Bored pile for Bridge DRL-P02, P03 and P11.
- (z) Construction of Pile Cap and Pier at DRL-P12 & P13.
- (aa) Construction of temporary working platform for DRL-P06, P07 and P08 in Eash Nullah.

Section 5

(bb) Construction of Pai Lau Columns, Structure and Finishes.

<u>Contract No.: YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package</u> <u>1 – Contract 3 Direct Road Link Phase 2</u>

- (a) LMC Station Structural Steel Fabrication.
- (b) LMC Station Structural Openings for E&.M Diversion.
- (c) ELS Works at Elevated PTI.
- (d) UU Diversion for Watermain (MTR) and Drainage Diversion at Elevated PTI.
- (e) Bored Piling Works at Double-deck Footbridge.

1 INTRODUCTION

1.1 Wellab Limited (WELLAB) was appointed by the Civil Engineering and Development Department (CEDD) under Service Contract No. WD/04/2020 as the Environmental Team to undertake the Environmental Monitoring and Audit (EM&A) programme for the Works Contracts under Main Works Package 1 and the remaining works under Contract No. YL/2017/03 – Development of Lok Ma Chau Loop: Land Decontamination and Advance Engineering Works to ensure that the environmental performance of the Works Contracts comply with the requirements specified in the Environmental Permit (EP), Environmental Monitoring & Audit (EM&A) Manual, Environmental Impact Assessment (EIA) Report of the Project and other relevant statutory requirements.

Purpose of the report

1.2 This is the 54th EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme in the period from 1st to 30th June 2023.

Structure of the report

1.3 The structure of the report is as follows:Section 1: Introduction - purpose and structure of the report.

Section 2: **Project Information** - summarises background and scope of the Project, site description, project organisation and contact details, construction programme, the construction works undertaken and the status of Environmental Permits/Licences during the reporting month.

Section 3: Air Quality Monitoring - summarises the monitoring parameters, monitoring programmes, monitoring methodologies, monitoring frequencies, monitoring locations, Action and Limit Levels, monitoring results and Event / Action Plans.

Section 4: **Noise Monitoring -** summarises the monitoring parameters, monitoring programmes, monitoring methodologies, monitoring frequencies, monitoring locations, Action and Limit Levels, monitoring results and Event / Action Plans.

Section 5: Water Quality Monitoring - summarises the monitoring parameters, monitoring programmes, monitoring methodologies, monitoring frequencies, monitoring locations, Action and Limit Levels, monitoring results and Event / Action Plans.

Section 6: Ecological Monitoring - summarises the monitoring parameters, monitoring programmes, monitoring methodologies, monitoring frequencies, monitoring locations and monitoring results.

Section 7 Land Contamination - summarises the remediation works progress for contamination soil and relevant submission.

Section 8 Waste Management – summarises the implementation status of waste management.

weekly site inspections undertaken within the reporting month.

Section 10: Implementation Status of Environmental Mitigation Measures - summarises the compliance status of environmental mitigation measures.

Section 11: **Environmental Non-conformance** - summarises any monitoring exceedance, environmental complaints, environmental summons and successful prosecutions within the reporting month.

Section 12: Future Key Issues - summarises the impact forecast and monitoring schedule for the next three months.

Section 13: Conclusions and Recommendations

2 PROJECT INFORMATION

Background

- 2.1 The development at Lok Man Chau (LMC) Loop is one of the ten major infrastructure projects for economic growth of the Hong Kong Special Administrative Region (HKSAR). The HKSAR Government would work with the Shenzhen authorities to tap the land resources of the LMC Loop to meet future development needs and consolidate the strategic position of both cities in the Pan-Pearl River Delta region. The Project is to develop LMC Loop with higher education as the leading land use, complemented by high-tech research and development facilities and cultural and creative industries.
- 2.2 The planning and engineering study for the Loop development is a designated project (DP) classified under Item 1 Schedule 3 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499). In October 2013, the EIA Report (AEIAR-176/2013) of the Project was approved by the Director of Environmental Protection pursuant to the EIA Ordinance in accordance with the EIA Study Brief (No. ESB-201/2008 and ESB-238/2011) and the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM). The Environmental Permit (EP) (EP no.: EP-477/2013) was also granted in November 2013.
- 2.3 Pursuant to Section 13 of the EIAO, the Director of Environmental Protection amends the Environmental Permit (No. EP-477/2013) based on the Application No. VEP- 595/2021 and the environmental Permit (Permit No. E EP-477/2013/A) was issued on 12th August 2021 for Development of Lok Ma Chau Loop.
- 2.4 The Loop development is implemented by three works packages in stages, namely: Advance Works, Main Works Package 1 (MWP1) and Main Works Package 2 (MWP2).
- 2.5 Contract No. YL/2017/03 Development of Lok Ma Chau Loop: Land Decontamination and Advance Engineering Works (hereinafter called the "Contract") was awarded to Sang Hing Kuly Joint Venture (hereinafter called the "Contractor 1") in June 2018 for the Advance Works. All construction works of Contract No. YL/2017/03 have been completed and the works were successfully handed over to AFCD and DSD on 30th December 2021.
- 2.6 For MWP1, there will be a total of 5 Works Contracts and the contract packaging is shown below.
 - Contract 1 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 1 – Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1
 - 2) Contract 2 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1
 - Contract 3 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 3 – Direct Road Link Phase 2
 - 4) Contract 4 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 4 Fresh Water Service Reservoir and Associated Waterworks
 - 5) Contract 5 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 5 Landscaping Works within Lok Ma Chau Loop

- 2.7 Contract No. YL/2020/01 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 (hereinafter called the "Contract 1") was awarded to CRCC-Kwan Lee-Paul Y. JV (hereinafter called the "Contractor 2") in July 2021.
- 2.8 Contract No.: YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1 (hereinafter called the "Contract 2") was awarded to China Road and Bridge Corporation (hereinafter called the "Contractor 3") in September 2021.
- 2.9 Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 Contract 3 Direct Road Link Phase 2 (hereinafter called the "Contract 3") was awarded to Paul Y.-Chun Wo-CRCC JV (hereinafter called the "Contractor 4") in February 2022.
- 2.10 During the reporting month, the following Works Contracts were undertaken for the Project:
 - Contract No. YL/2020/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 (Contract 1)
 - Contract No.: YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1 (Contract 2)
 - Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2 (Contract 3)
- 2.11 The layout of the construction works under the Project and the scope of works under the Project are summarized in **Table 2.1**.

Table 2.1Site Layout and Scope of Works under the Project

Contract(s)	Scope of Works	Site Layout Plan	
Contract No. YL/2017/03 – Development of Lok Ma Chau Loop: Land Decontamination and Advance Engineering Works (Completed)	 a) Land decontamination treatment within the Loop; b) Establishment of an Ecological Area (EA) within the Loop; c) Construction of a temporary access to the Loop; d) Minor improvement works to Ha Wan Tsuen East Road and other ancillary works; e) Construction of temporary noise barriers and miscellaneous road works along Lok Ma Chau Road; f) Ground treatment works to the first batch of land parcels within the Loop for development of buildings and associated facilities for Phase 1 of the Hong Kong – Shenzhen Innovation and Technology Park and development of the western electricity substation; and g) Implementation of environmental mitigation measures for the works mentioned in the items (a) to (f) above. 	Figure 1a	

Contract(s)	Scope of Works	Site Layout Plan
ContractNo.YL/2020/01-DevelopmentofLokMaMaLoop:Main	 a) Ground treatment and site formation works; b) Construction of carriageway, footpaths, cycle tracks and a public transport interchange within the Loop; 	
Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau	 c) Construction of Western Connection Road Phase 1 through widening of existing Ha Wan Tsuen East Road, which includes construction of footpath, cycle track, slopes, retaining walls and a vehicular bridge over the old Shenzhen River 	
Loop and Western Connection Road Phase 1	 d) Provision of other infrastructures, including a tertiary sewage treatment works and sewerage system, water supply system, drainage system, and other associated works; and 	
	e) Environmental mitigation measures including about 18 ha offsite wetland compensation and about 1.3 ha offsite woodland compensation.	
ContractNo.:YL/2020/02-DevelopmentofLok	 a) Construction of Western Connection Road Phase 2 through widening of a section of existing Lok Ma Chau Road; 	0
Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling /	 b) Construction of Direct Road Link Phase 1 comprising a viaduct of about 720mm long; construction of slip roads connecting Lok Ma Chau Road and Fanling Highway / San Tin Highway including a viaduct of about 340 m long; 	
San Tin Highway and Direct Road Link Phase 1	 c) Construction of a cycle track cum footbridge; d) Construction of associated works including road improvement works, footpaths, cycle tracks, slopes, retaining walls, water supply system and drainage system; and e) Provision of noise barriers. 	
ContractNo.:YL/2021/01-Development of LokMa Chau Loop: Main	 a) Construction of an elevated public transport interchange of an approximate area of 5,700 square metres above the existing Lok Ma Chau Spur Line Public Transport Interchange; 	
Works Package 1 – Contract 3 Direct Road Link Phase 2	 b) Construction of an approximately 90 metres long double-deck footbridge and a lift tower of approximately 21 metres in height with three lifts and three escalators connecting the elevated public transport interchange mentioned above to the MTR Lok Ma Chau Station; 	
	 c) Associated modification works within the MTR Lok Ma Chau Station; and d) Associated roadworks, landscaping, electrical and mechanical works and ancillary works. 	

Project Organisation

2.12 Different parties with different levels of involvement in the Project organization. The key personnel contact names and numbers are summarised in **Table 2.2**.

Organization	Project Role	Contact Person	Tel No.	Fax No.
CEDD	Project Proponent	Mr. Davy KS CHAN	2417 6370	2412 0358
WELLAB	ET	Dr Priscilla Choy – ET Leader	2898 7388	2898 7076
Lam Environmental Services Limited (LAM)	IEC	Mr. Raymond Dai	2839 5666	2882 3331
Contract No. YI	./2020/01			
AECOM	Consultants	Mr. Eric Wong	9861 8664	TBA
		Site Agent – Mr. Jeremy Luk	9013 7913	2774 0197
CRCC-Kwan	Contractor	Senior Engineer – Mr. Max Mak	9263 1116	2774 0197
Lee-Paul Y. JV		Senior Engineer – Mr. Stephen Leung	9770 6390	2774 0197
		Environmental Officer – Ms. Lila Lui	5261 0378	2774 0197
Contract No. YI	./2020/02			
AECOM	Consultants	Mr. Eric Wong	9861 8664	TBA
	Contractor	Site Agent – Mr. Roger Poon	9503 2488	3996 9202
China Road and Bridge Corporation		Construction Team Leader – Mr. Angus Mok	98389224	3996 9202
		Environmental Officer – Mr. Calvin So	9724 6254	3996 9202
Contract No. YI	./2021/01			
AECOM	Consultants	Mr. Eric Wong	9861 8664	TBA
	Contractor	Site Agent – Mr. Desmond Tang	5188 0815	3015 7861
Paul YChun Wo-CRCC JV		Section Agent – Mr. Charles Choi	6350 0142	3015 7861
		Environmental Officer – Mr. Tino Law	6856 4150	3015 7861

Table 2.2Key Contacts of the Project

Construction Programme

2.13 Copies of contractors' construction programmes are provided in Appendix A.

Summary of Construction Works Undertaken During Reporting Month

2.14 The major site activities undertaken in the reporting month included:

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package <u>1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and</u> <u>Western Connection Road Phase 1</u>

- (a) Wetland Ecological Monitoring Wetland Compensation Establishment Works and Ecological Monitoring
- (b) Ground Investigation Works, Deep Cement Mixing works, Piling works and Excavation and Lateral Support Cofferdam Construction for Vehicular Bridge over the Old Shenzhen River Meander
- (c) Excavation and Lateral Support (ELS) for Box Culvert A and C
- (d) Excavation and Lateral Support (ELS) Cofferdam Construction and Underground Utilities (UU) installation for Road L1
- (e) Deep Cement Mixing works for Western Connection Road

<u>Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package</u> <u>1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San</u> <u>Tin Highway and Direct Road Link Phase 1</u>

- (a) Tree felling works
- (b) Pre-drilling works
- (c) Socketed H-pile at Staircase & FBA-01 in CTFB and AP04, Approach Ramp & Abutment DRL-A01 in DRL, and H-pile of FBA-01
- (d) Demolition of Existing Structures
- (e) DDA for Full-span erection of ST01
- (f) Retaining Wall BPW1 Bored Piling works, slope profile trimming works and upper concrete block wall removed
- (g) Bored pile works at ST01, CTFB and DRL, and DRL-P11-01, 02, DRL-P06-01 and DRL-P04-01
- (h) Retaining Wall RW9-Construction of base slab Bay 16 to Bay 5, construction of Wall Stem Bay 16 13, Bay 11, Bay 8 & Bay 7, and backfilling for Bay 16-Bay 14
- (i) Trial pit to expose 132kV powerline and sheet piling for subway demolition works
- (j) Construction of Pai Lau 2nd concrete of Canopy, the last top of superstructure formwork is in progress and concrete pouring
- (k) TTA along footpath in Lok Ma Chau Road
- (1) ELS for Pile Cap of ST01-P04 and ST01-P06

- (m) Pile Cap of DRL-P12 cast completed. Pile Cap of DRL-P13 formwork erection is in progress. Bore Piling works of DRL-P11-01 and 02 are in progress, to be completed cast in Jun 2023. Bore Pile DRL-P02-02, DRL-P03-02, DRL-P05-02 are completed cast in report duration
- (n) Enhanced Integrated Structure Concrete Block wall erection and Breaking existing box culvert preparation works
- (o) Retaining Wall RW CTWR sheet piling work
- (p) Retaining Wall RW6A Bamboo works platform erection work

Contract No.: YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2

- (a) Underground Utility detection
- (b) Pre-drilling
- (c) Trial pit excavation
- (d) Material / Waste Lifting and Delivery
- (e) Utilities diversion
- (f) Bored pile construction
- (g) Erect external scaffold outside LMC Station
- (h) E&M
- (i) ABWF
- (j) Temporary Lighting system
- (k) Site Demarcation
- (l) ELS

Status of Environmental Licences, Notifications and Permits

2.15 A summary of the relevant permits, licences, and/or notifications on environmental protection for the Project is presented in **Table 2.3**.

Table 2.3	Status of Environmental Licences, Notifications and Permits
-----------	---

	Permit / License	Valio	l Period	
Contract No.	No.	From	То	Status
Environmental Permit (El	?)			
Contract No. YL/2020/01 Contract No. YL/2020/02	EP-477/2013	22/11/2013	N/A	Valid
Contract No. YL/2021/01	EP-477/2013/A	12/08/2021	N/A	Valid
Construction Noise Permi	t (CNP)			
Contract No. YL/2020/01	GW-RN0634-23	18/06/2023	17/09/2023	Valid
Contract No. YL/2020/02	GW-RN0113-23	10/02/2023	09/06/2023	Expired during reporting period
	GW-RN0326-23	31/03/2023	30/06/2023	Valid
	GW-RN0386-23	09/05/2023	08/08/2023	Valid
Contract No. YL/2021/01	GW-RN0502-23	24/05/2023	22/07/2023	Valid
	GW-RN0642-23	28/06/2023	27/08/2023	Valid
WMA21000\220(\D.,4_220(28/06/2023	27/08/2023	Valid

	Permit / License	Valid PeriodFromTo			
Contract No.	No.			Status	
Notification pursuant to Air Pollution Control (Construction Dust) Regulation					
Contract No. YL/2020/01	469726	21/07/2021	Till the Contract ends	Receipt acknowledged by EPD	
Contract No. YL/2020/02	471916	20/09/2021	Till the Contract ends	Receipt acknowledged by EPD	
Contract No. YL/2021/01	479880	17/05/2022	Till the Contract ends	Receipt acknowledged by EPD	
Billing Account for Dispos	al of Construction V	Waste			
Contract No. YL/2020/01	7041333	27/07/2021	Till the Contract ends	Valid	
Contract No. YL/2020/02	7041861	15/10/2021	Till the Contract ends	Valid	
Contract No. YL/2021/01	7043434	22/05/2022	Till the Contract ends	Valid	
Registration of Chemical	Waste Producer				
Contract No. YL/2020/01	WPN 5213-620- C4632-01	21/07/2021	Till the Contract ends	Valid	
Contract No. YL/2020/02	WPN 5213-542- C1232-24	29/11/2021	Till the Contract ends	Valid	
Contract No. YL/2021/01	WPN 5213-542- P3483-01	21/04/2022	Till the Contract ends	Valid	
Effluent Discharge Licens	e under Water Pollu	ution Control O	ordinance		
Contract No. YL/2020/01	WT00039466-2021	04/01/2023	31/12/2026	Valid	
	WT00041233-2022	18/07/2022	31/07/2027	Valid	
Contract No. YL/2020/02	WT00041280-2022	27/07/2022	31/07/2027	Valid	
	WT00042556-2022	23/11/2022	30/11/2027	Valid	
	WT00043043-2023	21/04/2023	30/04/2028	Valid	
Contract No. YL/2021/01	WT00041259-2022	21/07/2022	31/07/2027	Valid	
Specified Processes for Ce	ment Works under	Air Pollution (Control Ordinance		
Contract No. YL/2020/01	L-3-270(1)	25/04/2023	24/04/2025	Valid	

Status of Compliance with Environmental Permits Conditions

2.16 The status of compliance with Environmental Permit (EP) No. EP-477/2013/A and required submission related to this Project under the EP is summarized in **Table 2.4**:

EP Conditions	Submission(s)	Requirement	Submission Date	Approval Status
2.3	Management Organizations	no later than one month before the commencement of construction of the Project	<u>YL/2020/01:</u> 7 July 2021 <u>YL/2020/02:</u> 17 Nov 2021 <u>YL/2021/01:</u> 30 Mar 2022	*
2.4	Pedestrian Walkway Reserve in the Direct Link to MTR LMC Station	at least one month before the commencement of construction of the Direct Link, deposited with the Director	17 Nov 2021	*
2.5 & 2.6	Submission of Works Schedule and Location Plans	Works Schedule: at least one month before the commencement of the works of the Project Location Plan: at least two weeks before the commencement of the works of the Project	<u>YL/2020/01:</u> 7 July 2021 <u>YL/2020/02:</u> 17 Nov 2021 <u>YL/2021/01:</u> 30 Mar 2022	*
2.7	Ecological Mitigation / Habitat Creation and Management Plan	at least one month before the commencement of corresponding parts of the works of the Project, deposited with the Director	7 Dec 2021 (Issue 4)	*
2.8	Landscape Plan	at least one month before the commencement of corresponding parts of the works of the Project, deposited with the Director	To be submitted at least one month before the commencement of corresponding parts of the works of the Project (tentative submission date will be supplemented once available)	*
2.11	Emergency Contingency Plan	at least one month before the commencement of the concerned works of the Project, deposited with the Director	26 Oct 2021	*
2.15	Re-appraisal report	at least one month before the commencement of corresponding parts of the works of the Project, deposited with the Director	18 Jun 2021	*
2.16	Remediation Report	no later than one month after the completion of the remediation works for approval	N/A (no remediation is required according to re- appraisal report)	N/A
2.17	 (a) Updated Contamination Assessment Plan (CAP) (b) Contamination Assessment Report (CAR) (c) Remedial Action Plan (RAP) 	 (a) submitted to the Director for approval (b) no later than two months after the completion of the Supplementary SI (c) submitted to the Director for approval (d) no later than one month after the completion of the 	N/A (no remediation is required according to re- appraisal report)	N/A

Table 2.4Summary Table for Status of Compliance / Required Submission under EP No.EP-477/2013/A

WMA21009\2306\Rpt_2306_v.1.0

EP Conditions	Submission(s)	Requirement	Submission Date	Approval Status
	(d) Remediation Report (RR)	remediation works for approval		
3.3	Baseline Monitoring Report	at least one month before commencement of construction of the Project.	3 Dec 2018	*
3.4	Monthly EM&A Report	within 10 working days after the end of each reporting month	Regular submitted within 10 working days after the end of each reporting month	*

Remarks: * Approval not required in EP-477/2013/A N/A – Not Applicable

3 AIR QUALITY MONITORING

Monitoring Requirements

- 3.1 In accordance with the EM&A Manual for Development of Lok Ma Chau Loop (EM&A Manual), impact 1-hour Total Suspended Particulates (TSP) and 24-hour TSP monitoring were conducted to monitor the air quality for the Project. **Appendix B** shows the established Action/Limit Levels for the air quality monitoring work.
- 3.2 Impact 1-hour TSP monitoring was conducted for at least three times every 6 days, while impact 24-hour TSP monitoring was conducted for at least once every 6 days at 4 air quality monitoring stations.

Monitoring Location

3.3 Impact air quality monitoring was conducted at the 4 monitoring stations under the Project, as shown in Figure 2. Table 3.1 describes the location of the air quality monitoring stations.

Monitoring Station	Location
DMS-1a (see Note 1)	Village House along Ha Wan Tsuen East Road
DMS-2A (see Note 2)	Village House along Lok Ma Chau Road
DMS-2B (see Note 3)	Site boundary near Village House along Lok Ma
	Chau Road
DMS-3	Village House along Old Border Road
DMS-4A (see Note 4)	Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

 Table 3.1
 Location of Air Quality Monitoring Stations

Notes:

- 1. In view of the disturbance concerned by the villagers near the original air quality monitoring location DMS-1, an alternative location (DMS-1a) was proposed which was verified by IEC and agreed by EPD.
- 2. Monitoring at DMS-2 (originally proposed in the approved EM&A Manual) was denied during the baseline monitoring. An alternative location (DMS-2A) was proposed which was verified by IEC and agreed by EPD.
- 3. Alternative location (DMS-2B) was proposed due to DMS-2A is situated within the site area for upcoming road widening works which was verified by IEC and agreed by EPD.
- 4. Proposed replacement monitoring location for Air Sensitive Receiver (ASR) MTL-20 Village house in Ma Tso Lung (DMS-4A) as no work would be conducted near ASR MTL-20 due to exclusion of the original Eastern Connection Road (ECR) which was verified by IEC and agreed by EPD.

Monitoring Equipment

3.4 **Table 3.2** summarises the equipment used in the impact air monitoring programme. Copies of calibration certificates are attached in **Appendix C**.

Table 3.2Air Quality Monitoring Equipment

Monitoring Station(s)	Equipment	Model and Make	Quantity
DMS-3	HVS Sampler for 24-hour TSP monitoring	TISCH Model: TE-5170	2
DMS-4A	1-hour TSP Dust Meter	Met One Instruments: AEROCET-831	2

Monitoring Station(s)	Equipment	Model and Make	Quantity
	Calibrator	TISCH Model: TE-5025A	1
⁽¹⁾ DMS-2B ⁽²⁾ DMS-1a	Dust Meter for 1- hour and 24-hour TSP monitoring	Met One Instruments: AEROCET-831	2
DMS-4A	Wind Anemometer	DAVIS Model: Vantage PRO2 6152CUK	1

Remarks:

(1) Air quality monitoring has been conducted at DMS-2B (and suspended from DMS-2A) starting from 20 January 2023. Due to the complaint received from the nearby villager about the sound arising from HVS, dust meter was requested for air quality monitoring at DMS-2B starting from March 2023. IEC had no comment on the proposal of using dust meter for monitoring at DMS-2B.

(2) The power supply from the Village House at DMS-1a is not secured for operation of HVS. Therefore, dust meter for 24-hr TSP monitoring at DMS-1a was proposed to ensure the monitoring data collection. IEC had no comment on the proposal of using dust meter for 24-hr TSP monitoring at DMS-1a on 21 June 2022.

Monitoring Parameters and Frequencies

3.5 **Table 3.3** summarises the monitoring parameters and frequencies of impact dust monitoring during the course of the Project activities. The air quality monitoring schedule for the reporting month is shown in **Appendix D**.

 Table 3.3
 Impact Air Quality Monitoring Parameters and Frequencies

Parameters	Frequency
1-hr TSP	Three times in every 6 days
24-hr TSP	Once per 6 days

Monitoring Methodology and Quality Assurance/Quality Control (QA/QC) Procedure

24-hour TSP Air Quality Monitoring

Instrumentation

3.6 HVSs completed with appropriate sampling inlets were employed for 24-hour TSP monitoring. Each sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complies with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50).

HVS Installation

- 3.7 The following guidelines were adopted during the installation of HVS:
 - A horizontal platform with appropriate support was provided to secure the samplers against gusty wind;
 - No two samplers were placed less than 2 metres apart;
 - The distance between the sampler and an obstacle, such as buildings, was at least twice the height that the obstacle protruded above the sampler;

- A minimum of 2 metres of separation from walls, parapets and penthouses was required for rooftop samples;
- A minimum of 2 metres separation from any supporting structure, measured horizontally was required;
- No furnaces or incineration flues were nearby;
- Airflow around the sampler was unrestricted;
- The samplers were more than 20 metres from the drip line;
- Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring;
- Permission and access to the monitoring stations had been obtained to set up the samplers; and
- A secured supply of electricity was provided to operate the samplers.

Filters Preparation

- 3.8 Wellab Limited was the HOKLAS accredited laboratory (HOKLAS Registration No.083) and responsible for the preparation of 24-hr conditioned and pre-weighed filter papers for the monitoring team.
- 3.9 All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ± 3 °C; the relative humidity (RH) was < 50% and not variable by more than $\pm 5\%$. A convenient working RH was 40%.
- 3.10 Wellab Limited has comprehensive QA and QC programmes.

Operating/Analytical Procedures

- 3.11 Operating/analytical procedures for the air quality monitoring were highlighted as follows:
 - Prior to the commencement of the dust sampling, the flow rate of the HVS was properly set (between 1.1 m³/min. and 1.4 m³/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50;
 - The power supply was checked to ensure the sampler worked properly;
 - On sampling, the sampler was operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air quality monitoring station;
 - The filter holding frame was then removed by loosening the four nuts and carefully a weighted and conditioned filter was centered with the stamped number upwards, on a supporting screen;
 - The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges;
 - The shelter lid was closed and secured with the aluminum strip;
 - The timer was then programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper could be found out by using the filter number);
 - After sampling, the filter was removed and kept in a clean and tightly sealed plastic bag. The filter paper was then returned to the Wellab Limited for reconditioning in

the humidity-controlled chamber followed by accurate weighting by an electronic balance with a readout down to 0.1mg. The elapsed time was also recorded; and

• Before weighing, all filters were equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than $\pm 3^{\circ}$ C; the RH should be < 50% and not vary by more than $\pm 5\%$. A convenient working RH is 40%. Weighing results were returned for further analysis of TSP concentrations collected by each filter.

Maintenance/Calibration

- 3.12 The following maintenance/calibration was required for the HVS:
 - The high-volume motors and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition; and
 - All HVSs were calibrated (five-point calibration) using Calibration Kit prior to the commencement of the baseline monitoring and thereafter at bi-monthly intervals.

<u>1-hour and 24-hour TSP Air Quality Monitoring</u>

3.13 The measuring procedures of the dust meter are in accordance with the Manufacturer's Instruction Manual as follows:

(AEROCET-831)

- The 1-hour dust meter is placed at least 1.3 meters above ground.
- Press and hold the Power key momentarily to power on the unit and make sure that the battery level was not flash or in low level.
- Allow the instrument to stand for about 3 second to display the Sample Screen minutes.
- Press the START / STOP key to run the internal vacuum pump for 1 minute and ready to use.
- Use the select dial to select the PM range and press the START / STOP key to start a measurement.
- Finally, push the START/STOP key to stop the measuring after 1 hour sampling.
- For 24-hour TSP monitoring, the hold time was set for collection of 24-hour TSP samples. A separate automotive battery was used to support the dust meter for 24-hour TSP monitoring.
- Information such as sampling date, time, value and site condition were recorded during the monitoring period.
- All data were recorded in the data logger for further data processing.

Maintenance/Calibration

3.14 The following maintenance/calibration is required for the direct dust meters:

• Check and calibrate the meter by HVS to check the validity and accuracy of the results measured by direct reading method prior to the commencement of the baseline monitoring. Dust meter will be checked and calibrated at bi-monthly intervals throughout the air quality monitoring period, if necessary.

Results and Observations

3.15 The monitoring results for 1-hour TSP and 24-hour TSP are summarised in **Table 3.4** and **Table 3.5** respectively. Detailed monitoring results and graphical presentations of 1-hour and 24-hour TSP monitoring results are shown in **Appendix E** and **Appendix F** respectively.

Table 3.4	Summary Table of 1-hour TSP Monitoring Results during the
	Reporting Month

Monitoring Station		centration 1g/m³)	Action Limit Lev – Level, μg/m ³ μg/m ³	Limit Level,
Station	Average Range		Level, µg/m	μg/m [*]
DMS – 1a	41.0	10.3 - 71.6	353	
DMS – 2B	42.5	11.9 - 79.1	370	500
DMS-3	38.3	15.4 - 71.1	351	500
DMS-4A	32.2	18.3 - 43.0	350	

Table 3.5	Summary Table of 24-hour TSP Monitoring Results during the
	Reporting Month

Monitoring Station Concentration (µg/m ³)		Action Level, μg/m ³	Limit Level, µg/m³	
Station	Average	Range	Level, µg/m	μg/III
DMS-1a	32.1	15.7 - 59.5	184	
DMS – 2B	30.8	11.5 - 47.6	166	260
DMS - 3	17.4	14.1 - 21.3	166	260
DMS-4A	19.4	13.9 - 22.7	152	

- 3.16 All 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 3.17 All 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 3.18 According to our field observations, the major dust source identified at the designated air quality monitoring stations in the reporting month are as follows:

Table 3.6Observation at Air Quality Monitoring Stations

Monitoring Station	Major Dust Source
DMS-1a	Road traffic, exposed site area, site vehicle / equipment movement
DMS-2B	Road traffic, exposed site area, site vehicle / equipment movement
DMS-3	Road traffic
DMS-4A	Road traffic

- 3.19 The wind speed and wind direction were recorded by the installed Wind Anemometer set at DMS-4A. The location is shown in **Figure 2**.
- 3.20 The general weather condition and the wind data for the reporting month are summarised in **Appendix I**.

Event and Action Plan

3.21 Should any project related non-compliance of the criteria occur, action in accordance with the Event Action Plan in **Appendix J** shall be carried out.

4 NOISE MONITORING

Monitoring Requirements

4.1 In accordance with the EM&A Manual, four noise monitoring stations, namely NMS-1, NMS-2, NMS-3 and NMS-4A were selected for impact monitoring for the Project. Impact noise monitoring was conducted for at least once per week during the construction phase of the Project. Appendix B shows the established Action / Limit Levels for the noise monitoring works.

Monitoring Location

4.2 Impact noise monitoring was conducted at the 4 monitoring stations under the Project, as shown in **Figure 3**. **Table 4.1** describes the locations of the noise monitoring stations.

Monitoring Station	Location	Measurement
NMS-1	Village house in Ha Wan Tsuen	Façade Measurement
NMS-2	Village house along existing Ha Wan Tsuen	Free Field
NMS-3	Village house along Old Border Road	Free Field
NMS-4A (see Note 1)	Hong Kong Police Force, Lok Ma Chau	Free Field
	Operation Base at Horn Hill	measurement

Table 4.1Location of Noise Monitoring Stations

Note:

1. Proposed replacement monitoring location for Noise Sensitive Receiver (NSR) MTL-20 – Village house in Ma Tso Lung (NMS-4A) as no work would be conducted near NSR MTL-20 due to exclusion of the original ECR.

Monitoring Equipment

4.3 **Table 4.2** summarises the noise monitoring equipment. Copies of calibration certificates are provided in **Appendix C**.

Table 4.2Noise Monitoring Equipment

Equipment	Model	Quantity
Integrating Sound Level Meter	BSWA 308	1
Calibrator	SVANTEK SV 30A	1

Monitoring Parameters, Frequency and Duration

4.4 **Table 4.3** summarises the monitoring parameters, frequency and total duration of monitoring. The noise monitoring schedule is shown in **Appendix D**.

Monitoring Stations	Parameter	Duration	Frequency
NMS-1 NMS-2 NMS-3 NMS-4A	L10(30 min.) dB(A) L90(30 min.) dB(A) Leq(30 min.) dB(A) (as six consecutive Leq, 5min readings)	0700-1900 hrs on normal weekdays	Once per week

Table 4.3	Noise Monitoring	Parameters,	Duration an	nd Frequency

Remarks:

A-weighted equivalent continuous sound pressure level (L_{eq}). 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.

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

 L_{90} 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

- The microphone head of the sound level meter was positioned at 1m from the exterior of the noise sensitive facade and lowered sufficiently so that the building's external wall acted as a reflecting surface;
- The battery condition was checked to ensure the correct functioning of the meter;
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:

frequency weighting	: A
time weighting	: Fast
time measurement	: L _{eq} (30 min.) dB(A)
	(as six consecutive Leq, 5min readings) during
	non-restricted hours (i.e. 0700-1900 hrs on
	normal weekdays)
	time weighting

- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1.0 dB, the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment;
- During the monitoring period, the L_{eq} , L_{90} and L_{10} were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet;
- Noise measurement was paused temporarily during periods of high intrusive noise (e.g. dog barking, helicopter noise) if possible and observation record during measurement period should be provided; and
- Noise monitoring was cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s. The wind speed should be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

Maintenance and Calibration

- 4.5 The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.
- 4.6 The sound level meter and calibrator were checked and calibrated at yearly intervals.

4.7 Immediately prior to and following each noise measurement, the accuracy of the sound level meter should be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements would be accepted as valid only if the calibration levels before and after the noise measurement agreed to within 1.0 dB.

Results and Observations

4.8 The noise monitoring results are summarised in **Table 4.4**. Detailed monitoring results and graphical presentations of noise monitoring are shown in **Appendix G**.

Table 4.4Summary Table of Noise Monitoring Results during the Reporting
Month

Monitoring Station	Noise Level, L _{eq (30min)} dB(A)		Action Level	Limit Level
Monitoring Station	Average	Range	Action Level	Linin Level
NMS-1	60.9	58.0 - 64.1	When one	
NMS-2	70.5	69.0 - 72.5	documented	$75 \text{ AD}(\Lambda)$
NMS-3	59.5	58.0 - 61.2	complaint is 75 dB(A)	/3 dB(A)
NMS-4A	55.4	55.2 - 55.8	received.	

Remark: +3dB(A) façade correction included

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

- 4.9 All noise monitoring was conducted as scheduled in the reporting month. One Action Level exceedance was recorded due to the noise complaint received in the reporting month. No Limit Level exceedance was recorded.
- 4.10 According to our field observations, the major noise source identified at the designated noise monitoring stations in the reporting month are as follows:

Table 4.5Observation at Noise Monitoring Stations

Monitoring Station	Major Noise Source
NMS-1	Excavation works, loading and unloading works, site vehicle / equipment movement
NMS-2	Excavation works, loading and unloading works, site vehicle / equipment movement
NMS-3	Road traffic
NMS-4A	Road traffic

Event and Action Plan

4.11 Should any project related non-compliance of the criteria occur, action in accordance with the Event Action Plan in **Appendix J** shall be carried out.

5 WATER QUALITY MONITORING

Monitoring Requirements

- 5.1 According to the EM&A Manual, impact water quality monitoring shall be carried out three days per week during the construction period. The interval between two sets of monitoring shall not be less than 36 hours.
- 5.2 Replicate in-situ measurements and samples collected from each independent sampling event shall be collected to ensure a robust statistically interpretable database.
- 5.3 Impact water quality monitoring was conducted at three depths (i.e. 1m below surface, mid-depth and 1m above river bed, except where the water depth was less than 6m, mid-depth station might be omitted. Should the water depth be less than 3m, only the mid-depth station was monitored) dissolved oxygen (DO) concentration, DO saturation, suspended solids (SS), turbidity, pH, salinity and temperature were monitored in accordance with the requirements set out in the EM&A Manual.
- 5.4 **Appendix B** shows the established Action and Limit Levels for the water quality monitoring work.

Monitoring Locations

- 5.5 Impact water quality monitoring was conducted at 6 monitoring stations under the Project, which is summarised in **Table 5.1**. The locations of monitoring stations are shown in **Figure 4**.
- 5.6 Based on the updated construction programme under Contract No. YL/2017/03, the waterbased construction works for temporary vehicular bridge was completed on 7th April 2021 which was confirmed by Engineer Representative under Contract No. YL/2017/03 via email dated 15th June 2021. The additional monitoring station, BS1 was therefore proposed to be deleted from the water quality monitoring proramme starting from 28th June 2021. Other water quality monitoring stations remain unchanged. This Proposal for Update of Water Quality Monitoring Stations was verified by IEC and agreed by EPD via email dated 22nd June 2021.

Monitoring Station	Location	Nature of the Location
CS1	Control Station at Old Shenzhen River	Control Station at Meander
IS1	Impact Station at Old Shenzhen River	Impact Station at Meander
IS2	Impact Station at Old Shenzhen River	Impact Station at Meander
IS4	Impact Station at Ping Hang Stream	Reference Station
CS5	Control Station at south of Lung Hau	Control Station for IS6
IS6	Impact Station near Lung Hau Road	Impact Station
⁽¹⁾ BS1	Impact Station at Old Shenzhen River Meander	Additional impact station for temporary vehicular bridge

Table 5.1Location for Water Quality Monitoring Stations

Note:

 Terminated starting from 28th June 2021 according to Proposal for Update of Water Quality Monitoring Stations (approved by EPD on 22nd June 2021).

Monitoring Equipment

Instrumentation

5.7 A multi-parameter meters (Model YSI EXO) were used to measure DO, turbidity, salinity, pH and temperature.

DO and Temperature Measuring Equipment

- 5.8 The instrument for measuring DO and temperature was portable and weatherproof complete with cable, sensor, comprehensive operation manuals and use DC power source. It was capable of measuring:
 - A DO level in the range of 0-20 mg/L and 0-200% saturation; and
 - A temperature of 0-45 degree Celsius.
- 5.9 It had a membrane electrode with automatic temperature compensation complete with a cable.
- 5.10 Sufficient stocks of spare electrodes and cables were available for replacement where necessary.
- 5.11 Salinity compensation was built-in in the DO equipment.

Turbidity

5.12 Turbidity was measured in-situ by the nephelometric method. The instrument was portable and weatherproof using a DC power source complete with cable, sensor and comprehensive operation manuals. The equipment was capable of measuring turbidity between 0-1000 NTU. The probe cable was not less than 25m in length. The meter was calibrated in order to establish the relationship between NTU units and the levels of SS. The turbidity measurement was carried out on split water sample collected from the same depths of SS samples.

Sampler

5.13 A water sampler, consisting of a transparent Polyvinyl Chloride (PVC) of a capacity of not less than two litres which could be effectively sealed with cups at both ends was used. The water sampler had a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler was at the selected water depth. In addition, a self-made sampling bucket was also used for sampling at the monitoring station with shallow water.

Water Depth Detector

5.14 A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.

<u>pH</u>

5.15 The instrument was consisting of a potentiometer, a glass electrode, a reference electrode and a temperature-compensating device. It was readable to 0.1pH in a range of 0 to 14. Standard buffer solutions of at least pH 7 and pH 10 were used for calibration of the instrument before and after use.

<u>Salinity</u>

5.16 A portable salinometer capable of recording salinity within the range of 0-40 ppt was used for salinity measurements.

Sample Container and Storage

- 5.17 Following collection, water samples for laboratory analysis were stored in high density polythene bottles (250ml/1L) with no preservatives added, packed in ice (cooled to 4 C without being frozen) and kept in dark during both on-site temporary storage and shipment to the testing laboratory. The samples were delivered to the laboratory as soon as possible and the laboratory determination work was started within 24 hours after collection of the water samples. Sufficient volume of samples was collected to achieve the detection limit.
- 5.18 **Table 5.2** also summarises the type of sampling bottle and preservation method for laboratory testing.

Table 5.2Types of Sampling Bottle and Preservation Method

Parameter	Preservation Method	Type of Sample Container
Total SS	Refrigerate	1 litre plastic bottle

Calibration of In-Situ Instruments

- 5.19 All in-situ monitoring instruments were checked, calibrated and certified by Wellab Limited before use, and subsequently re-calibrated at 3-month intervals throughout all stages of the water quality monitoring programme. Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for a DO meter was carried out before measurement at each monitoring event.
- 5.20 For the on-site calibration of field equipment (Multi-parameter Water Quality System), the BS 1427:2009, "Guide to on-site test methods for the analysis of waters" was observed.
- 5.21 Sufficient stocks of spare parts were maintained for replacement when necessary. Backup monitoring equipment was also being made available so that monitoring could proceed uninterrupted even when some equipment was under maintenance, calibration, etc.
- 5.22 The equipment used for impact water quality monitoring is shown in **Table 5.3** and copies of the calibration certificates are shown in **Appendix C**. All the monitoring equipment complied with the requirements set out in the EM&A Manual.

Table 5.3	Water Quality Monitoring Equipment
-----------	------------------------------------

Equipment	Model and Make	Quantity
Sonar Water Depth Detector	Garmin Fishfinder 140 / Garmin Striker plus 4	1
Water Sampler	A 2-litre transparent PVC cylinder with latex cups at both ends or self-made sampling bucket	1
Multi-parameter Water Quality System	YSI EXO 1	3

Monitoring Parameters and Frequency

5.23 **Table 5.4** summarises the monitoring parameters, monitoring depths and frequency of the water quality monitoring. The water quality monitoring schedule for the reporting month is shown in **Appendix D**.

Monitoring Station	Parameter (unit)	Depth	Frequency
CS1, IS1, IS2, IS4, CS5, IS6	 Temperature(°C) pH (pH unit) turbidity (NTU) water depth (m) salinity (ppt) DO (mg/L and % of saturation) SS (mg/L) 	 3 water depths: 1m below water surface, mid-depth and 1m above river bed. If the water depth was less than 3m, mid-depth sampling only. If water depth was less than 6m, mid-depth might be omitted. 	• 3 days per week during the construction period of the Project

Table 5.4Water Quality Monitoring Parameters, Depths and Frequency

5.24 Monitoring location/position, time, water depth, sampling depth, pH, salinity, DO saturation, water temperature, tidal stages, weather conditions and any special phenomena or work underway nearby were recorded.

Monitoring Methodology

Instrumentation

5.25 A multi-parameter meters (Model YSI EXO) were used to measure DO, turbidity, salinity, pH and temperature.

Operating/Analytical Procedures

5.26 At each measurement, two consecutive measurements of DO concentration, DO saturation, salinity, turbidity, pH and temperature were taken. The probes were retrieved out of the water after the first measurement and then re-deployed for the second measurement. Where the difference in the values between the first and second readings of each set was more than 25% of the value of the first readings, this set of readings was discarded and further readings were taken.

Laboratory Analytical Methods

5.27 The testing of all parameters was conducted by Wellab Limited for the water samples and comprehensive QA and QC procedures were in place in order to ensure the quality and consistency of results. The testing method, reporting limit and detection limit are provided in **Table 5.5**.

Determinant	Instrumentation	Analytical Method	Limit of Reporting	Detection Limit
SS	Weighing	APHA 17ed 2540 D	2.5 mg/L	0.5 mg/L

Table 5.5Laboratory Analysis Method for Water Samples

Remark: The limit of reporting, 2.5mg/L has been adopted during baseline water quality monitoring stage

QA/QC Requirements

Decontamination Procedures

5.28 Water sampling equipment used during the course of the monitoring programme was decontaminated by manual washing and rinsed clean seawater/distilled water after each sampling event. All disposal equipment was discarded after sampling.

Sampling Management and Supervision

- 5.29 All sampling bottles were labelled with the sample identity laboratory number and sampling date. Water samples were dispatched to the testing laboratory for analysis as soon as possible after the sampling. All samples were stored in a cool box and kept at less than 4°C but without frozen. All water samples were handled under chain of custody protocols and relinquished to the laboratory representatives at locations specified by the laboratory.
- 5.30 The laboratory determination work was started as soon as possible after collection of the water samples.

QC Measures for Sample Testing

- 5.31 The sample testing and following QC programme were performed by Wellab Limited for every batch of 20 samples:
 - \diamond One method blank; and
 - \diamond One set of QC samples.

Maintenance and Calibration

5.32 All in-situ monitoring instruments were checked, calibrated and certified by Wellab Limited before use, and subsequently re-calibrated at 3-month intervals throughout all stages of the water quality monitoring programme.

Results and Observations

- 5.33 The monitoring results and graphical presentation of water quality at the monitoring stations are shown in **Appendix H.**
- 5.34 The summary of exceedance recorded in the reporting month is shown in **Appendix K** and summarised in the **Table 5.6**.

Station	Exceedance Level	DO	Turbidity	SS	Total Number of Non-project Related Exceedances	Total Number of project Related Exceedances
IS1	Action Level	0	0	0	0	0
	Limit Level	0	0	0	0	0
IS2	Action Level	0	0	0	0	0
	Limit Level	0	0	0	0	0
IS4	Action Level	0	0	0	0	0
	Limit Level	0	0	0	0	0
IS6	Action Level	0	0	0	0	0
	Limit Level	0	0	0	0	0
Total	Action Level	0	0	0	0	0
Total	Limit Level	0	0	0	0	0

Table 5.6Summary of Water Quality Exceedances

- 5.35 Water quality monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 5.36 No water quality monitoring was conducted at IS6 in the reporting month since the channel was dry. Water quality monitoring station, IS6 will be further reviewed and a proposal for any alternative monitoring location including justification will be submitted for approval from IEC and EPD.





Event and Action Plan

5.35 Should any project related non-compliance of the criteria occur, action in accordance with the Event Action Plan in **Appendix J** shall be carried out.

6 ECOLOGICAL MONITORING

LMC Loop

Monitoring Requirements (Avifauna Monitoring – Flight Line Survey)

Monitoring Requirements

- 6.1 As required under Section 11.4.1.1 of EM&A Manual, flight line corridor survey was required from the beginning of work until 12 months after the establishment of the Ecological Area or completion of work on the Western Connection Road, whichever was the later.
- 6.2 The purpose of the survey was to identify the number and species composition of birds using the flight line and monitor if there was any impact from construction works.

Monitoring Frequency

6.3 Flight line survey is required to be carried out on monthly basis.

Monitoring Location

6.4 The flight line corridor survey work should be carried out at the Lok Ma Chau Lookout, according to Section 11.4.1.1 of the EM&A Manual. The location at Lok Ma Chau Lookout is shown in **Figure 5a**.

Monitoring Methodology

- 6.5 Flight lines of birds through the area were surveyed once monthly at Lok Ma Chau Lookout, adjacent to the Loop.
- 6.6 Observations were carried out at Lok Ma Chau Lookout for two hours from 30 minutes before sunrise in the early morning.
- 6.7 During the survey, the surveyor marked on a standard map for the estimated location of the flight path used by waterbird species, birds of prey or other larger species of conservation interest passing through the area. Flights involving short hops from point to point were not recorded. The focus was on the flight line corridor over the Loop or the southwest section of old Shenzhen River meander.
- 6.8 During the survey, species generally commensal with man (e.g. Black-collared Starling), common and widespread in HK (e.g. Crested Myna) or small in size and not prone to following flight lines en masse (e.g. Barn Swallow) were ignored in order to concentrate on species of conservation interest and/or those prone to using flight lines (e.g. large waterbirds).
- 6.9 For each observation of birds in flight, the number, the species and their height above the ground were recorded. Height above the ground was estimated in relation to the level of the Loop and adjacent fish pond area, and/or the location of the observer.

- 6.10 Given the difficulty of accurately measuring height above ground from a distance, three height classes were used: 10m, 20m and 30m or above. In practice, this means birds were assigned to ranges of 5-15m (10m height class), 15-25m (20m height class) and 25m or above (30m height class). Approximate heights of observation points were 40m at Lok Ma Chau Lookout.
- 6.11 Flight line locations marked on the maps were then overlain with a 100m grid, each square having a unique number.
- 6.12 The number of birds of each species passing through each 100m grid (the number of "bird-flights") and their height above ground were then entered into an Excel spreadsheet. These data were then mapped, and on the figures produced a greater intensity of colour indicated a higher number of birds, as shown in **Figure 6**.

Monitoring Day

6.13 The flight line survey was carried out on 16th June 2023. Sunrise time at 5:39 am and the survey started at 5:09 am and lasted for 2 hours. The weather was rainy throughout the survey.

Monitoring Result

6.14 Total number of birds observed was 57. Five species were included in the record of the flight line survey, including Little Egret, Great Egret, Chinese Pond Heron, Blackcrowned Night Heron and Grey Heron. **Table 6.1** shows the summary of the number of birds observed in this Survey.

Species	Number of Birds	Height class 1	Height Class 2	Height Class 3
Little Egret 小白鷺	18	0	9	9
Great Egret 大白鷺	28	2	12	14
Chinese Pond Heron 池鷺	7	0	5	2
Black-crowned Night Heron 夜鷺	3	0	3	0
Grey Heron 蒼鷺	1	0	0	1
Total	57	2	29	26

Table 6.1Number of Birds Observed

- 6.15 The total number of bird-flights (number of birds of each species passing through each 100m square) observed across all 100m grid squares was 600. Table 6.2 shows the number of bird-flights for the five species respectively.
- 6.16 The distribution of flight line usage in this survey is shown in Figure 6.
- 6.17 Flight lines recorded were in general concentrated mainly on LMC Meander and adjacent areas including Ecological Area Zone (EA Zone) and along Shenzhen River. It demonstrates that the large waterbirds prefer using the flight line corridor above the LMC Meander as well as the unaffected Shenzhen River instead of the centre of LMC Loop.

Species	Total number of Bird-Flights
Little Egret 小白鷺	186
Great Egret 大白鷺	309
Chinese Pond Heron 池鷺	65
Black-crowned Night Heron 夜鷺	31
Grey Heron 蒼鷺	9
Total	600

Table 6.2Number of Bird-flights

Monitoring Requirements (Mammals)

Monitoring Requirements

- 6.18 As required under Section 11.4.1.2 of the EM&A Manual, monitoring of mammals are required for Eurasian Otter, other mammals and dogs during the site formation and establishment period of Ecological Area.
- 6.19 The purpose of the monitor is to observe the connectivity between the reed marsh in the LMC Loop and the Ecological Area, and if there was any sign of otter and mammals around the Ecological Area.

Monitoring Location

6.20 Three cameras should be placed where accessible, facing towards the Ecological Area and the Loop. The locations of cameras are subject to the project progress and result of the survey.

Monitoring Methodology

6.21 Monitoring of Eurasians Otter is notoriously difficult due to their secretive and nocturnal habits in Hong Kong. Therefore, remote-sensing (infra-red flash) cameras shall be used to detect any signs of Eurasian Otter and mammals.

Monitoring Results

- 6.22 In view of current site condition of Loop, the connectivity between the reed marsh in the LMC Loop and the EA Zone has been fenced off due to other project's land occupier. In addition, 12-month establishment period of EA zone has also been completed.
- 6.23 The mammals monitoring in the Loop was therefore temporarily suspended since March 2022 and will be resumed subject to the site condition.

Western Connection Road

Monitoring Requirements (Avifauna Monitoring – Flight Line Survey)

6.24 Refer to Sections 6.1 to 6.17.

Monitoring Requirements (Avifauna Monitoring – Pond 12)

Monitoring Requirements

- 6.25 As required under Section 11.4.2.1 of EM&A Manual, weekly counts of the number and species of bird using Pond 12 was required from the beginning of work until 12 months after the establishment of the Ecological Area or completion of work on the Western Connection Road, whichever is the later.
- 6.26 The purpose of the survey was to identify the number and species composition of birds using Pond 12 to ensure there would be no impacts greater than predicted from construction works.

Monitoring Frequency

6.27 Pond 12 avifauna survey is required to be carried out on a weekly basis.

Monitoring Location

6.28 Monitoring of avifauna was conducted at Pond 12. Location of Pond 12 is shown in Figure 5a.

Monitoring Methodology

- 6.29 The species and number of birds using Pond 12 were surveyed weekly. Each weekly survey started before the commencement of works of the day, and ended 1 hour after works had begun.
- 6.30 During the survey, the surveyor would identify and count each bird using Pond 12 with a pair of binoculars and a camera. The abundance and species of the identified birds would be recorded.

Monitoring Result

6.31 Pond 12 avifauna surveys were carried out weekly in the reporting month.

Dates of pond 12 avifauna survey: 1st, 5th, 14th, 23rd and 26th June 2023

- 6.32 In total, 257 individuals from 34 avifauna species were recorded at Pond 12 in the reporting month. The detailed results are shown in **Appendix R1**.
- 6.33 The monitoring results during construction works were compared against the results before the commencement of works of the day. The number of bird species and the abundance of birds recorded at Pond 12 during construction were higher than the results prior to the construction works. (Refer to **Table 6.3**).

	Number	of Species	Abundance		
Monitoring Date	Before Construction	During Construction	Before Construction	During Construction	
1 st June 2023	10	13	24	33	
5 th June 2023	6	15	12	35	
14 th June 2023	7	16	12	35	
23 rd June 2023	10	18	26	41	
26 th June 2023	3	14	11	28	

Table 6.3Summary of Avifauna Monitoring Results at Pond 12

6.34 The monitoring results indicated Pond 12 was utilized by waterbirds and wetlanddependent species in the reporting month. No significant impact of construction activities on bird use of the pond was observed.

Herpetofauna

Monitoring Requirements

- 6.35 Under Section 11.4.2.2 of EM&A Manual, monitoring of the only herpetofauna species of conservation interest in the area around pond 12, the Chinese Bullfrog, should be conducted before and during the whole construction period.
- 6.36 The purpose of the survey was to ensure the abundance of the Chinese Bullfrog in the area of Pond 12, LMC Tsuen, and nearby wetlands is not affected by construction works.

Monitoring Frequency

6.37 Herpetofauna monitoring was conducted once monthly during wet season (March to October), including both day-time and night-time survey.

Monitoring Location

6.38 Herpetofauna monitoring was conducted along the designated transect around Pond 12, LMC Tsuen, as well as any nearby wetlands within a 100m radius into which disturbed bull frog may move. Location of the Herpetofauna survey transect is shown in **Figure 5b** for reference.

Monitoring Methodology

6.39 Survey along the transect was conducted once during daytime, and once during night time. Surveyors would actively search for presence of tadpoles, froglets or adults in potential habitats (such as ditches, ponds, marshes and wet agricultural land) through direct observation, or identification of vocalisations.

Monitoring Result

6.40 Herpetofauna survey was carried out once in the reporting month.

Date of Herpetofauna survey:	14 th June 2023 (both
	day-time and night-
	time survey)

6.41 No potential impact due to the construction activities of Western Connection Road was identified during the survey of Chinese Bullfrog in the reporting month. It was observed that the shallow agricultural ponds where Chinese Bullfrog were recorded has been altered into relatively dry agricultural lands, which may have an effect on the local Chinese Bullfrog population. The detailed results are shown in **Appendix R2**.

Aquatic Fauna

Monitoring Requirements

- 6.42 Under Section 11.4.2.3 of EM&A Manual, surveys of the population of Rose Bitterling at streams and associated ponds south of Lung Hau Road and monitoring of water quality are required to identify potential impacts.
- 6.43 The purpose of the survey was to ensure the population of Rose Bitterling at the stream and associated ponds south of Lung Hau Road as well as the water quality at the area where Rose Bitterling is present are not affected by construction works.

Monitoring Frequency

- 6.44 Monitoring of Rose Bitterling population was conducted monthly during the construction period of WCR to identify potential impacts.
- 6.45 *In situ* monitoring of water quality was conducted weekly at the stream and associated ponds south of Lung Hau Road where Rose Bitterling is present, and whole site audit was carried out at the construction site to identify potential impacts on the stream.
- 6.46 *In situ* monitoring of water quality in LMC Meander was conducted weekly during the construction phase and the first 12 months of operation.

Monitoring Location

- 6.47 Monitoring of Rose Bitterling and *in situ* monitoring of water quality were conducted at the stream and associated ponds south of Lok Ma Chau Road where Rose Bitterling is present. There are 4 sampling points along the stream, and 4 sampling points at the ponds. The sampling locations are shown in **Figure 5c**.
- 6.48 *In situ* monitoring of water quality in LMC Meander was conducted at 3 monitoring stations, including CS1, IS1 and IS2, as stated in Section 6.3 of the EM&A Manual. The monitoring stations are shown in **Figure 4**.

Monitoring Methodology

- 6.49 Monitoring of Rose Bitterling was conducted by bankside observation with the aid of binoculars, for 5 minutes at each sampling point. After bankside observation, sweep netting was also carried out at each sampling point, if feasible.
- 6.50 The number of Rose Bitterling observed on bankside and by sweep netting at each sampling location was recorded. Other human activities or change in environment that may affect the survey result will be specified, if any.
- 6.51 Measurements for *in situ* monitoring of water quality include temperature, pH, salinity, turbidity and dissolved oxygen. Monitoring equipment for water quality monitoring is presented in Section 5.

Monitoring Result

6.52 Aquatic fauna survey was carried out once and weekly *in situ* water quality monitoring was conducted in the reporting month.

Date of Aquatic Fauna Survey:	23 rd June 2023
	LMC Meander
Date of Water Quality Monitoring for	3^{rd} , 5^{th} , 7^{th} , 9^{th} , 12^{th} , 14^{th} , 16^{th} , 19^{th} , 21^{st} , 23^{rd} , 26^{th} , 28^{th} and 30^{th} June 2023
Aquatic Fauna	Stream and associated ponds south of Lung Hau Road
	5 th , 16 th , 23 rd and 28 th June 2023

- 6.53 No potential impact due to the runoff from the construction activities of the Western Connection Road was identified during the survey of Aquatic Fauna in the reporting month. In addition, no deterioration in the water quality due to the construction activities of the Western Connection Road was observed.
- 6.54 The detailed aquatic fauna (Rose Bitterling) results and *In situ* water quality monitoring results at the stream and associated ponds south of Lung Hau Road are shown in **Appendices R3** and **R4** respectively.
- 6.55 *In situ* water quality monitoring results in LMC Meander at 3 monitoring stations, including CS1, IS1 and IS2 are presented in Section 5 and **Appendix H**. No Action/Limit level exceedance was recorded in the reporting month.

7 LAND CONTAMINATION

General

7.1 According to the EM&A Manual Section 8.2 and the details of the remediation and associated testing referred to in Chapter 8 of the EIA Report (AEIAR-176/2013), five (5) arsenic-contaminated zones were identified within the Loop. The estimated depth and volume of contaminated soil for each remediation zone are listed in **Table 7.1** below.

Contamination Zone ID in EIA	Contamination Hot Spot	Estimated Vertical Extent of Contamination	Estimated Thickness (m)	Estimated Area of Contamination Zone (m ²)	Volume of
A-S24	LD-001	2.5m to 4.0m below existing ground level	1.5	4001	6002
A-SG10	LD-002	4.0m to 5.5m below existing ground level	1.5	3520	5280
A-S20	LD-003	2.5m to 4.0m below existing ground level	1.5	4989	7484
A-S03	LD-004-A	2.5m to 4.0m below existing ground level	1.5	4580	6870
A-S03a1	LD-004-B	4.0m to 5.5m below existing ground level	1.5	4452	6678
A-S03c1	LD-004-C	1.0m to 2.5m below existing ground level	1.5	5601	8402
A-S01	LD-005	2.5m to 5.5m below existing ground level	3.0	5576	16728

 Table 7.1
 Detailed Contamination Information for Designated Remediation Areas

7.2 Based on the Contract requirements, "Solidification / Stabilisation" was the recommended treatment method to remediate all contaminated soils and Portland cement was proposed to be used for the contaminated soil treatment. The target of soil remediation is listed in **Table 7.2**.

 Table 7.2 Contaminant Solidification & Stabilisation Target for Cement Solidification /

 Stabilisation (CS/S)

Contaminant	Toxicity Characteristic Leaching Procedure (TCLP) Limit of Arsenic	Unconfined Compressive Strength (UCS)
Metal – Arsenic	\leq 5 mg/L	≥1 Mpa

7.3 Trial of CS/S was undertaken between April and June 2019 and the second trial was conducted in August 2019. According to trial performance results, cement / soil ratios of 10% and 7.5% could achieve the remediation target and these ratios had been adopted for the subsequent remediation work. The proposed cement/soil ratios were accepted by

relevant parties before the remediation work started. The contaminated soil excavation and remediation commenced on site in mid-July 2019.

Remediation Work Progress in the Reporting Month

- 7.4 As advised by the Contractor, Decontamination for all Hotspots (LD01 LD05) was completed and backfilling of treated soil was completed on 31 May 2021. After completion of remediation works at each hot spots, Interim Remediation Reports (IRR) would be prepared by the Land Contamination Specialist and submitted to EPD in accordance with Condition 2.16 of the EP-477/2013/A. The status of IRRs are summarised below.
 - (a) IRR for hot spot LD-001 endorsed by EPD on 6th January 2020
 - (b) IRR for hot spot LD-003 endorsed by EPD on 18th March 2020
 - (c) IRR for hot spot LD-002 commented by EPD on 3rd September 2020 and resubmitted by Contractor on 16th September 2020
 - (d) IRR for hot spot LD-005 endorsed by EPD on 23rd October 2020
 - (e) Final Remediation Report including the result of hotpsot LD-004 was submitted to EPD on 28th June 2021. The final Remediation Report was approved by EPD with minor comments in August 2021.
- 7.5 No work related to land contamination was conducted in the reporting month.

8 WASTE MANAGEMENT

General

8.1 Waste management was carried out in accordance with the Waste Management Plan (WMP) for the Project.

Solid and Liquid Waste Management Status

8.2 The amount of waste generated by the activities of the Project in the reporting month is shown **Table 8.1**.

Contract(s)	Contract(s) Waste Type			Disposal / Dumping
contract(s)			Quantity this month	Grounds
		Reused in this Contract (Inert) (in '000 m ³)	0	N/A
Contract No. YL/2020/01		Reused in other Contracts/ Projects (Inert) (in '000 m ³)	0	N/A
		Disposal as Public Fill (Inert) (in '000 m ³)	0.831	N/A
		Reused in this Contract (Inert) (in '000 m ³)	0	N/A
Contract No. YL/2020/02	Inert	Reused in other Contracts/ Projects (Inert) (in '000 m ³)	0	N/A
		Disposal as Public Fill (Inert) (in '000 m ³)	0.828	N/A
		Reused in this Contract (Inert) (in '000 m ³)	0	N/A
Contract No. YL/2021/01		Reused in other Contracts/ Projects (Inert) (in '000 m ³)	0	N/A
		Disposal as Public Fill (Inert) (in '000 m ³)	1.196	N/A
		Recycled Metal ('000kg)	0	N/A
Contract No.		Recycled Paper / Cardboard Packing ('000kg)	0.142	N/A
YL/2020/01		Recycled Plastic ('000kg)	0	N/A
		Chemical Wastes ('000kg)	0	N/A
		General Refuses ('000m ³)	0.016	NENT Landfill
		Recycled Metal ('000kg)	0.002	N/A
Contract No.	Non-	Recycled Paper / Cardboard Packing ('000kg)	0.055	N/A
YL/2020/02	inert	Recycled Plastic ('000kg)	0.018	N/A
		Chemical Wastes ('000kg)	0	N/A
		General Refuses ('000m ³)	0.076	NENT Landfill
		Recycled Metal ('000kg)	0	N/A
Contract No.		Recycled Paper / Cardboard Packing ('000kg)	0	N/A
YL/2021/01		Recycled Plastic ('000kg)	0	N/A
		Chemical Wastes ('000kg)	0	N/A
		General Refuses ('000m ³)	0.001	NENT Landfill

 Table 8.1
 Quantities of Waste Generated in the Reporting Month

^{8.3} The amount of waste generated by the construction works of the Project in Waste Flow Table during the reporting month is shown in **Appendix O**.

9 ENVIRONMENTAL SITE INSPECTION

Site Audits

- 9.1 Site audits were carried out by ET on weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures on the Project site. The summaries of site audits are attached in **Appendix L**.
- 9.2 Site audits were conducted by ET with the representative of the Consultants, the Contractor and IEC on 5th, 7th, 12th, 14th, 19th, 21st, 26th and 28th June 2023 in the reporting month. Summary of site audits under the Project are presented in **Table 9.1**. The details of observations during site audit are shown in **Table 9.2**.

Table 9.1Summary of Site Audits

Contract(s)	Date(s) of Site Environmental Audit
Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1	7 th , 14 th , 21 st and 28 th June 20233
Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1	7 th , 14 th , 21 st and 28 th June 2023
Contract No.: YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2	5 th , 12 th , 19 th and 26 th June 2023

9.3 During site inspections in the reporting month, no non-conformance was identified. The observations and recommendations made during the audit sessions are summarised in **Table 9.2**.

Parameters	Date	Observations and Recommendations	Follow-up
Contract No. YL	/2020/01		
Air Quality and	7/06/2023	The site exit / entrance at WCR (near Pond 10) should be paved.	The site exit / entrance has been paved by the Contractor as observed during follow-up audit session on 14/06/2023.
Water Quality	21/06/2023	provided for the dusty materials	this item in the following audit
Noise		No major environmental deficiency was identified during the reporting month	
Water Quality	7/06/2023	surrounded by silt curtain completely.	area by the Contractor as observed during follow-up audit session on 14/06/2023.
	21/06/2023	The silt curtain should be deployed to enclose the works area of meander	The silt curtain were properly maintained as observed during

Table 9.2Observations and Recommendations of Site Audit

Parameters	Date	Observations and Recommendations	Follow-up
			follow-up audit session on 5/07/2023. The effectiveness of which would be reviewed regularly by the Contractor.
Waste / Chemical Management		No major environmental deficiency was identified during the reporting month.	
Land Contamination Landscape and		No major environmental deficiency was identified during the reporting month. No major environmental deficiency was	
Visual		identified during the reporting month.	
Ecology	28/06/2023	at Pond 12 and meander bridge works	Follow up action is needed for this item in the following audit sessions of the next reporting period.
Fisheries		No major environmental deficiency was identified during the reporting month.	
Permits/Licences		No major environmental deficiency was identified during the reporting month.	
Contract No. YL	/2020/02		
Air Quality		No major environmental deficiency was identified during the reporting month.	
Noise		No major environmental deficiency was identified during the reporting month.	
	7/06/2023	The existing drainage channel at Fu Tai Site Area should be cleared and protected.	
	7/06/2023	The muddy water surface runoff should be properly collected and pumping to the treatment facilities before discharging out at LCS.	
Water Quality	14/00/2023	site exit at the public road. The Contractor was reminded to provide mitigation measures to avoid the discharge of muddy water directly and wheel wash water should be properly collected and treated before discharging out (TAR1)	no further muddy water was observed outside the site exit at the public road during follow-up audit session on 21/06/2023. The effectiveness of mitigation
	14/06/2023	The wetsep should be provided at RW9 according to the approved effluent discharge license.	Water pump was provided to pump out the muddy water to the retention pond inside the site and no site discharge was observed

Parameters	Date	Observations and Recommendations	Follow-up
			possible which will be further inspected once available.
Water Quality	28/06/2023	Provide maintenance to water mitigation measures at site exit. (Reed bed 3A).	follow-up audit session on 5/07/2023.
Waste /	7/06/2023	The handrail at the nullah at LCS should be removed.	The handrails at nullah have been removed by the Contractor as observed during follow-up audit session on 14/06/2023.
Chemical Management	14/06/2023		-
Land Contamination		No major environmental deficiency was identified during the reporting month.	
Landscape and Visual	14/06/2023	The retained trees should be properly protected at Fu Tai site area.	The retained trees have been protected by the water filled barriers as observed during follow-up audit session on 21/06/2023.
Ecology		No major environmental deficiency was identified during the reporting month.	
Fisheries		No major environmental deficiency was identified during the reporting month.	
Permits/Licences		No major environmental deficiency was identified during the reporting month.	
Contract No. YL	/2021/01	l	
Air Quality	19/06/2023	NRMM label should be provided for the excavator mounted breaker.	NRMM label has been displayed on the excavator mounted breaker as observed during follow-up audit session on 26/06/2023.
Noise	19/06/2023	frow the chains during sheet piling works and breaker during rock breaking works.	chains by the Contractor during
Water Quality & Ecology	19/00/2023	The nullah should be properly protected to avoid the soil and muddy surface runoff from the nearby works area getting into the nullah.	sheet by the Contractor to avoid the generation of muddy water and discharging to the nullah as observed during follow-up audit session on 26/06/2023.
Waste / Chemical	5/06/2023	The water barriers at near the drainage channel at EEAA should be removed.	Water barriers at near the drainage channel have been

Parameters	Date	Observations and	Follow-up
		Recommendations	
Management			removed by the Contractor as
			observed during follow-up audit
			session on 12/06/2023.
			Drip tray has been provided for
	5/06/2023	Drip trays should be provided for	the container by the Contractor
	5/06/2025	chemical containers.	as observed during follow-up
			audit session on 12/06/2023.
			The construction wastes have
		Construction waste should be collected	been cleared properly by the
	12/06/2023	in designated area and disposed of	Contractor as observed during
			follow-up audit session on
			19/06/2023.
Land		No major environmental deficiency was	
Contamination		identified during the reporting month.	
Landscape and		No major environmental deficiency was	
Visual		identified during the reporting month.	
Fisheries		No major environmental deficiency was	
risneries		identified during the reporting month.	
Damenita /I i a an a an		No major environmental deficiency was	
Permits/Licences		identified during the reporting month.	

10 IMPEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

- 10.1 According to the EIA Report, EP and the EM&A Manual, the mitigation measures detailed in the documents are recommended to be implemented during the construction phase. An updated summary of the Environmental Mitigation Implementation Schedule is provided in **Appendix M**.
- 10.2 The Compliance status of environmental mitigation measures related to the Project according to EP-477/2013/A are summarised in **Table 10.1**.

Table 10.1	Compliance Status of Related Environmental Mitigation Measures
------------	--

EP Requirements	Compliance Status	Remarks			
<u>Submission and Measures to Mitigate Ecological Impact</u> EP Condition 2.7 To reduce the ecological impact during construction and operation stages of the Project, a series of ecological mitigation measures shall be implemented as conforming to the relevant information and recommendations, including those described in Section 12.7 (Ecological Mitigation Measures), contained in the EIA Report. The key ecological mitigation measures shall include:					
(a) conducting pre-construction search for any otter holts/dens and herpetofaunal species of conservation concern in construction sites, with remedial measures such as setting of no works area around otter holts/den and translocation of important species identified, if any;	Yes	Development of Lok Ma Chau Loop: Land Decontamination and Advance Engineering WorksThe pre-construction search has been carried out in November 2018 before the Advance Works commencement. No otter holts/dens and herpetofauna species of conservation concern were identified.Development of Lok Ma Chau Loop Main Works Package 1 Contract 1 - Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1The pre-construction search has been carried out at Area, 2, 7 & 9 as well as LMC Loop and WCR site areas in May / June 2021 and June / July 2021 respectively before the Works commencement. No otter holts/dens and herpetofauna species of conservation concern were identified.			
(b) creating and establishing an Ecological Area, approximately 12.78 ha. in size, containing reed marsh and marsh habitat prior to total clearance of reed marsh in the Loop, including a lowrise building buffer zone of 50m width from the Ecological Area, with appropriate screenplanting;	Yes	Ecological Area has been established under the Contract. Low-rise building buffer zone and screenplanting which will be provided under Main Works Package 1.			
(c) stabilising the bank of the old Shenzhen River meander of the Loop, approximately 3.5 km long, including re-vegetation upon completion of the works	Yes	The EA design has implemented these measures.			

EP Requirements	Compliance Status	Remarks
and various ecological designs, such as practicability of installation of otter holts and provision of potential feeding area and spraint locations for otters in the stabilised bank;		
(d) creating a 23 m minimum width vegetated setback at the edges of the Loop along the southwestern and north-eastern sections of the meander;	N/A	Vegetated setback will be provided under Main Works Package 1
(e) installing 3m-high olive green fence around construction areas to allow or deter different animal passages where appropriate;	Yes	The Contractor was reminded to maintain and re-arrange the green fence around construction areas and ensure no disturbance to the exiting trees and reed marsh habitat.
(f) providing (i) permanent compensatory off-site wetland areas; and (ii) construction stage temporary compensatory off-site wetland areas during various construction stages of the Project, in advance of any corresponding wetland loss;	Yes	Creation of off-site wetland areas have been substantially completed.
(g) providing at least 0.4 ha woodland compensation area by planting trees and shrubs near Horn Hill, to compensate for the loss of woodland affected by the Western Connection Road (WCR) and other works of the Project;	N/A	To be implemented under Main Works Package 1
(h) carrying out outside dry-season (from November to February next year), the construction works associated with the site formation in the Ecological Area, stabilization of the bank of the old Shenzhen River meander, Western Connection Road along Ha Wan Tsuen Road, to minimise disturbances to migratory birds/water birds;	Yes	-
(i) using powered mechanical equipment for construction works only during the period 9am to 5pm at and near the old Shenzhen River meander and other identified important ecologically sensitive areas, if any;	Yes	-
(j) prohibiting use of direct lighting on the old Shenzhen River meander and controlling nighttime lighting to reduce potential ecological impact;	Yes	-
(k) implementing measures to minimise magnitude of construction runoff and to avoid/minimise the potential impact of spillage events, if any; and	Yes	-
(l) using opaque noise barriers along the proposed roads and using appropriate glass and façade treatment for buildings in the Loop to minimise the mortality of fast-moving wildlife (e.g. birds).	Yes	The works for noise barriers along Lok Ma Chau Road were completed under the Contract in October 2021. Façade treatment for buildings in the Loop will be provided under the responsible works packages.
Four hard copies and two electronic copies of an Ecological Mitigation / Habitat Creation and Management Plan shall be, at least one month before the commencement of corresponding parts of the works of the Project, deposited with the Director. The Plan(s) shall show the design details, locations, implementation	Yes	Development of Lok Ma ChauLoop: Land Decontamination andAdvance Engineering WorksThe HCMP has been submitted andapproved under the EP condition 2.7.

	Complement	Derrogelar
EP Requirements	Compliance Status	Remarks
programme, maintenance and management schedules, and drawings in the scale of 1:1,000 or other appropriate scale of the ecological mitigation measures of the Project. Before submission to the Director, the Plan(s) shall be certified by the ET Leader and verified by the IEC as conforming to the relevant information and recommendations contained in the EIA Report. All measures recommended in the finalised submission(s) under this Condition shall be fully and properly implemented.		Development of Lok Ma Chau Loop Main Works Package 1 – Design and Construction The HCMP has been submitted under the EP condition 2.7 and approved in December 2021.
Submissions or Measures to be implemented for Const	ruction of the P	roject
EP Condition 2.9 To mitigate construction stage noise in implemented during the construction stage of the Project:	npact, the follow	ing noise mitigation measures shall be
(a) temporary noise barriers shall be installed along the construction access roads to screen the construction traffic noise and noisy construction activities and equipment during different construction stages of the Project as described in Table 1 and Figures 2a, 2b, 3a and 3b of this Permit;	Yes	The temporary noise barriers (TNBs) along LMC Road were completed under the Contract in October 2021 (Figures 2a and 2b of EP- 477/2013/A). (Appendix N) The TNBs installation under Contract 2 were completed in
		August 2022 (Figures 3a and 3b of EP-477/2013/A). (Appendix N) Due to the updated site condition, TNB5 deems to serve the function of TNB16 before the commencement of road widening works of the Western Connection Road.
(b) use of movable noise barriers, noise enclosures and quiet powered mechanical equipment for the noisy construction activities and equipment as described in Table 1 and with reference to the typical designs as shown in Figure 4 of this Permit;	Yes	-
(c) concrete lorry mixer(s) shall be operated at least 25 m away from the noise sensitive receivers (NSRs) No. HWTR-6 and HWTR-11 at the Western Connection Road as shown in Figures 2b and 3b as described in Table 1 of this Permit to avoid exceedance due to cumulative construction noise; and	Yes	-
(d) no percussive piling nor blasting by explosive shall be implemented in the Project.	Yes	-
EP Condition 2.10 To Mitigate Construction Stage Fisher	ies Impact	
For some fish ponds which will be partly affected by construction works, to mitigate construction stage fisheries impacts, a layer of sheet pile/barrier wall shall be erected to separate the works area from the remaining areas of the affected fish ponds before the commencement of other construction works, e.g. excavation or filling within the works area. The sheet pile/barrier wall shall be constructed by non-percussive piling method (e.g. Press-in method) to reduce the fisheries impact. In addition, the sheet pile/barrier wall shall have impermeable lining to minimise water loss	Not applicable	 Based on the ground truthing during the weekly site inspections / site visits prior to the commencement of the works at all Ponds, no fisheries impacts were anticipated due to the following observation: No aquaculture activities include drying of ponds, reprofiling, harvesting and feeding;

EP Requirements	Compliance Status	Remarks
from the fish pond to the works area. EP Condition 2.12 To Mitigate Construction Stage Water To reduce sediment transport arising from the stabilisation works at the bank of the old Shenzhen River meander of the LMC Loop,		 No evidence of recently used pond culture equipment; No presence of fish-rearing paraphernalia and No evidence of trimming of vegetation growing on pond bund. As such, the erection of sheet pile/barrier wall to mitigate construction stage fisheries impacts as stated in Condition 2.10 of the EP would not be applicable. The photographic records of Ponds in May 23 are shown in Appendix S. Silt curtain system was deployed to surround the works area under YL/2020/01.
cofferdam/diaphragm wall and/or silt curtain system shall be deployed to surround the works area, from water surface down to the bottom of the meander, in order to minimise the sediment loss to the water body outside the works areas.		
EP Condition 2.14 To Minimise the Disturbance to the Re	edbed System of	MTR LMC Spurline
For the construction of the Direct Link, the existing reeds in the reedbed system of the MTR LMC Spurline shall not be removed by the construction works of the Project, except for the 2 areas with a total area of approximately 320 m ² in size within the Reedbed No. 3 as shown in Figure 5 of this Permit. Upon the completion of works at the reedbed system, the affected reedbed system shall be reinstated.	Yes	These measures have been implemented under YL/2020/02.

Remark: N/A – Not fulfilled yet

Ecological Mitigation Measures – Offsite Wetland Compensation Areas (OWCAs)

- 10.3 According to the EIA Report, habitat loss and disturbance impacts are predicted for both construction and operation phase of the development of Lok Ma Chau Loop. All these impacts are expected to be compensated both temporarily (during construction phase) and permanently (during operation phase). Among other measures identified from EIA report to avoid, minimize and compensate for identified impacts, three areas of existing fishpond habitat (Areas 2, 7 and 9) were proposed in the EIA Report to provide OWCAs.
- 10.4 These Areas are located within a Priority Site for Enhanced Conservation, namely "Deep Bay wetlands outside the Ramsar site". Many of these fishponds are currently participating in the Nature Conservation Management Agreement Scheme in the Northwest New Territories, which has the objective of restoring and enhancing the conservation value of commercial fishponds in the area. In general, the activities involved in the establishment of OWCAs are in nature the same as those associated with commercial fishpond management currently taking place in the area. Therefore, there are

no direct implications for the ecological impacts at OWCAs according to Section 12.7.9 of EIA report.

- 10.5 Under Environmental Permit (EP) number EP-477/2013/A, an Ecological Mitigation/ Habitat Creation and Management Plan (HCMP) is required for all habitat compensation measures required by the Project EIA. The OWCAs are established according to the HCMP which provides a framework and specifications for development and management of the OWCAs.
- 10.6 The OWCAs (Areas 2, 7 and 9) has been substantial completed and the starting date of establishment period is confirmed by AFCD on 14th October 2022.
- 10.7 According to Section 6.1.2 of approved HCMP, the monitoring of the OWCAs have been commenced for the establishment period starting from 14th October 2022. The Environmental Team would undertake the monitoring role through relevant EIAO Documents, audit mechanisms, participation at meetings, as well as certification of results and reports according to EM&A Manual, Section 11.5. The Monthly Monitoring and Management Report for OWCAs would be submitted by the Ecologist under YL/2020/01 separately.

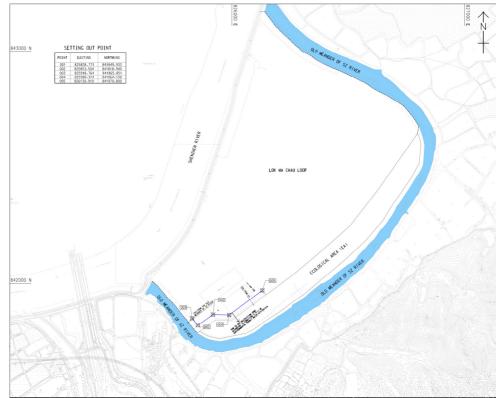
Ecological Mitigation Measures – Installation of 3m-high Olive Green Fence

10.8 The green fence around the future Ribbon Park Reedbed has been removed and replaced by the hoarding due to the other project's land occupier since March 2022. (See Figure & photo below)





10.9 Installation of the green fence alongside the Ecological Area and the Meander was proposed and completed on 20th May 2022. The layout plan of the green fence installation is shown below: -



10.10 The Contractor was reminded to maintain the green fence around construction areas and ensure no disturbance to the exiting trees and reed marsh habitat subject to the latest situation of LMC Loop.

11 ENVIRONMENTAL NON-CONFORMANCE (EXCEEDANCES)

Summary of Exceedances

- 11.1 Summary of exceedances is provided in Appendix K.
- 11.2 No Action/Limit Level exceedance was recorded for air quality monitoring, construction noise and water quality.

Summary of Environmental Complaint

11.3 No environmental complaint was received in the reporting month. The statistical summary table of the environmental complaints is presented in **Table 11.1** and the details and status of the investigation are presented in Complaint Log as attached in **Appendix P**.

Reporting Period	Environmental Complaint Statistics		
	Frequency	Cumulative	Project related complaint
Jan 2019 – May 2023	21	21	1
Jun 2023 0			0

Summary of Notification of Summons and Successful Prosecutions

11.4 There was no prosecution or notification of summons received since the commencement of the Project. The statistical summary table of the summons and prosecution are presented in **Tables 11.2** and **11.3** respectively. Summary of successful prosecution as attached in **Appendix Q**.

Table 11.2Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics		
	Frequency	Cumulative	Project related summon
Jan 2019 – May 2023	0	0	0
Jun 2023	0		0

Reporting Period	Environmental Prosecution Statistics			
	Frequency	Cumulative	Project related Prosecution	
Jan 2019 – May 2023	0	0	0	
Jun 2023	0		0	

 Table 11.3
 Statistical Summary of Environmental Prosecution

12 FUTURE KEY ISSUES

Key Issues in the Coming Months

12.1 Major site activities for the coming reporting months will include:

<u>Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package</u> <u>1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and</u> <u>Western Connection Road Phase 1</u>

- (a) Wetland Compensation Establishment Works and Ecological Monitoring.
- (b) Additional Ground Investigation.
- (c) Deep Cement Mixing Work for Western Connection Road.
- (d) Structure Construction for Box Culverts and Retaining wall at WCR.
- (e) Drainage Works and Roadworks.
- (f) Woodland Compensation Works.

<u>Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package</u> <u>1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San</u> <u>Tin Highway and Direct Road Link Phase 1</u>

Section 1

- (a) Tree Felling and Site Clearance along RW8 area and immediate vicinity. Forming of temporary carriageway to divert traffic.
- (b) Demolition of Subway Cycle Track Bay 12, 13, & 14 and to exposed and protect 132kv cables.
- (c) Excavation and lateral support for RW9 Bay 1 to Bay 4.
- (d) Construction of retaining wall RW9, complete wall stem from bay5 to bay16.
- (e) Commence construction of retaining wall RW8.
- (f) Retaining wall RW10 start implementation of TTA.
- (g) Slope Works for F26 and F23 slope benching and fill slope to required profile.

Section 2A

- (h) Complete all RC block removal works at BPW1.
- (i) Complete all slopes trimming works at CS1 and CS2.
- (j) Site Clearance at LMC Road Zone 3, Zone 4, Zone 5 and Zone 6.
- (k) Liaison with utility companies for utility diversion.
- (1) RW6 ELS works and construction of concrete structure.
- (m) RW6A pipe piling works.
- (n) RW CTWR ELS works and construction of concrete structure.

- (o) DN700 watermain laying works.
- (p) Noise Barrier NB16 ELS works and construction of concrete structure (Bay 1, Bays 4-6).
- (q) UU works along Lok Ma Chau Road.

Section 2B

- (r) EIBC foundation work total 8 nos. of bored piles.
- (s) Manual survey and vibration monitoring in MTR Tunnel.

Section 2C

- (t) Bored pile and socketed H-Pile for Bridge ST01 and CTFB (ST01-P05 & FBP05, EIBC).
- (u) Construction of Pier at ST01-P02 & P03.
- (v) Construction of FBA02 and FBP06 Pile caps.
- (w) Construction of Pile Cap and Pier at ST01-P04 and P06.

Section 3

- (x) Access forming and timber platform installation for predrilling at DRL-P08.
- (y) Bored pile for Bridge DRL-P02, P03 and P11.
- (z) Construction of Pile Cap and Pier at DRL-P12 & P13.
- (aa) Construction of temporary working platform for DRL-P06, P07 and P08 in Eash Nullah.

Section 5

(bb) Construction of Pai Lau Columns, Structure and Finishes.

<u>Contract No.: YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package</u> <u>1 – Contract 3 Direct Road Link Phase 2</u>

- (a) LMC Station Structural Steel Fabrication.
- (b) LMC Station Structural Openings for E&.M Diversion.
- (c) ELS Works at Elevated PTI.
- (d) UU Diversion for Watermain (MTR) and Drainage Diversion at Elevated PTI.
- (e) Bored Piling Works at Double-deck Footbridge.

- 12.2 The Contractor is recommended to arrange and maintain the water quality mitigation measures according to the construction site drainage plan during wet season (i.e., March to October). The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a site/sediment trap. The sediment/silt traps should be incorporated in the permanent drainage channels to enhance deposition rates. Efficient silt removal facilities shall deploy to ensure all treated effluent from wastewater treatment plant shall meet the requirements as stated in WPCO licences and drainage facilities shall be not be clogged with sediment to avoid overflow during rainy season. The site drainage plan shall also be updated based on the site condition and construction programme.
- 12.3 Dust can be generated during construction works and exposed site area. To prevent high dust concentrations, the Contractor should pay attention on the air quality mitigation measures as far as practicable to minimise the dust impact to the villages which are located adjacent to the Project works. The Contractor was also reminded to follow the Project Implementation Schedule in the approved EIA report / EM&A Manual to implement appropriate dust control measures including "watering in all works areas once per hour during working hours to control fugitive dust impact, particularly during dry weather and covering any excavated or stockpile of dusty material 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" as well as the relevant dust control practices as stipulated in the Air Pollution Control (Construction Dust) Regulation such that no adverse dust impact would arise from the Project works.
- 12.4 Ecology is also one of the key environmental issues during construction of the Project. Noise pollution has a negative impact on wildlife species by reducing habitat quality. Therefore, noise mitigation measures such as using quiet plants and noise barriers should be in place, where applicable. The Contractor should properly maintain the temporary noise barriers by frequently checking and maintaining the acoustic materials wrapped on noisy part of PME and ensure no gaps between noise barriers; proactively identify any potential construction noise impact to NSRs and provide sufficient mitigation measures if necessary. Moreover, the fencing used for the site boundary and as a visual barrier during the construction phase shall also be properly maintained at 3m high and of a dull or olive green colour, in order to minimise visual impact as this fencing is to shroud the most visible human activity (movement of persons and vehicles) from adjacent wetland areas. All ecological mitigation measures recommended in the Project Implementation Schedule in EP / approved EIA report / EM&A Manual should be properly implemented and maintained as far as practicable.

Monitoring Schedule for the Next Month

12.5 The tentative environmental monitoring schedule for the next month is shown in Appendix D.

Construction Programme for the Next Month

12.6 Tentative construction programmes are provided in **Appendix A**.

13 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

13.1 The EM&A Report presents the EM&A works undertaken in June 2023 in accordance with EM&A Manual.

Air Quality

1-hour TSP Monitoring

13.2 All 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.

24-hour TSP Monitoring

13.3 All 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.

Construction Noise

13.4 All construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.

Water Quality

13.5 Water quality monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.

Ecological Monitoring

<u>LMC Loop</u>

Avifauna (Flight Line Survey)

13.6 Avifauna monitoring was conducted as scheduled in the reporting month. Flight lines recorded were in general concentrated mainly on LMC Meander and adjacent areas including EA Zone and along Shenzhen River. It demonstrates that the large waterbirds prefer using the flight line corridor above the LMC Meander as well as the unaffected Shenzhen River instead of the centre of LMC Loop.

Mammals

- 13.7 According to Clause 11.4.1.2 of the EM&A Manual, the connectivity between the reed marsh in the LMC Loop and the EA Zone has been fenced off due to other project's land occupier.
- 13.8 In addition, the 12-month establishment period of EA zone has been completed. The mammals monitoring in the Loop was therefore temporarily suspended in the reporting month and will be resumed subject to the site condition.

Western Connection Road

Avifauna (Flight Line Survey)

13.9 Avifauna monitoring was conducted as scheduled in the reporting month. Flight lines recorded were in general concentrated mainly on LMC Meander and adjacent areas including Ecological Area Zone (EA Zone) and along Shenzhen River. It demonstrates that the large waterbirds including migratory waterbirds prefer using the flight line corridor above the LMC Meander as well as the unaffected Shenzhen River instead of the centre of LMC Loop.

Avifauna (Pond 12)

13.10 Avifauna survey at Pond 12 was conducted as scheduled in the reporting month. Weekly count of birds using the Pond was recorded. No significant impact of construction activities on bird use of the pond was observed.

Herpetofauna

13.11 Herpetofauna survey was conducted as scheduled in the reporting month. It was observed that the shallow agricultural ponds where Chinese Bullfrog were recorded has been altered into relatively dry agricultural lands, which may have an effect on the local Chinese Bullfrog population. However, no significant impact of construction activities on this species was observed.

Aquatic fauna

13.12 Aquatic fauna survey was conducted as scheduled in the reporting month. No significant impact of construction activities on the stream was observed.

Land Contamination

- 13.13 Decontamination for five arsenic-contaminated zones (LD01 LD05) identified in LMC Loop was completed and the final Remediation Report was submitted and approved by EPD in accordance with Condition 2.16 of the EP-477/2013/A under Contract No. YL/2017/03.
- 13.14 No work related to land contamination was conducted in the reporting month.

Environmental Site Inspection

13.15 Environmental site inspections were conducted on 5th, 7th, 12th, 14th, 19th, 21st, 26th and 28th June 2023 by ET in the reporting month.

Environmental Complaints, Summons and Prosecutions

- 13.16 No environmental complaint was received in the reporting month.
- 13.17 No notification of summons or successful prosecution was received in the reporting month.

13.18 The ET would keep track on the EM&A programme to ensure compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Recommendations

13.19 According to the environmental audit performed in the reporting month, the following recommendations were made:

Air Quality Impact

- To provide the dust suppression measures such as water spraying on all haul roads, exposed work site areas and dust generation works;
- To provide and maintain impervious materials to cover the stockpiles of dusty materials;
- To design, establish and properly use the wheel washing facilities at the site exits;
- To pave the site exits / entrances;
- To keep maintain machinery to prevent emission of black smoke; and
- To inspect NRMM labels which should be displayed for all regulated machines.

Noise Impact

- To inspect the noise sources inside the site;
- To space out noisy equipment and position the equipment as far away as possible from sensitive receivers; and
- To provide and maintain properly temporary noise barriers or other appropriate sound reduction measures for operations of noisy equipment near the noise sensitive receivers, if necessary.

Water Impact

- To check the silt curtain regularly, ensure the works area are completely surrounded, and prevent any surface runoff discharge into the old Shenzhen River meander or stream;
- To review and implement temporary drainage system;
- To identify any wastewater discharges from site;
- To divert all the water generated from construction site to de-silting facilities with enough handling capacity before discharge;
- To provide and enhance the protection and bunding around the storage area for excavated materials;
- To review the capacity of de-silting facilities for discharge and update maintenance records of wastewater treatment facilities;
- To ensure the drainage facilities are probably maintained and not be clogged with sediment to avoid overflow;
- To maintain the cover for the exposed slope surfaces by tarpaulin or other means;
- To designate the area for wheel washing and set up the associated drainage for water from a wheel wash;
- To pave the exit points and ensure vehicles leaving the site are free from debris of dirt; and
- To implement the effective water quality mitigation measures according to the site drainage plan, and review the site drainage plan measures as appropriate.

Ecology Impact

- To maintain properly the 3m high olive-green fence around the construction site and along the works of meander bridge;
- To provide and maintain visual barrier along Ha Wan Tsuen Road;
- To ensure the powered mechanical equipment for construction works only during the period 9am to 5pm at and near the old Shenzhen River meander and other identified important ecologically sensitive areas, if any; and
- To prevent any surface runoff discharge into the stream and clear up any construction materials at the streams.

Waste/Chemical Management

- To check for any accumulation of waste materials or rubbish on site and remove them promptly;
- To carry out inspection of dump trucks at site exit to ensure inert and non-inert C&D materials are properly segregated before delivering offsite;
- To avoid any discharge or accidental spillage of chemical waste or oil directly from the equipment and the site;
- To maintain the drip tray well and/or provide tarpaulin sheet properly for equipment to prevent oil and chemical leakage;
- To avoid improper handling, storage and dispose of oil drums or chemical containers on site.

Landscape and Visual

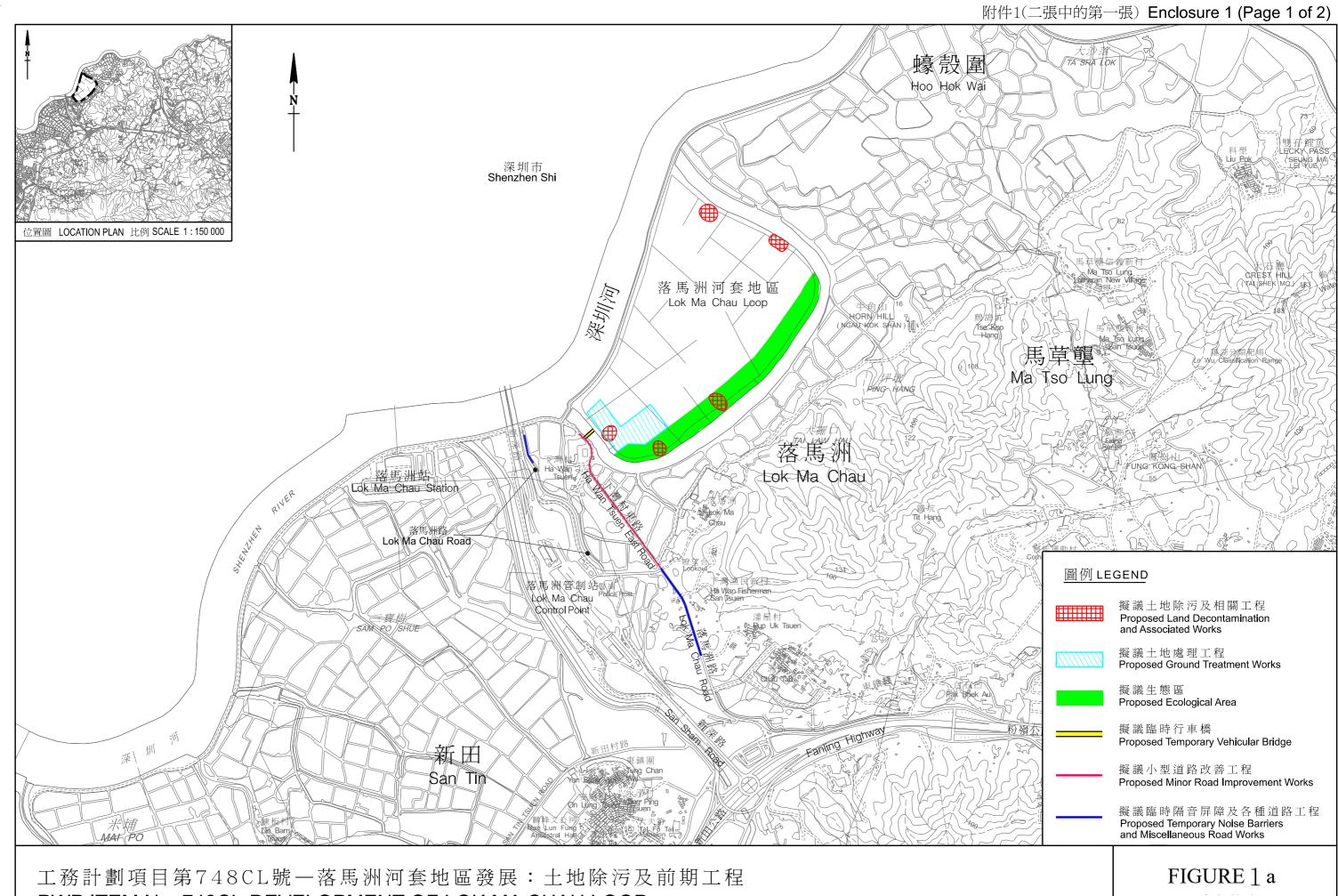
- To erect and maintain the protection fencing and tree protection zone around the preserved trees; and
- To avoid placing construction materials within the tree protection zone.

Permits/Licences

• To display the Environmental Permit conspicuously on site.

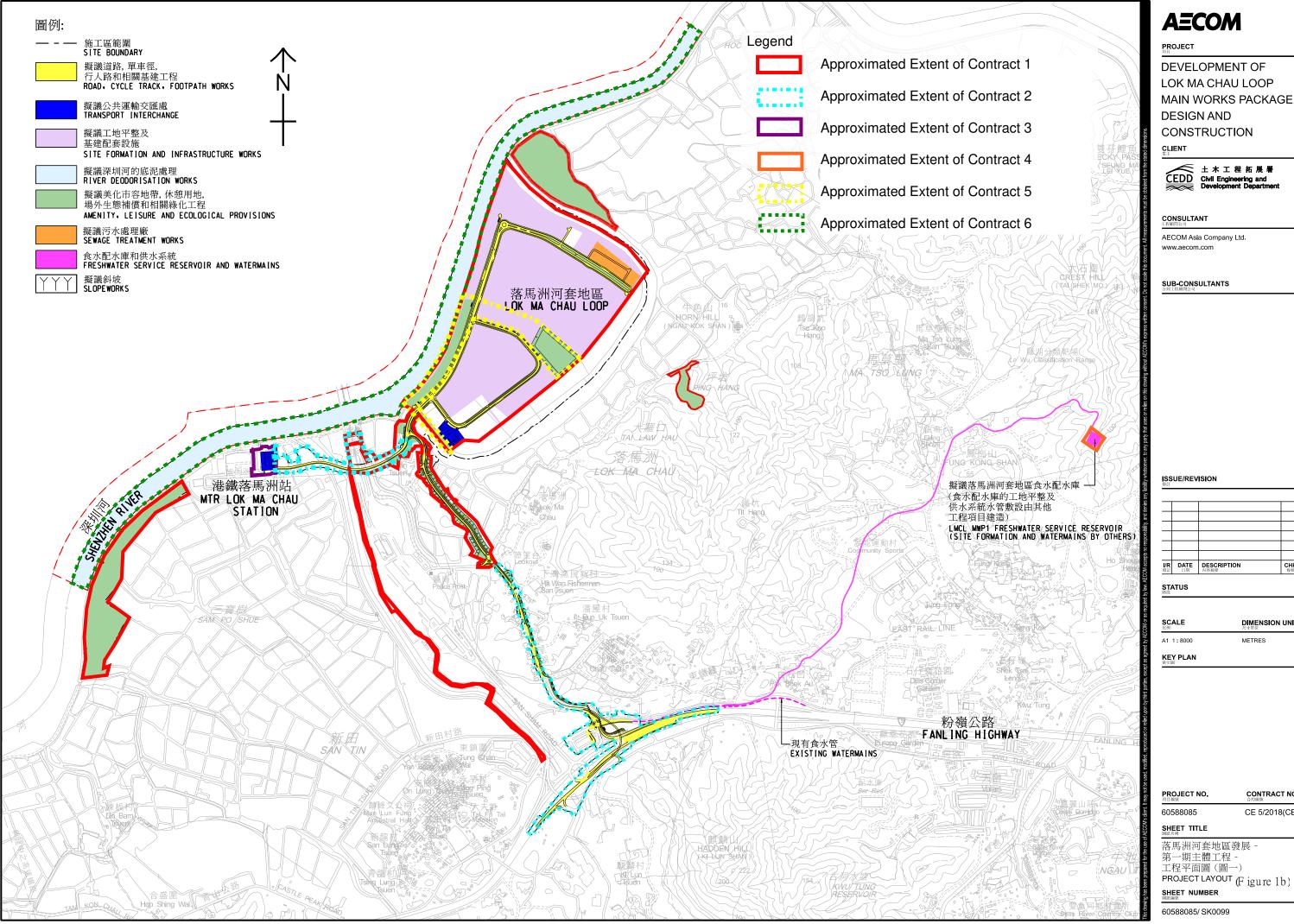
FIGURE(S)





PWP ITEM No. 748CL-DEVELOPMENT OF LOK MA CHAU LOOP : LAND DECONTAMINATION AND ADVANCE ENGINEERING WORKS

LAYOUT PLAN



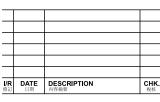
AECOM

DEVELOPMENT OF LOK MA CHAU LOOP MAIN WORKS PACKAGE 1



土木工程拓展署 CEDD Civil Engineering and Development Department

AECOM Asia Company Ltd.



I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 複核
修訂	日期	內容摘要	複相

_			
_			
I/R 修訂	DATE 日期	DESCRIPTION 内容摘要	CHK. 複核

I/R 修訂	DATE	DESCRIPTION	CHK. 複核
I/R 修訂	DATE 日期	DESCRIPTION 內容捕要	CH 複相

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 複核
_			

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 複核
		1	

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要
ST/	ATUS	

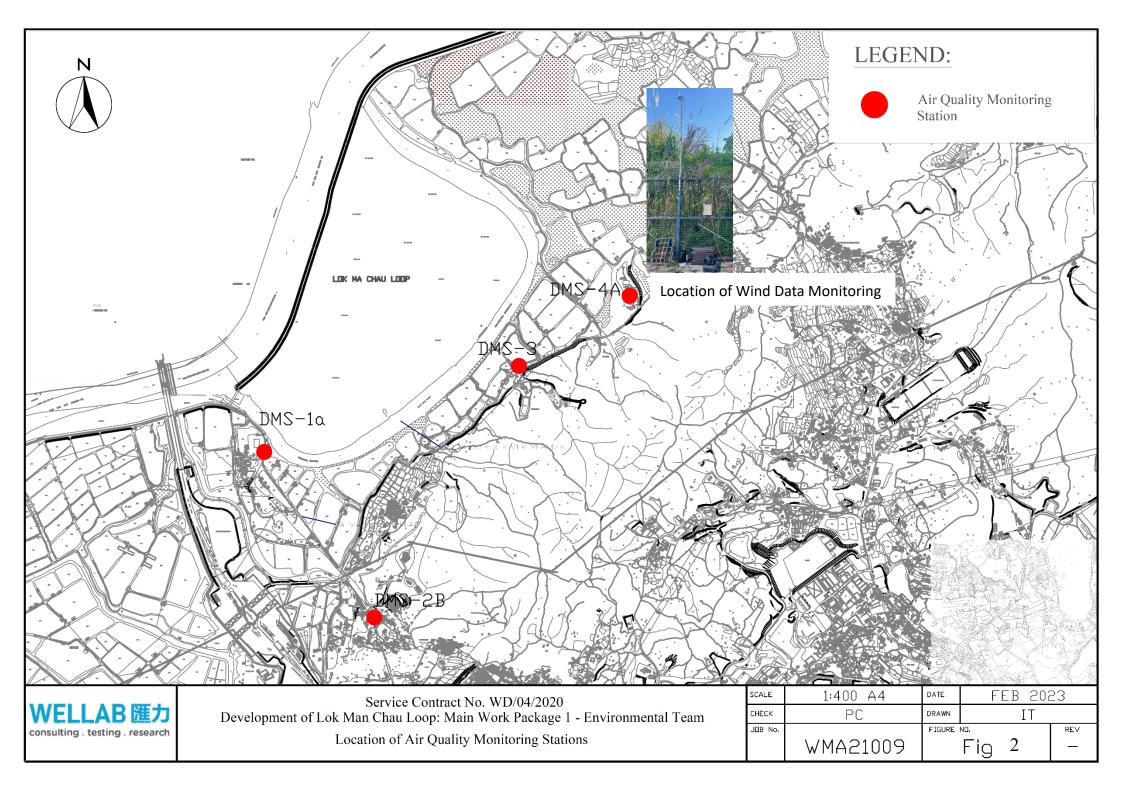
R aj	DATE 日期	DESCRIPTION 內容摘要	CHK 複核
T/ 段	ATUS		

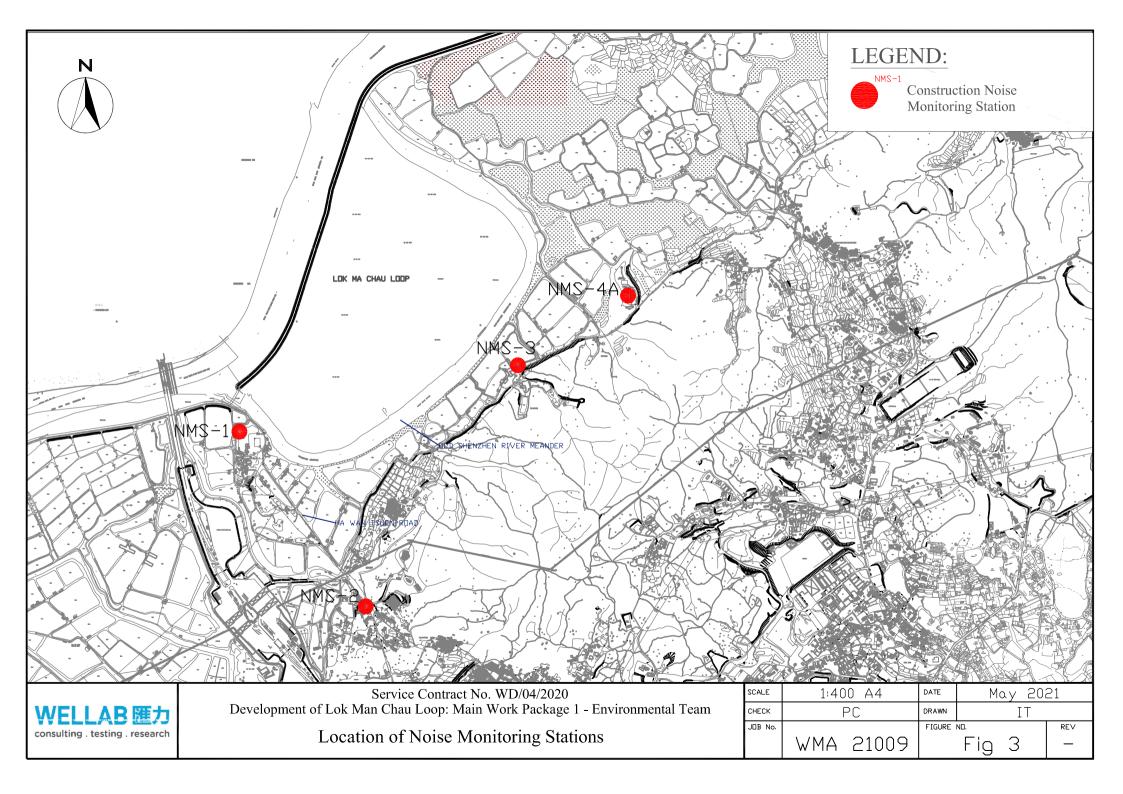
DIMENSION UNIT

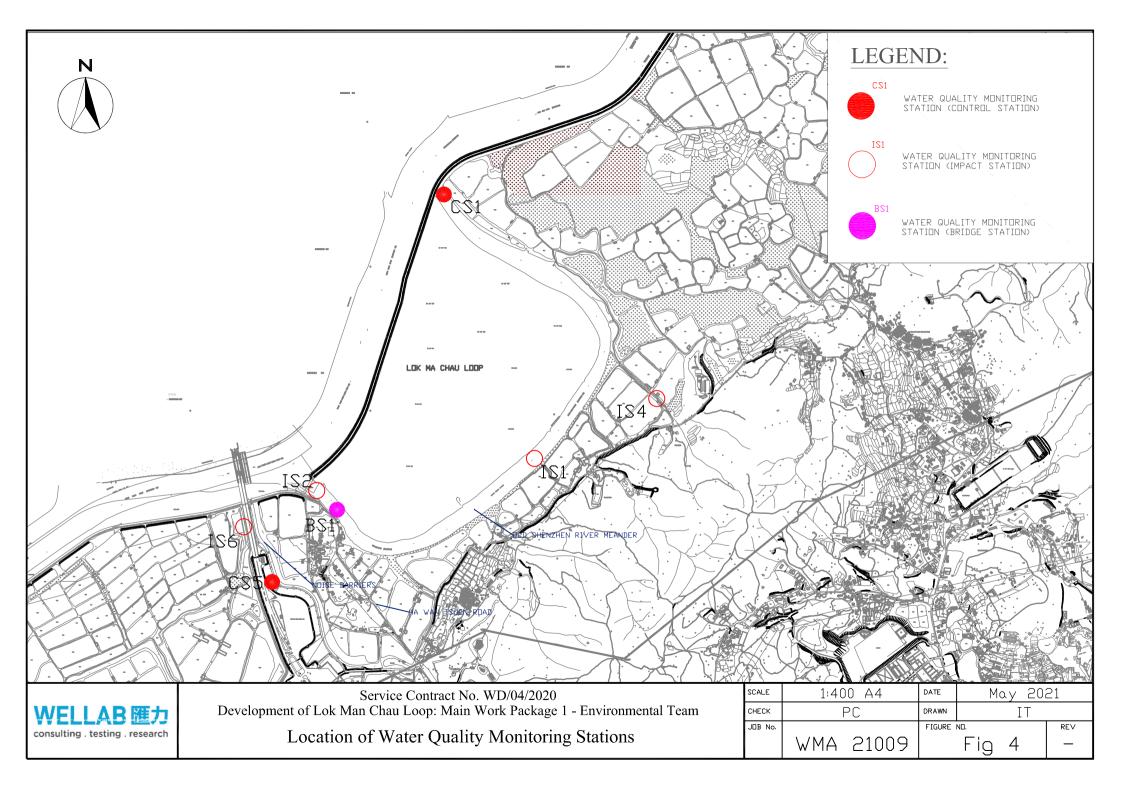
METRES

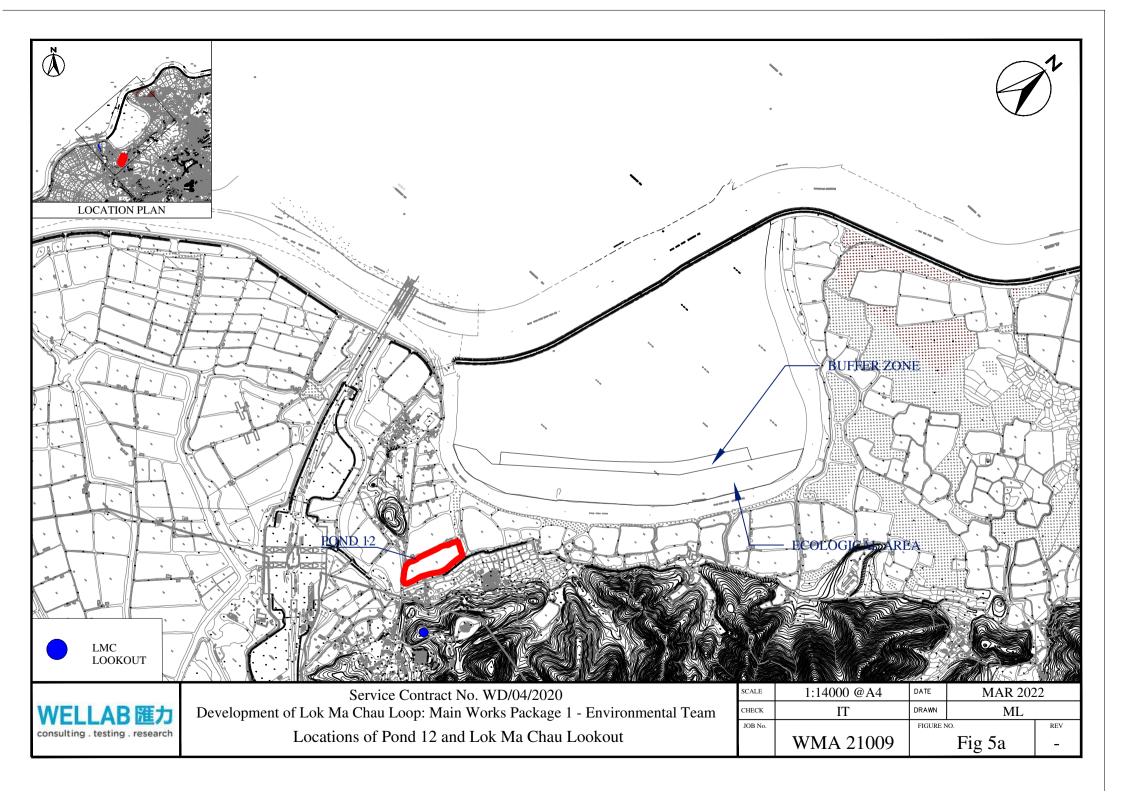
CONTRACT NO.

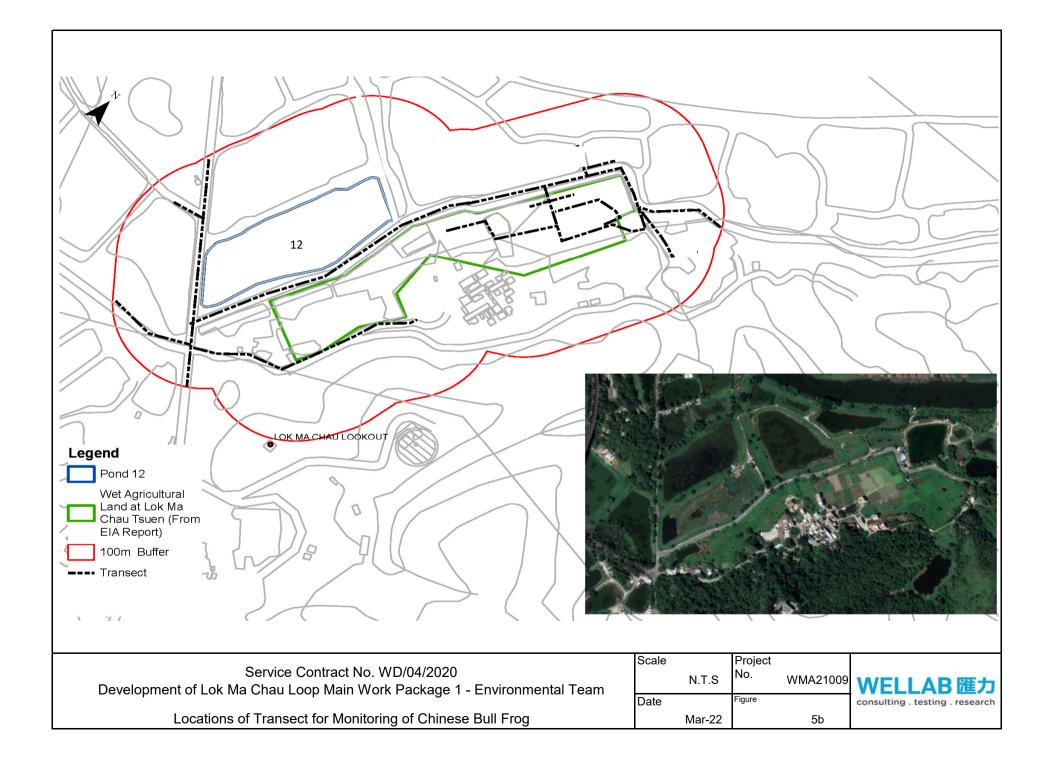
CE 5/2018(CE)

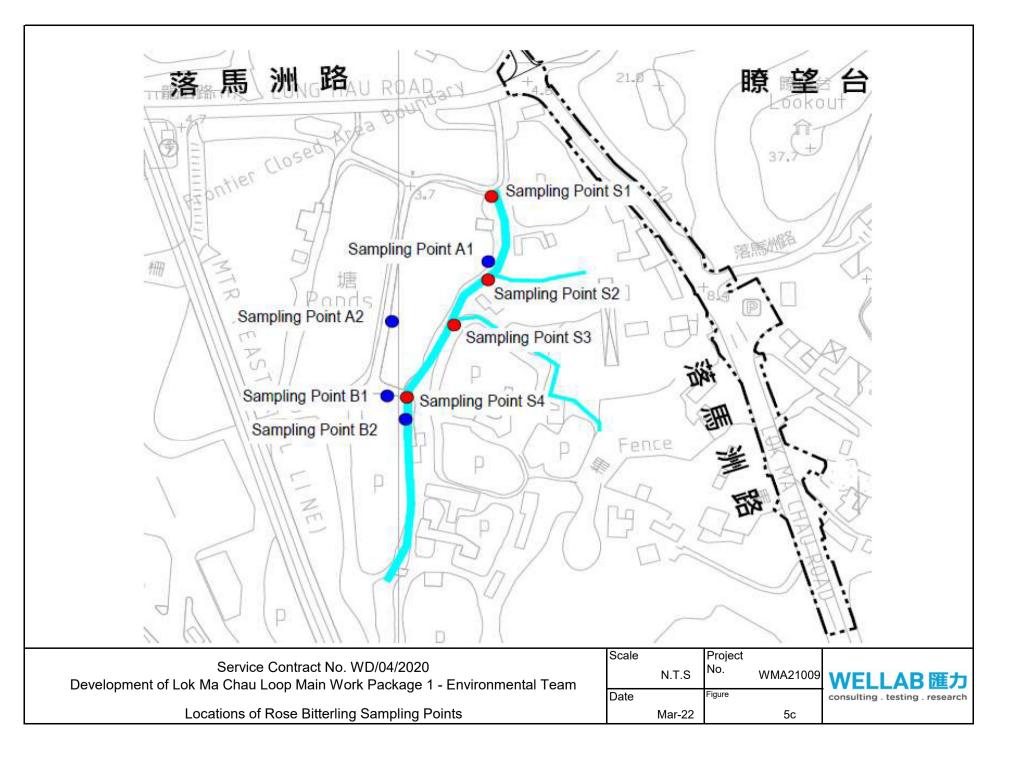


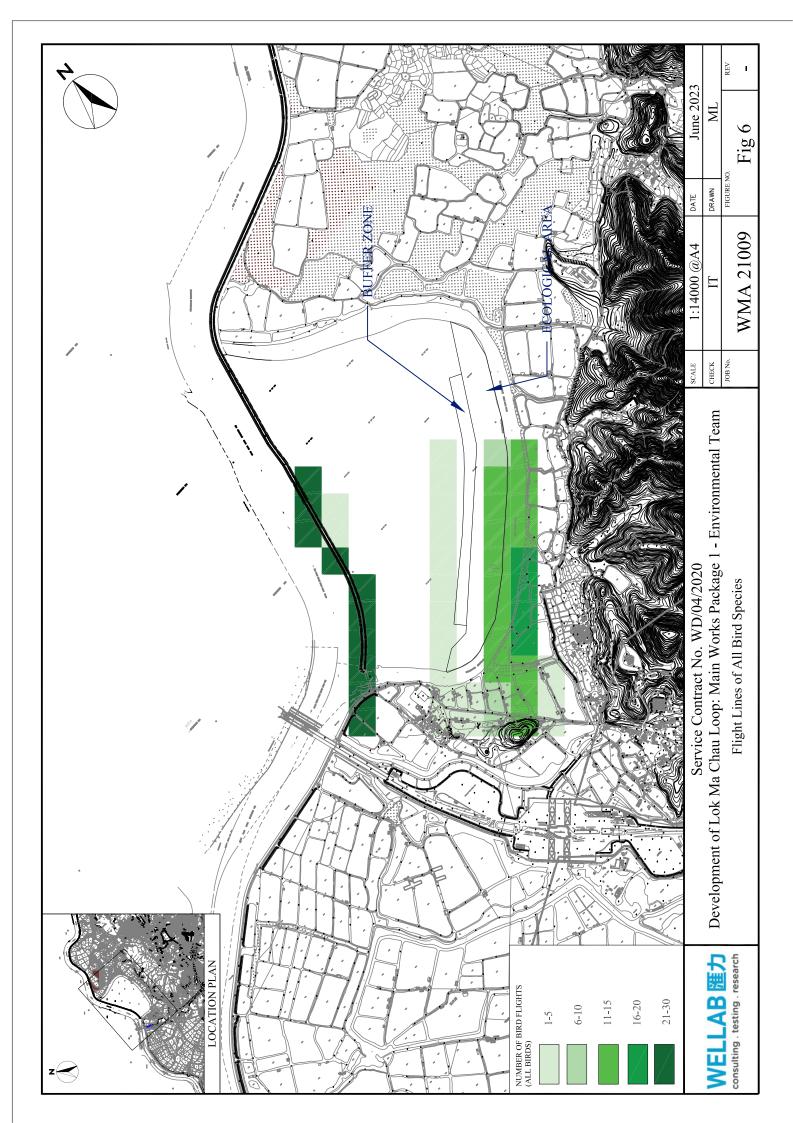












APPENDIX A CONSTRUCTION PROGRAMME Contract No. YL/2020/01 - Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

D	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Float	31 32	33 34 35
		200	31-Aug-21 A	30-Jul-24	12-Oct-21	12-Nov-26	325	07 14 21 28 04 11 18 25	
	o. YL/2020/01 - Detailed Programme Rev. 20	396					325		
ontract Dat	a Part 1	69	15-Jul-23	23-Sep-23	15-Jul-23	22-Sep-23	0		
ontract Acc	ess Dates to Part of the Site	0	23-Sep-23	23-Sep-23	22-Sep-23	22-Sep-23	0		
L15	L15- Location 15 Access Date (sd+800)	0	23-Sep-23*	15-Jul-23	22-Sep-23	15-Jul-23	0		
DO2	Dates KD2 (sd+730) - Uptake of TAR 3 and provision of relevant Phase 1A utilities	0	13-301-23	15-Jul-23*	10-001-20	15-Jul-23	0		♦ KD2 (sd+730) - Uptake of TAR 3 and provision of relevant Phase 1A utilities
D03	KD3 (sd+730) - Complete Road D1+Road L1 and Phase 1A commissioning roads	0		15-Jul-23*		15-Jul-23	0		 KD3 (sd+730) - Complete Road D1+Road L1 and Phase 1A commissioning roads
ontract Sect	ion Completions	0	15-Jul-23	15-Jul-23	15-Jul-23	15-Jul-23	0		
15.1	Section S15.1 (sd+730d) - All the works in Portion 15.1 of the Site	0		15-Jul-23*		15-Jul-23	0		Section S15.1 (sd+730d) - All the works in Portion 15.1 of the Site
15.2 15.2B	Section S15.2 (sd+730d) - All the works in Portion 15.2 of the Site Section S15.2B (sd+730d) - All the works in Portion 15.2 of the Site	0		15-Jul-23* 15-Jul-23*		15-Jul-23 15-Jul-23	0		 Section S15.2 (sd+730d) - All the works in Portion 15.2 of the Site Section S15.2B (sd+730d) - All the works in Portion 15.2b of the Site
15.5	Section S15.5 (sd+730d) - All the works in Portion 15.5 of the Site	0		15-Jul-23*		15-Jul-23	0		 Section S15.5 (sd+730d) - All the works in Portion 15.5 of the Site
Inned Co	npletion Dates	189	22-Feb-22 A	31-Jul-23	19-Dec-21	12-Nov-26	467		
anned Secti	on Completions	0	25-Jul-23	25-Jul-23	28-Oct-22	28-Oct-22	-270		
01A	Section S1A (L09+462d) - Establishment for landscape softworks in Portion 1	0		25-Jul-23*		28-Oct-22	-270		Section SIA (L09+462d) - Establishment for landscape softworks in Portion 1
02A 03A	Section S2A (L08/L09+462d) - Establishment for landscape softworks in Portions 2A/2B of the Site Section S3A (L08+428d) - Establishment for landscape softworks in Portion 3 of the Site	0		25-Jul-23* 25-Jul-23*		28-Oct-22 28-Oct-22	-270 -270		 Section S2A (L08/L09+462d) - Establishment for landscape softworks in Portions 2A/2B of the Site Section S3A (L08+428d) - Establishment for landscape softworks in Portion 3 of the Site
	Events (raised by Contractor)	464	22-Feb-22 A	31-Jul-23	19-Dec-21	17-Feb-22	-529		
-2213	Emergency Hospital and Community Isolation & Treatment Facilities	464	22-Feb-22 A	31-Jul-23	19-Dec-21	17-Feb-22	-529		Emergency Hospital and Community Isolation & Treatment Facilities
oject Mana	per's Instruction (PMI)	99	17-Oct-22 A	29-Jun-23	01-Feb-22	12-Nov-26	480		
	Construction of the Road and Drainage Works at WCR	115	24-Feb-23 A	18-Jun-23	14-Aug-22	31-Aug-22	-291		
VI080-110 VI080-120	PMI No. 080 - Quotation Preparation and Submission	21 14	24-Feb-23 A	04-Jun-23	14-Aug-22	17-Aug-22	-291	PMI No. 080 - Quotation Preparation and Submis	
	PMI No. 080 - PM Review and Reply Construction of Structure for Box Culvert C (Whole) and Box Culvert A1 (Part)	14 157	05-Jun-23 13-Jan-23 A	18-Jun-23 18-Jun-23	18-Aug-22 25-Oct-26	31-Aug-22 11-Nov-26	-291 1242	PMI No. 080 - PM R	
1092-110	PMI No. 092 - Quotation Preparation and Submission	21	13-Jan-23 A	04-Jun-23	25-Oct-26	28-Oct-26	1242	PMI No. 092 - Quotation Preparation and Submis	sion
11092-120	PMI No. 092 - PM Review and Reply	14	05-Jun-23	18-Jun-23	29-Oct-26	11-Nov-26	1242	PMI No. 092 - PM R	eview and Reply
	Sewerage Works in Section of Road L1 (SOL R200 approximately Ch 1170 to Ch. 1430)	245 01	17-Oct-22 A	18-Jun-23	23-Aug-26	09-Sep-26	1179		
11099-110 11099-120	PMI No. 099 - Quotation Preparation and Submission PMI No. 099 - PMI No. 099 - PM Review and Reply	21 14	17-Oct-22 A 05-Jun-23	04-Jun-23 18-Jun-23	23-Aug-26 27-Aug-26	26-Aug-26 09-Sep-26	1179 1179	PMI No. 099 - Quotation Preparation and Submis	sion 0. 099 - PM Review and Reply
	Design, Supply and Installation of Road Lighting w/in Road L1 Completed by 31 Jul 2023	14	04-Nov-22A	05-Jun-23	09-Jul-23	13-Jul-23	38		
1103-120	PMI No. 103 - PM Review and Reply	14	04-Nov-22A	05-Jun-23*	09-Jul-23	13-Jul-23	38	PMI No. 103 - PM Review and Reply	
	Construction of Watermains in WCR to be completed by 31 October 2024	14	19-Nov-22A	14-Jun-23	15-Feb-23	28-Feb-23	-106		
104-120	PMI No. 104 - PM Review and Reply	14 245	19-Nov-22A 27-Oct-22A	14-Jun-23 18-Jun-23	15-Feb-23 23-Aug-26	28-Feb-23	-106	PMI No. 104 - PM Review ar	nd Reply
1107-110	Removal of Paving BLock in Constructed TAR3 and Re-use for Road L1 PMI No. 107 - Quotation Preparation and Submission	21	27-Oct-22 A	04-Jun-23	23-Aug-26	26-Aug-26	1179	PMINo. 107 - Quotation Preparation and Submis	sinn
1107-120	PMI No. 107 - PM Review and Reply	14	05-Jun-23	18-Jun-23	27-Aug-26	09-Sep-26	1179	PMI No. 107 - PM R	┦╦┊╶╶╴╴╴╴╴┊╴╴╴╴╴╴┊╴╴╴╴╴╴╴╡╴╴╴╴╴┊╴╴╴╴╴┊╴╴╴╴╴╴╴
II No. 108 -	Demolition of Existing TAR3 for the Construction of Road L1	14	18-Nov-22A	04-Jun-23	02-Apr-23	05-Apr-23	-60		
11108-120	PMI No. 108 - PM Review and Reply	14	18-Nov-22A	04-Jun-23	02-Apr-23	05-Apr-23	-60	PMI No. 108 - PM Review and Reply	
/II NO. 109 - /II109-110	Construction of Irrigation System w/in Road L1 (Ch 1170-1430) Completed by 31 Jul 2023 PMI No. 109 - Quotation Preparation and Submission	245 21	26-Oct-22 A 26-Oct-22 A	18-Jun-23 04-Jun-23	02-May-23 02-May-23	05-May-23	-30	PMI No. 109 - Quotation Preparation and Submis	
//109-120	PMI No. 109 - PM Review and Reply	14	05-Jun-23	18-Jun-23	06-May-23	19-May-23	-30	PMI No. 109 - PM	↓ = = = = = = = = = = = = = = = = = = =
II No. 110 -	Construction of Watermains for Flushing Water w/in Road L1 (Ch 1170-1430)	14	09-Mar-23A	04-Jun-23	03-Oct-26	06-Oct-26	1220		
1110-120	PMI No. 110 - PM Review and Reply	14	09-Mar-23A	04-Jun-23	03-Oct-26	06-Oct-26	1220	PMI No. 110 - PM Review and Reply	<u> </u>
11 No. 119 - //119-110	Construction of Drainage Works w/in Road L1 (CH.1170-1430) Completed by 31 Jul 2023 PMI No. 119 - Quotation Preparation and Submission	170 21	22-Nov-22A 22-Nov-22A	18-Jun-23 04-Jun-23	02-May-23 02-May-23	19-May-23 05-May-23	-30	PMI No. 119 - Quotation Preparation and Submiss	
1119-120	PMI No. 119 - PM Review and Reply	14	05-Jun-23	18-Jun-23	06-May-23	19-May-23	-30	PMI No. 119 - PM Re	
II No. 120 -	Revised Drainage Design with Road L1 (Ch1170-1430)	14	23-Nov-22A	04-Jun-23	14-Jun-23	17-Jun-23	13		
1120-120	PMI No. 120 - PM Review and Reply	14	23-Nov-22A	04-Jun-23	14-Jun-23	17-Jun-23	13	PMI No. 120 - PM Review and Reply	
II No. 121 - II121-120	Provision of DN100 Watermain & Assoc. Plumbing & Make Water Supply Application HSITP PMI No. 121 - PM Review and Reply	14	25-Feb-23 A 25-Feb-23 A	04-Jun-23 04-Jun-23	03-Oct-26 03-Oct-26	06-Oct-26 06-Oct-26	1220 1220	PMI No. 121 - PM Review and Redy	
-	Revised Footing Design of Pai Lau at LMC Tsuen (Northern Footing)	74	01-Dec-22A	25-Jun-23	29-Jan-24	22-Feb-24	242		
1122-110	PMI No. 122 - Quotation Preparation and Submission	21	01-Dec-22A	04-Jun-23	29-Jan-24	01-Feb-24	242	PMI No. 122 - Quotation' Preparation and Submis	sion
1122-120	PMI No. 122 - PM Review and Reply	14	01-Mar-23A	25-Jun-23	29-Jan-24	22-Feb-24	242	PMIN	o. 122 - PM Review and Reply
II No. 125 - II125-110	Lowering Down of Existing DN100 Watermain at Junction of TAR3 and EA Haul Road	176 21	24-Dec-22A	17-Jun-23	26-Oct-26	11-Nov-26	1243		<u>↓</u> ↓↓↓↓↓↓↓↓↓↓↓
1125-110	PMI No. 125 - Quotation Preparation and Submission PMI No. 125 - PM Review and Reply	14	24-Dec-22A 04-Jun-23	03-Jun-23 17-Jun-23	26-Oct-26 29-Oct-26	28-Oct-26 11-Nov-26	1243 1243	PMI No. 125 - Quotation Preparation and Submission	┥╌┾╶╶╴╴╴╴╴╡╴╴╴╴╴╴╴╴┊╴╴╴╴╴╴╴┊╴╴╴╴╴╴┊╴╴╴╴╴╴┆╴╴╴╴╴╴╴┊╴╴╴╴╴╴
l No. 129 -	Amendment to Meander Bridge Details	170	31-Dec-22A	18-Jun-23	25-Oct-26	11-Nov-26	1242		
1129-110	PMI No. 129 - Quotation Preparation and Submission	21	31-Dec-22A	04-Jun-23	25-Oct-26	28-Oct-26	1242	PMI No. 129 - Quotation Preparation and Submis	· · · · · · · · · · · · · · · · · · ·
1129-120	PMI No. 129 - PM Review and Reply	14 170	05-Jun-23 31-Dec-22A	18-Jun-23	29-Oct-26	11-Nov-26	-485	PMI No. 129 - PM R	elvièw and Reply
1132-110	Proposed DCM Ground Improvement within Part of the Loop PMI No. 132 - Quotation Preparation and Submission	21	31-Dec-22A	04-Jun-23	01-Feb-22	04-Feb-22	-485	PMI No. 132 - Quotation Preparation and Submis	
1132-120	PMI No. 132 - PM Review and Reply	14	05-Jun-23	18-Jun-23	05-Feb-22	18-Feb-22	-485	PMI No. 132 - PM R	
II No. 133 -	Relocation of Carpark of Project Managers Interim Office and Container Offices	113	09-Feb-23 A	04-Jun-23	24-Oct-22	27-Oct-22	-220		
1133-120 N-079	PMI No. 133 - PM Review and Reply Issue PMIN078 for PMI133 (6 Jan 2023)	14	09-Feb-23 A 01-Jun-23	04-Jun-23 01-Jun-23	24-Oct-22 27-Oct-22	27-Oct-22 27-Oct-22	-220 -217	PMI No. 133 - PM Review and Reply Issue PMN078 for PMI133 (6 Jan 2023)	
	Construction of Watermains at WCR	66	01-Jun-23 25-Apr-23 A	01-Jun-23 29-Jun-23	27-Oct-22 31-Jan-23	27-Oct-22 28-Feb-23	-217	ISsue PMIN0/8 for PMI1333 (6 Jan 2023)	
134-110	PMI No. 134 - Quotation Preparation and Submission	21	25-Apr-23 A	15-Jun-23	31-Jan-23	14-Feb-23	- 121	PMI No. 134 - Quotation Pr	eparation and Submission
134-120	PMI No. 134 - PM Review and Reply	14	16-Jun-23	29-Jun-23	15-Feb-23	28-Feb-23	-121		PMI No. 134 - PM Review and Reply
	DCM Cluster Works next to DCM4 Area	162 21	07-Jan-23 A	17-Jun-23	23-Oct-22	08-Nov-22	-221		_┊┊┊┊┊┊┊
1135-110 1135-120	PMI No. 135 - Quotation Preparation and Submission PMI No. 135 - PM Review and Reply	21 14	07-Jan-23 A 04-Jun-23	03-Jun-23 17-Jun-23	23-Oct-22 26-Oct-22	25-Oct-22 08-Nov-22	-221 -221	PMI No. 135 - Quotation Preparation and Submission	יווי iew and Reply
	Electrically Isolated Tendons for Internal Post-tensioning Tendons of Meander Bridge	163	12-Jan-23 A	18-Jun-23	23-Dec-22	09-Jan-23	- 160		
/1136-110	PMI No. 136 - Quotation Preparation and Submission	21	12-Jan-23 A	04-Jun-23	23-Dec-22	26-Dec-22	- 160	PMI No. 136 - Quotation Preparation and Submis	······································
/II136-120	PMI No. 136 - PM Review and Reply	14	05-Jun-23	18-Jun-23	27-Dec-22	09-Jan-23	- 160	PMI No. 136 - PM R	eview and Reply
11 NO. 148 -	Remedial Works for Contractor's Site Office	104	07-Mar-23A	18-Jun-23	04-Feb-22	21-Feb-22	-482		
AP	Actual Level of Effort			Cont	ract VI /2	020/01 - 1 -	ok Ma	au Loop Main Works Package 1	Project ID : d.YL20-230630 Three Month Rolling Programme
RE	Actual Work			Sont					Layout : YL-02 3MRPDateRevisionCheckedADate : 30-Jun-23/ Page 1 of 1131-May-23MPR No. 23
-SIZ						nree WO	ntn K		Date : 30-Jun-23/ Page 1 of 11 31-May-23 MPR No. 23





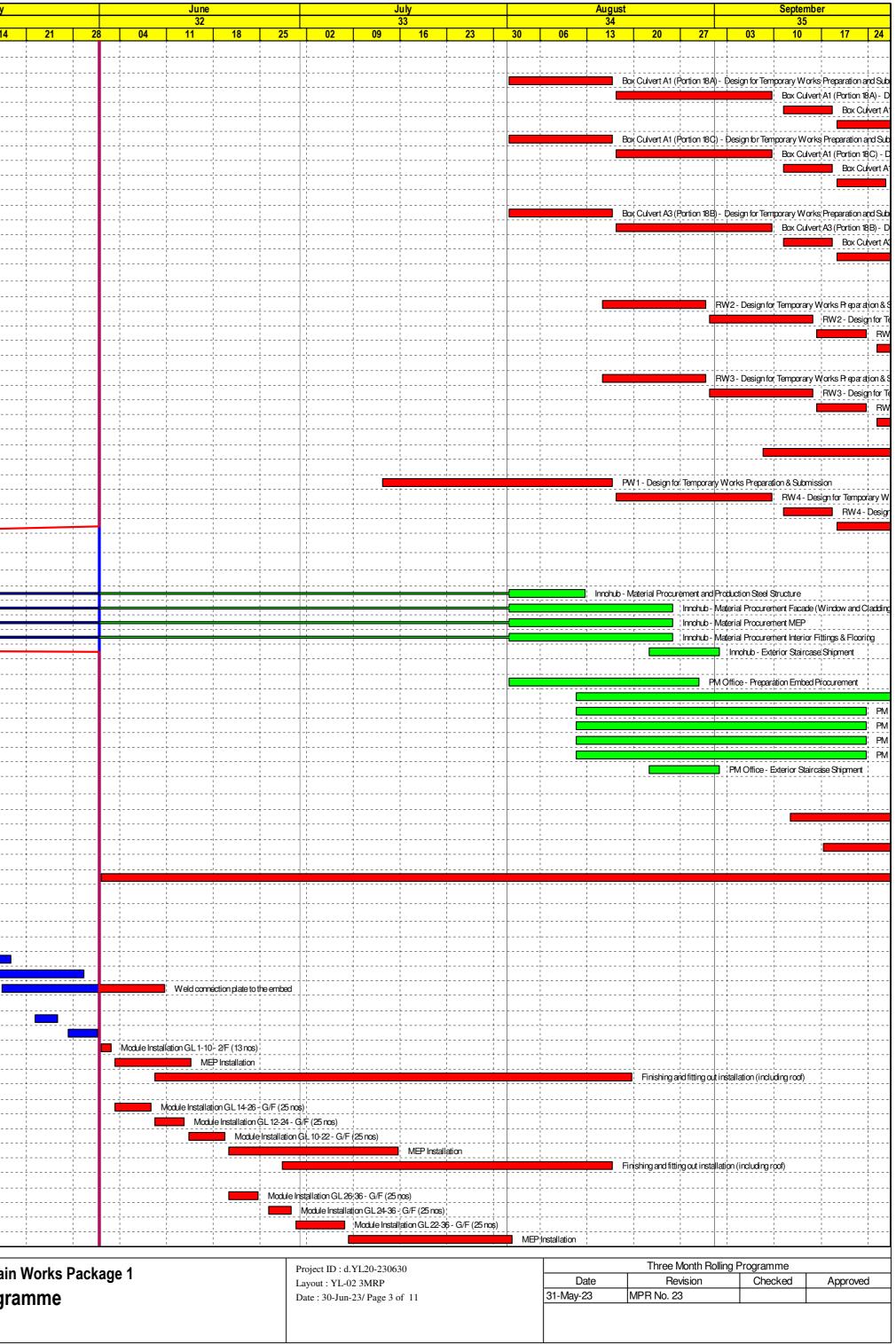
ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	07
PMI148-110	PMI No. 148 - Quotation Preparation and Submission	21	07-Mar-23A	04-Jun-23	04-Feb-22	07-Feb-22	-482	
PMI148-120	PMI No. 148 - PM Review and Reply Revised Sewerage Design with Road L1 (CH 1170 to 1430)	14 90	05-Jun-23 21-Mar-23A	18-Jun-23	08-Feb-22 27-May-23	21-Feb-22 13-Jun-23	-482 -5	
PMI150-110	PMI No. 150 - Quotation Preparation and Submission	21	21-Mar-23A	04-Jun-23	27-May-23	30-May-23	-5	
PMI150-120	PMI No. 150 - PM Review and Reply	14	05-Jun-23	18-Jun-23	31-May-23	13-Jun-23	-5	
PMI No. 159 - I	Installation of Manhole Connectors for Sewerage Works at Road L1 (CH 1170 - 1430)	67	13-Apr-23 A	18-Jun-23	02-May-23	19-May-23	-30	
PMI159-110	PMI No. 159 - Quotation Preparation and Submission	21	13-Apr-23 A	04-Jun-23	02-May-23	05-May-23	-30	
PMI159-120	PMI No. 159 - PM Review and Reply	14	05-Jun-23	18-Jun-23	06-May-23	19-May-23	-30	· · · · · · · · · · · · · · · · · · ·
PMI No. 163 - /	Additional Manhole adjacent to Box Culvert C (3 Apr 2023)	75	05-Apr-23 A	18-Jun-23	02-May-23	19-May-23	-30	
PMI163-110	PMI No. 163 - Quotation Preparation and Submission	21	05-Apr-23 A	04-Jun-23	02-May-23	05-May-23	-30	
PMI163-120	PMI No. 163 - PM Review and Reply	14	05-Jun-23	18-Jun-23	06-May-23	19-May-23	-30	
	Realignment of Road D1 for Sheet Pile Installation at North Meander Bridge	0	03-May-23 A	03-May-23 A	24-Nov-22	24-Nov-22		
PMI179-100	PMI No. 179 - Issued (2 Apr 2023) Advance Diversion of DN200 Watermain for DCM7 Construction along TAR1	0	01-Jun-23 A	03-May-23 A 01-Jun-23 A	01-Aug-23	24-Nov-22 01-Aug-23		PMI No. 179 - Is
PMI188-100	PMI No. 188 - Issued (12 May 2023)	0	010012077	01-Jun-23 A	0176920	01-Aug-23		
	Design, Supply and Installation of Road Lighting for Western Connection Road Only	0	15-May-23 A	15-May-23 A	12-Nov-26	12-Nov-26		
PMI189-100	PMI No. 189 - Issued (30 May 2023)	0		15-May-23 A		12-Nov-26		
reliminary a	and Preparations	354	31-Aug-21 A	13-Apr-24	24-Dec-21	11-Nov-26	367	
		627	01-Sep-21 A	17-Oct-23	24-Dec-21	19-Aug-23	-48	
	O blatting for Decisions and Decisions for Decision (1) index (1) and 1 are Management)					-		
PRE-310B PRE-315	Subletting for Drainage and Roadworks for Road D1 (Under Closed Loop Management) Subletting for Pipe Works	30 30	01-Aug-23 21-Feb-22 A	04-Sep-23 05-Jul-23	01-Apr-22 04-Apr-22	12-May-22 12-May-22	-391 -339	
PRE-325	Subletting for Drainage Work and Roadwork for WCR	30	25-Aug-23	28-Sep-23	25-Apr-22	31-May-22	-396	
PRE-365	Subletting for Modification and Maintainance of Existing Boundary Patrol Road (Area Under Closed Loop Management)	30	01-Jun-23	07-Jul-23	24-Dec-21	07-Feb-22	-416	····
PRE-385A	Subletting for Irrigation System (Road D1)	45	24-Aug-23	17-Oct-23	23-Apr-22	17-Jun-22	-396	+
PRE-385B	Subletting for Irrigation System (Road L1 Ch 1170-1430) (PMI103, PMI109)	45	03-Jul-23	23-Aug-23	28-Jun-23	19-Aug-23	-3	
PRE-390B	Subletting for Road Lighting at Road L1 (Ch 1170-1430) (PMI103, PMI109)	45	03-Jul-23	23-Aug-23	26-Jun-23	17-Aug-23	-5	
PRE-395	Subletting for E&M Works at STW	173	01-Sep-21 A	13-Sep-23	22-Feb-22	02-Apr-22	-427	
PRE-415A	Subletting for Civil Works for Utilities at Road D1 and Road L1	45	24-Aug-23	17-Oct-23	23-Apr-22	17-Jun-22	-396	·
PRE-432 PRE-433	Subletting for Box Culvert (R.C. Works, OccupiedAreas) Subletting for Box Culvert (Piling Works, OccupiedAreas)	28 28	20-Jan-22 A 27-Jan-22 A	01-Sep-23 06-Oct-23	27-May-22 31-May-22	27-Aug-22 10-Jun-22	-299 -393	
	issions for the Works	307	27-Jan-22 A 31-Aug-21 A	27-Dec-23	18-Feb-22	10-Juri-22 11-Nov-26	-393	
								·
PRE-435A PRE-455	Prepare, Submit, Processing & Approval for Alternative Design for STW (On Hold) Prepare, Submit, Processing & Approval for Noise Barrier for Public Transportation Interchange (PTI) (On Hold)	255 90	31-Aug-21 A 01-Aug-23	27-Dec-23 16-Nov-23	12-Jul-22 06-Sep-22	26-Nov-22 22-Dec-22	-319 -264	
PRE-400 PRE-460	Prepare, Submit, Processing & Approval for MiC and its Foundation for ADB of STW (On Hold)	90	29-Aug-23	14-Dec-23	14-Jun-22	22-De0-22 28-Sep-22	-204	
PRE-465	Approved Status of E&M Submissions for STW Batch 1	0		23-Sep-23*		16-Apr-22	-525	
Public Transp	ort Interchange (PTI)	42	16-Aug-23	05-Oct-23	22-Sep-22	11-Nov-22	-264	· · · · · · · · · · · · · · · · · · ·
S7-497	PTI - Design for Foundation Temporary Works Preparation & Submission	21	16-Aug-23	08-Sep-23	22-Sep-22	18-Oct-22	-264	L
S7-498	PTI - Design for Foundation Temporary Works PM Review	21	09-Sep-23	05-Oct-23	19-Oct-22	11-Nov-22	-264	
S7-502	PTI - Design for Noise Barrier Preparation & Submission	21	16-Aug-23	08-Sep-23	22-Sep-22	18-Oct-22	-264	
S7-503	PTI - Design for Noise Barrier PM Review	21	09-Sep-23	05-Oct-23	19-Oct-22	11-Nov-22	-264	·
TAR3		6	29-Mar-22A	14-Jun-23	15-May-23	28-May-23	-17	, , ,
KD2-105A	TAR 3 - Design Approval	6	29-Mar-22A	14-Jun-23	15-May-23	28-May-23	-17	
Meander Bride	-	464	01-Aug-22 A	02-Sep-23	07-Sep-22	01-Mar-23	-151	
KD7-617 KD7-618	Meander Bridge Superstructure - Design (Temporary Works) Preparation & Submission Meander Bridge Superstructure - Design (Temporary Works) PM Review	30 21	01-Jun-23 08-Jul-23	07-Jul-23 01-Aug-23	22-Nov-22 29-Dec-22	28-Dec-22 27-Jan-23	-151 -151	
KD7-619	Meander Bridge Superstructure - Design (Temporary Works) Pixi Review	14	02-Aug-23	17-Aug-23	29-Dec-22 28-Jan-23	13-Feb-23	-151	
KD7-620	Meander Bridge Superstructure - Design (Temporary Works) Approval	14	18-Aug-23	02-Sep-23	14-Feb-23	01-Mar-23	-151	
KD7-650	Meander Bridge (PMI No. 048) Revised Design Resubmission	9	01-Aug-22 A	06-Jun-23	07-Sep-22	13-Sep-22	-213	
KD7-660	Meander Bridge (PMI No. 048) Design Approval	14	30-Aug-22 A	06-Jun-23	07-Sep-22	13-Sep-22	-213	
Nestern Conn	nection Road (WCR)	29	05-Aug-22 A	07-Jun-23	05-Nov-26	11-Nov-26	1016	
S6-9177	WCR - Design (Temporary Platform for DCM) Resubmission	14	05-Aug-22 A	06-Jun-23	05-Nov-26	10-Nov-26	1016	
S6-9187	WCR - Design (Temporary Platform for DCM) Approval	14	22-Aug-22 A	07-Jun-23	11-Nov-26	11-Nov-26	1016	
Site Office		486	07-Feb-22 A	26-Sep-23	05-Sep-26	11-Nov-26	923	
-	eption & Atrium Module	476	18-Feb-22 A	26-Sep-23	05-Sep-26	11-Nov-26	923	
PRE-0895	Innohub - Schematic for Approval	12	18-Feb-22 A	10-Aug-23	05-Sep-26	15-Sep-26	917	
PRE-0900	Innohub - Steel Structure Detail Design	12 25	18-Feb-22 A 18-Feb-22 A	10-Aug-23	05-Sep-26	15-Sep-26 23-Oct-26	917 934	·
PRE-0910 PRE-0915	Innohub - Facade Detail Design Innohub - MEP Detail Design	25	18-Feb-22 A 18-Feb-22 A	25-Aug-23 25-Aug-23	25-Sep-26 16-Oct-26	23-Oct-26 11-Nov-26	934 950	·
PRE-1005	Innohub - Interior Detail Design	25	18-Feb-22 A	25-Aug-23	06-Oct-26	31-Oct-26	930	
PRE-1045	Innohub - Exterior Staircase Design and Procurement	31	22-Aug-23	26-Sep-23	06-Oct-26	11-Nov-26	923	
PM Site Office		486	07-Feb-22 A	26-Sep-23	16-Sep-26	11-Nov-26	923	
PRE-0919	PM Office - Foundation Design	25	11-Feb-22 A	29-Aug-23	13-Oct-26	11-Nov-26	947	
PRE-0920	PM Office - Steel Structure Detail Design	13	07-Feb-22 A	25-Aug-23	16-Sep-26	02-Oct-26	917	
PRE-1055	PM Office - Exterior Staircase Design and Procurement	31	22-Aug-23	26-Sep-23	06-Oct-26	11-Nov-26	923	
Sewage Treatr	ment Works	785	01-Sep-21 A	25-Oct-23	18-Feb-22	01-Jul-22	-481	
STW - E&M		785	01-Sep-21 A	25-Oct-23	18-Feb-22	01-Jul-22	-481	
PRE-EM005	Subletting for E&M Subcontractor at STW	122	01-Sep-21 A	13-Sep-23	18-Feb-22	02-Apr-22	-529	
PRE-EM010 PRE-EM015	Submit CV of Treatment Specialist Design Team of E&M Subcontractor Move-in to LMCL S te Office	0	14-Sep-23		07-Apr-22		-525 -502	
	Design learn of EXM Subcontractor Move-in to LMCL Site Office	0	14-Sep-23* 14-Sep-23	23-Sep-23	29-Apr-22 07-Apr-22	16-Apr-22	-502	
PRE-EM020	Preparation & Submission of Design Submission Schedule	10	14-Sep-23	23-Sep-23	07-Apr-22	16-Apr-22	-525	
PRE-EM030	Preparation & Submission of Drawing Submission Schedule	10	14-Sep-23	23-Sep-23	07-Apr-22	16-Apr-22	-525	
	Material Submission Schedule	10	14-Sep-23	23-Sep-23	07-Apr-22	16-Apr-22	-525	
PRE-EM040	Preparation & Submission of Equipment & Material Submission Schedule	10	14-Sep-23	23-Sep-23	07-Apr-22	16-Apr-22	-525	
PRE-EM050	Preparation & Submission of Sample Submission Schedule	10	14-Sep-23	23-Sep-23	07-Apr-22	16-Apr-22	-525	
	Primary Treatment System)	42	14-Sep-23	25-Oct-23	21-May-22	01-Jul-22	-481	
PRE-EM070	Preparation & Submission of Inlet Works (Primary Treatment System)	42	14-Sep-23	25-Oct-23	21-May-22	01-Jul-22	-481	
	mentation System	42	14-Sep-23	25-Oct-23	07-Apr-22	18-May-22	-525	
PRE-EM100	Preparation & Submission of Primary Sedimentation System	42	14-Sep-23	25-Oct-23	07-Apr-22	18-May-22	-525	i i
	Actual Level of Effort Actual Work			Conti		020/01 - Lo broo Mor		
中国铁	• Kwan Lee - Paul Y. JV • Milostono				11	hree Mor	ith K	oning P

				June)				July				August				Septen		
21	2	3	04	32 11	18	25	02	09	33 16	23	30	06	34 13	20	27	03	35 10	17	24
			PMI No	. 148 - Quotati	Preparation PMI No.		ion view and Reply												
		 	PMI No	. 150 - Quotati	Preparation	*	ion view and Reply	 				: 	 	 			 	 	· · · · · · · · · · · · · · · · · · ·
			PMI No	159 - Quotati	on Preparation	and Submiss						, ,		 					
						T	view and Reply												
<u>+</u>			PMI No	. 163 - Quotati	on Preparation	and Submiss		- - - - - -		; 				 					
					PMI No.	163 - PM Re	view and Reply												<u>1</u>
2023)						 		 	· · · · · · · · · · · · · · · · · · ·			 		 					
		► PM	II No. 188 - I	lsşued (12 May	/ 2023)														
						T			· · · · · · · · · · · · · · · · · · ·				 			<u>+</u>			
No. 189 - Issue	a (30 Iviay	2023)				1 1 1		 	· • • • • • • • • • • • • • • • • • • •			 		 					
						+													
							Su	bletting for Pip	e Works					- 		Sub	etting for Drai	nage and Road	works for
								Subletting for	Modification	nd Maintainançe	of Existing F	Roundary Patro	Road (Area		l oon Mana	;			
																		¦	
																		Ch 1170-1430) (n 1170-1430) (F	
				- <mark> </mark>												.		Subletting for E	E&M Work
																Subletting	for Box Culve	rt (R.C. Works	s, Occupie
						+ + + + +								 					
						+												;	
																			🔶 Арр
				- 			<mark>-</mark>		· · · · · · · · · · · · · · · · · · · ·					 					
						 		 						L			PTI - Des	ign for Foundat	ion Tempo
				- L		1 1 1 1								L			PTI - Des	ign for Noise B	arrier Pre
	l					1	- !	4	· · · · · · · · · · · · · · · · · · ·					L					
	₁			T/	NR 3 - Design A	kproval		, ,				 	 			+			
						<u>+</u>	-¦	Meander Bri	dge Superstruc	ture - Design (Te		orks) Prepara der Bridge Su							
				- <u>-</u>												cture - Design	(Temporary V	Vorks) Resubr	
						+	n Resubmissio	γ γ	· · · · · · · · · · · · · · · · · · ·			 					r Bridge Super	structure - Des	sign (lemp
			Mea	ander Bridge (F	MI No. 048) D	esign Appro	val												
+						+) Resubmissio	1 1 						 					
+	 			/GR - Designi	Temporary Pla		ivi) Approva	 				 	 	 					
						 		 					nohub - Sche	matic for Appr	óval				
					-,	T								Structure Det	ail Design				
						+					-			F	Innohub-	Facade Detail MEP Detail De	sign		
						+ + + + +									¦ Innohub -	nterior Detail	Deslign		
					 -	 		 				 		 		M Office - Fou	ndation Desig	n ¦	
+						+										e - Steel Struct			+
															-				+
						1 1 T						ı ı ı		i i r		, , , , ,	, , ,	Subletting for E	E&M Subc
						T		1 1 1 1 									•	Submit CV of Design Team	f Tr eatmer
															-;				+
				-	 -	 		 				 		 	 			!	Prep
					 	 		 	 			1 1 1 1 1		 					Pret
								۲ ـ ـ ـ ـ	· • · · · · · · · · · · · · · · · · · ·			I		L					Pret
						- - - - - -			, - L			L I L							
						 						, , , ,		 					
n Works	Park	aue	1				Project ID : d		630				,			lling Progra	1		
amme		ოყი	•				Layout : YL-0 Date : 30-Jun		of 11			Da 31-May-2		Re MPR No. 2	vision 3	C	necked	Approv	<i>i</i> ed
													I				1		

D	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float		
Box Culverts		56	01-Aug-23	06-Oct-23	19-Feb-22	09-May-23	-124	07	
	l (Ch 75-274.779)	56	01-Aug-23	06-Oct-23	01-Dec-22	09-May-23	-124	L	
12A-102	Box Culvert A1 (Portion 18A) - Design for Temporary Works Preparation and Submission (Area Occupied)	14	01-Aug-23	16-Aug-23	28-Feb-23	15-Mar-23	-124		
12A-103	Box Culvert A1 (Portion 18A) - Design for Temporary Works PM Review	21	17-Aug-23	09-Sep-23	16-Mar-23	13-Apr-23	-124		
12A-104	Box Culvert A1 (Portion 18A) - Design for Temporary Works Resubmission	7	11-Sep-23	18-Sep-23	14-Apr-23	21-Apr-23	-124		
12A-105	Box Culvert A1 (Portion 18A) - Design for Temporary Works Approval	14	19-Sep-23	06-Oct-23	22-Apr-23	09-May-23	-124		
12C-107 12C-108	Box Culvert A1 (Portion 18C) - Design for Temporary Works Preparation and Submission (Area Occupied) Box Culvert A1 (Portion 18C) - Design for Temporary Works PM Review	21	01-Aug-23 17-Aug-23	16-Aug-23 09-Sep-23	01-Dec-22 17-Dec-22	16-Dec-22 13-Jan-23	-193 -193	·	
12C-109	Box Culvert A1 (Portion 18C) - Design for Temporary Works Resubmission	7	11-Sep-23	18-Sep-23	14-Jan-23	26-Jan-23	- 193		
12C-110	Box Culvert A1 (Portion 18C) - Design for Temporary Works Approval	7	19-Sep-23	26-Sep-23	27-Jan-23	03-Feb-23	-193		'-
Box Culvert A	3	56	01-Aug-23	06-Oct-23	19-Feb-22	29-Apr-22	-426	·	
12B-102	Box Culvert A3 (Portion 18B) - Design for Temporary Works Preparation and Submission (Area Occupied)	14	01-Aug-23	16-Aug-23	19-Feb-22	07-Mar-22	-426		
12B-103	Box Culvert A3 (Portion 18B) - Design for Temporary Works PM Review	21	17-Aug-23	09-Sep-23	08-Mar-22	31-Mar-22	-426		
12B-104	Box Culvert A3 (Portion 18B) - Design for Temporary Works Resubmission	7	11-Sep-23	18-Sep-23	01-Apr-22	09-Apr-22	-426		
12B-106	Box Culvert A3 (Portion 18B) - Design for Temporary Works Approval	14	19-Sep-23	06-Oct-23	11-Apr-22	29-Apr-22	-426		
etaining Wal	ls	79	13-Jul-23	14-Oct-23	12-Nov-22	29-Mar-23	-161		
RW2		42	15-Aug-23	04-Oct-23	09-Feb-23	29-Mar-23	-152		
RW-200	RW2 - Design for Temporary Works Preparation & Submission	14	15-Aug-23	30-Aug-23	09-Feb-23	24-Feb-23	-152		
RW-210	RW2 - Design for Temporary Works FM Review	14	31-Aug-23	15-Sep-23	25-Feb-23	13-Mar-23	-152		
RW-220 RW-230	RW2 - Design for Temporary Works Resubmission RW2 - Design for Temporary Works Approval	7	16-Sep-23 25-Sep-23	23-Sep-23 04-Oct-23	14-Mar-23 22-Mar-23	21-Mar-23 29-Mar-23	-152 -152	· L	
RW3	RW2- Designion temporary works Approval	42	25-Sep-23	04-Oct-23	09-Feb-23	29-Mar-23	-152	·	
RW-300	RW3 - Design for Temporary Works Preparation & Submission	14	15-Aug-23	30-Aug-23	09-Feb-23	23-1vial-23	-152		
RW-300 RW-310	RW3- Design for Temporary Works PH Peview	14	31-Aug-23	30-Aug-23 15-Sep-23	25-Feb-23	13-Mar-23	- 152		
RW-320	RW3- Design for Temporary Works Resubmission	7	16-Sep-23	23-Sep-23	14-Mar-23	21-Mar-23	-152		
RW-330	RW3 - Design for Temporary Works Approval	7	25-Sep-23	04-Oct-23	22-Mar-23	29-Mar-23	-152		
RW4		30	08-Sep-23	14-Oct-23	12-Nov-22	16-Dec-22	-242		
RW-400	RW4 - Design for Temporary Works Preparation & Submission	30	08-Sep-23	14-Oct-23	12-Nov-22	16-Dec-22	-242		
PW1		72	13-Jul-23	06-Oct-23	29-Dec-22	28-Mar-23	-155		
RW-540	PW1 - Design for Temporary Works Preparation & Submission	30	13-Jul-23	16-Aug-23	29-Dec-22	07-Feb-23	- 155		
RW-550	RW4 - Design for Temporary Works PM Review	21	17-Aug-23	09-Sep-23	08-Feb-23	03-Mar-23	- 155		'
RW-560	RW4 - Design for Temporary Works Resubmission	7	11-Sep-23	18-Sep-23	04-Mar-23	11-Mar-23	-155		
RW-570	RW4 - Design for Temporary Works Approval	14	19-Sep-23	06-Oct-23	13-Mar-23	28-Mar-23	- 155		
brication an	nd Delivery	304	17-Jan-22 A	13-Apr-24	01-Jun-23	11-Nov-26	367		
ite Office		505	17-Jan-22 A	05-Oct-23	16-Sep-26	11-Nov-26	917		
nnohub / Rece	eption & Atrium Module	478	17-Jan-22 A	01-Sep-23	16-Oct-26	11-Nov-26	944		
SO-1020	Innohub - Material Procurement and Production Steel Structure	37	17-Jan-22 A	12-Aug-23	30-Oct-26	11-Nov-26	961		
SO-1050	Innohub - Material Procurement Facade (Window and Cladding)	30	12-Feb-22 A	25-Aug-23	16-Oct-26	11-Nov-26	950		
SO-1060	Innohub - Material Procurement MEP	30	12-Feb-22 A	25-Aug-23	16-Oct-26	11-Nov-26	950		
SO-1070	Innohub - Material Procurement Interior Fittings & Flooring	30	12-Feb-22 A	25-Aug-23	16-Oct-26	11-Nov-26	950		
SO-1400	Innohub - Exterior Staircase Shipment	10	22-Aug-23	01-Sep-23	31-Oct-26	11-Nov-26	944		
PM Site Office		55	01-Aug-23	05-Oct-23	16-Sep-26	11-Nov-26	917		
SO-1025	PM Office - Preparation Embed Procurement	25	01-Aug-23	29-Aug-23	13-Oct-26	11-Nov-26	947		
SO-1030	PM Office - Material Procurement and Production Steel Structure	46	11-Aug-23	05-Oct-23	16-Sep-26	11-Nov-26	917		
SO-1080	PM Office - Material Procurement Facade (Window and Cladding) PM Office - Material Procurement MEP	38	11-Aug-23	23-Sep-23	25-Sep-26	11-Nov-26	925		
SO-1090 SO-1100	PM Office - Material Procurement Interior Fittings & Flooring	38	11-Aug-23	23-Sep-23	25-Sep-26 25-Sep-26	11-Nov-26 11-Nov-26	925 925	·	
SO-1100 SO-1110	PM Office - Material Procurement Toilet	38	11-Aug-23 11-Aug-23	23-Sep-23 23-Sep-23	25-Sep-26	11-Nov-26	925		
SO-1410	PM Office - Exterior Staircase Shipment	10	22-Aug-23	01-Sep-23	31-Oct-26	11-Nov-26	925		
	nent Works - Major Equipment Fabrication & Delivery	318	01-Jun-23	13-Apr-24	01-Jun-23	13-Apr-24	0	·	
		180	12-Sep-23	09-Mar-24	12-Sep-23	09-Mar-24	0		
STW Inlet Purr S8.EM-0010	Procurement & Fabrication of Inlet Pumps	180	12-Sep-23*	09-Mar-24	12-Sep-23	09-Mar-24	0		
	ne Filtration System	210	17-Sep-23	13-Apr-24	17-Sep-23	13-Apr-24	0		
S8.EM-0070	Procurement & Fabrication of FAT of Membrane Filtration System	210	17-Sep-23	13-Apr-24	17-Sep-23	13-Apr-24	0		
	ization System	198	01-Jun-23	15-Dec-23	01-Jun-23	15-Dec-23	0	·	
S8.EM-160	Procurement & Fabrication of DOU no. 1, 2 & 3	198	01-Jun-23*	15-Dec-23	01-Jun-23	15-Dec-23	0		
te Office and		103	06-Jan-23 A	26-Sep-23	14-Jan-22	31-Dec-22	-105		
		114	13-May-23 A	26-Sep-23	14-Jan-22	21-May-22	-402		
	, Innohub, Reception & Atrium		-						
Preparation SO-1505	Issue PMI for PM Office	24	13-May-23 A 13-May-23 A	10-Jun-23 13-May-23 A	14-Jan-22 14-Jan-22	24-Jan-22 14-Jan-22	-402		
SO-1505	Install embed (for footing GL 26-36)	5	13-May-23 A	13-1viay-23 A 18-May-23 A	14-Jan-22	14-Jan-22			
SO-1565	Carry out survey check of embed setting out and level	12	15-May-23 A	29-May-23 A	14-Jan-22	14-Jan-22			
SO-1575	Weld connection plate to the embed	21	17-May-23 A	10-Jun-23	14-Jan-22	24-Jan-22	-402		
	I-14 Including Innohub / Reception & Atrium / PM Office (55 modules)	75	22-May-23 A	19-Aug-23	14-Jan-22	25-Apr-22	-391		
SO-1515	Module Installation and Connection GL 1-14 - G/F (23 nos.)	4	22-May-23 A	25-May-23 A	14-Jan-22	14-Jan-22		L	
SO-1585	Module Installation GL 1-12-1/F (19 nos)	4	27-May-23 A	31-May-23 A	14-Jan-22	14-Jan-22			
	Module Installation GL 1-10 - 2/F (13 nos)	2	01-Jun-23	02-Jun-23	14-Jan-22	15-Jan-22	-402		
SO-1595	MEP Installation	10	03-Jun-23	14-Jun-23	29-Jan-22	15-Feb-22	-391		
SO-1605		60	09-Jun-23	19-Aug-23	10-Feb-22	25-Apr-22	-391		
SO-1605 SO-1615	Finishing and fitting out installation (including roof)		00 km 00	16-Aug-23	17-Jan-22	25-Apr-22	-388		
SO-1605 SO-1615 Phase 2 - GL 1	Finishing and fitting out installation (including roof) 14-26 including PM Site Office (75 modules)	62	03-Jun-23				-402		
SO-1605 SO-1615 Phase 2 - GL 1 SO-1525	Finishing and fitting out installation (including roof) 14-26 including PM Site Office (75 modules) Module Installation GL 14-26 - G/F (25 nos)	5	03-Jun-23	08-Jun-23	17-Jan-22	21-Jan-22		-	
SO-1605 SO-1615 Phase 2 - GL 1 SO-1525 SO-1625	Finishing and fitting out installation (including roof) 14-26 including PM Site Office (75 modules) Module Installation GL 14-26 - G/F (25 nos) Module Installation GL 12-24 - G/F (25 nos)	5 4	03-Jun-23 09-Jun-23	13-Jun-23	22-Jan-22	26-Jan-22	-402		
SO-1605 SO-1615 Phase 2 - GL 1 SO-1525 SO-1625 SO-1635	Finishing and fitting out installation (including roof) Id-26 including PM Site Office (75 modules) Module Installation GL 14-26 - G/F (25 nos) Module Installation GL 12-24 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos)	5 4 5	03-Jun-23 09-Jun-23 14-Jun-23	13-Jun-23 19-Jun-23	22-Jan-22 27-Jan-22	26-Jan-22 07-Feb-22	-402	·	
SO-1605 SO-1615 Phase 2 - GL 1 SO-1525 SO-1625 SO-1635 SO-1645	Finishing and fitting out installation (including roof) 14-26 including PM Site Office (75 modules) Module Installation GL 14-26 - G/F (25 nos) Module Installation GL 12-24 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos) MEP Installation	5 4 5 21	03-Jun-23 09-Jun-23 14-Jun-23 20-Jun-23	13-Jun-23 19-Jun-23 15-Jul-23	22-Jan-22 27-Jan-22 24-Feb-22	26-Jan-22 07-Feb-22 19-Mar-22	-402 -388	·	
SO-1605 SO-1615 Phase 2 - GL 1 SO-1525 SO-1625 SO-1625 SO-1645 SO-1655	Finishing and fitting out installation (including roof) I4-26 including PM Site Office (75 modules) Module Installation GL 14-26 - G/F (25 nos) Module Installation GL 12-24 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos) Mcdule Installation GL 10-22 - G/F (25 nos) MEP Installation Finishing and fitting out installation (including roof)	5 4 5 21 42	03-Jun-23 09-Jun-23 14-Jun-23 20-Jun-23 28-Jun-23	13-Jun-23 19-Jun-23 15-Jul-23 16-Aug-23	22-Jan-22 27-Jan-22 24-Feb-22 03-Mar-22	26-Jan-22 07-Feb-22 19-Mar-22 25-Apr-22	-402 -388 -388	· · · · · · · · · · · · · · · · · · ·	
SO-1605 SO-1615 Phase 2 - GL 1 SO-1525 SO-1625 SO-1635 SO-1635 SO-1645 SO-1655 Phase 3 - GL 2	Finishing and fitting out installation (including roof) Id-26 including PM Site Office (75 modules) Module Installation GL 14-26 - G/F (25 nos) Module Installation GL 12-24 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos) MEP Installation Finishing and fitting out installation (including roof) Particular of the out installation (including roof) Particular of the out installation (including roof)	5 4 5 21 42 83	03-Jun-23 09-Jun-23 14-Jun-23 20-Jun-23 28-Jun-23 20-Jun-23	13-Jun-23 19-Jun-23 15-Jul-23 16-Aug-23 26-Sep-23	22-Jan-22 27-Jan-22 24-Feb-22 03-Mar-22 08-Feb-22	26-Jan-22 07-Feb-22 19-Mar-22 25-Apr-22 21-May-22	-402 -388 -388 -402		
SO-1605 SO-1615 Phase 2 - GL 1 SO-1525 SO-1625 SO-1635 SO-1645 SO-1655 Phase 3 - GL 2 SO-1535	Finishing and fitting out installation (including roof) I4-26 including PM Site Office (75 modules) Module Installation GL 14-26 - G/F (25 nos) Module Installation GL 12-24 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos) Mether Installation GL 10-22 - G/F (25 nos) Mether Installation Finishing and fitting out installation (including roof) 26-36 including PM Site Office (72 modules) Module Installation GL 26-36 - G/F (25 nos)	5 4 5 21 42 83 4	03-Jun-23 09-Jun-23 14-Jun-23 20-Jun-23 28-Jun-23 20-Jun-23 20-Jun-23	13-Jun-23 19-Jun-23 15-Jul-23 16-Aug-23 26-Sep-23 24-Jun-23	22-Jan-22 27-Jan-22 24-Feb-22 03-Mar-22 08-Feb-22 08-Feb-22	26-Jan-22 07-Feb-22 19-Mar-22 25-Apr-22 21-May-22 11-Feb-22	-402 -388 -388 -388 -402 -402		
SO-1605 SO-1615 Phase 2 - GL 1 SO-1525 SO-1625 SO-1635 SO-1645 SO-1655 Phase 3 - GL 2	Finishing and fitting out installation (including roof) Id-26 including PM Site Office (75 modules) Module Installation GL 14-26 - G/F (25 nos) Module Installation GL 12-24 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos) Module Installation GL 10-22 - G/F (25 nos) MEP Installation Finishing and fitting out installation (including roof) Particular of the out installation (including roof) Particular of the out installation (including roof)	5 4 5 21 42 83	03-Jun-23 09-Jun-23 14-Jun-23 20-Jun-23 28-Jun-23 20-Jun-23	13-Jun-23 19-Jun-23 15-Jul-23 16-Aug-23 26-Sep-23	22-Jan-22 27-Jan-22 24-Feb-22 03-Mar-22 08-Feb-22	26-Jan-22 07-Feb-22 19-Mar-22 25-Apr-22 21-May-22	-402 -388 -388 -402	· · · · · · · · · · · · · · · · · · ·	



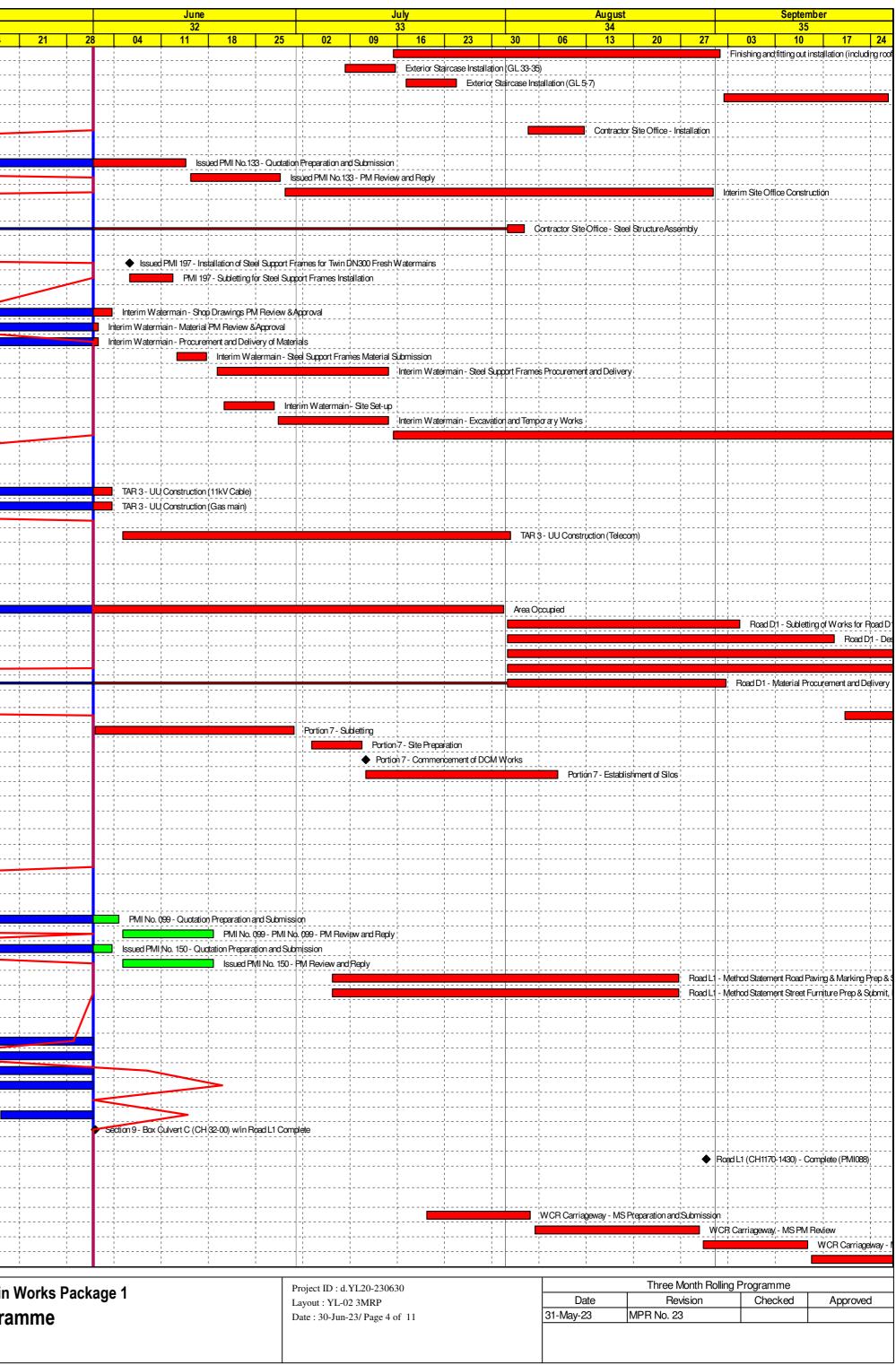
Actual Level of Effort Actual Work Remaining Work Critical Remaining Work Milestone Contract YL/2020/01 - Lok Ma Chau Loop Main Works Package 1 Three Month Rolling Programme



ivity ID	Activity Name	Orig	Early Start	Early Finish	Late Start	Late Finish	Total	May
		Dur					Float	31 07 1
SO-1695	Finishing and fitting out installation (including roof)	42	15-Jul-23	01-Sep-23	03-Mar-22	25-Apr-22	-402	
SO-1705	Exterior Staircase Installation (GL 33-35)	7	08-Jul-23	15-Jul-23	06-Apr-22	13-Apr-22	-368	
SO-1715	Exterior Staircase Installation (GL 5-7)	7	17-Jul-23	24-Jul-23	14-Apr-22	25-Apr-22	-368	
	Solar Panel Installation at Roof (Subject for further instruction)	21	02-Sep-23	26-Sep-23*	26-Apr-22	21-May-22	-402	
Contractor Site		8	04-Aug-23	12-Aug-23	25-Feb-22	05-Mar-22	-424	
	Contractor Site Office - Installation	8	04-Aug-23	12-Aug-23*	25-Feb-22	05-Mar-22	-424	
	ce for Contractor's Staff and Part of RSS Team	93	06-Jan-23 A	31-Aug-23	30-Sep-22	31-Dec-22	-95	·
	Issued PMI No.133 - Quotation Preparation and Submission	21	06-Jan-23 A	14-Jun-23	30-Sep-22	13-Oct-22	-244	
	Issued PMI No.133 - PM Review and Reply Interim Site Office Construction	14 54	15-Jun-23 29-Jun-23	28-Jun-23 31-Aug-23*	14-Oct-22 28-Oct-22	27-Oct-22 31-Dec-22	-244 -195	
		532	17-Feb-22 A	02-Dec-23	22-Feb-22	26-Oct-22	- 190	
	- Interim Watermain							
	Contractor Site Office - Steel Structure Assembly	7	17-Feb-22 A	03-Aug-23	22-Feb-22	24-Feb-22	-424	
KD1 - Subletting		6	06-Jun-23	12-Jun-23	26-Apr-22	04-May-22	-327	
	Issued PMI 197 - Installation of Steel Support Frames for Twin DN300 Fresh Watermains	0		06-Jun-23*	~ 4 ~ ~	26-Apr-22	-327	
	PMI 197 - Subletting for Steel Support Frames Installation	6 85	06-Jun-23 29-Mar-23A	12-Jun-23 14-Jul-23	27-Apr-22 05-May-22	04-May-22 06-Jun-22	-327 -327	
KD1 - Submissi								
	Interim Watermain - Shop Drawings PM Review & Approval	12	26-Apr-23 A	03-Jun-23	10-May-22	12-May-22	-314	
	Interim Watermain - Material PM Review & Approval Interim Watermain - Procurement and Delivery of Materials	12 50	14-Apr-23 A 29-Mar-23 A	01-Jun-23 01-Jun-23	13-May-22 18-May-22	13-May-22 18-May-22	-311 -307	·····
	Interim Watermain - Steel Support Frames Material Submission	5	13-Jun-23	17-Jun-23	05-May-22	11-May-22	-327	
	Interim Watermain - Steel Support Frames Procurement and Delivery	21	19-Jun-23	14-Jul-23	12-May-22	06-Jun-22	-327	
KD1 - Construct		138	20-Jun-23	02-Dec-23	13-May-22	26-Oct-22	-327	
	Interim Watermain - Site Set-up	6	20-Jun-23	27-Jun-23	13-May-22	19-May-22	-327	
	Interim Watermain - Excavation and Tempor ary Works	14	28-Jun-23	14-Jul-23	20-May-22	06-Jun-22	-327	
	Interim Watermain - Pipe Laying (Twin DN300, 624m at 4m/d)	118	15-Jul-23	02-Dec-23	07-Jun-22	26-Oct-22	-327	·L
Key Date KD2	- TAR 3	360	05-Dec-22A	26-Feb-24	13-May-22	15-Jul-23	-183	
KD2 - Construct		360	05-Dec-22A	26-Feb-24	13-May-22	15-Jul-23	-183	·
	TAR 3 - UU Construction (11kV Cable)	46	05-Dec-22A	03-Jun-23	15-May-23	17-May-23	-14	
	TAR 3 - UU Construction (TIKV Cable) TAR 3 - UU Construction (Gas main)	46 24	15-Dec-22A	03-Jun-23	15-May-23 15-May-23	17-May-23 17-May-23	- 14	
	TAR 3 - UU Construction (Twin DN300 Water main, as KD1)	204	20-Jun-23	26-Feb-24	13-May-22	14-Jan-23	-327	· · · · · · · · · · · · · · · · · · ·
	TAR 3 - UU Construction (Telecom)	48	05-Jun-23	01-Aug-23	18-May-23	15-Jul-23	-14	
Key Date KD3	- Road D1 and L1	317	21-Feb-22 A	15-Jun-24	30-Jan-22	11-Nov-26	342	
KD3 - ROAD D1		317	21-Feb-22 A	15-Jun-24	30-Jan-22	28-Jun-23	-138	
								·
KD3 - D1 - Subm		220	21-Feb-22 A	11-Oct-23	30-Jan-22	17-Jun-22	-180	·
	Area Occupied	525	22-Feb-22 A	31-Jul-23	30-Jan-22	31-Mar-22	-487	
	Road D1 - Subletting of Works for Road D1 Road D1 - Design & MS Site Formation Prep & Submit(7d), PM Review(21d), Resubmission(6d), Approval(14d)	30 42	01-Aug-23 01-Aug-23	04-Sep-23 18-Sep-23	01-Apr-22 01-Apr-22	12-May-22 26-May-22	-391 -391	
	Road D1 - Design & MS Drainage Prep & Submit(15d), PM Review(21d), Resubmission(10d), Approval(14d)	<u>-</u> 60	01-Aug-23	11-Oct-23	01-Apr-22	17-Jun-22	-391	·
	Road D1 - Design & MS Watermains Prep & Submit(15d), PM Review(21d), Resubmission(10d), Approval(14d)	60	01-Aug-23	11-Oct-23	01-Apr-22	17-Jun-22	-391	
KD3-1035	Road D1 - Material Procurement and Delivery	30	21-Feb-22 A	02-Sep-23	14-May-22	17-Jun-22	-360	
KD3 - D1 - DCM	Works at Portion 7 (Area Occupied - Partial)	149	01-Jun-23	15-Jun-24	20-Aug-22	28-Jun-23	-138	
S7-1425	Portion 7 - Surcharging Works	270	20-Sep-23	15-Jun-24	02-Oct-22	28-Jun-23	-353	
S7-1426	Portion 7 - Subletting	25	01-Jun-23*	30-Jun-23	20-Aug-22	19-Sep-22	-228	
S7-1428	Portion 7 - Site Preparation	7	03-Jul-23	10-Jul-23	20-Sep-22	27-Sep-22	-228	
	Portion 7 - Commencement of DCM Works	0	11-Jul-23		28-Sep-22		-228	
	Portion 7 - Establishment of Silos	25	11-Jul-23	08-Aug-23	28-Sep-22	28-Oct-22	-228	
	Portion 7 - DCM Works Road D1 - Portion 7 DCM Clusters Stage 1 (15.2,15.2b, 200m)	232	09-Aug-23	23-May-24 28-Sep-23	06-Oct-22	06-Oct-22 06-Oct-22	-479 -291	· · · · · · · · · · · · · · · · · · ·
KD3 - D1 - Const		14	28-Sep-23	17-Oct-23	31-May-22	17-Jun-22	-396	
		14	28-Sep-23	17-Oct-23	31-May-22	17-Jun-22	-396	· · · · · · · · · · · · · · · · · · ·
	Stage 1 (Road Next to Portion 15.2 and 15.2b) Road D1 Stage 1 (15.2, 15.2b, 200,m) - DCM Complete (15.2, 15.2b)	0	20-04720	28-Sep-23	J1-IVIdy-22	31-May-22	-396	
	Road D1 Stage 1 (15.2, 15.20, 200,m) - DCM Complete (15.2, 15.20) Road D1 Stage 1 (15.2, 15.20, 200,m) - Site Formation	14	29-Sep-23	17-Oct-23	01-Jun-22	17-Jun-22	-396	
KD3 - ROAD L1		124	17-Oct-22 A	30-Aug-23	27-Mar-23	11-Nov-26	455	
KD3 - L1 - Subm		122	17-Oct-22 A	26-Aug-23	27-Mar-23	09-Sep-26	432	
r	PMI No. 099 - Quotation Preparation and Submission	21	17-Oct-22 A	04-Jun-23	23-Aug-26	26-Aug-26	1179	
	PMI No. 099 - PMI No. 099 - PM Review and Reply	14	05-Jun-23	18-Jun-23	23-Aug-26	20-Aug-20 09-Sep-26	1179	
	Issued PMI No. 150 - Quotation Preparation and Submission	21	21-Mar-23A	03-Jun-23	24-Aug-26	26-Aug-26	1180	
	Issued PMI No. 150 - PM Review and Reply	14	05-Jun-23	18-Jun-23	27-Aug-26	09-Sep-26	1179	
	Road L1 - Method Statement Road Paving & Marking Prep & Submit, PM Review, Resubmission, Approval	45	06-Jul-23	26-Aug-23	27-Mar-23	23-May-23	-79	
KD3-1195	Road L1 - Method Statement Street Furniture Prep & Submit, PM Review , Resubmission , Approval	45	06-Jul-23	26-Aug-23	27-Mar-23	23-May-23	-79	·
KD3 - L1 - Const	truction	220	22-Nov-22A	30-Aug-23	19-May-23	11-Nov-26	946	
KD3 - Road L1 S	Stage 1 (Portion 18C, Next to Portion 17B Hammerhead) 260m	220	22-Nov-22A	30-Aug-23	19-May-23	11-Nov-26	946	
KD3-5315	Portion 18C Road L1 (CH1170-1430) - Stage 1 (Building 11)	201	22-Nov-22A	12-Aug-23	19-May-23	31-Jul-23	-11	
	Portion 18C Road L1 (CH1170-1430) - Stage 2 (Building 12)	106	02-Feb-23 A	12-Aug-23	19-May-23	31-Jul-23	-11	
	Portion 18C Road L1 (CH1170-1430) - Stage 3 (Building 8)	39	16-Jan-23 A	27-Jul-23	06-Jul-23	31-Jul-23	3	
	Portion 18C Road L1 (CH1170-1430) - Stage 4 (Building 9)	123	01-Mar-23A	09-Aug-23	22-May-23	31-Jul-23	-8	
	Portion 18C Road L1 (CH1170-1430) - Stage 5 (Building 12, Box C) Portion 18C Road L1 (CH1170-1430) - Stage 6 (CLPSS)	59 75	19-Jun-23 18-May-23 A	28-Aug-23 12-Aug-23	20-May-23 29-Jun-23	31-Jul-23 31-Jul-23	-24 -11	
	Portion 18C Road L1 (CH1170-1430) - Stage 6 (CLPSS) Section 9 - Box Culvert C (CH 32-00) w/in Road L1 Complete	0	10-1VIdy-20 A	01-Jun-23	23-JUI F23	31-Jul-23 11-Nov-26	1022	
KD3-5345	Portion 18C Road L1 (CH1170-1430) - Footpath	15	27-Jul-23	12-Aug-23	14-Jul-23	31-Jul-23	-11	
	Road L1 (CH1170-1430) - Complete (PMI088)	0		30-Aug-23		31-Jul-23	-26	
KD3-5350	(1) A A A A A A A A A A A A A A A A A A A		20-Jul-23	11-Oct-23	21-Dec-22	20-Mar-23	-166	
KD3-5350 KD3-5360		70						·
KD3-5350 KD3-5360 Key Date KD4	- WCR Carriageway + 1 Footpath			11 0 - 2 - 20	Of Dec CO	00 Mar 00	400	· · · · · · · · · · · · · · · · · · ·
KD3-5350 KD3-5360 Key Date KD4 KD4 - Submissi	- WCR Carriageway + 1 Footpath ions	70	20-Jul-23	11-Oct-23	21-Dec-22	20-Mar-23	-166	
KD3-5350 KD3-5360 Key Date KD4 KD4 - Submissi KD4-1000	- WCR Carriageway + 1 Footpath ions WCR Carriageway - MS Preparation and Submission	70 14	20-Jul-23	04-Aug-23	21-Dec-22	09-Jan-23	- 166	· · · · · · · · · · · · · · · · · · ·
KD3-5350 KD3-5360 Key Date KD4 KD4 - Submissi KD4-1000 KD4-1005	- WCR Carriageway - MS Preparation and Submission WCR Carriageway - MS Preparation and Submission WCR Carriageway - MS PM Review	70 14 21	20-Jul-23 05-Aug-23	04-Aug-23 29-Aug-23	21-Dec-22 10-Jan-23	09-Jan-23 07-Feb-23	- 166 - 166	· · · · · · · · · · · · · · · · · · ·
KD3-5350 KD3-5360 Key Date KD4 KD4 - Submissi KD4-1000 KD4-1005 KD4-1010	- WCR Carriageway + 1 Footpath ions WCR Carriageway - MS Preparation and Submission	70 14	20-Jul-23	04-Aug-23	21-Dec-22	09-Jan-23	- 166	



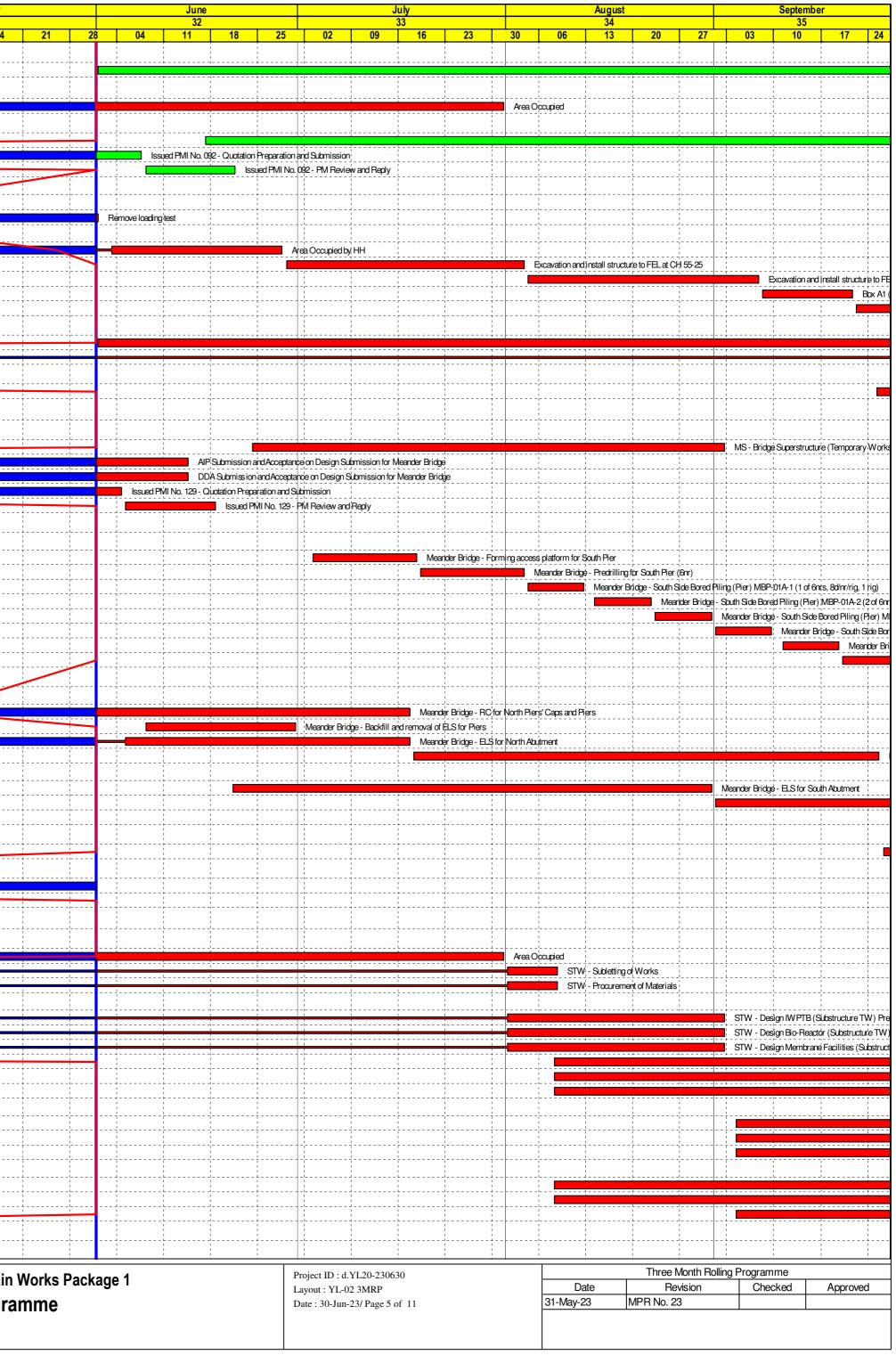




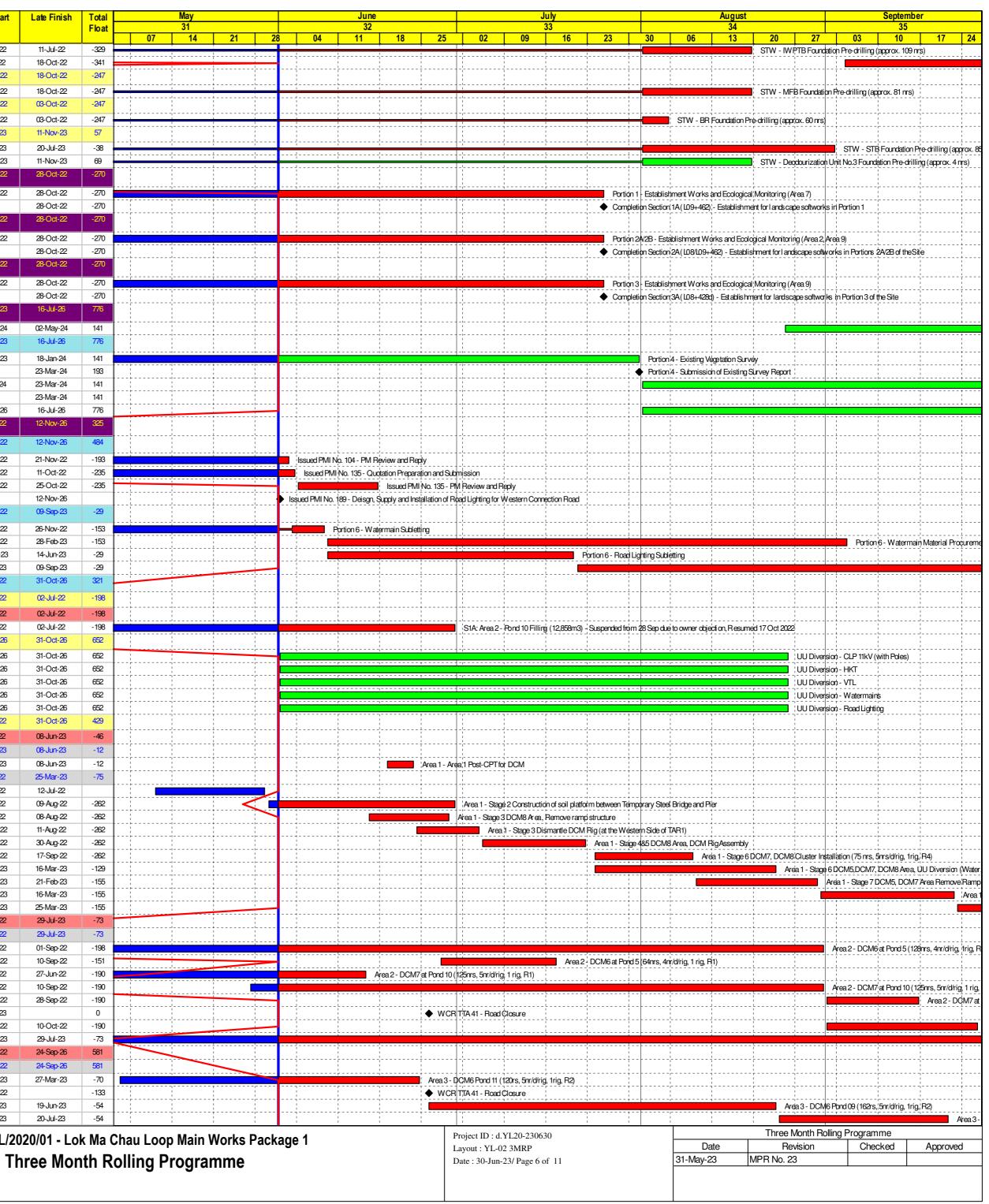
		Dur					Float	31 07 14
ey Date KD5	5 - Reedbeds Transplanting (Area Occupied)	240	01-Jun-23	20-Mar-24	27-Aug-24	21-Jun-25	368	
5-1000	Reedbeds - Preparation and Procurement Works	240	01-Jun-23	20-Mar-24	27-Aug-24	21-Jun-25	368	
/ Date KD6	6 - Box Culverts A2 and A1 in Portion 7	244	07-Feb-22 A	27-Nov-23	25-Dec-21	11-Nov-26	421	
0400	Area Occupied	525	22-Feb-22 A	31-Jul-23	25-Dec-21	23-Feb-22	-523	
6 - Box Culv	vert A1 (Portion 7, CH 0-75) 75m (CSD Scheme)	165	13-Jan-23 A	30-Oct-23	25-Nov-22	11-Nov-26	432	
5105	Interface Portion 7 - CLP ESS Excavation and ELS Installation (Depth 4m from Existing Level)	110	17-Jun-23	30-Oct-23	17-Oct-23	01-Mar-24	100	
-5251	Issued PMI No. 092 - Quotation Preparation and Submission	21	13-Jan-23 A	07-Jun-23	22-Oct-26	28-Oct-26	1239	
-5252	Issued PMI No. 092 - PM Review and Reply	14	08-Jun-23	21-Jun-23	29-Oct-26	11-Nov-26	1239	
	(CH 0-75) Foundation (CSD)	2	31-Mar-23A	01-Jun-23	25-Nov-22	25-Nov-22	-147	
	(CH 0-75) Loa ding Test	2	31-Mar-23A	01-Jun-23	25-Nov-22	25-Nov-22	-147	
KD6-5570	Remove loading test	2	31-Mar-23A 04-May-23 A	01-Jun-23 30-Oct-23	25-Nov-22 29-Nov-22	25-Nov-22 04-May-23	-147	·
	(CH 0-75) ELS Installation and Structure Construction					-		· · · · · · · · · · · · · · · · · · ·
D6-5462 D6-5470	Area Occupied by HH Excavation and install structure to FEL at CH 55-25	40 30	04-May-23 A 29-Jun-23	28-Jun-23 03-Aug-23	29-Nov-22 23-Dec-22	22-Dec-22 03-Feb-23	-147	·
D6-5470 D6-5480	Excavation and install structure to FEL at CH 25-5	30	29-Jul F23 04-Aug-23	07-Sep-23	04-Feb-23	10-Mar-23	- 147	
D6-5490	Box A1 (CH 0-75) - Pile HeadTreatment	12	08-Sep-23	21-Sep-23	11-Mar-23	24-Mar-23	-147	
D6-5500	Box A1 (CH 0-75) - Base Slab Construction	30	22-Sep-23	30-Oct-23	25-Mar-23	04-May-23	-147	
06 - Box Culv	vert A2 (Including Border Patrol Road & Portion 7)	244	07-Feb-22 A	27-Nov-23	25-Dec-21	22-Jun-22	-196	
06-0500	Portion 7 - Application to Border Police for Boundary Patrol Road TTA	180	01-Jun-23	27-Nov-23	25-Dec-21	22-Jun-22	-523	
6-1005	Portion 7 - Box Culvert A2 Method Statement Submission and Approval	18	07-Feb-22 A	27-Nov-23	17-Jun-22	22-Jun-22	-426	
6 - Box Culv	vert A1 (Portion 7, Road D1, CH 247-274) 27m (Area Occupied)	18	25-Sep-23	17-Oct-23	31-May-22	21-Jun-22	-393	
6-1070	Portion 7 - Box Culvert A1 Method Statement Preparation, Review and Approval	18	25-Sep-23	17-Oct-23	31-May-22	21-Jun-22	-393	·
		270	15-Jan-22 A	15-Jan-24	31-Aug-22	11-Aug-23	-61	
	7 - Meander Bridge and CLP Transformer Delivery							4
7 - Submiss		217	15-Jan-22 A	02-Sep-23	22-Sep-22	01-Mar-23	-72	.
07-1185	MS - Bridge Superstructure (Temporary Works) Prep & Submit, PM Review, Resubmit, Approval	60	24-Jun-23	02-Sep-23	14-Dec-22	01-Mar-23	-151	· · · · · · · · · · · · · · · · · · ·
7-2025	AIP Submission and Acceptance on Design Submission for Meander Bridge	51	15-Jan-22 A	14-Jun-23	26-Oct-22	08-Nov-22	-174	
7-2035 7-2110	DDA Submission and Acceptance on Design Submission for Meander Bridge Issued PMI No. 129 - Quotation Preparation and Submission	33 21	29-Jan-22 A 31-Dec-22 A	14-Jun-23	26-Oct-22 22-Sep-22	08-Nov-22 25-Sep-22	-174 -252	·
7-2110 17-2115	Issued PMI No. 129 - Quotation Preparation and Submission Issued PMI No. 129 - PM Review and Reply	14	31-Dec-22A 05-Jun-23	04-Jun-23 18-Jun-23	22-Sep-22 26-Sep-22	25-Sep-22 09-Oct-22	-252	
)7 - Substruc		76	03-Jul-23	28-Sep-23	10-Oct-22	09-Jan-23	-232	
eander Bridge		76	03-Jul-23	28-Sep-23	10-Oct-22	09-Jan-23	-213	
D7-2715	Meander Bridge - Forming access platform for South Pier	14	03-Jul-23	18-Jul-23	10-Oct-22	25-Oct-22	-213	
D7-2716 D7-2720	Meander Bridge - Predrilling for South Pier (6nr) Meander Bridge - South Side Bored Piling (Pier) MBP-01A-1 (1 of 6nrs, 8d/nr/rig, 1 rig)	14 8	19-Jul-23	03-Aug-23	26-Oct-22 11-Nov-22	10-Nov-22 19-Nov-22	-213 -213	
D7-2720 D7-2730	Meander Bridge - South Side Bored Pilling (Pier) MBP-01A-2 (2 of 6nrs, 8d/nr/rig, 1 rig)	8	04-Aug-23 14-Aug-23	12-Aug-23 22-Aug-23	21-Nov-22	29-Nov-22	-213	
D7-2730 D7-2740	Meander Bridge - South Side Bored Pilling (Pier) MBP-01B-1 (3 of 6nrs, 8d/nr/rig, 1 rig)	8	23-Aug-23	31-Aug-23	30-Nov-22	08-Dec-22	-213	
D7-2750	Meander Bridge - South Side Bored Pilling (Pier) MBP-01B-2 (4 of 6nrs, 8d/m//rig, 1 rig)	8	01-Sep-23	09-Sep-23	09-Dec-22	17-Dec-22	-213	
D7-2760	Meander Bridge - South Side Bored Pilling (Pier) MBP-01C-1 (5 of 6nrs, 8d/nr/rig, 1 rig)	8	11-Sep-23	19-Sep-23	19-Dec-22	29-Dec-22	-213	
D7-2770	Meander Bridge - South Side Bored Piling (Pier) MBP-01C-2 (6 of 6nrs, 8d/nr/rig, 1 rig)	8	20-Sep-23	28-Sep-23	30-Dec-22	09-Jan-23	-213	
07 - Piers and	d Abutment	179	03-May-23 A	04-Dec-23	07-Sep-22	21-Jun-23	-137	
B North Side		122	03-May-23 A	25-Sep-23	07-Sep-22	01-Mar-23	-170	
(D7-2260	Meander Bridge - RC for North Piers' Caps and Piers	37	03-May-23 A	17-Jul-23	07-Sep-22	24-Oct-22	-213	
(D7-2265	Meander Bridge - Backfill and removal of ELS for Piers	19	08-Jun-23	30-Jun-23	15-Sep-22	08-Oct-22	-213	
<d7-2300< td=""><td>Meander Bridge - ELS for North Abutment</td><td>60</td><td>05-May-23 A</td><td>17-Jul-23</td><td>24-Nov-22</td><td>06-Jan-23</td><td>-152</td><td></td></d7-2300<>	Meander Bridge - ELS for North Abutment	60	05-May-23 A	17-Jul-23	24-Nov-22	06-Jan-23	-152	
CD7-2310	Meander Bridge - RC for North Abutment	60	18-Jul-23	25-Sep-23	14-Dec-22	01-Mar-23	-170	
IB South Side		138	21-Jun-23	04-Dec-23	10-Jan-23	21-Jun-23	-137	
(D7-2135	Meander Bridge - ELS for South Abutment	60	21-Jun-23	31-Aug-23	26-Jan-23	06-Apr-23	-119	
D7-2136	Meander Bridge - RC for South Abutment	60	01-Sep-23	13-Nov-23	11-Apr-23	21-Jun-23	-119	
D7-2140	Meander Bridge - ELS for South Piers' Cap	54	29-Sep-23	04-Dec-23	10-Jan-23	17-Mar-23	-213	
07 - Superstr	ructure	90	26-Sep-23	15-Jan-24	02-Mar-23	21-Jun-23	-170	
07-2325	Meander Bridge - RC for Bridge Deck (North Abutment to North Piers)	90	26-Sep-23	15-Jan-24	02-Mar-23	21-Jun-23	-170	
D7 - DCM		150	04-Mar-23A	06-Nov-23	31-Aug-22	11-Aug-23	-71	
07-2455	DCM7 Cluster Installation (57 nrs, 4nrs/d/rig, 1 rig) (WCR, Section 6)	27	04-Mar-23A	06-Nov-23	26-Oct-22	11-Aug-23	-71	
07-2780	DCM7 Cluster Installation (117 nrs, 5nrs/d/rig, 1 rig) (WCR, Section 6)	61	24-Jul-23	04-Oct-23	31-Aug-22	25-Mar-23	-155	· · · · · · · · · · · · · · · · · · ·
v Date KD8	3 - Sewage Treatment Works (STW) Buildings	284	05-Nov-21 A	14-Dec-23	08-Dec-21	11-Nov-23	-13	
08 - Submiss		284	05-Nov-21A	14-Dec-23	08-Dec-21	28-Sep-22	-170	<u> </u>
								l <u></u>
18-0900 18-1005	Area Occupied STW - Subletting of Works	525 47	22-Feb-22 A 30-Dec-21 A	31-Jul-23	08-Dec-21	06-Feb-22	-540 -329	·
08-1005 08-1010	STW - Sudretting of Works STW - Procurement of Materials	47	30-Dec-21A 30-Dec-21A	08-Aug-23 08-Aug-23	21-Jun-22 21-Jun-22	28-Jun-22 28-Jun-22	-329	· <u>·</u>
D8 - Design		623	30-Dec-21A 05-Nov-21A	14-Dec-23	07-Feb-22	28-Sep-22	-329	
D8-1015	STW - Design IW PTB (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	05-Nov-21A	02-Sep-23	07-1 60-22 07-Jun-22	11-Jul-22	-341	·····
D& 1015 D& 1020	STW - Design IW PTB (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval STW - Design Bio-Reactor (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	05-Nov-21A 05-Nov-21A	02-Sep-23 02-Sep-23	07-Jun-22 07-Feb-22	11-Jul-22 11-Mar-22	-341	
D8-1020	STW - Design Membrane Facilities (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	05-Nov-21A	02-Sep-23	15-Feb-22	19-Mar-22	-430	
D8-1030	STW - Design Sludge Treatment Blg (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	08-Aug-23	16-Oct-23	09-Mar-22	21-May-22	-417	
D8-1035	STW - Design Chem. Storage & FH Pump Room Prep & Submit (45d), PM Review (21d), Resubmit (21d), Approval (21d)	108	08-Aug-23	14-Dec-23	28-Mar-22	09-Aug-22	-401	
D8-1040	STW - Design DOU No. 3 (Substructure TW) Prep & Submit (45d), PM Review (21d), Resubmit (21d), Approval (21d)	108	08-Aug-23	14-Dec-23	23-May-22	28-Sep-22	-359	
D8 - Shop Dra	awings	58	04-Sep-23	13-Nov-23	12-Mar-22	17-Sep-22	-341	
D8-3330	STW - Shop Drawings for IWPTB (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	04-Sep-23	13-Nov-23	12-Jul-22	17-Sep-22	-341	
D8-3335	STW - Shop Drawings for Bio-Reactor (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	04-Sep-23	13-Nov-23	12-Mar-22	25-May-22	-437	
D8-3340	STW - Shop Drawings for Membrane Facilities (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	04-Sep-23	13-Nov-23	22-Mar-22	04-Jun-22	-429	
D8 - Method S	Statement	81	08-Aug-23	13-Nov-23	09-Mar-22	17-Sep-22	-341	
D8-1330	STW - MS IWPTB (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	08-Aug-23	16-Oct-23	12-Jul-22	17-Sep-22	-318	
D8-1335	STW - MS Bio-Reactor (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	08-Aug-23	16-Oct-23	09-Mar-22	21-May-22	-417	ļ
D8-1340	STW - MS Membrane Facilities (Substructure TW) Prep & Submit, PM Review, Resubmit, Approval	58	04-Sep-23	13-Nov-23	21-Mar-22	02-Jun-22	-430	
	ction	594	06-Dec-21 A	11-Dec-23	21-Jun-22	11-Nov-23	-25	
08 - Construc								

中国铁建	
CRCC - Kwan L	ee - Paul Y. JV

Milestone



y ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	M 3 07
KD8-2014	STW - IW PTB Foundation Pre-drilling (approx. 109 nrs)	55	06-Dec-21A	19-Aug-23	21-Jun-22	11-Jul-22	-329	07
KD8-2015	STW - IW PTB Foundation Socketed H-piles for IW PTB (109 nrs @ 3d/pile/rig, 4 rigs)	82	04-Sep-23	11-Dec-23	12-Jul-22	18-Oct-22	-341	
	rane Facility Building (MFB) (Area Occupied)	42	03-Jan-22 A	19-Aug-23	27-Sep-22	18-Oct-22	-247	
KD8-2004	STW - MFB Foundation Pre-drilling (approx. 81 nrs)	42	03-Jan-22 A	19-Aug-23	27-Sep-22	18-Oct-22	-247	
	eactor (BRB) (Area Occupied)	50	22-Dec-21A	05-Aug-23	27-Sep-22	03-Oct-22	-247	
KD8-1195	STW - BR Foundation Pre-drilling (approx. 60 nrs)	50 60	22-Dec-21 A 11-Jan-22 A	05-Aug-23 02-Sep-23	27-Sep-22 15-Jun-23	03-Oct-22 11-Nov-23	-247 57	
KD8-2352	e Treatment Building (STB) (Area Occupied) STW - STB Foundation Pre-drilling (approx. 85 nrs)	60	11-Jan-22 A	02-Sep-23	15-Jun-23	20-Jul-23	-38	
KD8-2375	STW - STB Foundation Pre-drilling (approx. 4 nrs) STW - Deodourization Unit No.3 Foundation Pre-drilling (approx. 4 nrs)	27	10-Feb-22 A	19-Aug-23	24-Oct-23	11-Nov-23	-30	·
	- Wetland Compensation Establishment Works at Portion 1	365	26-Jul-22 A	25-Jul-23	04-Sep-22	28-Oct-22	-270	
S1A-2000	Portion 1 - Establishment Works and Ecological Monitoring (Area 7)	205	26-Jul-22.A	05 IH 20	04 Sep 22	28-Oct-22	270	
51A-2000 51A-PC	Completion Section 1A(L09+462) - Establishment for Lands cape softworks in Portion 1	365	20-Jui-22 A	25-Jul-23 25-Jul-23	04-Sep-22	28-Oct-22 28-Oct-22	-270 -270	
		365	26-Jul-22 A	25-Jul-23	04-Sep-22	28-Oct-22	-270	
	- Wetland Compensation Establishment Works at Portion 2A/2B	005						
32A-2000 32A-PC	Portion 2A/2B - Establishment Works and Ecological Monitoring (Area 2, Area 9) Completion Section 2A (L08/L09+462) - Establishment for Landscape softworks in Portions 2A/2B of the Site	365	26-Jul-22 A	25-Jul-23 25-Jul-23	04-Sep-22	28-Oct-22 28-Oct-22	-270 -270	
		365	26-Jul-22 A	25-Jul-23	04-Sep-22	28-Oct-22	-270	
	- Wetland Compensation Establishment Works at Portion 3							
S3A-2000	Portion 3 - Establishment Works and Ecological Monitoring (Area 9)	365	26-Jul-22 A	25-Jul-23	04-Sep-22	28-Oct-22	-270	
3A-PC	Completion Section 3A (L08+428d) - Establishment for landscape softworks in Portion 3 of the Site	0	15-Feb-23 A	25-Jul-23 25-Nov-23	18-Nov-23	28-Oct-22 16-Jul-26	-270	
ection 4 -	Woodland Compensation Works at Portion 4	233	15-FED-23 A	20-1100-23	18-1107-23	10-JUI-20	776	
4-1000	Portion 4 - Preparation and Procurement Works	60	25-Aug-23	06-Nov-23	17-Feb-24	02-May-24	141	
Section 4 - F	Preparation Works	233	15-Feb-23 A	25-Nov-23	18-Nov-23	16-Jul-26	776	
S4-1050	Portion 4 - Existing Vegetation Survey	135	15-Feb-23 A	31-Jul-23	18-Nov-23	18-Jan-24	141	
S4-1060	Portion 4 - Submission of Existing Survey Report	0		31-Jul-23		23-Mar-24	193	
S4-1070	Portion 4 - Preparation of Woodland Compensation Plan (with Method Statement & Material Submission)	52	01-Aug-23	29-Sep-23	19-Jan-24	23-Mar-24	141	
S4-1071	Portion 4 - Submission of Woodland Compensation Plan (with Method Statement & Material Submission)	0	04 A	29-Sep-23	4714	23-Mar-24	141	
S4-1082	Portion 4 - Preparation of Woodland Compensation Material Submissions	98	01-Aug-23	25-Nov-23	17-Mar-26	16-Jul-26	776	
ection 6 -	Western Connection Road (WCR)	273	18-Aug-22 A	30-Jul-24	02-Jun-22	12-Nov-26	325	
6 WCR Sul	bmission	104	17-Sep-22 A	17-Jun-23	09-Oct-22	12-Nov-26	484	
56-1024	Issued PMI No. 104 - PM Review and Reply	21	17-Sep-22 A	02-Jun-23	20-Nov-22	21-Nov-22	-193	
S6-9200B	Issued PMI No. 135 - Quotation Preparation and Submission	21	07-Jan-23 A	03-Jun-23	09-Oct-22	11-Oct-22	-235	
S6-9200C	Issued PMI No. 135 - PM Review and Reply	14	04-Jun-23	17-Jun-23	12-Oct-22	25-Oct-22	-235	
S6-9310	Issued PMI No. 189 - Deisgn, Supply and Installation of Road Lighting for Western Connection Road	0		01-Jun-23 A		12-Nov-26		!
6 WCR Sul	bletting and Procurement	138	03-May-23 A	16-Oct-23	22-Nov-22	09-Sep-23	-29	
S6-9200	Portion 6 - Watermain Subletting	31	03-May-23 A	08-Jun-23	22-Nov-22	26-Nov-22	-153	
56-9202	Portion 6 - Watermain Material Procurement and Delivery	73	09-Jun-23	04-Sep-23	28-Nov-22	28-Feb-23	-153	
S6-9210	Portion 6 - Road Lighting Subletting	34	09-Jun-23	20-Jul-23	05-May-23	14-Jun-23	-29	
S6-9707	Portion 6 - Road Lighting Material Procurement and Delivery	73	21-Jul-23	16-Oct-23	15-Jun-23	09-Sep-23	-29	
6 WCR Wo	vrks	273	18-Aug-22 A	30-Jul-24	02-Jun-22	31-Oct-26	321	
S6 WCR: Po	ond Filling	49	18-Aug-22 A	30-Jun-23	02-Jun-22	02-Jul-22	-198	
Pond Filling	Work Front 2	49	18-Aug-22 A	30-Jun-23	02-Jun-22	02-Jul-22	-198	
S6-5106	S1A: Area 2 - Pond 10 Filling (12,858m3) - Suspended from 28 Sep due to owner objection, Resumed 17 Oct 2022	49	18-Aug-22 A	30-Jun-23	02-Jun-22	02-Jul-22	-198	
S6 WCR: UL	J Diversion	72	01-Jun-23	25-Aug-23	06-Aug-26	31-Oct-26	652	
S6-9037	UU Diversion - CLP 11kV (with Poles)	72	01-Jun-23	25-Aug-23	06-Aug-26	31-Oct-26	652	
S6-9047	UU Diversion - HKT	72	01-Jun-23	25-Aug-23	06-Aug-26	31-Oct-26	652	
S6-9057	UU Diversion - VTL	72	01-Jun-23	25-Aug-23	06-Aug-26	31-Oct-26	652	
S6-9067	UU Diversion - Watermains	72	01-Jun-23	25-Aug-23	06-Aug-26	31-Oct-26	652	
S6-9537	UU Diversion - Road Lighting	72	01-Jun-23	25-Aug-23	06-Aug-26	31-Oct-26	652	
S6 WCR: DC		80	25-Mar-23A	26-Oct-23	02-Jun-22	31-Oct-26	429	
Rig 4 (at Are		57	11-May-23 A	04-Oct-23	12-Jul-22	08-Jun-23	-46	
	CM 4 and DCM7 (at MB)	4	19-Jun-23	23-Jun-23	05-Jun-23	08-Jun-23	-12	
S6-5181	Area 1 - Area 1 Post-CPT for DCM	4	19-Jun-23	23-Jun-23	05-Jun-23	08-Jun-23	-12	
Area 1 - DC S6-0810	Area 1 - Stage 1 Advance Watermain Diversion	57 15	11-May-23 A 11-May-23 A	04-Oct-23 29-May-23 A	12-Jul-22 12-Jul-22	25-Mar-23 12-Jul-22	-75	
S6-0810 S6-0820	Area 1 - Stage 1 Advance Watermain Diversion Area 1 - Stage 2 Construction of soil platform between Temporary Steel Bridge and Pier	21	30-May-23 A	29-1viay-23 A 30-Jun-23	12-Jul-22	09-Aug-22	-262	
S6-0830	Area 1 - Stage 2 COI Struction of plauon network her her purally steer bridge and her Area 1 - Stage 3 DCM8 Area, Remove ramp structure	11	16-Jun-23	29-Jun-23	27-Jul-22	08-Aug-22	-262	
S6-0840	Area 1 - Stage 3 Dismantle DCM Rig (at the Western Side of TAR1)	8	24-Jun-23	04-Jul-23	03-Aug-22	11-Aug-22	-262	
S6-0850	Area 1 - Stage 485 DCM8 Area, DCM RigAssembly	16	05-Jul-23	22-Jul-23	12-Aug-22	30-Aug-22	-262	
S6-0860	Area 1 - Stage 6 DCM7, DCM8 Cluster Installation (75 nrs, 5nrs/d/rig, 1rig, R4)	15	24-Jul-23	09-Aug-23	31-Aug-22	17-Sep-22	-262	
S6-0870	Area 1 - Stage 6 DCM5, DCM7, DCM8 Area, UU Diversion (Water, Gas, 11kV)	27	24-Jul-23	23-Aug-23	14-Feb-23	16-Mar-23	-129	
S6-0880	Area 1 - Stage 7 DCM5, DCM7 Area Remove Ramp Structure	18	10-Aug-23	30-Aug-23	01-Feb-23	21-Feb-23	-155	
S6-0890	Area 1 - Stage 8 DCM5, DCM7 Area Backfill Temporary Road	20	31-Aug-23	22-Sep-23	22-Feb-23	16-Mar-23	-155	
S6-0900	Area 1 - Stage 9 DCM5 & DCM7 Cluster Installation (40nrs, 5nr/d/rig, 1rig, R4)	8	23-Sep-23	04-Oct-23	17-Mar-23	25-Mar-23	-155	
Rig 1 (at Are		151	25-Mar-23A	26-Oct-23	02-Jun-22	29-Jul-23	-73	
	M at Pond 5,6,7 & 10	151	25-Mar-23A	26-Oct-23	02-Jun-22	29-Jul-23	-73	·
S6-7565 S6-7615	Area 2 - DCM6 at Pond 5 (128nrs, 4nr/d/rig, 1rig, R1) Area 2 - DCM6 at Pond 5 (64nrs, 4nr/d/rig, 1 rig, R1)	19 16	25-Mar-23A 28-Jun-23	31-Aug-23 17-Jul-23	02-Jun-22 24-Aug-22	01-Sep-22 10-Sep-22	-198 -151	·····
S6-7615 S6-7805	Area 2 - DCMb at Pond 5 (64mrs, 4mr/oring, 1 rig, R1) Area 2 - DCM7 at Pond 10 (125mrs, 5mr/d/rig, 1 rig, R1)	25	28-Jun-23 19-Apr-23 A	17-Jul-23 15-Jun-23	24-Aug-22 13-Jun-22	10-Sep-22 27-Jun-22	- 151	·
S6-7808	Area 2 - DCM7 at Pond 10 (125nrs, 5nr/d/rig, 1 rig, R1)	25	27-May-23 A	31-Aug-23	13-Jun-22	10-Sep-22	-190	
S6-7810	Area 2 - DCM7 at Pond 10 (70nrs, 5nr/d/rig, 1 rig, R1)	14	01-Sep-23	16-Sep-23	13-Sep-22	28-Sep-22	-190	
S6-7811	WCR TTA 41 - Road Closure	0	26-Jun-23*		26-Jun-23		0	<u>_</u>
S6-7812	Area 2 - DCM7 at Pond 06 (108nrs, 5nr/d/rig, 1 rig, R1)	22	01-Sep-23	26-Sep-23	13-Sep-22	10-Oct-22	-190	<u>_</u>
S6-9017	Area 2 - Post-DCM Coring	125	21-Apr-23 A	26-Oct-23	01-Mar-23	29-Jul-23	-73	
Rig 2 (at Are	ea 3)	136	05-May-23 A	16-Oct-23	13-Sep-22	24-Sep-26	581	
Area 3 - DC	CM at Pond 8,9, & 11	136	05-May-23 A	16-Oct-23	13-Sep-22	24-Sep-26	581	
S6-9617	Area 3 - DCM6 Pond 11 (120rs, 5nr/d/rig, 1rig, R2)	42	05-May-23 A	24-Jun-23	04-Mar-23	27-Mar-23	-70	· · · · · · · · · · · · · · · · · · ·
	WCR TTA 41 - Road Closure	0	26-Jun-23		13-Sep-22		-133	
S6-9618	Area 3 - DCM6 Pond 09 (162rs, 5nr/d/rig, 1rig, R2)	50	26-Jun-23	23-Aug-23	20-Apr-23	19-Jun-23	-54	
S6-9627		25	24-Aug-23	21-Sep-23	20-Jun-23	20-Jul-23	-54	
	Area 3 - DCM6 Pond 08 (120rs, 5nr/d/rig, 1rig, R2)	1						
S6-9627				Cont	ract YL/20)20/01 - I o	k Ma (Chau Loon M
S6-9627				Cont				
S6-9627 S6-9657	Paul Y Actual Level of Effort Actual Work Remaining Work			Cont				· · · ·
S6-9627 S6-9657	Paul Y Actual Level of Effort Actual Work Remaining Work			Cont				Chau Loop M olling Pro



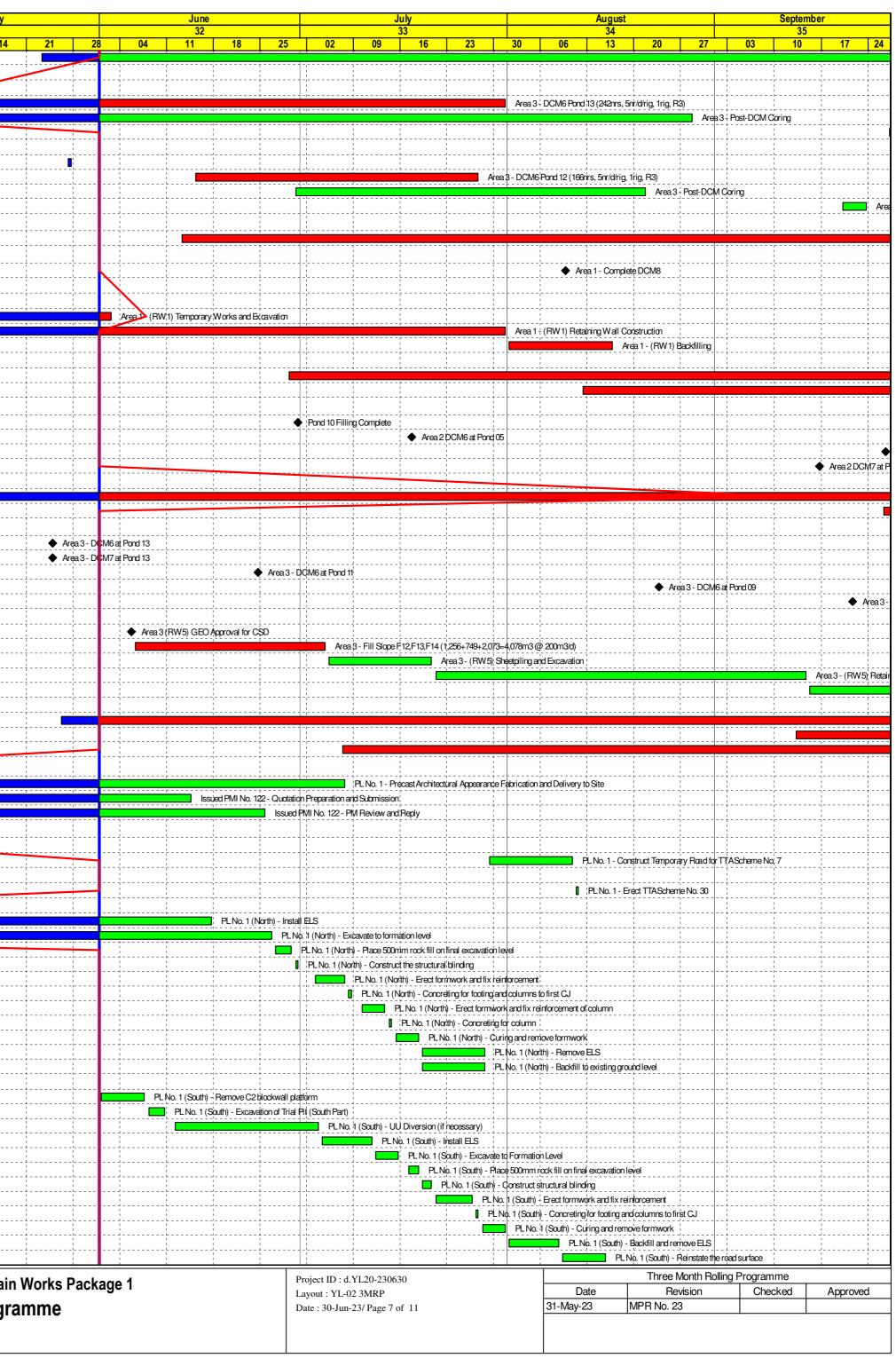
		Dur					Float	07
S6-9687	Area 3 - Post-DCM Coring	121	23-May-23 A	16-Oct-23	12-May-26	24-Sep-26	581	
Rig 3 (at Area	3)	141	13-Apr-23 A	03-Oct-23	08-Sep-22	31-Oct-26	621	
Area 3 - DCM	16 & 7 at Pond 13	141	13-Apr-23 A	03-Oct-23	08-Sep-22	31-Oct-26	621	
S6-7540	Area 3 - DCM6 Pond 13 (242nrs, 5nr/d/rig, 1rig, R3)	50	13-Apr-23 A	31-Jul-23	08-Sep-22	08-Mar-23	-116	
S6-8957	Area 3 - Post-DCM Coring	75	15-Apr-23 A	28-Aug-23	30-Jun-26	24-Sep-26	621	
S6-8967	Area 3 - Post-CPT for DCM	4	27-Sep-23 27-May-23 A	03-Oct-23 23-Sep-23	28-Oct-26 08-Sep-22	31-Oct-26 31-Oct-26	621 627	
S6-9554	I6 at Pond 12 Area 3 - Relocate Rig 3 from Area 3 to Area 2	1	27-May-23 A 27-May-23 A	27-May-23 A	08-Sep-22	08-Sep-22	027	
S6-9557	Area 3 - DCM6 Pond 12 (166nrs, 5nr/d/rig, 1rig, R3)	35	15-Jun-23	27-Jul-23	23-Sep-22	04-Mar-23	-116	
S6-9667	Area 3 - Post-DCM Coring	44	30-Jun-23	21-Aug-23	05-Aug-26	24-Sep-26	627	
S6-9677	Area 3 - Post-CPT for DCM	4	20-Sep-23	23-Sep-23	28-Oct-26	31-Oct-26	627	
6 WCR: Instr	rumentation	116	13-Jun-23	31-Oct-23	17-Mar-23	08-Aug-23	-69	
S6-1110	Portion 6 - Instrument Installation Type C4 (MPX 9nrs, VW P 18nrs, SP 9 nrs, SMM, 9 nrs) 1 rig	116	13-Jun-23*	31-Oct-23	17-Mar-23	08-Aug-23	-69	
Area 1 (Road I	D1 to CH 1900) 216m	166	27-Apr-23 A	20-Jun-24	21-Sep-22	28-Aug-23	-116	
S6-5909	Area 1 - Complete DCM8	0		09-Aug-23		28-Aug-23	16	
Area 1 - Retai	ning Walls	46	27-Apr-23 A	16-Aug-23	17-May-23	02-Aug-23	-5	
Area 1 - Reta	ining Wall RW1	46	27-Apr-23 A	16-Aug-23	17-May-23	02-Aug-23	-5	
S6-6285	Area 1 - (RW1) Temporary Works and Excavation	42	27-Apr-23 A	02-Jun-23	17-May-23	18-May-23	-12	
S6-6295	Area 1 - (RW1) Retaining Wall Construction	72	05-May-23 A	31-Jul-23	17-May-23	17-Jul-23	-12	
S6-6305	Area 1 - (RW1) Backfilling	14	01-Aug-23	16-Aug-23	18-Jul-23	02-Aug-23	-12	
	Road Construction	140	29-Jun-23	20-Jun-24	21-Sep-22	28-Aug-23	-116	
S6-9072	Area 1 - DCM Curing	125	29-Jun-23	31-Oct-23	26-Apr-23	28-Aug-23	-64	
S6-9087	Area 1 - Drainage (approx. 52nrs manhole, 1,500m pipes)	155	12-Aug-23	20-Jun-24	21-Sep-22	29-Jul-23	-166	
-	00 to CH 1650) 250m	168	14-May-23 A	30-Jul-24	02-Jun-22	29-Jul-23	-143	·
S6-6315	Pond 10 Filling Complete	0		30-Jun-23		28-Oct-22	-100	
S6-8855 S6-8856	Area 2 DCM6 at Pond 05 Area 2 DCM7 at Pond 06	0		17-Jul-23 26-Sep-23		20-Apr-23 17-Jun-23	-71 -84	
S6-8856 S6-8857	Area 2 DCM7 at Pond 06 Area 2 DCM7 at Pond 10	0		26-Sep-23 16-Sep-23		17-Jun-23 20-Apr-23	-84	
	Road Construction	168	14-May-23 A	30-Jul-24	02-Jun-22	20-74pi-23 29-Jul-23	-124	·
S6-6322	Area 2 - DCM6 Curing	386	14-May-23 A	02-Mar-24	02-Jun-22	04-Mar-23	-364	
S6-6655	Area 2 - Drainage Construction (50nrs, 1,215m pipes)	150	26-Sep-23	30-Jul-24	27-Sep-22	29-Jul-23	-199	
rea 3 (CH 16	50 to CH 1350) 300m	154	25-May-23 A	22-Jun-24	02-Aug-22	31-Oct-23	-92	
S6-8876	Area 3 - DCM6 at Pond 13	0		25-May-23 A		18-Aug-23		
S6-8877	Area 3 - DCM7 at Pond 13	0		25-May-23 A		18-Aug-23		
S6-8878	Area 3 - DCM6 at Pond 11	0		24-Jun-23		18-Aug-23	46	
S6-8880	Area 3 - DCM6 at Pond 09	0		23-Aug-23		18-Aug-23	-4	
S6-8887	Area 3 - DCM6 at Pond 08	0		21-Sep-23		09-Sep-23	-10	
Area 3 - Retai	ning Wall RW5	47	05-Jun-23	03-Oct-23	02-Aug-22	31-Oct-23	11	
S6-7388	Area 3 (RW 5) GEO Approval for CSD	0		05-Jun-23*		02-Aug-22	-151	
S6-7393	Area 3 - Fill Slope F12,F13,F14 (1,256+749+2,073=4,078m3 @ 200m3/d)	23	06-Jun-23	04-Jul-23	03-Aug-22	29-Aug-22	- 151	·;
S6-7395	Area 3 - (RW5) Sheetpiling and Excavation	14	05-Jul-23	20-Jul-23	01-Aug-23	16-Aug-23	23	·
S6-7405 S6-7415	Area 3 - (RW5) Retaining Wall Construction Area 3 - (RW5) Backfilling	48	21-Jul-23 15-Sep-23	14-Sep-23 03-Oct-23	17-Aug-23 14-Oct-23	13-Oct-23 31-Oct-23	23 23	
	Road Construction	154	26-May-23 A	22-Jun-24	01-Sep-22	09-Sep-23	-112	
S6-8906	Area 3 - DCM6&7 Curing	152	26-May-23 A	24-Oct-23	26-Mar-23	18-Aug-23	-67	
S6-8907	Area 3 - DN700 Fresh Watermains	130	13-Sep-23	22-Jun-24	03-Apr-23	09-Sep-23	-132	
S6-8917	Area 3 - Drainage Construction (30nrs, 755m pipes)	160	07-Jul-23	20-May-24	01-Sep-22	17-Jul-23	-151	
6 WCR Pai L	au	156	30-Sep-22 A	08-Nov-23	18-Jan-24	19-Jul-24	99	
6-5638	PL No. 1 - Precast Architectural Appearance Fabrication and Delivery to Site	189	30-Sep-22 A	07-Jul-23	14-Feb-24	21-Mar-24	258	
6-5645B	Issued PMI No. 122 - Quotation Preparation and Submission	21	01-Dec-22A	14-Jun-23	26-Jan-24	08-Feb-24	239	
6-5645C	Issued PMI No. 122 - PM Review and Reply	14	01-Mar-23A	25-Jun-23	26-Jan-24	19-Feb-24	239	· r
ai Lau No.1 (Construction (Location 15, LMC Road)	273	05-Dec-22A	08-Nov-23	18-Jan-24	04-Jul-24	190	
PL No.1 - Prep	paration Works	11	29-Jul-23	10-Aug-23	22-Mar-24	08-Apr-24	193	
S6-5686	PLNo. 1 - Construct Temporary Road for TTAScheme No. 7	11	29-Jul-23	10-Aug-23	22-Mar-24	08-Apr-24	193	
PL No.1 - Four	ndation	204	05-Dec-22A	16-Aug-23	18-Jan-24	10-Apr-24	190	
S6-3625	PL No. 1 - Erect TTAScheme No. 30	1	11-Aug-23	11-Aug-23	09-Apr-24	09-Apr-24	193	
	ion - North Part	188	05-Dec-22A	28-Jul-23	22-Jan-24	21-Mar-24	193	
S6-9207	PLNo. 1 (North) - Install ELS	45	05-Dec-22A	17-Jun-23	22-Jan-24	07-Feb-24	193	
S6-9397	PLNo. 1 (North) - Excavate to formation level	60	05-Dec-22A	26-Jun-23	22-Jan-24	19-Feb-24	193	
S6-9407	PL No. 1 (North) - Place 500mm rock fill on final excavation level PL No. 1 (North) - Construct the structure blinding	3	27-Jun-23	29-Jun-23	20-Feb-24	22-Feb-24	193	
S6-9417 S6-9427	PL No. 1 (North) - Construct the structural blinding PL No. 1 (North) - Erect formwork and fix reinforcement	5	30-Jun-23 03-Jul-23	30-Jun-23 07-Jul-23	23-Feb-24 24-Feb-24	23-Feb-24 29-Feb-24	193 193	
S6-9427 S6-9437	PL No. 1 (North) - Erect formwork and fix reminorcement PL No. 1 (North) - Concreting for footing and columns to first CJ	D 1	03-Jul-23 08-Jul-23	07-Jul-23 08-Jul-23	24-Feb-24 01-Mar-24	29-Fe0-24 01-Mar-24	193	
S6-9439	PLNo. 1 (North) - Erect formwork and fix reinforcement of column	4	10-Jul-23	13-Jul-23	01-Mar-24 02-Mar-24	01-101ar-24 06-Mar-24	193	
S6-9441	PLNo. 1 (North) - Concreting for column	1	14-Jul-23	14-Jul-23	07-Mar-24	07-Mar-24	193	+
S6-9447	PLNo. 1 (North) - Curing and remove formwork	3	15-Jul-23	18-Jul-23	08-Mar-24	11-Mar-24	193	
S6-9457	PLNo. 1 (North) - Remove ELS	9	19-Jul-23	28-Jul-23	12-Mar-24	21-Mar-24	193	
S6-9467	PL No. 1 (North) - Backfill to existing ground level	9	19-Jul-23	28-Jul-23	12-Mar-24	21-Mar-24	193	
	ion - South Part	63	01-Jun-23	15-Aug-23	18-Jan-24	09-Apr-24	190	
S6-9216	PL No. 1 (South) - Remove C2 blockwall platform	6	01-Jun-23*	07-Jun-23	18-Jan-24	24-Jan-24	190	
S6-9217	PLNo. 1 (South) - Excavation of Trial Pit (South Part)	3	08-Jun-23	10-Jun-23	25-Jan-24	27-Jan-24	190	
S6-9227	PLNo. 1 (South) - UU Diversion (if necessary)	17	12-Jun-23	03-Jul-23	29-Jan-24	21-Feb-24	190	
S6-9237	PLNo. 1 (South) - Install ELS PLNo. 1 (South) - Even vite to Exemption Laurel	7	04-Jul-23	11-Jul-23	22-Feb-24	29-Feb-24	190	
S6-9247 S6-9257	PL No. 1 (South) - Excavate to Formation Level PL No. 1 (South) - Place 500mm rock fill on final excavation level	4	12-Jul-23 17-Jul-23	15-Jul-23	01-Mar-24	05-Mar-24 07-Mar-24	190	
S6-9257 S6-9267	PLNo. 1 (South) - Place 500mm rock till on tinal excavation level PLNo. 1 (South) - Construct structural blinding	2	17-Jul-23 19-Jul-23	18-Jul-23 20-Jul-23	06-Mar-24 08-Mar-24	07-Mar-24 09-Mar-24	190 190	
S6-9267 S6-9277	PLNo. 1 (South) - Construct structural binding PLNo. 1 (South) - Erect formwork and fix reinforcement	5	19-Jul-23 21-Jul-23	20-Jul-23 26-Jul-23	08-Mar-24 11-Mar-24	09-Mar-24 15-Mar-24	190	
S6-9277 S6-9287	PL No. 1 (South) - Erect formwork and lix remorcement PL No. 1 (South) - Concreting for footing and columns to first CJ	5	21-Jul-23 27-Jul-23	26-Jul-23 27-Jul-23	16-Mar-24	15-1viar-24 16-Mar-24	190	
	PLNo. 1 (South) - Curing and remove formwork	3	27-Jul-23 28-Jul-23	31-Jul-23	18-Mar-24	20-Mar-24	190	
S6-9297	- · · · · · · · · · · · · · · · · · · ·	v				28-Mar-24		+
S6-9297 S6-9317	PL No. 1 (South) - Backfill and remove ELS	7	01-Aug-23	08-Aug-23	21-Mar-24	20-IVId/-24	190	1
	PLNo. 1 (South) - Backfill and remove ELS PLNo. 1 (South) - Reinstate the road surface	6	01-Aug-23 09-Aug-23	08-Aug-23 15-Aug-23	02-Apr-24	20-11/1al-24 09-Apr-24	190	



Actual Level of Effort
Actual Work
Remaining Work

Critical Remaining Work
 Milestone

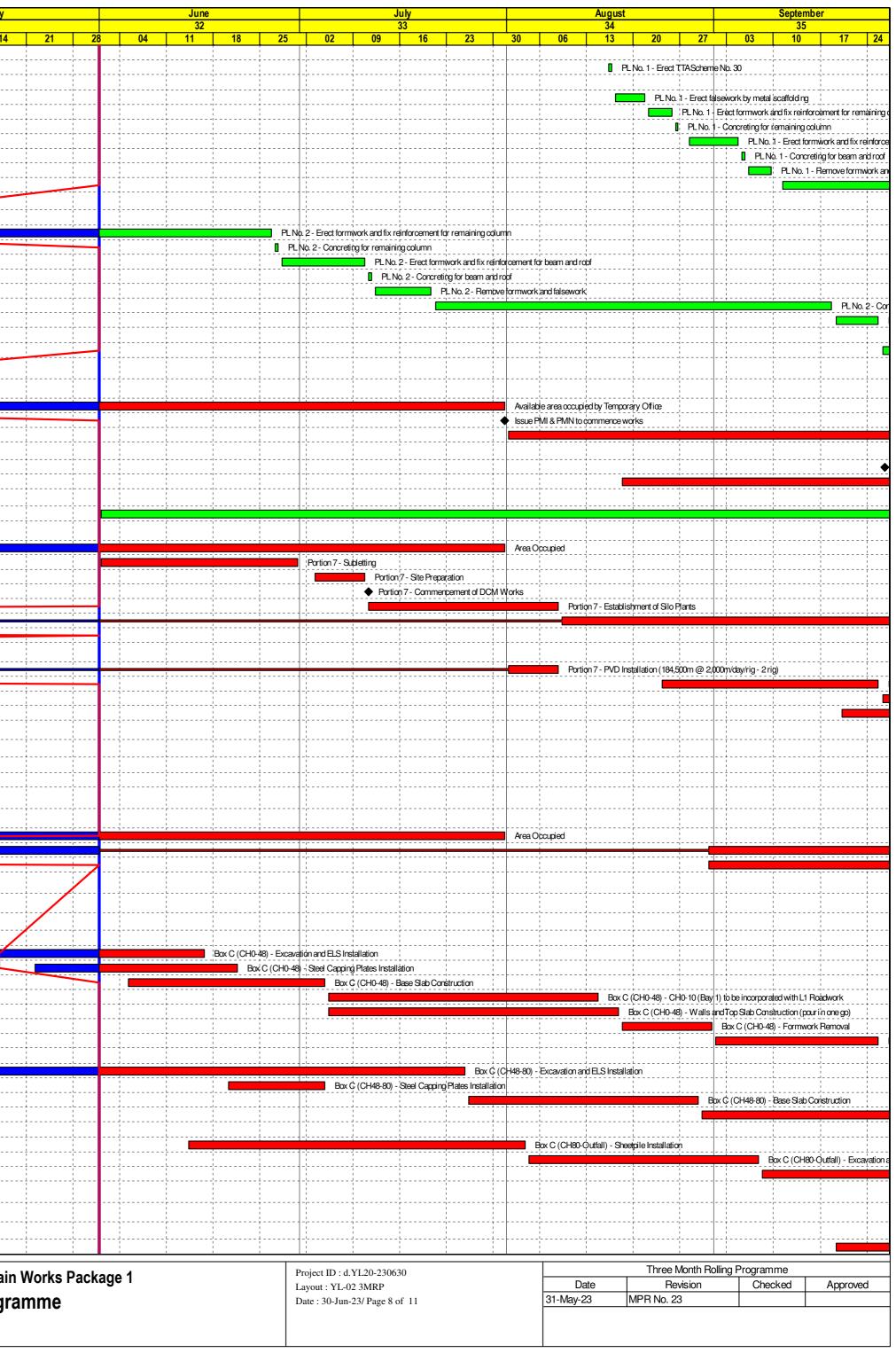
ontract YL/2020/01 - Lok Ma Chau Loop Main Works Three Month Rolling Programme



	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	07
PL1 Foundat		1	16-Aug-23	16-Aug-23	10-Apr-24	10-Apr-24	190	
S6-3685	PLNo. 1 - Erect TTAScheme No. 30	1	16-Aug-23	16-Aug-23	10-Apr-24	10-Apr-24	190	
PL No.1 - Sup		69	17-Aug-23	08-Nov-23	11-Apr-24	04-Jul-24	190	
S6-3635 S6-3705	PL No. 1 - Erect falsework by metal scaffold ng PL No. 1 - Erect formwork and fix reinforcement for remaining column	4	17-Aug-23 22-Aug-23	21-Aug-23 25-Aug-23	11-Apr-24 16-Apr-24	15-Apr-24 19-Apr-24	190 190	
S6-3715	PLNo. 1 - Concreting for remaining column	1	26-Aug-23	26-Aug-23	20-Apr-24	20-Apr-24	190	
S6-3725	PLNo. 1 - Erect formwork and fix reinforcement for beam and roof	7	28-Aug-23	04-Sep-23	22-Apr-24	29-Apr-24	190	
S6-3735	PL No. 1 - Concreting for beam and roof	1	05-Sep-23	05-Sep-23	30-Apr-24	30-Apr-24	190	
S6-3745	PLNo. 1 - Remove formwork and falsework	4	06-Sep-23	09-Sep-23	02-May-24	06-May-24	190	
S6-3755	PLNo. 1 - Construct the architectural appearance	48	11-Sep-23	08-Nov-23	07-May-24	04-Jul-24	190	
-	Construction (Location 11, HWT Road)	162	25-Mar-23A	11-Oct-23	05-Mar-24	19-Jul-24	226	
PL No.2 - Sup		150	25-Mar-23A	25-Sep-23	05-Mar-24	05-Jul-24	226	
S6-5946 S6-5956	PL No. 2 - Erect formwork and fix reinforcement for remaining column PL No. 2 - Concreting for remaining column	14	25-Mar-23A 27-Jun-23	26-Jun-23 27-Jun-23	05-Mar-24 02-Apr-24	28-Mar-24 02-Apr-24	226 226	
S6-5966	PLNo. 2 - Erect formwork and fix reinforcement for beam and roof	10	27-Juir23 28-Jun-23	27-Jul - 23	02-Apr-24 03-Apr-24	15-Apr-24	220	
S6-5976	PLNo. 2 - Concreting for beam and roof	1	11-Jul-23	11-Jul-23	16-Apr-24	16-Apr-24	226	
S6-5986	PL No. 2 - Remove formwork and falsework	8	12-Jul-23	20-Jul-23	17-Apr-24	25-Apr-24	226	
S6-5996	PLNo. 2 - Construct the architectural appearance	51	21-Jul-23	18-Sep-23	26-Apr-24	27-Jun-24	226	
S6-6006	PL No. 2 - Remove the working platform	6	19-Sep-23	25-Sep-23	28-Jun-24	05-Jul-24	226	
PL No.2 - Rein	nstatement of HWT Road	12	26-Sep-23	11-Oct-23	06-Jul-24	19-Jul-24	226	
S6-5806	PL No. 2 - Reinstate the Road Surface	12	26-Sep-23	11-Oct-23	06-Jul-24	19-Jul-24	226	
ection 7 - C	Ground Treatment Works and Site Formation at Portion 7 (Area Occupic	334	03-Jan-22 A	15-Jun-24	12-Oct-21	11-Dec-23	-73	
S7 Civil Struc	tures	238	22-Feb-22 A	27-Nov-23	31-May-22	11-Dec-23	5	
S7-0001	Available area occupied by Temporary Office	433	22-Feb-22 A	31-Jul-23	31-May-22	30-Jul-22	-366	
S7-3810	Issue PMI & PMN to commence works	0		31-Jul-23	-, -	30-Jul-22	-295	
S7-3820	Preparation & Submissions	60	01-Aug-23	11-Oct-23	01-Aug-22	12-Oct-22	-295	
S7 - Ground I	mprovement - DCM	45	18-Aug-23	11-Oct-23	18-Aug-22	12-Oct-22	-295	
S7-1182	WCR - Area 2D CM complete	0		26-Sep-23		12-Oct-22	-284	
S7-1185	Portion 7 - Appli cation for SPLicense (if necessary)	45	18-Aug-23	11-Oct-23	18-Aug-22	12-Oct-22	-295	I
S7 - Box Culv	ert B	180	01-Jun-23	27-Nov-23	15-Jun-23	11-Dec-23	14	
S7-1220	Portion 7 - Appli cation to Border Police for Boundary Patrol RoadTTA	180	01-Jun-23	27-Nov-23	15-Jun-23	11-Dec-23	14	
S7 Ground Im	nprovement - DCM	269	26-Jan-22 A	23-Jan-24	12-Oct-21	14-Jun-22	-221	
S7-1165	- Area Occupied	523	24-Feb-22 A	31-Jul-23	18-Oct-21	17-Dec-21	-591	
S7-1180A	Portion 7 - Subletting	25	01-Jun-23*	30-Jun-23	12-Oct-21	10-Nov-21	-479	
S7-1180B	Portion 7 - Site Preparation	7	03-Jul-23	10-Jul-23	11-Nov-21	18-Nov-21	-479	
S7-1180C	Portion 7 - Commencement of DCM Works	0	11-Jul-23		19-Nov-21		-479	
S7-1180D	Portion 7 - Establishment of Silo Plants	25	11-Jul-23	08-Aug-23	19-Nov-21	17-Dec-21	-479	
S7-1190	Portion 7 - Construct DCM Clusters Stage 1 (15.2, 15.2b, 200m) 28,790 of 194,330 @ 180m3/d/auger - 3 auger	52	26-Jan-22 A	28-Sep-23	18-Dec-21	16-Feb-22	-479	
S7-1191	Portion 7 - Construct DCM Clusters Stage 2 (18D, 15.5, 15.4, 350m) 50,382 of 194,330 @ 180m3/d/auger - 3 auger	94 334	29-Sep-23 03-Jan-22 A	23-Jan-24 15-Jun-24	17-Feb-22 06-Jun-22	14-Jun-22 09-May-23	-479 -157	
	provement - PVD/Surcharge (Area Occupied)							
S7-1090	Portion 7 - PVD Installation (184,500m @ 2,000m/day/rig - 2 rig)	45	03-Jan-22 A	08-Aug-23	06-Jun-22	13-Jun-22	-342	·
S7-1100 S7-1110	Portion 7 - General Fill to Surcharge 2m High (23,780m3 @ 600m3/d) Portion 7 - Time Risk Allowance for Earthworks	28 6	24-Aug-23 26-Sep-23	25-Sep-23 04-Oct-23	19-Jul-22 20-Aug-22	19-Aug-22 26-Aug-22	-326 -326	
S7-1140	Portion 7 - Surcharge Period (9 months) (23,900m3)	270	20-Sep-23	15-Jun-24	13-Aug-22	09-May-23	-403	
	etures (Area Occupied)	0	30-Sep-23	30-Sep-23	23-Dec-22	23-Dec-22	-281	
		0	30-Sep-23	30-Sep-23	23-Dec-22	23-Dec-22	-281	
-	ansport Interchange (PTI) (Area Occupied)		· · · · ·	30-Sep-23	23-Dec-22	23-Dec-22		
PRE-700	Confirmation of Specialist Steelworks Subcontractor	0	30-Sep-23 30-Sep-23*	30-30-23	23-Dec-22 23-Dec-22	20-D80-22	-281 -281	
	·	826	24-Feb-22 A	29-May-24	06-Dec-21	04-Dec-22	-542	
	Ground Treatment Works and Site Formation at Portion 8 (Area Occupi							
S8 STW - Site	Formation	826	24-Feb-22 A	29-May-24	06-Dec-21	04-Dec-22	-542	
S8-1105	Area Occupied	523	24-Feb-22 A	31-Jul-23	06-Dec-21	04-Feb-22	-542	
S8-1110	Portion 8 - Stage 3 - General Fill to Surcharge 2m High (26,615m3 @ 360m3/d)	68	24-Feb-22 A	22-Oct-23	07-Mar-22	28-Apr-22	-542	
							,	
	Portion 8 - Stage 3 - Surcharge Period (9 months) (33,040m3)	273	31-Aug-23	29-May-24	07-Mar-22	04-Dec-22	-542	
	Box Culvert Construction at Portion 20	273 170	31-Aug-23 03-Apr-23 A	29-May-24 30-Oct-23	07-Mar-22 08-Apr-22	04-Dec-22 23-Sep-22	-542 -324	
ection 9 - E								
ection 9 - E 69 Box Culve	Box Culvert Construction at Portion 20	170	03-Apr-23 A	30-Oct-23	08-Apr-22	23-Sep-22	-324	
ection 9 - E 69 Box Culve 69 Box Culve	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction	170 170	03-Apr-23 A 03-Apr-23 A	30-Oct-23 30-Oct-23	08-Apr-22 08-Apr-22	23-Sep-22 23-Sep-22	-324 -324	
ection 9 - E 69 Box Culve	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction	170 170 170	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A	30-Oct-23 30-Oct-23 30-Oct-23	08-Apr-22 08-Apr-22 08-Apr-22	23-Sep-22 23-Sep-22 23-Sep-22	-324 -324 -324	
Section 9 - E S9 Box Culve S9 Box Culve Box Culvert C	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction (CH 0 to 48)	170 170 170 143	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23	08-Apr-22 08-Apr-22 08-Apr-22 30-May-22	23-Sep-22 23-Sep-22 23-Sep-22 23-Sep-22	-324 -324 -324 -324 -297	
Section 9 - E S9 Box Culve S9 Box Culve Box Culvert C S9-6310	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction (CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation	170 170 170 143 44	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23	08-Apr-22 08-Apr-22 08-Apr-22 30-May-22 30-May-22	23-Sep-22 23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22	-324 -324 -324 -324 -297 -297	
Section 9 - E S9 Box Culve S9 Box Culve Box Culvert C S9-6310 S9-6320	Box Culvert Construction at Portion 20 Prt C - (CSD Scheme) Prt C - ELS Installation & Structure Construction Provide C - ELS Installation & Structure Construction Provide C - ELS Installation & Structure Construction Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Base Slab Construction Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork	170 170 170 143 44 11 24 35	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23	08-Apr-22 08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22	23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22	-324 -324 -324 -324 -297 -297 -297	
Section 9 - E 59 Box Culve 59 Box Culve S9 Box Culve Box Culvert C S9-6310 S9-6320 S9-6330 S9-6335 S9-6340	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction ert C - ELS Installation & Structure Construction ert C - Unit C - ELS Installation & Structure Construction Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Base Slab Construction Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Walls and Top Slab Construction (pour in one go)	170 170 170 170 143 44 11 24 35 38	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23	08-Apr-22 08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 02-Jul-22	23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22	-324 -324 -324 -297 -297 -297 -297 -297 -294 -294	
ection 9 - E 59 Box Culve S9 Box Culve Box Culvert C 59 6310 59 6320 59 6330 59 6330 59 6330 59 6330 59 6330 59 6330	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction c(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Base Slab Construction Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Walls and Top Slab Construction (pour in one go) Box C (CH0-48) - Formwork Removal	170 170 170 143 44 11 24 35 38 12	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 22-May-23 A 05-Jun-23 05-Jul-23 05-Jul-23 18-Aug-23	30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23	08-Apr-22 08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 06-Jul-22 16-Aug-22	23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 29-Aug-22	-324 -324 -324 -324 -297 -297 -297 -297 -294 -297 -297 -297 -297	
ection 9 - E 59 Box Culve S9 Box Culve Box Culvert C 59 6310 59 6320 59 6330 59 6330 59 6340 59 6350 59 6360	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction c(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Base Slab Construction Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Walls and Top Slab Construction (pour in one go) Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal	170 170 170 143 44 11 24 35 38 12 21	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23 05-Jul-23 18-Aug-23 01-Sep-23	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23	08-Apr-22 08-Apr-22 08-Apr-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 06-Jul-22 16-Aug-22 30-Aug-22	23-Sep-22 23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 29-Aug-22 23-Sep-22	-324 -324 -324 -324 -297 -297 -297 -297 -294 -297 -297 -297 -297	
ection 9 - E 59 Box Culve 59 Box Culve Box Culvert C 59 6310 59 6320 59 6330 59 6330 59 6330 59 6350 59 6360 59 6360 59 6360 59 6360 59 6360 59 6360 50 640 50 640 5	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction e(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Walls and Top Slab Construction (pour in one go) Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal Struct H 8 to 80)	170 170 170 170 143 44 11 24 35 38 12 21 152	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 05-Jun-23 05-Jun-23 05-Jul-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 02-Jul-22 16-Aug-22 30-Aug-22 08-Apr-22	23-Sep-22 23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 29-Aug-22 23-Sep-22 08-Sep-22	-324 -324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
ection 9 - E 59 Box Culve S9 Box Culve Box Culvert C 59 6310 59 6320 59 6330 59 6335 59 6330 59 6335 59 6330 59 6335 59 6330 59 6335 59 6330 59 6335 59 6330 59 6335 59 6330 59 6330 50 630 50 6 50 6	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction c(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal Box C (CH0-48) - Backfilling and Strut Removal Box C (CH48-80) - Excavation and ELS Installation	170 170 170 143 44 11 24 35 38 12 21 152	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 22-May-23 A 05-Jul-23 05-Jul-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A	30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 02-Jul-22 16-Aug-22 30-Aug-22 08-Apr-22 08-Apr-22	23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 29-Aug-22 23-Sep-22 06-Sep-22 06-Jun-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
ection 9 - E 59 Box Culve 59 Box Culve Box Culvert C 59 6310 59 6320 59 6330 59 6330 59 6330 59 6350 59 6360 59 6360 59 6360 59 6360 59 6360 59 6360 50 640 50 640 5	Box Culvert Construction at Portion 20 Part C - (CSD Scheme) Part C - ELS Installation & Structure Construction C(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Base Stab Construction Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Readwork Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Readwork Box C (CH0-48) - Walls and Top Slab Construction (pour in one go) Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal Box C (CH0-48) - Backfilling and Strut Removal Box C (CH48-80) - Excavation and ELS Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation	170 170 170 170 143 44 11 24 35 38 12 21 152	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 05-Jun-23 05-Jun-23 05-Jul-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23 04-Jul-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 02-Jun-22 02-Jul-22 16-Aug-22 30-Aug-22 08-Apr-22 08-Apr-22 02-Jun-22	23-Sep-22 23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 29-Aug-22 23-Sep-22 08-Sep-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
Section 9 - E 59 Box Culve 59 Box Culve S9 Box Culve Box Culvert C S9 6310 S9 6320 S9 6330 S9 6330 S9 6335 S9 6336 S9 6337 S9 6338 S9 6330	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction c(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal Box C (CH0-48) - Backfilling and Strut Removal Box C (CH48-80) - Excavation and ELS Installation	170 170 170 143 44 11 24 35 38 12 21 152 80 11	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A 19-Apr-23 A 20-Jun-23	30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 02-Jul-22 16-Aug-22 30-Aug-22 08-Apr-22 08-Apr-22	23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 23-Sep-22 08-Sep-22 06-Jun-22 15-Jun-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
ection 9 - E S9 Box Culve S9 Box Culve Box Culvert C S9-6310 S9-6320 S9-6330 S9-6330 S9-6330 S9-6350 S9-6350 S9-6350 Box Culvert C S9-6380 S9-6390 S9-6400 S9-6410	Box Culvert Construction at Portion 20 Part C - (CSD Scheme) Part C - ELS Installation & Structure Construction C(H 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Base Stab Construction Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Orbit Construction (pour in one go) Box C (CH0-48) - Formwork Removal Box C (CH0-48) - BaseKilling and Strut Removal Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Base Stab Construction	170 170 170 143 44 11 24 35 38 12 21 152 80 11 30	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jul-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A 20-Jun-23 26-Jul-23	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23 04-Jul-23 29-Aug-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 06-Jul-22 16-Aug-22 30-Aug-22 08-Apr-22 08-Apr-22 08-Apr-22 16-Jun-22	23-Sap-22 23-Sap-22 23-Sap-22 23-Sap-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 23-Sap-22 23-Sap-22 08-Sap-22 06-Jun-22 15-Jun-22 21-Jul-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
Section 9 - E S9 Box Culve S9 Box Culve S9 Box Culve Box Culvert C S9-6310 S9-6320 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6360 Box Culvert C S9-6380 S9-6390 S9-6400 S9-6410	Box Culvert Construction at Portion 20 Int C - (CSD Scheme) Int C - ELS Installation & Structure Construction C(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Base Slab Construction Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Othon (Degree 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Walls and Top Slab Construction (pour in one go) Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal Box C (CH0-48) - Excavation and ELS Installation Box C (CH48-80) - Excavation and ELS Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Base Slab Construction Box C (CH48-80) - Base Slab Construction Box C (CH48-80) - Walls and Top Slab Construction (pour in one go)	170 170 170 143 44 11 24 35 38 12 21 152 80 11 30 42	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23 18-Aug-23 18-Aug-23 19-Apr-23 A 19-Apr-23 A 20-Jun-23 26-Jul-23 30-Aug-23	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 31-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 04-Jul-23 29-Aug-23 19-Oct-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 06-Jul-22 16-Aug-22 30-Aug-22 08-Apr-22 08-Apr-22 08-Apr-22 08-Apr-22 16-Jun-22 16-Jun-22	23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 23-Sep-22 08-Sep-22 06-Jun-22 15-Jun-22 21-Jul-22 08-Sep-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
Box Culve S9 Box Culve S9 Box Culve S9 Box Culve Box Culvert C S9-6310 S9-6320 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6350 S9-6360 Box Culvert C S9-6380 S9-6390 S9-6410 Box Culvert C	Box Culvert Construction at Portion 20 Int C - (CSD Scheme) Int C - ELS Installation & Structure Construction C(H 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Steel Capping Plates Installation (pour in one go) Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal Box C (CH48-80) - Excavation and ELS Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Base Slab Construction Box C (CH48-80) - Base Slab Construction Box C (CH48-80) - Base Slab Construction Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) Box C (CH48-80) - Walls and Top Slab Cons	170 170 170 143 44 11 24 35 38 12 21 152 80 11 30 42 114	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A 19-Apr-23 A 20-Jun-23 26-Jul-23 30-Aug-23 14-Jun-23	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23 04-Jul-23 29-Aug-23 19-Oct-23 30-Oct-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 06-Jul-22 06-Jul-22 16-Aug-22 30-Aug-22 08-Apr-22 08-Apr-22 08-Apr-22 16-Jun-22 22-Jul-22 22-Jul-22	23-Sap-22 23-Sap-22 23-Sap-22 23-Sap-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 23-Sap-22 06-Jun-22 06-Jun-22 15-Jun-22 21-Jul-22 08-Sap-22 08-Sap-22 08-Sap-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
Box Culve S9 Box Culve S9 Box Culve S9 Box Culve Box Culvert C S9 6310 S9 6320 S9 6330 S9 6335 S9 6336 S9 6337 S9 6338 S9 6339 S9 6330 S9 6400 S9 6410 Box Culvert C S9 6440	Box Culvert Construction at Portion 20 Part C - (CSD Scheme) Part C - ELS Installation & Structure Construction C(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal Box C (CH48-80) - Excavation and ELS Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Base Slab Construction Box C (CH48-80) - Walls and Top Slab Cons	170 170 170 143 44 11 24 35 38 12 21 152 80 11 30 42 114	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A 19-Apr-23 A 20-Jun-23 26-Jul-23 30-Aug-23 14-Jun-23	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23 04-Jul-23 29-Aug-23 19-Oct-23 30-Oct-23 03-Aug-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 02-Jun-22 02-Jun-22 16-Aug-22 08-Apr-22 08-Apr-22 08-Apr-22 16-Jun-22 16-Jun-22 22-Jul-22 22-Apr-22	23-Sep-22 23-Sep-22 23-Sep-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 23-Sep-22 08-Sep-22 06-Jun-22 15-Jun-22 21-Jul-22 08-Sep-22 08-Sep-22 08-Sep-22 15-Jun-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
ection 9 - E 9 Box Culve 9 Box Culve 89 Box Culve Box Culvert C 9 6310 9 6320 9 6330 9 6330 9 6350 9 6340 9 6360 Box Culvert C 9 6390 9 6390 9 6390 9 6390 9 6400 9 6410 Box Culvert C 9 6440 9 6450 9 6450 9 6460	Box Culvert Construction at Portion 20 ert C - (CSD Scheme) ert C - ELS Installation & Structure Construction (CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Excavation and ELS Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CtH 48 to 80) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CtH 48 to 0 Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CtH 48 to 0 Outfall) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CtH 48 to 0 Outfall) Box C (CH48-80) - Walls and Top Slab Construction (pour in one g	170 170 170 143 44 11 24 35 38 12 21 152 80 11 30 42 114 30 42 30	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A 19-Apr-23 A 20-Jun-23 26-Jul-23 30-Aug-23 14-Jun-23 14-Jun-23	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23 04-Jul-23 29-Aug-23 19-Oct-23 30-Oct-23 03-Aug-23 07-Sep-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 02-Jun-22 02-Jun-22 16-Aug-22 08-Apr-22 08-Apr-22 08-Apr-22 16-Jun-22 16-Jun-22 22-Jul-22 25-Apr-22 16-Jun-22	23-Sap-22 23-Sap-22 23-Sap-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 23-Sap-22 23-Sap-22 06-Jun-22 15-Jun-22 21-Jul-22 08-Sap-22 08-Sap-22 08-Sap-22 08-Sap-22 15-Jun-22 21-Jul-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
ection 9 - E 9 Box Culve 9 Box Culve 89 Box Culve Box Culvert C 9 6320 9 6330 9 6330 9 6330 9 6330 9 6340 80 Culvert C 9 6380 9 6400 9 6400 9 6400 9 6400 9 6400 9 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Box Culvert Construction at Portion 20 eff C - (CSD Scheme) eff C - ELS Installation & Structure Construction c(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Walls and Top Slab Construction (pour in one go) Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal CCH 48 to 80) Box C (CH48-80) - Excavation and ELS Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CH 48 to 80) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CH 48 to 0.001611) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) C(CH48-80) - Walls and Top Slab Construction (pour in one go) CH 48 to 0.001611) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) C(CH48-	170 170 170 143 44 11 24 35 38 12 21 152 80 11 30 42 30 42 30 42	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A 19-Apr-23 A 20-Jun-23 26-Jul-23 30-Aug-23 14-Jun-23 14-Jun-23 04-Aug-23 08-Sep-23	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23 04-Jul-23 29-Aug-23 19-Oct-23 30-Oct-23 07-Sep-23 30-Oct-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 02-Jun-22 02-Jun-22 02-Jun-22 08-Apr-22 08-Apr-22 08-Apr-22 16-Jun-22 22-Jun-22 25-Apr-22 16-Jun-22 25-Apr-22 16-Jun-22 25-Apr-22 16-Jun-22 22-Jun-22	23-Sap-22 23-Sap-22 23-Sap-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 23-Sap-22 23-Sap-22 06-Jun-22 23-Sap-22 06-Jun-22 21-Jul-22 08-Sap-22 08-Sap-22 15-Jun-22 21-Jul-22 08-Sap-22 15-Jun-22 21-Jul-22 08-Sap-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
S9 Box Culve S9 Box Culve Box Culvert C S9-6310 S9-6320 S9-6330 S9-6335 S9-6336 S9-6337 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6400 S9-6410 Box Culvert C S9-6440 S9-6460	Box Culvert Construction at Portion 20 ent C - (CSD Scheme) ent C - ELS Installation & Structure Construction c(CH 0 to 48) Box C (CH-049) - Excavation and ELS Installation Box C (CH-049) - Steel Capping Plates Installation Box C (CH-049) - Steel Capping Plates Installation Box C (CH-049) - Steel Capping Plates Installation Box C (CH-049) - Othol (Bay 1) to be incorporated with L1 Readwork Box C (CH-049) - Othol (Bay 1) to be incorporated with L1 Readwork Box C (CH-049) - Othol (Bay 1) to be incorporated with L1 Readwork Box C (CH-048) - Formwork Removal Box C (CH-048) - Backfilling and Strut Removal Box C (CH-048) - Backfilling and Strut Removal Box C (CH-048) - Excavation and ELS Installation Box C (CH-048 - 80) - Excavation and ELS Installation Box C (CH-048 - 80) - Steel Capping Plates Installation Box C (CH-048 - 80) - Steel Capping Plates Installation Box C (CH-048 - 80) - Steel Capping Plates Installation Box C (CH-048 - 80) - Walls and Top Slab Construction (pour in one go) c(CH-148 - 80) - Walls and Top Slab Construction (pour in one go) c(CH+08 - 00.utiall) Box C (CH-80 - 0.utiall) Box C (CH-80 - 0.utiall) - Steelpile Installation Box C (CH-80 - 0.utiall) - Curestruction	170 170 170 143 44 11 24 35 38 12 21 152 80 11 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 28	03-Apr-23 A 05-Jun-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A 20-Jun-23 26-Jul-23 19-Apr-23 A 20-Jun-23 26-Jul-23 03-Aug-23 04-Aug-23 08-Sep-23 19-Sep-23 19-Sep-23	30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23 04-Jul-23 25-Jul-23 04-Jul-23 29-Aug-23 19-Oct-23 30-Oct-23 30-Oct-23 24-Oct-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 02-Jun-22 06-Jul-22 06-Jul-22 06-Apr-22 08-Apr-22 08-Apr-22 08-Apr-22 08-Apr-22 16-Jun-22 22-Jul-22 25-Apr-22 16-Jun-22 25-Apr-22 16-Jun-22 25-Apr-22 11-Apr-22	23-Sap-22 23-Sap-22 23-Sap-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 15-Aug-22 23-Sap-22 06-Jun-22 06-Jun-22 15-Jun-22 21-Jul-22 08-Sap-22 08-Sap-22 15-Jun-22 21-Jul-22 08-Sap-22 15-Jun-22 21-Jul-22 08-Sap-22 18-May-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	
Section 9 - E S9 Box Culve S9 Box Culve S9 Box Culve Box Culvert C S9-6310 S9-6320 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6330 S9-6350 S9-6360 Box Culvert C S9-6390 S9-6400 S9-6400 <td>Box Culvert Construction at Portion 20 eff C - (CSD Scheme) eff C - ELS Installation & Structure Construction c(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Walls and Top Slab Construction (pour in one go) Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal CCH 48 to 80) Box C (CH48-80) - Excavation and ELS Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CH 48 to 80) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CH 48 to 0.001611) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) C(CH48-80) - Walls and Top Slab Construction (pour in one go) CH 48 to 0.001611) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) C(CH48-</td> <td>170 170 170 143 44 11 24 35 38 12 21 152 80 11 30 42 30 42 28</td> <td>03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A 19-Apr-23 A 20-Jun-23 26-Jul-23 30-Aug-23 14-Jun-23 14-Jun-23 04-Aug-23 08-Sep-23</td> <td>30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23 04-Jul-23 29-Aug-23 19-Oct-23 30-Oct-23 07-Sep-23 30-Oct-23</td> <td>08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 02-Jun-22 02-Jun-22 02-Jun-22 08-Apr-22 08-Apr-22 08-Apr-22 16-Jun-22 22-Jun-22 25-Apr-22 16-Jun-22 25-Apr-22 16-Jun-22 25-Apr-22 16-Jun-22 22-Jun-22</td> <td>23-Sap-22 23-Sap-22 23-Sap-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 23-Sap-22 23-Sap-22 06-Jun-22 23-Sap-22 06-Jun-22 21-Jul-22 08-Sap-22 08-Sap-22 15-Jun-22 21-Jul-22 08-Sap-22 15-Jun-22 21-Jul-22 08-Sap-22</td> <td>-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297</td> <td></td>	Box Culvert Construction at Portion 20 eff C - (CSD Scheme) eff C - ELS Installation & Structure Construction c(CH 0 to 48) Box C (CH0-48) - Excavation and ELS Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - Steel Capping Plates Installation Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - CH0-10 (Bay 1) to be incorporated with L1 Roadwork Box C (CH0-48) - Walls and Top Slab Construction (pour in one go) Box C (CH0-48) - Formwork Removal Box C (CH0-48) - Backfilling and Strut Removal CCH 48 to 80) Box C (CH48-80) - Excavation and ELS Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Steel Capping Plates Installation Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CH 48 to 80) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) CH 48 to 0.001611) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) C(CH48-80) - Walls and Top Slab Construction (pour in one go) CH 48 to 0.001611) Box C (CH48-80) - Walls and Top Slab Construction (pour in one go) C(CH48-	170 170 170 143 44 11 24 35 38 12 21 152 80 11 30 42 30 42 28	03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 03-Apr-23 A 22-May-23 A 05-Jun-23 05-Jun-23 05-Jul-23 18-Aug-23 01-Sep-23 19-Apr-23 A 19-Apr-23 A 20-Jun-23 26-Jul-23 30-Aug-23 14-Jun-23 14-Jun-23 04-Aug-23 08-Sep-23	30-Oct-23 30-Oct-23 30-Oct-23 25-Sep-23 16-Jun-23 21-Jun-23 04-Jul-23 14-Aug-23 17-Aug-23 31-Aug-23 25-Sep-23 19-Oct-23 25-Jul-23 04-Jul-23 29-Aug-23 19-Oct-23 30-Oct-23 07-Sep-23 30-Oct-23	08-Apr-22 08-Apr-22 30-May-22 30-May-22 30-May-22 02-Jun-22 02-Jun-22 02-Jun-22 02-Jun-22 08-Apr-22 08-Apr-22 08-Apr-22 16-Jun-22 22-Jun-22 25-Apr-22 16-Jun-22 25-Apr-22 16-Jun-22 25-Apr-22 16-Jun-22 22-Jun-22	23-Sap-22 23-Sap-22 23-Sap-22 15-Jun-22 20-Jun-22 30-Jun-22 15-Aug-22 23-Sap-22 23-Sap-22 06-Jun-22 23-Sap-22 06-Jun-22 21-Jul-22 08-Sap-22 08-Sap-22 15-Jun-22 21-Jul-22 08-Sap-22 15-Jun-22 21-Jul-22 08-Sap-22	-324 -324 -324 -297 -297 -297 -297 -297 -297 -297 -297	







ection 12C - 0 Section 12C - R S12C-PC10 S12C Road L1 - Road L1 - PMI S12C-1100B S12C-1100C S12C-6440 S12C-6440 S12C-6460 Road L1 - Desi S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C-5730 S12C Road L1 - S12C Road L1	oad L1 - Portion18C (CH 1170 to 1430) 260m Complete Road L1 (PMI088) Submissions Submissions Issued PMI No. 150 - Quotation Preparation and Submission Issued PMI No. 150 - Quotation Preparation and Submission Issued PMI No. 150 - PM Review and Reply Issued PMI No. 171 - Road L1 Roadworks for Flexible Pavement (Bitument) Layer Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery ign and Method Statement	Dur 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 105 105 105 105 114 114 0 24	19-Sep-22A 19-Sep-22A 19-Sep-22A 19-Sep-22A 21-Mar-23A 21-Mar-23A 05-Jup-23	16-Dec-23 16-Dec-23 16-Dec-23 30-Aug-23* 19-Jun-23 19-Jun-23	30-May-22 30-May-22 30-May-22	11-Nov-26 11-Nov-26 11-Nov-26	Float 413 413 413	<u>07 14 21 28</u>	04	32 11 18	25 02	09 16	23 30	34 06 13	20 27	03 10	17
ection 12C - 0 Section 12C - R S12C-PC10 S12C Road L1 - Road L1 - PMI S12C-1100B S12C-1100C S12C-6440 S12C-6440 S12C-6460 Road L1 - Desi S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C-5730 S12C Road L1 - S12C Road L1	Construction Coad L1 - Portion18C (CH 1170 to 1430) 260m Complete Road L1 (PMI088) Submissions S Issued PMI No. 150 - Quotation Preparation and Submission Issued PMI No. 150 - PM Review and Reply Issued PMI No. 150 - PM Review and Reply Issued PMI No. 171 - Road L1 Roadworks for Flexible Pavement (Bitument) Layer Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery ign and Method Statement	175 175 0 105 42 21 14 0	19-Sep-22 A 19-Sep-22 A 19-Sep-22 A 21-Mar-23A 21-Mar-23A	16-Dec-23 16-Dec-23 30-Aug-23* 19-Jun-23	30-May-22 30-May-22	11-Nov-26	413										
Section 12C - R S12C-PC10 S12C Road L1 - Road L1 - PMI S12C-1100B S12C-6440 S12C-6440 S12C-6450 S12C-6460 Road L1 - Desi S12C-5710 S12C-5720 S12C-5730 S12C-5730 S12C Road L1 - S12C Road L1 -	oad L1 - Portion18C (CH 1170 to 1430) 260m Complete Road L1 (PMI088) Submissions Submissions Issued PMI No. 150 - Quotation Preparation and Submission Issued PMI No. 150 - Quotation Preparation and Submission Issued PMI No. 150 - PM Review and Reply Issued PMI No. 171 - Road L1 Roadworks for Flexible Pavement (Bitument) Layer Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery ign and Method Statement	175 0 105 42 21 14 0	19-Sep-22 A 19-Sep-22 A 21-Mar-23A 21-Mar-23A	16-Dec-23 30-Aug-23* 19-Jun-23	30-May-22												a al c a
S12C-PC10 S12C Road L1 - Road L1 - PMI: S12C-1100B S12C-6440 S12C-6440 S12C-6460 S12C-6460 Road L1 - Desi S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C-7570 S12C-7	Complete Road L1 (PMI088) Submissions S Issued PMI No. 150 - Quotation Preparation and Submission Issued PMI No. 150 - PM Review and Reply Issued PMI No. 150 - PM Review and Reply Issued PMI No. 171 - Road L1 Roadworks for Flexible Pavement (Bitument) Layer Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery Ign and Method Statement	105 42 21 14 0	19-Sep-22 A 21-Mar-23A 21-Mar-23A	30-Aug-23* 19-Jun-23		11-Nov-26	413	· · · · · · · · · · · · · · · · · · ·			+				· 		
S12C Road L1 - Road L1 - PMIS S12C-1100B S12C-6440 S12C-6440 S12C-6460 Road L1 - Desi S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C-5730 S12C Road L1 - S12C Road L1 S12C-6560	Submissions S Issued PMI No. 150 - Quotation Preparation and Submission Issued PMI No. 150 - PM Review and Reply Issued PMI No. 150 - PM Review and Reply Issued PMI No. 171 - Road L1 Roadworks for Flexible Pavement (Bitument) Layer Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery Ign and Method Statement	105 42 21 14 0	21-Mar-23A 21-Mar-23A	19-Jun-23			10				1.1.1				1 1		
Road L1 - PMI S12C-1100B S12C-1100C S12C-6440 S12C-6450 S12C-6460 Road L1 - Desi S12C-5720 S12C-5730 S12C-5730 S12C Road L1 - S12C-5680	S Issued PMI No. 150 - Quotation Preparation and Submission Issued PMI No. 150 - PM Review and Reply Issued PMI No. 171 - Road L1 Roadworks for Flexible Pavement (Bitument) Layer Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery Isgn and Method Statement	42 21 14 0	21-Mar-23A 21-Mar-23A			31-Jul-23	-30				+				•	Complete Road L1 (PMI088)	
S12C-1100B S12C-1100C S12C-6440 S12C-6450 S12C-6460 Road L1 - Desi S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C Road L1 - S12C Road L1 S12C-6560	Issued PMI No. 150 - Quotation Preparation and Submission Issued PMI No. 150 - PM Review and Reply Issued PMI No. 171 - Road L1 Roadworks for Flexible Pavement (Bitument) Layer Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery ign and Method Statement	14 0	21-Mar-23A	19-Jun-23	19-May-23	09-Sep-26	459				· · · · · · · · · · · · · · · · · · ·		,	· · · · · · · · · · · · · · · · · · ·			
S12C-1100C S12C-6440 S12C-6450 S12C-6460 Road L1 - Dess S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C Road L1 - S12C Road L1 S12C-6560	Issued PMI No. 150 - PM Review and Reply Issued PMI No. 171 - Road L1 Roadworks for Flexible Pavement (Bitument) Layer Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery ign and Method Statement	14 0			25-May-23	09-Sep-26	459		· · ·		; ; ;		i i i+	i i i !			
S12C-6440 S12C-6450 S12C-6460 Road L1 - Desi S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C Road L1 - S12C Road L1 S12C-6560	Issued PMI No. 171 - Road L1 Roadworks for Flexible Pavement (Bitument) Layer Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery ign and Method Statement	0	05-001-23	04-Jun-23	23-Aug-26	26-Aug-26	1179		Issued PMI	No. 150 - Quotation Prepa	+		 ++	· · · · · · · · · · · · · · · · · · ·	 		·!
S12C-6450 S12C-6460 Road L1 - Desi S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C Road L1 - S12C Road L1 S12C-6560	Road L1 Flexible Pavement - Subletting Road L1 Flexible Pavement - Material Procurement and Delivery ign and Method Statement		00 00.120	18-Jun-23 09-May-23 A	27-Aug-26	09-Sep-26 25-May-23	1179	A loging DMINe 171 Deed 1 Deeduring for			VII No. 150 - PM Review and	Reply		i i 			
S12C-6460 Road L1 - Desi S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C Road L1 - S12C Road L1 S12C-6560	Road L1 Flexible Pavement - Material Procurement and Delivery ign and Method Statement		25-Apr-23 A	09-Jun-23	25-May-23	03-Jun-23	-5	Ssued PMI No. 171 - Bread L1 Readworks for		Road L1 Flexible Pavement	Sibletting	 		· · · · · · · · · · · · · · · · · · ·	 		
S12C-5690 S12C-5710 S12C-5720 S12C-5730 S12C Road L1 S12C Road L1 S12C-6560		8	10-Jun-23	19-Jun-23	05-Jun-23	13-Jun-23	-5				+	al Procurement and Delivery	/				
S12C-5710 S12C-5720 S12C-5730 S12C Road L1 - S12C Road L1 S12C-6560	National Obstances IDN Davis and Assessments (Descent Connects Discourse)	36	19-Sep-22 A	05-Jun-23	19-May-23	23-May-23	-13								-	+	
S12C-5720 S12C-5730 S12C Road L1 - S12C Road L1 S12C-6560	Method Statement PM Review and Acceptance (Precast Concrete Pipe and Fittings)	21	21-Sep-22 A	03-Jun-23	19-May-23	21-May-23	-13		Method State	ment PM Review and Acce	eptance (Precast Concrete F	pe and Fittings)					
S12C-5730 S12C Road L1 - S12C Road L1 S12C-6560	Temporary Works Design PM Review and Acceptance (Road L1 Trench Excavation 2m,3m depth)	21	03-Oct-22 A	05-Jun-23	19-May-23	23-May-23	-13	· · · · · · · · · · · · · · · · · · ·			+	Trench Excavation 2m,3m	depth)				
S12C Road L1 - S12C Road L1 S12C-6560	Temporary Works Design Submission (Road L1 Trench Excavation 4m,5m depth)	15	19-Sep-22 A	02-Jun-23	19-May-23	20-May-23	-13				oad L1 Trench Excavation 4				· · · · · · · · · · · · · · · · · · ·		
S12C Road L1 S12C-6560	Temporary Works Design PM Review and Acceptance (Road L1 Trench Excavation 4m,5m depth)	21	04-Oct-22 A 05-May-23 A	05-Jun-23 30-Aug-23	19-May-23 22-May-23	23-May-23 11-Nov-26	-13 946		Tempora	ry Works Design PM Revi	ew and Acceptance (Road L	Trench Excavation 4m,5m c	1epth)	· · · · · · · · · · · · · · · · · · ·			
S12C-6560	- Stage 1 (Building 11) - Drainage & Sewage, Watermain & Flushing	15	14-Aug-23	30-Aug-23	14-Jul-23	31-Jul-23	-26										
S12C Road L1	Stage 1B 18C Road L1 (Building 11) - Irrigation works	15	14-Aug-23	30-Aug-23	14-Jul-23	31-Jul-23	-26									Stabe 1B 18C Road L1 (Build	lina: 11) - Irr
	- Stage 1 (Building 11) - UU Installation and Enabling Works (by Others)	68	05-May-23 A	26-Jul-23	22-May-23	13-Jul-23	-11				+						
S12C-5642	Stage 1A 18C Road L1 (Building 11) - UU enabling works (132kV cross road ducts)	7	05-May-23 A	12-May-23 A	22-May-23	22-May-23				· · · · · · · · · · · · · · · · · · ·		,	, ,	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
S12C-5650	Stage 1A 18C Road L1 (Building 11) - UU enabling works (132kV)	6	26-Jun-23	03-Jul-23	12-Jun-23	17-Jun-23	-11					A 18C Road L1 (Building 11)	- UU enabling works (132k\	· /			
	Stage 1A 18C Road L1 (Building 11) - UU enabling works (11kV)	6	04-Jul-23	10-Jul-23	19-Jun-23	26-Jun-23	-11				·	Stage 1/A 18C Road L	(Building 11) - UU enabling	7			
S12C-5670	Stage 1A 18C Road L1 (Building 11) - UU enabling works (telecom)	14 45	11-Jul-23 20-Jun-23	26-Jul-23 12-Aug-23	27-Jun-23 14-Jun-23	13-Jul-23 11-Nov-26	-11 961						Stage 1A 18C Ro	ad L1 (Building 11) - UU en	apling works (télecom)		
S12C Hoad L1 S12C-5756	Stage 1 (Building 11) - Roadworks and Lighting Stage 1 18C Road L1 (Building 11) - Road works (Carriageway)	45	20-Jun-23	07-Jul-23	14-Jun-23	30-Jun-23	-5			· · · · · · · · · · · · · · · · · · ·	<u>+</u> -	Stage 1 18C Road L1 (Buildi	ng 11) - Roadworks (Corrig		·		
	Stage 1 18C Road L1 (Building 11) - Road works (can rageway) Stage 1 18C Road L1 (Building 11) - Road works (entrances)	14	20-Jul-23	11-Aug-23	27-Oct-26	11-Nov-26	962							· · · · · · · · · · · · · · · · · · ·	Road L1 (Building 11) - R	pad works (entrances)	i
	Stage 1 18C Road L1 (Building 11) - Road works (Lighting)	15	03-Jul-23	19-Jul-23	26-Jun-23	13-Jul-23	-5					Sta	ge 1 18C Road L1 (Building			· · · · · · · · · · · · · · · · · · ·	
S12C-5762	Stage 1 18C Road L1 (Building 11) - Road works (Footpath)	15	27-Jul-23	12-Aug-23	14-Jul-23	31-Jul-23	-11				+			Stage 1 18	CRoadL1 (Building 11) -	Road works (Footpath)	!
S12C Road L1 -	Stage 2 (Building 12)	71	17-May-23 A	12-Aug-23	19-May-23	31-Jul-23	-11							· · · · · · · · · · · · · · · · · · ·			
S12C Road L1	- Stage 2 (Building 12) - Drainage & Sewage, Watermain & Flushing	48	17-May-23 A	17-Jul-23	19-May-23	05-Jul-23	-10					· · · · · · · · · · · · · · · · · · ·		·	· · · · · · · · · · · · · · · · · · ·		
S12C-5750	Stage 2 18C Road L1 (Building 12) - Drainage	27	17-May-23 A	19-Jun-23	19-May-23	19-May-23	-24			Stage 2	18C Road L1 (Building 12) -	Drainage			·		!
S12C-6700	Stage 2 18C Road L1 (Building 12) - Watermain (crossroad)	6 18	19-Jun-23	26-Jun-23	13-Jun-23	19-Jun-23	-5				Stage 2 18C Road L1	(Building 12) - Watermain (d	prossroad) 18C Road L1 (Building 12) -	1 1	1 1		·¦
S12C-6710	Stage 2 18C Road L1 (Building 12) - Constructin of Oil Interceptors (1 no.) - Stage 2 (Building 12) - UU Installation and Enabling Works (by Others)	37	26-Jun-23	17-Jul-23 02-Aug-23	13-Jun-23 13-Jun-23	05-Jul-23 31-Jul-23	-10					Stage 2	18C Road L1 (Building 12) -	Constructin of OII Intercept	ors (1 no.)		
S12C-6665	Stage 2 (Building 12) - OU installation and Enabling Works (by Others) Stage 2 18C Road L1 (Building 12) - UU enabling works (11kV cross road ducts)	6	19-Jun-23	26-Jun-23	13-Jun-23	19-Jun-23	-5				Stane 2 18C Boad I 1	(Building 12) - UU enabling v	works (11kV cross road duct	s)			
S12C-6670	Stage 2 18C Road L1 (Building 12) - UU enabling works (132kV)	6	04-Jul-23	10-Jul-23	20-Jun-23	27-Jun-23	-10				;	Stage 2,18C Road L1	; <u>-</u>	;;	· <mark>-</mark>		
S12C-6680	Stage 2 18C Road L1 (Building 12) - UU enabling works (11kV)	6	11-Jul-23	17-Jul-23	28-Jun-23	05-Jul-23	-10				÷		18C Road L1 (Building 12) -				
S12C-6690	Stage 2 18C Road L1 (Building 12) - UU enabling works (telecom)	14	18-Jul-23	02-Aug-23	15-Jul-23	31-Jul-23	-2				<u>.</u>			ge 2 18C Road L1 (Building	12) - UU enabling works	(telecom)	
S12C Road L1	- Satge 2 (Building 12) - Roadworks and Lighting	36	03-Jul-23	12-Aug-23	06-Jul-23	31-Jul-23	-11							· · · · · · · · · · · · · · · · · · ·			
S12C-5758A	Stage 2 18C Road L1 (Building 12) - Road works (Carriageway)	7	18-Jul-23	25-Jul-23	06-Jul-23	13-Jul-23	-10						Stage 2 18C Road L	1 (Building 12) - Road work	s (Carriageway)		
	Stage 2 18C Road L1 (Building 12) - Road works (Lighting)	15	03-Jul-23	19-Jul-23	14-Jul-23	31-Jul-23	10					Sta	ge 2 18C Road L1 (Building	12) - Road works (Lighting)			
	Stage 2 18C Road L1 (Building 12) - Road works (Footpath)	15	27-Jul-23 14-Feb-23 A	12-Aug-23 09-Sep-23	14-Jul-23 05-Jun-23	31-Jul-23 11-Nov-26	-11 037				÷			, Stage 2 18	C Road L1 (Building 12) -	Road works (Footpath)	
	Stage 3 (Building 8) - Stage 3A (Building 8) - Drainage & Sewage, Watermain & Flushing	128	01-Mar-23A	05-Aug-23	01-Aug-26	06-Oct-26	937					 		 			
S12C-5790	Stage 3A 18C Road L1 (B dg 8) - Drainage and Sewage	117	01-Mar-23A	12-Jul-23	01-Aug-26	09-Sep-26	937					State 3A 18C Roa	ad L1 (Bldg 8) - Drainage and	Sewace	· · · · · · · · · · · · · · · · · · ·		
	Stage 3A 18C Road L1 (B dg 8) - Watermain and Flushing	21	13-Jul-23	05-Aug-23	10-Sep-26	06-Oct-26	937			 I I	±			Stage 3A 18C Road L1 (E	Bidg 8) - Watermain and F	lushing	
S12C Road L1	- Stage 3B (Building 8) - Drainage & Sewage, Watermain & Flushing	69	20-Jun-23	09-Sep-23	14-Jul-23	11-Nov-26	937			 I I	· · · · · · · · · · · · · · · · · · ·	J			· L · · · · · · · · · · · · · · · · · ·		!
S12C-6600	Stage 3B 18C Road L1 (Bldg 8) - Drainage and Sewage	30	07-Aug-23	09-Sep-23	07-Oct-26	11-Nov-26	937				· · · · · · · · · · · · · · · · · · ·					Stage 3E	18C Road
	Stage 3B Road L1 (Bldg 8) - Irrigation	15	20-Jun-23	08-Jul-23	14-Jul-23	31-Jul-23	19				<u>.</u> 	Stage 3B Road L1 (Bldg 8)	- Irrigation		 		
	- Stage 3 (Building 8) - UU Installation and Enabling Works (by Others)	123	14-Feb-23 A	15-Jul-23	05-Jun-23	21-Jul-23	5									· · · · · · · · · · · · · · · · · · ·	
S12C-5760	Stage 3A 18C Road L1 (B dg 8) - UU enabling works (towngas)	66	14-Feb-23 A	30-Jun-23	05-Jun-23	05-Jul-23	3				Stage 3A 180	Road L1 (B dg 8) - UU enab					
S12C-5810 S12C-5816	Stage 3A 18C Road L1 (B dg 8) - UU enabling works (132kV) Stage 3A 18C Road L1 (B dg 8) - UU enabling works (11kv)	12	03-Jul-23 03-Jul-23	15-Jul-23 10-Jul-23	08-Jul-23 06-Jul-23	21-Jul-23 13-Jul-23	5						CRoadL1 (Bidg8) - UU en 1 (Bidg8) - UU enabling wor				
S12C-5890	Stage 3A 18C Road L1 (B dg 8) - UU erabling works (telecom)	7	03-Jul-23	10-Jul-23	06-Jul-23	13-Jul-23	3						1 (Bldg 8) - UU enabling wor 1 (Bldg 8) - UU enabling wor				
	- Stage 3 (Building 8) - Roadworks and Lighting	30	21-Jun-23	27-Jul-23	29-Jun-23	31-Jul-23	3				+						
S12C-5953	Stage 3 18C Road L1 (Bldg 8) - Road works (Carriageway)	14	21-Jun-23	08-Jul-23	29-Jun-23	15-Jul-23	6	·····			÷	Stage 3 18C Road L1 (Bld	g8) - Roadworks (Carriage	away)			
S12C-5954	Stage 3 18C Road L1 (Bldg 8) - Road works (Lighting)	7	11-Jul-23	18-Jul-23	14-Jul-23	21-Jul-23	3					Stage	3 18C Road L'1 (Bldg 8) - R	oad works (Lighting)			
	Stage 3 18C Road L1 (Bldg 8) - Road works (Footpath and Cycle Track)	15	11-Jul-23	27-Jul-23	14-Jul-23	31-Jul-23	3							ad L1 (Blog 8) - Road works	(Footpath and Cycle Tra	ack)	
	Stage 3 18C Road L1 (Bldg 8) - A/AW orks	15	11-Jul-23	27-Jul-23	14-Jul-23	31-Jul-23	3				¦	, , ,	Stage 3 18C Ro	ad L1 (Blog 8) - A/AW orks			
	Stage 4 (Building 9)	42	20-Jun-23	09-Aug-23	10-Jun-23	31-Jul-23	-8							· · · · · · · · · · · · · · · · · · ·	 		
S12C Road L1 S12C-5942	- Stage 4 (Building 9) - Drainage & Sewage, Watermain & Flushing	20	20-Jun-23 20-Jun-23	14-Jul-23	10-Jun-23	05-Jul-23 05-Jul-23	-8 -8			·····	÷						·
	Stage 4 18C Road L1 (Bldg 9) - Drainage - Stage 4 (Building 9) - UU Installation and Enabling Works (by Others)	20	20-Jun-23 23-Jun-23	14-Jul-23 31-Jul-23	10-Jun-23 19-Jun-23	21-Jul-23	-0 -8					Stage 4 18C F	Road L1 (Bldg 9) - Drainage				
S12C-5815	Stage 4 (Building 9) - UU enabling works (towngas)	7	23-Jun-23	30-Jun-23	19-Jun-23	27-Jun-23	-3					Road L1 (Bldg 9) - UU enablin		÷			
S12C-6010	Stage 4 18C Road L1 (Bldg 9) - UU enabling works (11kV cross road ducts)	6	03-Jul-23	08-Jul-23	28-Jun-23	05-Jul-23	-3					Stage 4 18C Road L1 (Bld		kV cross road ducts)			
S12C-6620	Stage 4 18C Road L1 (Bldg 9) - UU enabling works (132kV)	12	15-Jul-23	28-Jul-23	06-Jul-23	19-Jul-23	-8			· · · · · · · · · · · · · · · · · · ·					ing works (132kV)		
S12C-6630	Stage 4 18C Road L1 (Bldg 9) - UU enabling works (11kV)	7	15-Jul-23	22-Jul-23	06-Jul-23	13-Jul-23	-8						Stage 4 18C Road L1 (Blo	kp9) - UU enabling works (1	1kV)		· · · · · · · · · · · · · · · · · · ·
S12C-6640	Stage 4 18C Road L1 (Bldg 9) - UU enabling works (Telecom)	14	15-Jul-23	31-Jul-23	06-Jul-23	21-Jul-23	-8						Stage 4	18C Road L1 (Blog 9) - UU	enabling works (Telecon	n)	
	- Stage 4 (Building 9) - Roadworks and Lighting	22	15-Jul-23	09-Aug-23	14-Jul-23	31-Jul-23	-8			·····	<u> </u> -						
S12C-5935 S12C-5940	Stage 4 18C Road L1 (Bldg 9) - Road works (Carriageway) Stage 4 18C Road L1 (Bldg 9) - Road works (Lighting)	14	15-Jul-23 24-Jul-23	31-Jul-23 31-Jul-23	14-Jul-23 14-Jul-23	29-Jul-23 21-Jul-23	-1						' <u></u>	1/18C Road L1 (Bldg 9) - Boad L1			
	Stage 4 18C Road L1 (Bldg 9) - Road works (Eignung) Stage 4 18C Road L1 (Bldg 9) - Road works (Footpath and Cycle Track)	15	24-Jul-23 24-Jul-23	09-Aug-23	14-Jul-23	21-Jul-23 31-Jul-23	-0						Stage 4	18C Road L1 (Bldg 9) - Road L1 (ks (Footpath and Cycle Track	,
	Stage 5 (Building 12, Box C)	181	24-Feb-23 A	16-Dec-23	30-May-22	20-Feb-24	49				+						
S12C-5875	Box Culvert C - Excavation and Install Structure to FEL at Line From CH 0-48	24	24-Feb-23 A	21-Jun-23	30-May-22	20-Jun-22	-297				÷			;			
S12C-5876	Box Culvert C - Construction of Box Culvert at Line From CH 0-48 (Bay 1 incorporated in Road L1)	59	05-Jun-23	14-Aug-23	02-Jun-22	15-Aug-22	-294					· · · · · · · · · · · · · · · · · · ·					ı
	Interface Portion 18C - Allow Access to HSITP for Sewerage Pipe Construction (PS Appendix 1.27D)	90	31-Aug-23	16-Dec-23	31-Oct-23	20-Feb-24	49		,					· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
	- Stage 5 (Building 12, Box C) - Drainage & Sewage, Watermain & Flushing	59	19-Jun-23	28-Aug-23	20-May-23	31-Jul-23	-24								· · · · · · · · · · · · · · · · · · ·		·
S12C-5754	Stage 5 18C Road L1 (Building 12, Box C) - Drainage and Box C connection	33	19-Jun-23	28-Jul-23	20-May-23	29-Jun-23	-24				+		Stage 5 18C F	Road L1 (Building 12, Box C)		+	
S12C-6410	Portion 18C Road L1 (Building 12, Box C) - Irrigation	12	15-Aug-23	28-Aug-23	18-Jul-23	31-Jul-23	-24								Por	tion 18C Road L1 (Building 12	, Box C)
														1	Throp Month D	olling Programme	
RE	Actual Level of Effort			Cont	ract YL/2	020/01 - Lo	k Ma (hau Loop Main Works Packa	age 1		Project ID : d Layout : YL-0			Date	Revision	Olling Programme Checked	Арр
ATT								olling Programme			· ·	2 3MRP 23/ Page 9 of 11			MPR No. 23		, 'pp
中国铁					11		iui iV	g i rogramme								I	
CRCC -	Kwan Lee - Paul Y. JV																





/ ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	07
S12C-6720	Portion 18C Road L1 (Building 12, Box C) - Constructin of Oil Interceptors (2 nos.)	33	19-Jun-23	28-Jul-23	20-May-23	29-Jun-23	-24	07
	- Stage 5 (Building 12, Box C) - Roadworks and Lighting	26	29-Jul-23	28-Aug-23	30-Jun-23	31-Jul-23	-24	
S12C-6020	Portion 18C Road L1 (Building 12, Box C) - Road works (Carriageway)	14	29-Jul-23	14-Aug-23	30-Jun-23	17-Jul-23	-24	
S12C-6030	Portion 18C Road L1 (Building 12, Box C) - Road works (Lighting)	12	15-Aug-23	28-Aug-23	18-Jul-23	31-Jul-23	-24	
S12C-6420	Portion 18C Road L1 (Building 12, Box C) - Road works (footpath)	12	15-Aug-23	28-Aug-23	18-Jul-23	31-Jul-23	-24	
S12C-6435	Portion 18C Road L1 (Building 12, Box C) - A/AWorks	12	15-Aug-23	28-Aug-23	18-Jul-23	31-Jul-23	-24	
S12C Road L1	- Stage 6 (CLP Substation)	72	18-May-23 A	12-Aug-23	29-Jun-23	31-Jul-23	-11	
S12C-5761	Stage 6 18C Road L1 (CLPSS) - UU installation (drainage, sewage)	23	18-May-23 A	14-Jun-23	29-Jun-23	13-Jul-23	23	
S12C-5761A	Stage 6 18C Road L1 (CLPSS) - UU enabling works (132kV)	4	06-Jun-23	09-Jun-23	05-Jul-23	08-Jul-23	23	
S12C-5761B	Stage 6 18C Road L1 (CLPSS) - UU enabling works (11kV)	3	08-Jun-23	10-Jun-23	11-Jul-23	13-Jul-23	26	
S12C-5761C	Stage 6 18C Road L1 (CLPSS) - UU enabling works (telecom)	2	09-Jun-23	10-Jun-23	12-Jul-23	13-Jul-23	26	
S12C-5761D	Stage 6 18C Road L1 (CLPSS) - Watermain (crossroad)	2	09-Jun-23	10-Jun-23	12-Jul-23	13-Jul-23	26	
S12C-5761D10	Stage 6 18C Road L1 (CLPSS) - Construction of Oil Interceptors (1 no.)	18	18-May-23 A	08-Jun-23	30-Jun-23	08-Jul-23	24	
S12C-5761E	Stage 6 18C Road L1 (CLPSS) - Road works (Carriageway)	4	10-Jun-23	14-Jun-23	10-Jul-23	13-Jul-23	23	
S12C-5763	Stage 6 18C Road L1 (CLPSS) - Road works (Lighting)	15	15-Jun-23	04-Jul-23	14-Jul-23	31-Jul-23	23	
S12C-5764	Stage 6 18C Road L1 (CLPSS) - Road works (Footpath)	15	27-Jul-23	12-Aug-23	14-Jul-23	31-Jul-23	-11	
S12C - Interface	e with HSITP Contractor	271	01-Nov-22A	29-Sep-23	30-Aug-22	31-Dec-22	-220	
S12C-3355	Interface Portion 17B - Excavation Works (Depth at 10m from Existing Level)	122	01-Feb-23 A	30-Jun-23*	01-Dec-22	31-Dec-22	-143	
S12C-3365	Interface Portion 17C & 17D - Excavation Works (Depth at 2m from Existing Level)	271	01-Nov-22A	29-Sep-23*	30-Aug-22	31-Dec-22	-220	
ection 12D	Ground Treatment Works and Site Formation at Portion 18D (Area Oc	234	13-Dec-21 A	13-Sep-23	24-Jan-22	17-Sep-22	-138	
	· · · · · · · · · · · · · · · · · · ·				04 las 00	05 Mar 00	400	
12D-1086	Area Occupied	523	24-Feb-22 A	31-Jul-23	24-Jan-22	25-Mar-22	-493	
\$12D-1090	Portion 18D - Level Ground (8,970m3)	9	31-Aug-23	09-Sep-23	25-Apr-22	05-May-22	-401	
12D-1100	Portion 18D - Instrumentation Installation Type C1 (MPX 6 nrs @ ave 3d/nr/rig, 4 rigs)	59	13-Dec-21A	09-Sep-23	07-Sep-22	14-Sep-22	-292	
12D-1110	Portion 18D - Instrumentation Installation Type C1 (VMP 12 nrs @ ave 6d/nr/rig, 4 rigs)	58	15-Dec-21A	09-Sep-23	06-Sep-22	14-Sep-22	-292	
512D-1120	Portion 18D - Instrumentation Installation Type C1 (SP 6 nrs @ ave 3d/nr/rig, 4 rigs)	56	16-Dec-21 A	09-Sep-23	07-Sep-22	14-Sep-22	-292	
\$12D-1130	Portion 18D - Instrumentation Installation Type C1 (SSM 6 nrs)	4	06-Sep-23	09-Sep-23	09-Sep-22	14-Sep-22	-292	
512D-1135	Portion 18D - Formation (6,732m3 @ ave 900m3/d)	6	04-Sep-23	09-Sep-23	07-Sep-22	14-Sep-22	-292	
12D-1140	Portion 18D - Granular Fill (8,980m3 @ 1,500m3/d)	7	06-Sep-23	13-Sep-23	09-Sep-22	17-Sep-22	-292	
ection 13 - 0	Ground Treatment Works and Site Formation at Portion 21	8	19-Jun-23	28-Jun-23	31-May-23	08-Jun-23	-16	
13-1070	Portion 21 - General Fill (6,520m3 @ 300m3/d)	8	19-Jun-23	28-Jun-23	31-May-23	08-Jun-23	-16	
ection 15.1	- Ground Treatment Works and Site Formation at Portion 15.1 (Area O	230	13-Dec-21 A	10-Nov-23	20-Dec-21	04-Jun-22	-196	
15.1-1105	Area Occupied	523	24-Feb-22 A	31-Jul-23	20-Dec-21	18-Feb-22	-528	
15.1-1110	Portion 15.1 - PVD Installation (286,807m @ 2,000m/day/rig - 2 rigs)	84	13-Dec-21A	31-Aug-23	19-Feb-22	21-Mar-22	-528	·
15.1-1120	Portion 15.1 - General Fill to Surcharge 2m High (39,140m3 @ 600m3/d)	58	01-Sep-23	10-Nov-23	22-Mar-22	04-Jun-22	-320	
		240	24-Feb-22 A	04-Dec-23	19-Dec-21	15-Jul-23	-55	·
ection 15.2	- Ground Treatment Works and Site Formation at Portion 15.2 (Area O	240	241 60722 A	0708-20	13-060-21	13-301-23		
15.2-1030	Portion 15.2 - MS Earthwork Preparation, Submission, & Approval	78	01-Sep-23	04-Dec-23	16-Mar-22	22-Jun-22	-432	
315.2-1138	Area Occupied	523	24-Feb-22 A	31-Jul-23	19-Dec-21	17-Feb-22	-529	
\$15.2-1380	Portion 15.2 - Stockpile Re-use of Material (PS 1.129 (2I)) (200,000 m3 @ 1,800m3/d)	120	01-Jun-23	24-Oct-23	17-Feb-23	15-Jul-23	-83	
ection 15.2a	a - Ground Treatment Works and Site Formation at Portion 15.2a (Area	199	29-Jan-22 A	24-Nov-23	27-Feb-22	20-Jul-22	-186	
S15.2a-1085	Area Occupied	523	24-Feb-22 A	31-Jul-23	27-Feb-22	28-Apr-22	-459	
S15.2a-1090	Portion 15.2a - Instrumentation Installation Type C1 (SSM 7 nrs)	34	29-Jan-22 A	24-Nov-23	28-Jun-22	20-Jul-22	-401	
ection 15 2	o - Ground Treatment Works and Site Formation at Portion 15.2b (Area	523	11-Feb-22 A	27-Oct-23	05-Feb-22	03-Jul-22	-481	
		500						
S15.2b-1105		523	24-Feb-22 A	31-Jul-23	05-Feb-22	06-Apr-22	-481	
S15.2b-1110	Portion 15.2b - PVD Installation (206,250m @ 2,000m/day/rig - 2 rigs)	37	11-Feb-22 A	27-Oct-23	06-Jun-22	03-Jul-22	-481	
Section 15.3	- Ground Treatment Works and Site Formation at Portion 15.3 (Area O	237	13-Dec-21 A	20-Oct-23	16-May-22	23-Nov-22	-129	
615.3-1035	Area Occupied	523	24-Feb-22 A	31-Jul-23	16-May-22	15-Jul-22	-381	
615.3-1060	Portion 15.3 - Instrumentation Installation Type C1 (MPX 7 nrs @ ave 3d/nr/rig, 4 rigs)	45	31-Dec-21 A	06-Sep-23	14-Sep-22	20-Sep-22		
\$15.3-1070	· · · · · · · · · · · · · · · · · · ·				06-Oct-22		-284	
150 1000	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs)	95	13-Dec-21 A	20-Oct-23	00-001-22	23-Nov-22	-284 -267	
515.3-1080		95 58	13-Dec-21 A 14-Dec-21 A	20-Oct-23 06-Sep-23	06-Oct-22	· ·		
	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs)					23-Nov-22	-267	
\$15.3-1090	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs)	58	14-Dec-21A	06-Sep-23	06-Oct-22	23-Nov-22 12-Oct-22	-267 -267	
315.3-1090 315.3-1100	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs)	58 6	14-Dec-21A 07-Sep-23	06-Sep-23 13-Sep-23	06-Oct-22 13-Oct-22	23-Nov-22 12-Oct-22 19-Oct-22	-267 -267 -267	
315.3-1090 315.3-1100 315.3-1110	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs)	58 6 4	14-Dec-21 A 07-Sep-23 09-Sep-23	06-Sep-23 13-Sep-23 13-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22	-267 -267 -267 -267	
515.3-1090 515.3-1100 515.3-1110 515.3-1115	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d)	58 6 4 4	14-Dec-21A 07-Sep-23 09-Sep-23 09-Sep-23	06-Sep-23 13-Sep-23 13-Sep-23 13-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 15-Oct-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 19-Oct-22	-267 -267 -267 -267 -267	
53-1090 55-3-1100 55-3-1110 55-3-1115 ection 15.4	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O	58 6 4 4 7 245	14-Dec-21A 07-Sep-23 09-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23	06-Oct-22 13-Oct-22 15-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22	-267 -267 -267 -267 -267 -267 -267 -180	
15.3-1090 15.3-1100 15.3-1110 15.3-1115 ection 15.4 15.4-1035	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied	58 6 4 4 7 245 523	14-Dec-21A 07-Sep-23 09-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 31-Jul-23	06-Oct-22 13-Oct-22 15-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22	-287 -287 -287 -287 -287 -287 -287 -287	
515.3-1090 515.3-1100 515.3-1110 515.3-1115 ection 15.4 515.4-1035 515.4-1040	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3)	58 6 4 7 245 523 42	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 31-Jul-23 20-Oct-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 15-Dec-21 10-May-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 28-Jun-22	-267 -267 -267 -267 -267 -267 -267 -267	
515.3-1090 515.3-1100 515.3-1110 515.3-1115 ection 15.4 515.4-1035 515.4-1040 515.4-1050	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM1&2-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - CPT (7 nrs @ ave 10nrs/d/rig, 1 rig)	58 6 4 7 245 523 42 48	14-Dec-21A 07-Sep-23 09-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 31-Jul-23 20-Oct-23 06-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22	-267 -267 -267 -267 -267 -267 -267 -267	
515.3-1090 515.3-1100 515.3-1110 515.3-1115 ection 15.4 515.4-1035 515.4-1040 515.4-1050 515.4-1060	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - CPT (7 nrs @ ave 10nrs/d/rig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3d/m/rig, 12 rigs)	58 6 4 7 245 523 42 48 68	14-Dec-21A 07-Sep-23 09-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 31-Jul-23 20-Oct-23 06-Sep-23 21-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22	-267 -267 -267 -267 -267 -267 -267 -267	
115.3-1090 115.3-1100 115.3-1110 115.3-1115 ection 15.4 115.4-1035 115.4-1040 115.4-1060 115.4-1060 115.4-1070	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - CPT (7 nrs @ ave 10nrs/d/rig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3d/nr/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (VMP 60 nrs @ ave 6d/nr/rig, 12 rigs)	58 6 4 7 245 523 42 48 68 71	14-Dec-21A 07-Sep-23 09-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 20-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 31-Jul-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22	-267 -267 -267 -267 -267 -267 -267 -267	
115.3-1090 115.3-1100 115.3-1110 115.3-1115 ection 15.4 115.4-1035 115.4-1040 115.4-1050 115.4-1060 115.4-1070 115.4-1080	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,280m3) Portion 15.4 - CPT (7 nrs @ ave 10nrs/d/rig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (VMP 60 nrs @ ave 6d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs)	58 6 4 7 245 523 42 48 68 71 79	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 20-Dec-21A 22-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 31-Jul-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 22-Apr-22	-267 -267 -267 -267 -267 -267 -267 -380 -380 -380 -380 -431 -431	
515.3-1090 515.3-1100 515.3-1110 515.3-1115 ection 15.4 515.4-1035 515.4-1040 515.4-1050 515.4-1060 515.4-1070 515.4-1080	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/nr/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - CPT (7 nrs @ ave 10nrs/d/rig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3d/nr/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (VMP 60 nrs @ ave 6d/nr/rig, 12 rigs)	58 6 4 7 245 523 42 48 68 71	14-Dec-21A 07-Sep-23 09-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 20-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 31-Jul-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22	-267 -267 -267 -267 -267 -267 -267 -267	
15.3-1090 15.3-1100 15.3-1110 15.3-1115 ection 15.4 15.4-1035 15.4-1040 15.4-1050 15.4-1060 15.4-1070 15.4-1070 15.4-1080 ection 15.5	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,280m3) Portion 15.4 - CPT (7 nrs @ ave 10nrs/d/rig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (VMP 60 nrs @ ave 6d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs)	58 6 4 7 245 523 42 48 68 71 79	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 20-Dec-21A 22-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 31-Jul-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 22-Apr-22	-267 -267 -267 -267 -267 -267 -267 -380 -380 -380 -380 -431 -431	
115.3-1090 115.3-1100 115.3-1110 115.3-1115 ection 15.4 115.4-1035 115.4-1040 115.4-1050 115.4-1060 115.4-1070 115.4-1080 ection 15.5	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - CPT (7 nrs @ ave 10nrs/drig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (VMP 60 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs)	58 6 4 7 245 523 42 48 68 71 79 276	14-Dec-21A 07-Sep-23 09-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 20-Dec-21A 22-Dec-21A 22-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 05-Oct-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22	-267 -267 -267 -267 -267 -267 -267 -267	
315.3-1090 315.3-1100 315.3-1110 315.3-1110 315.3-1115 ection 15.4 315.4-1025 315.4-1040 315.4-1050 315.4-1060 315.4-1070 315.4-1080 ection 15.5 s15.5-1025 315.5-1030 315.5-1080	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (VMP 60 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ a	58 6 4 7 245 523 42 48 68 71 79 276 523	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 20-Dec-21A 22-Dec-21A 22-Dec-21A 22-Dec-21A 22-Dec-21A 22-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 10-Jan-24 31-Jul-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22	-287 -287 -287 -287 -287 -287 -287 -287	
115.3-1090 115.3-1100 115.3-1110 115.3-1115 ection 15.4 115.4-1030 115.4-1040 115.4-1060 115.4-1060 115.4-1070 115.4-1080 ection 15.5 115.5-1025 115.5-1030 115.5-1080 115.5-1080	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SSM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - CPT (7 nrs @ ave 10nrs/drig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Submission, & Approval	58 6 4 7 245 523 42 48 68 71 79 276 523 60	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 22-Dec-21A 22-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 10-Jan-24 31-Jul-23 21-Nov-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 22-Apr-22 30-JU-22 15-Feb-22 16-Jun-22	-267 -267 -267 -267 -267 -267 -267 -267	
315.3-1090 315.3-1100 315.3-1110 315.3-1110 315.3-1115 ection 15.4 315.4-1030 315.4-1040 315.4-1050 315.4-1060 315.4-1070 315.4-1080 ection 15.5 315.5-1025 315.5-1020 315.5-1080 315.5-1090	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 ms @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 ms @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM1&2-7ms, SMM-7ms) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - CPT (7 ms @ ave 10ms/d/rig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.5 - MS Earthwork Preparation, Submission, & Approval Portion 15.5 - Instrumentation Installation Type C1 (SP 13ms @ ave 3d/m/rig, 8 rigs)	58 6 4 7 245 523 42 48 68 71 79 276 523 60 49	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 23-Dec-21A 22-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 05-Oct-23 10-Jan-24 31-Jul-23 21-Nov-23 02-Sep-23 02-Sep-23 14-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 17-Dec-21 31-Mar-22 02-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22 15-Feb-22 16-Jun-22 21-Mar-22	-267 -267 -267 -267 -267 -267 -267 -267	
\$15.3-1090 \$15.3-1100 \$15.3-1110 \$15.3-1115 ection 15.4 \$15.4-1035 \$15.4-1040 \$15.4-1050 \$15.4-1060 \$15.4-1070 \$15.4-1080 ection 15.5 \$15.5-1025 \$15.5-1030 \$15.5-1080 \$15.5-1090 \$15.5-1095	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 nrs @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SM 7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7nrs, SMM-7nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - CPT (7 nrs @ ave 10nrs/drig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (MP 60 nrs @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3d/m/rig, 12 rigs) Cround Treatment Works and Site Formation at Portion 15.5 (Area O Area Occupied Portion 15.5 - MS Earthwork Preparation, Submission, & Approval Portion 15.5 - Instrumentation Installation Type C1 (SP 13mrs @ ave 3d/m/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SM 13mrs) Portion 15.5 - Formation (40,366 m3 @ ave 900m3/d) Portion 15.5 - Formatio	58 6 4 4 7 245 523 42 48 68 71 79 276 523 60 49 5	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 23-Dec-21A 22-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 23-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 20-Oct-23 20-Oct-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 10-Jan-24 31-Jul-23 21-Nov-23 02-Sep-23 02-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 17-Dec-21 31-Mar-22 02-Mar-22 16-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 07-Apr-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22 15-Feb-22 16-Jun-22 21-Mar-22 21-Mar-22	-267 -267 -267 -267 -267 -267 -267 -267	
515.4-1035 515.4-1040 515.4-1050 515.4-1060 515.4-1070 515.4-1080	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 ms @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 ms @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7ms, SMIM-7ms) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7ms, SMIM-7ms) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.5 - INS Earthwork Preparation, Submission, & Approval Portion 15.5 - Instrumentation Installation Type C1 (SP 13ms @ ave 3d/m/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SM 13ms) Portion 15.5 - Formation (40,356 m3 @ ave 9000m3/d)	58 6 4 7 245 523 42 48 68 71 79 276 523 60 49 5 10	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 29-Aug-23 04-Sep-23	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 05-Oct-23 10-Jan-24 31-Jul-23 21-Nov-23 02-Sep-23 02-Sep-23 14-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 22-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 07-Apr-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22 16-Jun-22 21-Mar-22 01-Apr-22	-267 -267 -267 -267 -267 -267 -267 -267	
315.3-1090 315.3-1100 315.3-1110 315.3-1115 ection 15.4 315.4-1035 315.4-1040 315.4-1050 315.4-1060 315.4-1070 315.4-1080 ection 15.5 ection 15.5 315.5-1025 315.5-1030 315.5-1090 315.5-1095 315.5-1095 315.5-1100 315.5-1110	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 ms @ ave 6d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 ms @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3d/m/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7ms, SMM-7ms) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7ms, SMM-7ms) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3d/m/rig, 12 rigs) Portion 15.5 - MS Earthwork Preparation, Submission, & Approval Portion 15.5 - Instrumentation Installation Type C1 (SP 13ms @ ave 3d/m/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SSM 13mrs) Portion 15.5 - Formation (40,356 m3 @ ave 900m3/d) Portion 15.5 - Formation (537,000m @ 2,000m/day/rig - 3 rigs)	58 6 4 7 245 523 42 48 68 71 79 276 523 60 49 5 10 12	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 23-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 05-Oct-23 10-Jan-24 31-Jul-23 21-Nov-23 02-Sep-23 14-Sep-23 28-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 11-Dec-21 31-Mar-22 02-Mar-22 02-Mar-22 02-Apr-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22 15-Feb-22 16-Jun-22 21-Mar-22 21-Mar-22 20-Apr-22	-287 -287 -287 -287 -287 -287 -287 -287	
515.3-1090 515.3-1100 515.3-1110 515.3-1115 ection 15.4 515.4-1030 515.4-1040 515.4-1050 515.4-1060 515.4-1070 515.4-1080 ection 15.5 515.5-1025 515.5-1025 515.5-1080 515.5-1090 515.5-1090 515.5-1095 515.5-1100 515.5-1110 ection 15.6	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 rrs @ ave 6dm/r/ig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 rrs @ ave 3dm/r/ig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 rrs @ ave 3dm/r/ig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM 182-7rrs, SMM-7rrs) Portion 15.3 - Instrumentation Installation Type C3 (SM 182-7rrs, SMM-7rrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - CPT (7 rrs @ ave 10rrs/drig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 rrs @ ave 3dm/r/ig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 rrs @ ave 3dm/r/ig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/r/ig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 12 rigs) Portion 15.5 - MS Earthwork Preparation, Submission, & Approval Portion 15.5 - Instrumentation Installation Type C1 (SP 13 rrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SSM 13 rrs) Portion 15.5 - Formation (40,356 m3 @ ave 900m3/d) Portion 15.5 - Formation (40,356 m3 @ ave 900m3/d) Portion 15.5 - Fo	58 6 4 4 7 245 523 42 48 68 71 79 276 523 60 49 523 60 49 5 10 12 83 523	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 20-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 23-Dec-21A 24-Feb-22A 04-Sep-23 15-Sep-23 29-Sep-23 24-Feb-22A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 10-Jan-24 31-Jul-23 02-Sep-23 14-Sep-23 14-Sep-23 10-Jan-24 31-Jul-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 22-Mar-22 02-Mar-22 02-Apr-22 21-Apr-22 14-Sep-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 07-Apr-22 07-Apr-22 07-Apr-22 22-Apr-22 16-Jun-22 21-Mar-22 21-Mar-22 01-Apr-22 20-Apr-22 30-Jul-22 13-Nov-22 13-Nov-22	-287 -287 -287 -287 -287 -287 -287 -287	
\$15.3-1090 \$15.3-1100 \$15.3-1110 \$15.3-1115 ection 15.4 \$15.4-1035 \$15.4-1040 \$15.4-1050 \$15.4-1060 \$15.4-1070 \$15.4-1080 ection 15.5 ection 15.5 \$15.5-1025 \$15.5-1030 \$15.5-1095 \$15.5-1095 \$15.5-1100 \$15.5-1100 \$15.5-1110 ection 15.6a \$15.6a-0900	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 rrs @ ave 6dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 rrs @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 rrs @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 rrs @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7rrs, SMM-7rrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,280m3) Portion 15.4 - CPT (7 rrs @ ave 10ms/drig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 rrs @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 12 rigs) - Ground Treatment Works and Site Formation at Portion 15.5 (Area O Area Occupied Portion 15.5 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 13mrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 13mrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation	58 6 4 7 245 523 42 48 68 71 79 276 523 60 49 5 10 12 83 523 523	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 04-Sep-23 15-Sep-23 23-Sep-23 24-Feb-22A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 20-Oct-23 20-Oct-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 10-Jan-24 31-Jul-23 22-Sep-23 14-Sep-23 14-Sep-23 28-Sep-23 10-Jan-24 31-Jul-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 11-Dec-21 11-Dec-21 11-Dec-21 11-Dec-21 12-Mar-22 02-Mar-22 12-Mar-22 12-Mar-22 14-Sep-22 14-Sep-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22 21-Mar-22 21-Mar-22 20-Apr-22 30-Jul-22 13-Nov-22 13-Nov-22	-287 -287 -287 -287 -287 -287 -287 -287	
\$15.3-1090 \$15.3-1100 \$15.3-1110 \$15.3-1115 ection 15.4 \$15.4-1035 \$15.4-1040 \$15.4-1050 \$15.4-1060 \$15.4-1070 \$15.4-1080 ection 15.5 ection 15.5 \$15.5-1025 \$15.5-1030 \$15.5-1095 \$15.5-1095 \$15.5-1100 \$15.5-1100 \$15.5-1110 ection 15.6a \$15.6a-0900	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 rrs @ ave 6dm/r/ig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 rrs @ ave 3dm/r/ig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 rrs @ ave 3dm/r/ig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM 182-7rrs, SMM-7rrs) Portion 15.3 - Instrumentation Installation Type C3 (SM 182-7rrs, SMM-7rrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - CPT (7 rrs @ ave 10rrs/drig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 rrs @ ave 3dm/r/ig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 rrs @ ave 3dm/r/ig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/r/ig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 12 rigs) Portion 15.5 - MS Earthwork Preparation, Submission, & Approval Portion 15.5 - Instrumentation Installation Type C1 (SP 13 rrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SSM 13 rrs) Portion 15.5 - Formation (40,356 m3 @ ave 900m3/d) Portion 15.5 - Formation (40,356 m3 @ ave 900m3/d) Portion 15.5 - Fo	58 6 4 4 7 245 523 42 48 68 71 79 276 523 60 49 523 60 49 5 10 12 83 523	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 20-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 23-Dec-21A 24-Feb-22A 04-Sep-23 15-Sep-23 29-Sep-23 24-Feb-22A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 10-Jan-24 31-Jul-23 02-Sep-23 14-Sep-23 14-Sep-23 10-Jan-24 31-Jul-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 22-Mar-22 02-Mar-22 02-Apr-22 21-Apr-22 14-Sep-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 07-Apr-22 07-Apr-22 07-Apr-22 22-Apr-22 16-Jun-22 21-Mar-22 21-Mar-22 01-Apr-22 20-Apr-22 30-Jul-22 13-Nov-22 13-Nov-22	-287 -287 -287 -287 -287 -287 -287 -287	
Si15.3-1090 Si15.3-1100 Si15.3-1110 Si15.3-1115 ection 15.4 Si15.4-1035 Si15.4-1040 Si15.4-1050 Si15.4-1060 Si15.4-1070 Si15.4-1080 ection 15.5 si15.5-1025 Si15.5-1026 Si15.5-1080 Si15.5-1090 Si15.5-1100 Si15.5-1110 ection 15.6a Si15.6a-0900 ection 15.7a	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 rrs @ ave 6dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 rrs @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 rrs @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 rrs @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7rrs, SMM-7rrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3/d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,280m3) Portion 15.4 - CPT (7 rrs @ ave 10ms/drig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 rrs @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 12 rigs) - Ground Treatment Works and Site Formation at Portion 15.5 (Area O Area Occupied Portion 15.5 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 13mrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 13mrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation	58 6 4 7 245 523 42 48 68 71 79 276 523 60 49 5 10 12 83 523 523	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 04-Sep-23 15-Sep-23 23-Sep-23 24-Feb-22A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 20-Oct-23 20-Oct-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 10-Jan-24 31-Jul-23 22-Sep-23 14-Sep-23 14-Sep-23 28-Sep-23 10-Jan-24 31-Jul-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 11-Dec-21 11-Dec-21 11-Dec-21 11-Dec-21 12-Mar-22 02-Mar-22 12-Mar-22 12-Mar-22 14-Sep-22 14-Sep-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22 21-Mar-22 21-Mar-22 20-Apr-22 30-Jul-22 13-Nov-22 13-Nov-22	-287 -287 -287 -287 -287 -287 -287 -287	
315.3-1090 315.3-1100 315.3-1110 315.3-1110 315.3-1115 ection 15.4 315.4-1035 315.4-1040 315.4-1050 315.4-1060 315.4-1070 315.4-1080 ection 15.5 315.5-1025 315.5-1025 315.5-1025 315.5-1030 315.5-103	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 ms @ ave 6dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 ms @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7ms, SMM-7ms) Portion 15.3 - Formation (6,720m3 @ ave 900m3/d) • Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 ms @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3dm/rig, 12 rigs) • Ground Treatment Works and Site Formation at Portion 15.5 (Area O Area Occupied Portion 15.5 - Instrumentation Installation Type C1 (SM 13 ms) Portion 15.5 - Instrumentation Installation Type C1 (S	58 6 4 7 245 523 42 48 68 71 79 276 523 60 49 5 10 12 83 523 523	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 20-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 15-Sep-23 29-Sep-23 24-Feb-22A 24-Feb-22A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 05-Oct-23 10-Jan-24 31-Jul-23 22-Sep-23 14-Sep-23 10-Jan-24 31-Jul-23 28-Sep-23 10-Jan-24 31-Jul-23 26-Oct-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 22-Mar-22 02-Mar-22 02-Apr-22 21-Apr-22 14-Sep-22 16-Nov-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 07-Apr-22 07-Apr-22 07-Apr-22 22-Apr-22 16-Jun-22 21-Mar-22 21-Mar-22 21-Mar-22 20-Apr-22 30-Jul-22 13-Nov-22 13-Nov-22 10-May-23	-287 -267 -267 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -380 -390 -390 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -429 -429 -429 -429 -429 -429 -429 -429 -429 -429 -429 -429 -429 -429 -280 -280 -66	
115.3-1090 115.3-1100 115.3-1110 115.3-1115 ection 15.4 115.4-1035 115.4-1040 115.4-1050 115.4-1060 115.4-1070 115.4-1080 ection 15.5 ection 15.5 115.5-1025 115.5-1030 115.5-1030 115.5-1030 115.5-1035 115.5-1036 115.5-1035 115.5-1036 115.5-1030	Portion 15.3 - Instrumentation Installation Type C1 (VMP 14 ms @ ave 6dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 ms @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 ms @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM182-7ms, SMM-7ms) Portion 15.3 - Formation (6,72m3 @ ave 900m3d) - Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - Level Ground (13,260m3) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 ms @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 ms @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3dm/rig, 12 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 30 ms @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 13 ms @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 31 ms g) Portion 15.5 - Instrumentation Installation Type C1 (SP 31 ms g) Portion 15.5 - Fo	58 6 4 7 245 523 42 48 68 71 79 276 523 60 49 5 10 12 83 523 523 523 523	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 09-Sep-23 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 24-Feb-22A 24-Feb-22A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 05-Oct-23 05-Oct-23 10-Jan-24 31-Jul-23 28-Sep-23 10-Jan-24 31-Jul-23 28-Sep-23 10-Jan-24 31-Jul-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 11-Dec-21 11-Dec-21 11-Dec-21 12-Mar-22 12-Mar-22 12-Mar-22 12-Mar-22 12-Mar-22 12-Mar-22 13-Mar-22	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 13-Feb-22 28-Jun-22 07-Apr-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22 21-Mar-22 21-Mar-22 21-Mar-22 20-Apr-22 30-Jul-22 13-Nov-22	-287 -287 -287 -287 -287 -287 -287 -287	
Si15.3-1090 Si15.3-1100 Si15.3-1110 Si15.3-1115 Section 15.4 Si15.4-1035 Si15.4-1040 Si15.4-1050 Si15.4-1060 Si15.4-1070 Si15.4-1080 Si15.4-1080 Si15.4-1080 Si15.5-1025 Si15.5-1026 Si15.5-1026 Si15.5-1080 Si15.5-1095 Si15.5-1095 Si15.5-1100 Si15.5-1110 Si15.6a-0900	Portion 153 - Instrumentation Installation Type C1 (VMP 14 rrs @ ave 6dm/r/ig, 4 rigs) Portion 153 - Instrumentation Installation Type C1 (SP 7 rrs @ ave 3dm/r/ig, 4 rigs) Portion 153 - Instrumentation Installation Type C3 (Inc 7 rrs @ ave 3dm/r/ig, 4 rigs) Portion 153 - Instrumentation Installation Type C3 (SM 182-7 rrs, SMM-7 rrs) Portion 153 - Instrumentation Installation Type C3 (SM 182-7 rrs, SMM-7 rrs) Portion 153 - Formation (6,732m3 @ ave 900m3d) • Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 154 - Level Ground (13,280m3) Portion 154 - Level Ground (13,280m3) Portion 154 - Level Ground (13,280m3) Portion 154 - Instrumentation Installation Type C1 (MPX 30 rrs @ ave 3dm/rig, 12 rigs) Portion 154 - Instrumentation Installation Type C1 (MPX 30 rrs @ ave 3dm/rig, 12 rigs) • Portion 154 - Instrumentation Installation Type C1 (SP 30 rrs @ ave 3dm/rig, 12 rigs) • Orecupied Portion 155 - MS Earthwork Preparation, Submission, & Approval Portion 155 - Instrumentation Installation Type C1 (SP 13 rrs @ ave 3dm/rig, 8 rigs) Portion 155 - Instrumentation Installation Type C1 (SSM 13 rrs) Portion 155 - Formation (40,356 m3@ ave 900m3/d) Portion 155 - Instrumentation Installation Type C1 (SSM 13 rrs) Portion 155 - Formation (40,356 m3@ ave 900m3/d) <t< td=""><td>58 6 4 7 245 523 42 48 68 71 79 276 523 60 49 5 10 12 83 523 523 523 523 523 523 523 523 523 523 523 523 523 523 523 523</td><td>14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 20-Dec-21A 23-Dec-21A</td><td>06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 21-Sep-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 05-Oct-23 05-Oct-23 05-Oct-23 02-Sep-23 02-Sep-23 14-Sep-23 28-Sep-23 10-Jan-24 31-Jul-23 28-Sep-23 10-Jan-24 31-Jul-23 26-Oct-23 31-Jul-23 06-Sep-23</td><td>06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 11-Dec-21 11-Dec-21 11-Dec-21 12-Dec-21 12-Dec-21 12-Mar-22 12-Mar-22 13-Mar-22 12-Mar-22 14-Sep-22 14-Sep-22 16-Nov-22 16-Nov-22 15-Feb-23</td><td>23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22 21-Mar-22 21-Mar-22 20-Apr-22 30-Jul-22 13-Nov-22 13-Nov-22 13-Nov-22 13-Nov-22 15-Jan-23 21-Feb-23</td><td>-287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -380 -431 -432 -429 -429 -429 -429 -429 -280 -280 -66 -197 -161</td><td></td></t<>	58 6 4 7 245 523 42 48 68 71 79 276 523 60 49 5 10 12 83 523 523 523 523 523 523 523 523 523 523 523 523 523 523 523 523	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 20-Dec-21A 23-Dec-21A	06-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 21-Sep-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 05-Oct-23 05-Oct-23 05-Oct-23 02-Sep-23 02-Sep-23 14-Sep-23 28-Sep-23 10-Jan-24 31-Jul-23 28-Sep-23 10-Jan-24 31-Jul-23 26-Oct-23 31-Jul-23 06-Sep-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 11-Dec-21 11-Dec-21 11-Dec-21 12-Dec-21 12-Dec-21 12-Mar-22 12-Mar-22 13-Mar-22 12-Mar-22 14-Sep-22 14-Sep-22 16-Nov-22 16-Nov-22 15-Feb-23	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 28-Jun-22 13-Feb-22 28-Jun-22 16-May-22 07-Apr-22 07-Apr-22 22-Apr-22 30-Jul-22 21-Mar-22 21-Mar-22 20-Apr-22 30-Jul-22 13-Nov-22 13-Nov-22 13-Nov-22 13-Nov-22 15-Jan-23 21-Feb-23	-287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -380 -431 -432 -429 -429 -429 -429 -429 -280 -280 -66 -197 -161	
315.3-1090 315.3-1100 315.3-1110 315.3-1110 315.3-1115 ection 15.4 315.4-1030 315.4-1040 315.4-1050 315.4-1060 315.4-1070 315.4-1080 ection 15.5 action 15.5 315.5-1025 315.5-1030 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1080 315.5-1090 315.5-1000 315.5-1000 315.7a-0300 315.7a-1040	Portion 15.3 - Instrumentation Installation Type C1 (WIP 14 nrs @ ave 6dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C1 (SP 7 nrs @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (Inc 7 nrs @ ave 3dm/rig, 4 rigs) Portion 15.3 - Instrumentation Installation Type C3 (SM 182-7 nrs, SMM-7 nrs) Portion 15.3 - Instrumentation Installation Type C3 (SM 182-7 nrs, SMM-7 nrs) Portion 15.3 - Formation (6,732m3 @ ave 900m3d) Ground Treatment Works and Site Formation at Portion 15.4 (Area O Area Occupied Portion 15.4 - Level Ground (13,280m3) Portion 15.4 - CPT (7 nrs @ ave 10 nrs/drig, 1 rig) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3dm/rig, 12 rigs) Portion 15.4 - Instrumentation Installation Type C1 (MPX 30 nrs @ ave 3dm/rig, 12 rigs) Fortion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3dm/rig, 12 rigs) Fortion 15.4 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3dm/rig, 12 rigs) Fortion 15.5 - Instrumentation Installation Type C1 (SP 30 nrs @ ave 3dm/rig, 12 rigs) Fortion 15.5 - Instrumentation Installation Type C1 (SP 13 nrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SP 13 nrs @ ave 3dm/rig, 8 rigs) Portion 15.5 - Instrumentation Installation Type C1 (SM 13 nrs) Portion 15.5 - Formation (40,36 m3 @ ave 900m3/d) Portion 15.5 - Formation (40,36 m3 @ ave 900m3/d) Portion 15.5 - Formation (40,36 m3 @ ave 900m3/d) Portion 15.5 - Promation (40,36 m3 @ ave 900m3/d) Portion 15.5 - PVD Installation (537,000m @ 2.000m/day/rig - 3 rigs) A Ground Treatment Works and Site Formation at Portion 15.6a (Areaa Area Occupied Portion 15.7a - Site Clearance and Preparation Works (Ecclogical survey, Tree Survey) Portion 15.7a - Site Clearance and Preparation Works (Ecclogical survey, Tree Survey)	58 6 4 7 245 523 42 48 68 71 79 276 523 60 49 5 10 12 83 523 523 60 49 5 10 12 83 523 62 523 62 523 62 40	14-Dec-21A 07-Sep-23 09-Sep-23 14-Sep-23 20-Dec-21A 22-Feb-22A 31-Aug-23 28-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 23-Dec-21A 24-Feb-22A 24-Feb-22A 24-Feb-22A 24-Feb-22A 24-Feb-22A 24-Feb-22A	06-Sep-23 13-Sep-23 13-Sep-23 13-Sep-23 21-Sep-23 20-Oct-23 06-Sep-23 21-Sep-23 21-Sep-23 05-Oct-23 10-Jan-24 31-Jul-23 02-Sep-23 10-Sep-23 10-Jan-24 31-Jul-23 28-Sep-23 10-Jan-24 31-Jul-23 28-Sep-23 10-Jan-24 31-Jul-23 28-Sep-23 26-Oct-23	06-Oct-22 13-Oct-22 15-Oct-22 20-Oct-22 15-Dec-21 15-Dec-21 10-May-22 10-May-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 10-Mar-22 11-Dec-21 31-Mar-22 12-Mar-22 12-Mar-22 12-Apr-22 14-Sep-22 14-Sep-22 15-Feb-23 20-Mar-23	23-Nov-22 12-Oct-22 19-Oct-22 19-Oct-22 27-Oct-22 28-Jun-22 28-Jun-22 13-Feb-22 28-Jun-22 07-Apr-22 07-Apr-22 07-Apr-22 22-Apr-22 22-Apr-22 21-Mar-22 21-Mar-22 21-Mar-22 21-Mar-22 20-Apr-22 30-Jul-22 13-Nov-22 13-Nov-22 13-Nov-22 13-Nov-22 15-Jan-23 21-Feb-23 10-May-23 10-May-23	-287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -287 -380 -390 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -431 -429 -429 -429 -429 -429 -429 -280 -280 -280 -181 -181 -181	





					June					uly			August			September	
	21	2	8	04	32 11	18	25	02	09	33 16	23	30	34 06 13	20 27	03	35 10	17 24
					- 						P	ortion 18C F	Road L1 (Building 12, Box C)	- Constructin of Oil Inter	ceptors (2 nos.)		
	; , , ,				, , ,		, , ,			, , ,			Portior	18C Road L1 (Building 1	2, Bbx C) - Road v	vorks (Carriagew	ay)
	T	-,					T	-,			1			Por	ion 18C Road L1	Building 12, Box	C) - Road works (
	+ +						+			, , ,	+-			p	ion¦18C Road L1 ion¦18C Road L1		
						-i	+				+ 		;				
	+	-		·	+		+) - UU installatio		ewage)	 +- 		 	 		 	
	 +						+	nåbling works (10		 	 +- 					 	
	 				+		+	nåbling works (ermain (crossro	4 1	 	 +++++		, , , , , , , , , , , , , , , , , , ,	I I I I I		 	
	 +				+		+	tion of Oil Interc		 	 +- 		· · · · · · · · · · · · · · · · · · ·			 	
	 				Sta	ge 6 18C Roa	d L1 (CLPSS	- Road works									
	 					-1	+	Stage	9618C Road L	1 (CLPSS) - F	Road works (Ligh	ting)	Stage 6 18	Road L1 (CLPSS) - Ro	ad works (Footpat	 h)	
	+					 	+	-		+	+- 				+		
			••••					Interface Port	ion 17B - Exca	vation Works	(Depth at 10m fro	om Existing	Level)	, , , , , , , , , , , ,			
							.								 		
	+	-					+	-	4			Area O	ccupied	+			
	 				 	 	 +	 		 	 ++++		 		+		evel Ground (8,97
											+-						nstrumentation Ins nstrumentation Ins
							+										nstrumentation Ins
	 				 	 	 +	-		 ⊨ 	 +- 		 	i i F			nstrumentation Ins Formation (6,732m
	+	-					+	-		+	1 + - 1 1 1 + -			+			n 18D - Granular F
	- - 									' ' ' '	· · · · · · · · · · · · · · · · · · ·						
	 				 	1 	P	ortion 21 - Gene	ral Fill (6,520n	n3@300m3/d	2) 		· · · · · · · · · · · · · · · · · · ·			 	
	1 1 T	-¦		, ,	, , ,	' ' '	, , , ,	, , ,	1	, , ,	 -	AreaO	ccupied	, , , , , , , , , , , , , , , , , , ,		 	
	T	-			r		+		1	r	1		;	r	Portion 15.1 - P	VD Installation (2	86,807m @¦2,000r
	+ +				 	, ,	+			 	 ++			 		 	
	· · · · · · · · · · · · · · · · · · ·	- -			L	·····	·	-!	4	L	!+-	Area O	ccupied				
	, , , , ,				L		1 	- -	J	L	 		1d	LI 	 	II	
	1 1 1 				 	' 	1 			 	 	AreaO	pcupied				
	+	-¦					÷							+ +			
	 +	 			 	 	 +	 	 	 	 +-			 	+	 	
	+	-			⊧	-	+	- 1		⊧	1+-	Area O	ccupied				
	+	- 			 		+		4 	+ 	++ 		1				
	<u></u>	-!			L		· · · · · · · · · · · · · · · · · · ·			L	'	Area O	ccupied			\	
	<u> </u>	-l			L		<u> </u>		 	L	! <u>!</u> -		·	<u>.</u>	Por	tion 15.3 - Instrun	nentation Installatio
	+	-¦			L		+	-!		L	!		;;;;;;		Por		nentation Installatio
					 	 	 			 	 			 			n 15.3 - Instrument n 15.3 - Instrument
	+				L		+			L	'						n 15.3 - Instrument
	1 1 				L	i 	1 1 			 							Portion
	 T	-			і І Г	 	 	 		י י ר	 -	AreaO	ccupied	 			
	T				r		T			r					;	 	÷
	- - 				- - 		- - -								Por	tion 15.4 - CPT (7	7 nrs @ ave 10nrs Portion
	+				r	-,	+			r	1 + - 1 + -		,	r			Portion
	- - - -				- 		- - -										
												Area O	ccupied	, I I I I I I I I I			
					L		1	¹	J	L				L		·	i
	!				 - 	 			J	 							n Installation Type (Installation Type (
							1 1		 	L I L	 			· · · · · · · · · · · · · · · · · · ·			ion 15.5 - Formatio
	 				 	 				 	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	 			<u>+</u>
				 		 	1 		 	L			· · · · · · · · · · · · · · · · · · ·	L			
	÷	-¦ -;			;		÷	-¦				AreaO	pcupied	¦	1		
		- <u> -</u>			 	 		 	 	 	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , ,		 	
	+	-			F		+	-	4	+	1+- 	Area O	ccupied			tion 15.7a - Site C	learance and Prep
	+	-			F		+	_		+	+- +-			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		+
	: : : :				: : : :	: 		 		, , ,	 ++++		1 	1 	F		T (4 nrs @ ¦ave 10 n 15.7a - Instrumer
	+ ! !					 	+				. +- 			. 			
									VI 00 00000					Three Month Re	llina Program	me	
n١	Norks I	Pack	age	e 1				Project ID : d. Layout : YL-0		0			Date	Revision	Cheo		Approved
rai	mme							Date : 30-Jun-		of 11			31-May-23	VIPR No. 23			

Activity ID	Activity Name	Orig	Early Start	Early Finish	Late Start	Late Finish	Total		May				June					July				August				September	
		Dur					Float		31				32					33				34				35	
								07	14	21	28	04	11	18	25	02	09	16	23	30	06	13	20	27	03	10	<u> </u>
Section 15	.7b - Ground Treatment Works and Site Formation at Portion 15.7b (Area	523	24-Feb-22 A	31-Jul-23	23-Nov-22	22-Jan-23	-190					1		1		1										1 I 1 I 1 I	
S15.7b-0900	Area Occupied	523	24-Feb-22 A	31-Jul-23	23-Nov-22	22-Jan-23	-190		-!+				1-	+		-	4		-	Area Ob	cupied			-l	+	- 	· +
Section 15	.8 - Reed Bed Area	523	24-Feb-22 A	31-Jul-23	08-Feb-22	09-Apr-22	-478		+					+											+		
S15.8-1000	Area Occupied	523	24-Feb-22 A	31-Jul-23	08-Feb-22	09-Apr-22	-478													Area Oc	cupied				+}		
Section 16	- Works Not Covered by Other Sections of the Works (Area Occupied)	230	09-Nov-21 A	21-Oct-23	23-Oct-23	08-Mar-25	196						·														
	9 of the Site - North Meander	230	09-Nov-21A	21-Oct-23	23-Oct-23	11-Mar-24	55						·						-j						÷;		
S16-1035	Area Occupied	525	22-Feb-22 A	31-Jul-23	23-Oct-23	22-Dec-23	144		-1		- <u>- 1</u>			_T						Area Ob	cupied	1 I			T	- 	
S16-1050	Portion 9 - Instrumentation Installation Type C2 (INC 9 nrs @ 3d/nr/rig, 1 rig)	99	09-Nov-21 A	21-Oct-23	21-Feb-24	11-Mar-24	113							+						- +					+r	++	
S16 Portion	15.6b of the Site	523	24-Feb-22 A	31-Jul-23	06-Jan-25	08-Mar-25	585	1		 ! ! !												1					······································
S16-1011	Area Occupied	523	24-Feb-22 A	31-Jul-23	06-Jan-25	08-Mar-25	585		-1							-1				Area Ob	cupied				т	· · · · · · · · · · · · · · · · · · ·	
Section 20	- Ground Treatment Works and Site Formation at Portion 15.6b (Area Oc	213	24-Feb-22 A	26-Sep-23	23-Mar-23	21-Jul-23	-26	1	· · · · ·	 1 1 1				 								1 I I I			1 I 1		
Section 20	Ground Treatment Works at Portion 15.6b	213	24-Feb-22 A	26-Sep-23	23-Mar-23	21-Jul-23	-26															J			· · · · · · · · · · · · · · · · · · ·		
S20-0900	Area Occupied	523	24-Feb-22 A	31-Jul-23	23-Mar-23	22-May-23	-70				-									Area Oc	cupied						
S20-1000	Portion 15.6b - Site Clearance and Preparation Works (Ecological survey, Tree Survey)	6	01-Aug-23	07-Aug-23	23-May-23	30-May-23	-57														Portion	n 15.6b - Site Cle	arance and	Preparation W	orks (Ecologica	al survey, Tree	Survey)
S20-1010	Portion 15.6b - Level Ground (7,780m3)	36	08-Aug-23	18-Sep-23	31-May-23	13-Jul-23	-57						1			 		 									Portion 15.
S20-1020	Portion 15.6b - CPT (5 nrs @ ave 10nrs/d/rig, 1 rig)	1	08-Aug-23	08-Aug-23	31-May-23	31-May-23	-57					1	1	1		1	1	1 1	1		Port	ion 15.6b - CPT	(5 nrs @ av	/eˈ10nrs/d/rig, 1	rig)		1
S20-1030	Portion 15.6b - Instrumentation Installation Type C1 (MPX 14 nrs @ ave 3d/nr/rig, 8 rigs)	7	08-Aug-23	15-Aug-23	31-May-23	07-Jun-23	-57						1			 	, , ,	 				Portio	n 15.6b - Ins	trumentation In	stallation Type (C1 (MPX 14 nrs	s@ave3d/nr//ri
S20-1040	Portion 15.6b - Instrumentation Installation Type C1 (VMP 28 nrs @ ave 6d/nr/rig, 8 rigs)	23	16-Aug-23	11-Sep-23	08-Jun-23	06-Jul-23	-57																			Portion 1	15.6b - Instrumer
S20-1050	Portion 15.6b - Instrumentation Installation Type C1 (SP 14 nrs @ ave 3d/nr/rig, 8 rigs)	7	04-Sep-23	11-Sep-23	28-Jun-23	06-Jul-23	-57							1												Portion 1	15.6b - Instrume
S20-1060	Portion 15.6b - Instrumentation Installation Type C1 (SSM 14 nrs)	7	04-Sep-23	11-Sep-23	28-Jun-23	06-Jul-23	-57		· · · · · · · · · · · · · · · · · · ·				1	 								 				Portion 1	15.6b - Instrume
S20-1070	Portion 15.60 - Granular Fill (19,010m3@ 1,500m3/d)	13	12-Sep-23	26-Sep-23	07-Jul-23	21-Jul-23	-57												}								





n Warka Daakana 1	Project ID : d.YL20-230630		Three Month Rollir	g Programme	
n Works Package 1	Layout : YL-02 3MRP	Date	Revision	Checked	Approved
ramme	Date : 30-Jun-23/ Page 11 of 11	31-May-23	MPR No. 23		

Contract No. YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

		Duration	Remaining Duration		Finish	Actual Start	Actual Finish	Physical % Complete	Total Float	June July August Septem
Vestern Connection Road Phase	2, Connection Roads to Fanling/San Tin Highway and DRL Phase 1 (MM)	76	142	03-Apr-23 A	27-Oct-23	03-Apr-23			1444	28 04 11 18 25 02 09 16 23 30 06 13 20 27 03 1
	tion of the Works within Portion 1,2A,2B,3,5,7,8,9&10 of the Site	61	133						1452	
Laying of Interim Water Main alo		58		11-Apr-23 A		· ·			-31	
Laying of Interim Water Main in		48		11-Apr-23 A	24-Jun-23	11-Apr-23			-23	
S010245	Laying of interim water main CH.80 to CH.262.834 along TAR1 (182.8m)	48	2	11-Apr-23 A	09-Jun-23	11-Apr-23		80%	-23	Laying of interim water main CH.80 to CH.262.834 along TAR1 (182.8m)
S010250	Testing, Chemical Cleaning, Flushing, Connection and backfilling	0	12	10-Jun-23	24-Jun-23			0%	-23	Testing, Chemical Cleaning, Flushing, Connection and backfilling
Laying of Interim Water Main in	Portion 2A	42	21	27-Apr-23 A	28-Jun-23	27-Apr-23			-31	
S010260	Excavation and laying of interim water main CH.6.005 to CH.80 (74m)	34	7	27-Apr-23 A		27-Apr-23		0%	-26	Excavation and laying of interim water main CH.6.005 to CH.80 (74m)
S010265	Testing, Chemical Cleaning, Flushing, Connection and backfilling	0	10	16-Jun-23	28-Jun-23			0%	-26	Testing, Chemical Cleaning, Flushing, Connection and backfillin
S010280	Planned achievement of Key Date KD-2 of the Works	0	0		28-Jun-23			0%	-31	 Planned achievement of Key Date KD-2 of the Works
Existing Cycle Track Subway Mo	odification	48	78	11-Apr-23 A	08-Sep-23	11-Apr-23			1208	
Demolition Works		48	17	11-Apr-23 A	28-Jun-23	11-Apr-23			1269	
S014680	Demolition of top portion of cycle track ramp walls (Bay ST12 to Bay ST14)	48	12	11-Apr-23 A	21-Jun-23	11-Apr-23		70%	1274	Demolition of top portion of cycle track ramp walls (Bay ST12 to Bay
S014680-10	Demolition of lower portion of cycle track ramp walls (Bay ST12 to Bay ST14)	48	12	11-Apr-23 A	21-Jun-23	11-Apr-23		70%	1274	Demolition of lower portion of cycle track ramp walls (Bay ST12 to Ba
S014680-20	Demolition of cycle track ramp base slabs (Bay ST12 to Bay ST14)	31	17	01-May-23 A	28-Jun-23	01-May-23		0%	-234	Demolition of cycle track ramp base slabs (Bay ST12 to Bay S
Construction of Subway		0	61	29-Jun-23	08-Sep-23				-234	
Bay 12		0	61	29-Jun-23	08-Sep-23				-234	
S014680-30	Excavate to Formation Level / Expose and Protect 132 KV (with 150mm Concrete Surround)	0	6	29-Jun-23	06-Jul-23			0%	-234	Excavate to Formation Level / Expose and Protect 132 H
S014690.10	Rockfill, Blinding & Waterproofing	0	3	07-Jul-23	10-Jul-23			0%	-234	Rockfill, Blinding & Waterproofing
S014690.20	Formworks, Rebar and Cast Base Slab - Cycle Track & Foot Path	0	12	11-Jul-23	24-Jul-23			0%	-234	Formworks, Rebar and Cast Base Slab -
S014690.30	Formworks, Rebar and Cast Walls	0	16	22-Aug-23	08-Sep-23			0%	-234	FC
Bay13		0	27	07-Jul-23	07-Aug-23				-234	
S014680-40	Excavate to Formation Level / Expose and Protect 132 KV	0	6	07-Jul-23	13-Jul-23			0%	-228	Excavate to Formation Level / Expose and Protect
S014690.50	Rockfill, Blinding & Waterproofing	0	3	14-Jul-23	17-Jul-23			0%	-228	Rockfill, Blinding & Waterproofing
S014690.60	Formworks, Rebar and Cast Base Slab - Cycle Track & Foot Path	0	12	25-Jul-23	07-Aug-23			0%	-234	Formworks, Rebar and Cast
David 4		0	22	14 101 00	21 Aug 22				024	
Bay14 S014680-50	Excavate to Formation Level / Expose and Protect 132 KV	0	33	14-Jul-23 14-Jul-23	21-Aug-23 20-Jul-23			0%	<mark>-234</mark> -222	Excavate to Formation Level / Expose and F
		0	0							
S014690.100	Rockfill, Blinding & Waterproofing	0	3	21-Jul-23	24-Jul-23			0%	-222	Rockfill, Blinding & Waterproofing
S014690.110	Formworks, Rebar and Cast Base Slab - Cycle Track & Foot Path	0	12	08-Aug-23	21-Aug-23			0%	-234	Formworks, Reb
Retaining Walls		33	113	09-May-23 A	28-Sep-23	09-May-23			1472	
Retaining Wall RW9		28		09-May-23 A	28-Sep-23	09-May-23			1191	
Stage 1 - RW9 Bay 16-5		28		09-May-23 A	28-Sep-23	09-May-23			1191	
Wall Stem		22		16-May-23 A	24-Jun-23	16-May-23		1000	1272	
S014735.140	Formworks, Rebar fixing and Cast Wall Stem Bay 15	10	0	16-May-23 A	27-May-23 A	-		100%		 Formworks, Rebar fixing and Cast Wall Stem Bay 15
S014735.160	Formworks, Rebar fixing and Cast Wall Stem Bay 13	13			31-May-23 A			100%		Formworks, Rebar fixing and Cast Wall Stem Bay 13
S014735.170	Formworks, Rebar fixing and Cast Wall Stem Bay 12	7		31-May-23 A		31-May-23		0%	1272	Formworks, Rebar fixing and Cast Wall Stem Bay 12
S014735.180	Formworks, Rebar fixing and Cast Wall Stem Bay 11	9	0	01-Jun-23 A	10-Jun-23 A	01-Jun-23	10-Jun-23	100%		Formworks, Rebar fixing and Cast Wall Stem Bay 11
S014735.190	Formworks, Rebar fixing and Cast Wall Stem Bay 10	6	14	01-Jun-23 A	24-Jun-23	01-Jun-23		0%	1272	Formworks, Rebar fixing and Cast Wall Stem Bay 10
		nth D	oll:	Ducana	no (Data I)atc . 00	Jun 12)			Actual Work 3 Months Rolling Programme
6	I hree Mo		0	Program			-Jun-23)			Remaining Work Date Revision Checked Appro
FDD 土木工程拓展署	中國路橋工程有限責任公司	Pe	riod: (09 May 23	to 08 Jun	23				08-Jan-23 Rev 2 1k DMI RP/RS
Civil Engineerin	g and 中國路德二程月風質任公司			Page : 1 of	0 1 0			1		Critical Remaining Work

Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/San Tin Highway and Direct Road Link Phase 1



ity ID	Activity Name	Actual		Start	Finish	Actual Start	Actual Finish	Physical %	Total Float	
		Duration	Duration					Complete		June 28 04 11 18
S014735.200	Formworks, Rebar fixing and Cast Wall Stem Bay 9	9	3	29-May-23 A	10-Jun-23	29-May-23		0%	1283	Formworks
Bay 8-5 Wall Stem		28	14	09-May-23 A	24-Jun-23	09-May-23			-61	
S014740.100	Formworks, Rebar fixing and Cast Wall Stem Bay 8	18	0	09-May-23 A	30-May-23 A	09-May-23	30-May-23	100%		Formworks, Rebar fi
S014740.110	Formworks, Rebar fixing and Cast Wall Stem Bay 7	12	0	29-May-23 A	10-Jun-23 A	29-May-23	10-Jun-23	100%		Formworks
S014740.120	Formworks, Rebar fixing and Cast Wall Stem Bay 6	0	14	13-Jun-23 A	24-Jun-23	13-Jun-23		0%	-61	
S014740.130	Formworks, Rebar fixing and Cast Wall Stem Bay 5	0	14	09-Jun-23 A	24-Jun-23	09-Jun-23		0%	-61	
Backfilling & Parapet		0	81	26-Jun-23	28-Sep-23				-61	
S014745.40	Backfilling and removal of sheetpile Bay 16-5	0	45	26-Jun-23	17-Aug-23			0%	-61	
S014745.50	Construct Parapet Bay 16-5 (3 days per bay x 12 bays)	0	36	18-Aug-23	28-Sep-23			0%	-61	
Stage 2 - Bay 4-1		14	80	22-May-23 A	11-Sep-23	22-May-23			1206	
Bay Slab		14	6	22-May-23 A	14-Jun-23	22-May-23			1280	
S014740.50	Formworks, Rebar fixing and Cast Base Slab Bay 4	14	5	22-May-23 A	13-Jun-23	22-May-23		0%	1280	Formwor
S014740.60	Formworks, Rebar fixing and Cast Base Slab Bay 3	14	5	22-May-23 A	13-Jun-23	22-May-23		0%	80	Formwor
S014740.70	Formworks, Rebar fixing and Cast Base Slab Bay 2	0	6	08-Jun-23	14-Jun-23			0%	1280	
S014740.80	Formworks, Rebar fixing and Cast Base Slab Bay 1	0	6	08-Jun-23	14-Jun-23			0%	80	
Wall Stem		0	28	26-Jun-23	28-Jul-23				72	
S014740.140	Formworks, Rebar fixing and Cast Wall Stem Bay 4	0	14	26-Jun-23	12-Jul-23			0%	72	
S014740.150	Formworks, Rebar fixing and Cast Wall Stem Bay 3	0	14	13-Jul-23	28-Jul-23			0%	72	
S014740.160	Formworks, Rebar fixing and Cast Wall Stem Bay 2	0	14	26-Jun-23	12-Jul-23			0%	72	
S014740.170	Formworks, Rebar fixing and Cast Wall Stem Bay 1	0	14	13-Jul-23	28-Jul-23			0%	72	
Backfill and Parapet		0	38	29-Jul-23	11-Sep-23				72	
S014745.20	Backfilling and removal of sheetpile Bay 4-1	0	38	29-Jul-23	11-Sep-23			0%	72	
Retaining Wall RW10		0	1	19-Jul-23	19-Jul-23				60	
Preparation Works RW10 - Sta	age 1	0	1	19-Jul-23	19-Jul-23				60	
S015205	Implement TTA	0	1	19-Jul-23	19-Jul-23			0%	60	
Slope Works		0	55	08-Jul-23	09-Sep-23				-30	
Slope F26		0	55	08-Jul-23	09-Sep-23				-30	
S015260.10	Slope Benching Bay 10-16	0	30	08-Jul-23	11-Aug-23			0%	-30	
S015260.20	Fill slope to required profile, incl.associated works	0	30	26-Jul-23	29-Aug-23			0%	-30	
S015260.30	Geo Survey and Slope Protection Measures - Geo Mat / Hydroseeding	0	10	30-Aug-23	09-Sep-23			0%	-30	
Slope F23		0	14	12-Aug-23	28-Aug-23				-19	
S015250.10	Slope Benching (F23)	0	2	12-Aug-23	14-Aug-23			0%	-19	
S015250.20	Fill slope to required profile, incl.associated works	0	10	15-Aug-23	25-Aug-23			0%	-19	
S015250.30	Geo Survey and Slope Protection Measures - Geo Mat / Hydroseeding	0	2	26-Aug-23	28-Aug-23			0%	-19	
Road & Drainage Works		0	51	18-Aug-23	18-Oct-23				-61	
	SMH70060, SMH70100-SMH70110 & Catchpits CP301-CP304	0	51	18-Aug-23	18-Oct-23				-61	
S015400	Portion 1 - Road Formation & Drainage works (DN450 SMH70050 to SMH70010)	0	50	19-Aug-23	18-Oct-23			0%	-61	

Development of Lok Ma Chau Loop: Main Works Package 1 - Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/San Tin Highway and Direct Road Link

土木工程拓展署 CEDD **Civil Engineering and** >>>>> Development Department



Three Month Rolling Programme (Data Date : 08-Jun-23) Period: 09 May 23 to 08 Jun 23 Page : 2 of 10

Actual Work Remaining Work Critical Remaining Milestone ٠

ık	Pha	ase 1		
			J	u
8	25	02	09	
				۰.

		July	23	Aug	ust		September
25	02	09 16	23	30 06 13			03 10 17
rks, Re	oar fixi	ng and Cast	Wall S	tem Bay 9			
					8		
ar fixing	and Ca	ast Wall Ster	n Bay	8			
	<i>c</i> .						
rks, Rei	oar fixii	ng and Cast	Wall S	tem Bay /			
Гал		Deberfisin	ام مرم ام		m David		
	nwork	s, Repartixin	ig and	Cast Wall Ste	т вау б		
- For	nwork	Rebar fivin	ha and	Cast Wall Ste	m Bay 5		
			iy anu	Cast wan old	in Day 5		
-				1 7 8 8			
					- Backfilling	and	d removal of s
					Dackhilling	an	
				1 1 1			
-				1 1 1			
				1 1 1			
works, I	- epart	ixing and Ca	ISI BAS	e Slab Bay 4			
Norka C	Pohor	iving and Ca	et Roo	a Slah Bay?			
wurks, f		ining and Ca	iar Dg2	e Slab Bay 3			
works	Rehar	fixing and C:	ast Ra	se Slab Bay 2			
morne,	rtobai		uot Du	be elab bay b			
works.	Rebar	fixing and Ca	ast Ba	se Slab Bay 1			
1		5		,			
		- Formwo	orks. R	ebar fixing and	d Cast Wall S	Ster	n Bav 4
			,	5			,
			F	ormworks, R	ebar fixing an	id C	Cast Wall Ster
				8 8 8	_		
		Formwo	orks, R	ebar fixing and	d Cast Wall \$	Ster	n Bay 2
			F	ormworks, R	ebar fixing an	id C	Cast Wall Ster
				2 8 8			
				1			Backfi
		₀ In	npleme	nt TTA			
				1 1 1			
				1 1 1			
				Slo	pe Benching	Ba	iy 10-16
				1 1 1	1		
				1		-111 \$	slope to requir
				1 1 1	1		C ~~ ~ ~
				2 2 7 7			📕 Geo Su
					Slong Panah	in-	(E22)
					Slope Benchi	чy	(1 23)
					Fill o	slor	be to required
				1 2 1	📕 G	èeo	Survey and S
				1 1 1	_		-
				1 2 2			
				1 1 1			
				1 1 1			
				1	1		
			2 1	Ionthe Dollin	Drogramm	_	
		D -+	1	Ionths Rolling		е Т	A
		Date		Revision	Checked	4	Approved
Work		08-Jan-23	Rev.2	1k	DML		RP/RS

Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/San Tin Highway and Direct Road Link Phase 1

Activity ID	Activity Name	Actual	Remaining	Start	Finish	Actual Start	Actual Finish	Physical %	Total Float		
		Duration	Duration					Complete			June 04 11 18
S015420	Implement TTA	0	1	18-Aug-23	18-Aug-23			0%	-61		
Section 2A of the Works-Completion of the	ne Works at Lok Ma Chau Road within Portion 1,5 and 8	67	142	03-Apr-23 A	27-Oct-23	03-Apr-23			1443		
Portion A - Ch.0-100 (100m)		20	96	16-May-23 A	29-Sep-23	16-May-23			58		
Stage 1 - BPW1 / CS1 & CS2 Slopes		20	85	16-May-23 A	16-Sep-23	16-May-23			69		
Slope Excavation, Shotcrete Wall & Ski	n Wall amd Capping Beam	20	85	16-May-23 A	16-Sep-23	16-May-23			69		
Ch.0 to Ch.23		17	14	16-May-23 A		16-May-23			26		
S2A.PA.1010	Excavation of Slope (Cut Slope)	10	0	16-May-23 A	27-May-23 A	16-May-23	27-May-23	100%		Exc	avation of Slope (0
S2A.PA.1030	Formworks, Rebar and Concrete Skin Wall (formworks & rebar 24/7 operation)	7	0	29-May-23 A	05-Jun-23 A	29-May-23	05-Jun-23	100%			Formworks, R
S2A.PA.1060	Formworks, Rebar and Concrete Capping Beam (formworks & rebar 24/7 operation)	0	14	08-Jun-23	24-Jun-23			0%	26		
Ch.23 to Ch.48		16	14	20-May-23 A	05-Jul-23	20-May-23			26		
S2A.PA.1040	Excavation of Slope (Cut Slope)	8	0	-	30-May-23 A	-	30-May-23	100%		— E	xcavation of Slope
S2A.PA.1080	Formworks, Rebar and Concrete Skin Wall (formworks & rebar 24/7 operation)	3	0	06-Jun-23 A	08-Jun-23 A	06-Jun-23	08-Jun-23	100%			Formworks
S2A.PA.1110	Formworks, Rebar and Concrete Capping Beam (formworks & rebar 24/7 operation)	0	14	17-Jun-23	05-Jul-23			0%	26		
Ch.48 to Ch.65		13	38	23-May-23 A	25-Jul-23	23-May-23			26		
S2A.PA.1070	Excavation of Slope (Cut Slope)	10		23-May-23 A	03-Jun-23 A		03-Jun-23	100%			Excavation of SI
S2A.PA.1100	Formworks, Rebar and Concrete Skin Wall (formworks & rebar 24/7 operation)	0	14	08-Jun-23 A	24-Jun-23	08-Jun-23		0%	28		
S2A.PA.1130	Formworks, Rebar and Concrete Capping Beam (formworks & rebar 24/7 operation)	0	14	28-Jun-23	14-Jul-23			0%	26		
S2A.PA.1140	Clear Area and TTA on F/P	0	8	15-Jul-23	24-Jul-23			0%	26		
S2A.PA.1150	Complete Works at BPW1 / Commence UU Works	0	0	25-Jul-23				0%	26		
CS2 Slope Formation		0	47	25-Jul-23	16-Sep-23				69		
S2A.Z1.1330	Construction of haul road to CS1 & CS2	0	14	25-Jul-23	09-Aug-23			0%	69		
S2A.Z1.1340	Cut Slope to Required Profile	0	30	14-Aug-23	16-Sep-23			0%	69		
S2A.Z1.1370	Survey and Setting out	0	3	10-Aug-23	12-Aug-23			0%	69		
Stage 2 - Water Main, Drainage & UU Ins	stallation (F/P & C/T)	0	58	25-Jul-23	29-Sep-23				49		
S2A.PA.1160	Implement TTA (F/P)	0	1	25-Jul-23	25-Jul-23			0%	26	1	
S2A.PA.1170	Trial Pit to exisitng F/P to locate & shift existing UUs	0	12	26-Jul-23	08-Aug-23			0%	26		
S2A.PA.1180	Excavate and Lay DN700 & NS315 Water Main	0	50	26-Jul-23	21-Sep-23			0%	26		
S2A.PA.1190	Install CLP Ducts 132kv	0	24	11-Aug-23	07-Sep-23			0%	26		
S2A.PA.1200	Install CLP Ducts 11kv	0	24	19-Aug-23	15-Sep-23			0%	26		
S2A.PA.1210	Install Telecom Ducts	0	21	06-Sep-23	29-Sep-23			0%	49		
Portion B - Ch.100-200 (100m)		0	93	08-Jun-23	26-Sep-23				-6		
Stage 1 - Water Main, Drainage & UU In		0	41	08-Jun-23	27-Jul-23				-6		
S2A.PB.1010	Implement TTA (F/P)	0	1	08-Jun-23*	08-Jun-23			0%	-6		Implement ⁻
S2A.PB.1020	Excavate Trench	0	3	09-Jun-23	12-Jun-23			0%	-6		Excavate
S2A.PB.1030	Install DN700 & NS315 Water Main	0	10	13-Jun-23	24-Jun-23			0%	1		
S2A.PB.1040	Install CLP Ducts 132kv	0	8	13-Jun-23	21-Jun-23			0%	1		

土木工程拓展署 .EDD **Civil Engineering and** >>>>> Development Department



Three Month Rolling Programme (Data Date : 08-Jun-23) Period: 09 May 23 to 08 Jun 23 Page : 3 of 10

Actual Work Remaining Work Critical Remaining Milestone ٠

	July	23		ugust	September
3 25 0	2 09 16	23 3	30 06	13 20 27 Implemen	03 10 17 It TTA
(Cut Slope)				
	/				
Rebar and	Concrete Skin	Wall (fo	rmworks 8	rebar 24/7 op	eration)
- Formwo	orks. Rebar and	Concre	ete Cappino	a Beam (formw	/orks & rebar 24/
	,				
pe (Cut Slo	pe)				
ks, Rebar a	nd Concrete Sk	in Wall	(formworks	s & rebar 24/7 o	operation)
					<i>.</i>
	Formworks, I	Rebar ar	nd Concret	e Capping Bea	m (formworks &
8					
Slope (Cut	Slope)				
Formur	rka Dobar and	Conor	to Skin W	oll (formworko	& rebar 24/7 ope
					a rebai 24/7 Ope
	Form	works, F	Rebar and (Concrete Capp	ing Beam (formw
		- Clear	Area and	TTA on F/P	
		-			
		◆ Com	plete Work	s at BPW1/C	commence UU W
				nstruction of h	aul road to CS1 8
			[
				Survey and Se	tting out
					-
		Image	om ont TTA		
			ement TTA	(F/P)	
			Tria	al Pit to exisitng	F/P to locate & s
					Install CL
					Ins
					113
nt TTA (F/P)					
ate Trench					
🔄 Install D	N700 & NS315	5 Water	Main		
	D				
Install CLF	PDucts 132kv				
	1	0.14	anthe Diff		
	Data			ing Programm	
	Date 08-Jan-23	Rev.2.	evision 1k	Checked DML	Approved RP/RS
Work	00-0411-23	11.64.2.	IN	ואוטן	

ID	Activity Name	Actual Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish	Physical % Complete	Total Float		June
S2A.PB.1050	Install CLP Ducts 11kv	0		23-Jun-23	29-Jun-23			0%	1	28 (04 11 18 25 02 Install C
S2A.PB.1060	Install Telecom Ducts	0	21	13-Jun-23	08-Jul-23			0%	-6		
S2A.PB.1070	Backfill and Shift F/P on completed works	0		10-Jul-23	15-Jul-23			0%	-6		
S2A.PB.1080	Construct MHs and Lay DN375 Drain	0	10	17-Jul-23	27-Jul-23			0%	-6		
Stage 2 - Backfill and Road C		0	21	28-Jul-23	21-Aug-23			00/	-6		
S2A.PB.2010	Backfill and Road Construction (F/P & C/T)	0	21	28-Jul-23	21-Aug-23			0%	-0		
Stage 3 - Water Main, CLP Du S2A.PB.3010	ucts, Drainage & Gas Main (SB) Implement TTA - Shift traffic to Temporary Lane & Close SB Lane	0	31	22-Aug-23	26-Sep-23			0%	-6		
		0		22-Aug-23	22-Aug-23				-0		
S2A.PB.3020	Trial Pit to locate, shift, protect existing Utilities	0	30	23-Aug-23	26-Sep-23			0%	-6		
Portion C - Ch.200-350 (150m)		51	89	· · · · · · · · · · · · · · · · · · ·	21-Sep-23				-30		
Stage 1 - Water Main, CLP Ca S2A.PC.1020	ables, NBs and Drainage (F/P & C/T) Excavate Trench and Install CLP 132kv and 11kv Ducts - Part 1	51 47	89	03-Apr-23 A 12-Apr-23 A	21-Sep-23 07-Jun-23 A		07- lun-23	100%	-30		Excavate Trench and Insta
			0				07-501-25				
S2A.PC.1030	Install DN700 / NS315 Watermains	11	64	25-May-23 A	23-Aug-23	25-May-23		0%	-24		
S2A.PC.1040	Install Telecom Ducts	51	8	03-Apr-23 A	16-Jun-23	03-Apr-23		80%	49		Install Telecom Du
S2A.PC.1050	Construct Noise Barriers NB13 and NB14 (4 bays)	0	42	08-Jun-23	28-Jul-23			0%	-30		
S2A.PC.1060	Backfill Trench and Install CLP 132kv and 11kv Ducts - Part 2 (after construction of NB16)	0	25	24-Aug-23	21-Sep-23			0%	-30		
S2A.PC.1070	Construct Noise Barriers NB16 (5 bays)	0	54	08-Jun-23	11-Aug-23			0%	-30		
S2A.PC.1080	Construct MH and Lay DN450 Drainage	0	30	20-Jul-23	23-Aug-23			0%	-30		
Portion D - Ch.350-470 (120m)		0	102	08-Jun-23	09-Oct-23				29		
Stage 1 - RW6, New RW, CLF	Cables, Water Main, UU and Drainage Works (F/P & C/T)	0	102	08-Jun-23	09-Oct-23				29		
S2A.PD.1010	Set-up & Implement TTA - F/P	0	1	08-Jun-23*	08-Jun-23			0%	29		Set-up & Implement TTA
S2A.PD.1020	Trial Pit to locate exisitng utilites	0	7	09-Jun-23	16-Jun-23			0%	29		Trial Pit to locate e
S2A.PD.1030	Excavate and Shift or Protect existing Utilities	0	12	17-Jun-23	03-Jul-23			0%	29		Exca
S2A.PD.1040	Construct Retaining Wall RW6 (3 bays)	0	42	04-Jul-23	21-Aug-23			0%	29		
S2A.PD.1050	Construct Drainage MH & Lay DN450 CP	0	40	22-Aug-23	09-Oct-23			0%	29		
Portion E - Ch.470-640 (170m)		26	97	06-May-23 A	03-Oct-23	06-May-23			1189		
	ucts, UUs and Drainage Works (F/P)	26	97	06-May-23 A	03-Oct-23	06-May-23			1091		
S2A.PE.1030	Excavate and Shift or Protect existing Utilities	0	12	08-Jun-23	21-Jun-23			0%	1091		Excavate and
S2A.PE.1040	Install DN700 / NS315 Water Main	0	85	23-Jun-23	03-Oct-23			0%	1091		
S2A.PE.1060	Laying CLP 132kv Ducts	20	0	06-May-23 A	30-May-23 A	06-May-23	30-May-23	100%	•	📩 Layir	ng CLP 132kv Ducts
S2A.PE.1070	Backfill and lay CLP 11kv Ducts	12	0	23-May-23 A	06-Jun-23 A	23-May-23	06-Jun-23	100%			Backfill and lay CLP 11kv D
Stage 3 - Ch.510-640 Gas Mai	in, Water Main, CLP Cables, UUs and Drainage & Road Works (SB)	26	50	06-May-23 A	07-Aug-23	06-May-23			1236		
S2A.PE.3040	Install Gas Main	0	45	08-Jun-23	01-Aug-23			0%	1241		
S2A.PE.3060	Excavate and lay CLP 132kv ducts	20	0	06-May-23 A	30-May-23 A	06-May-23	30-May-23	100%		Exca	avate and lay CLP 132kv duc
S2A.PE.3070	Backfill and lay CLP 11kv ducts,	12	0	23-May-23 A	06-Jun-23 A	23-May-23	06-Jun-23	100%			Backfill and lay CLP 11kv d
S2A.PE.3080	Install other UUs	0	14	08-Jun-23	24-Jun-23			0%	244		Install other

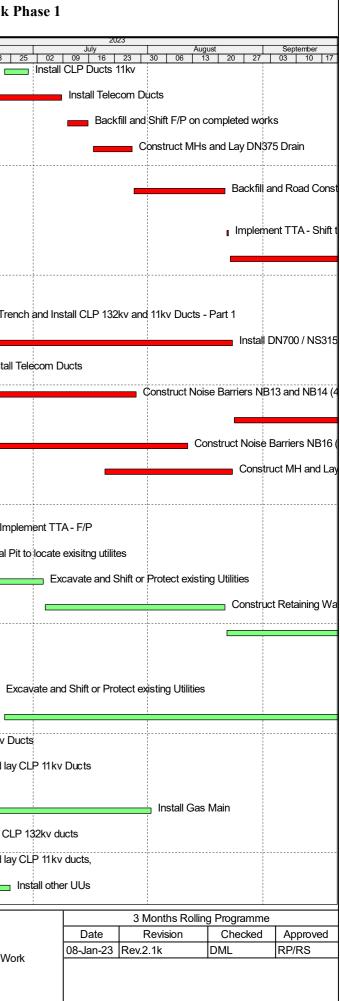
CEDD 土木工程拓展署 Civil Engineering and Development Department



Period: 09 May 23 to 08 Jun 23

Page : 4 of 10

Critical Remaining Work ٠ Milestone



ID	Activity Name	Actual Duration	Remaining Duration	Start	Finish Actual	Start Actual Finish	Physical % Complete	Total Float	June
S2A.PE.3090	Backfill and Construct Road Drains and Gullies	0	24	26-Jun-23	24-Jul-23		0%	244	28 04 11 18
S2A.PE.3100	Backfill and Road Construction / Reinstatement	0	24	11-Jul-23	07-Aug-23		0%	244	
Stage 5 - F/P and C/T Construction		0	30	08-Aug-23	11-Sep-23			244	
S2A.PE.4080	Backfill and F/P and C/T Construction	0		08-Aug-23	11-Sep-23		0%	244	
				-					
Stage 6 - Hardscape and Landsca	-	0		16-Aug-23	19-Sep-23		00/	244	
S2A.PE.4090	Hardscape and Landscape Works	0	30	16-Aug-23	19-Sep-23		0%	244	
Portion F - Ch.640-960 (320m)		0	131	08-Jun-23	16-Oct-23			-7	
Stage 1 - CLP Ducts, FNO Ducts,	Backfill and Road Construction (SB)	0	78	08-Jun-23	08-Sep-23			-6	
Part 1 - Ch.640-740		0	78	08-Jun-23	08-Sep-23			-6	
S2A.PF.1010	Implement TTA - Close 100m of SB lane for UU installation	0	1	08-Jun-23*	08-Jun-23		0%	-6	Implement T
S2A.PF.1020	Trial Pit to locate existing UUs	0	7	09-Jun-23	16-Jun-23		0%	-6	Trial P
S2A.PF.1030	Excavate (common trench) and Shift or Protect existing Utilities	0	12	17-Jun-23	03-Jul-23		0%	-6	
S2A.PF.1040	Laying CLP 132kv (100m) Cable Works	0	24	04-Jul-23	31-Jul-23		0%	-6	
S2A.PF.1050	Laying Telecom Cable Ducts Works	0	24	04-Jul-23	31-Jul-23		0%	-6	
S2A.PF.1060	Backfill and Install CLP 11kv Ducts	0	24	01-Aug-23	28-Aug-23		0%	-6	
S2A.PF.1065	Install Gas Main, Irrigation Lines and P.L. Duct	0	34	01-Aug-23	08-Sep-23		0%	-6	
Stage 2 - Water Main & Gas Main	, Backfill and Road Construction (NB)	0	104	08-Jun-23	19-Sep-23			-14	
Part 1 - Ch.640-740		0	104	08-Jun-23	19-Sep-23			-14	
S2A.PF.2010	Consent approved from WSD/DSD	0	0	06-Sep-23*			0%	-12	
S2A.PF.2020	Construct Working Platform	0	12	06-Sep-23	19-Sep-23		0%	-12	
S2A.PF.2060	Design and application for consent / Statutory Requirement (WSD/DSD)	0	90	08-Jun-23*	05-Sep-23		0%	-14	
Other Works - Retaining Wall, C	TFB U-Trough, and Drainage Works	0	108	08-Jun-23	16-Oct-23			-6	
Additional Retaining Wall adjace	nt to U-Trough (20 bays @ 10m/bay)	0	108	08-Jun-23	16-Oct-23			-6	
Bay 1-5 (10m/bay)		0	76	08-Jun-23	06-Sep-23			14	
Preparation Works - Sheet Pili		0		08-Jun-23	21-Jul-23			-6	
S2A.RW.1010	Commence Construction of Retaining Wall Bay 1-5	0	0	08-Jun-23*			0%	-6	Commence C
S2A.RW.1020	Sheet Piling and ELS Works + Dewatering System (50m) - Bay 1-5	0	36	08-Jun-23	21-Jul-23		0%	-6	
Base Slab		0	24	22-Jul-23	18-Aug-23			14	
S2A.RW.1040	Form, Rebar and Cast Base Slab - Bay 1	0	8	22-Jul-23	31-Jul-23		0%	14	
S2A.RW.1050	Form, Rebar and Cast Base Slab - Bay 2	0	8	01-Aug-23	09-Aug-23		0%	14	
S2A.RW.1060	Form, Rebar and Cast Base Slab - Bay 3	0	8	22-Jul-23	31-Jul-23		0%	14	
S2A.RW.1070	Form, Rebar and Cast Base Slab - Bay 4	0	8	01-Aug-23	09-Aug-23		0%	14	
S2A.RW.1080	Form, Rebar and Cast Base Slab - Bay 5	0	8	10-Aug-23	18-Aug-23		0%	14	
Stem Wall		0	24	10-Aug-23	06-Sep-23			14	
S2A.RW.1090	Form, Rebar and Cast Stem Wall Bay 1	0	8	10-Aug-23	18-Aug-23		0%	14	
S2A.RW.1100	Form, Rebar and Cast Stem Wall Bay 2	0	8	19-Aug-23	28-Aug-23		0%	14	

Development of Lok Ma Chau Loop: Main Works Package 1 - Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/San Tin Highway and Direct Road Link

土木工程拓展署 .EDD **Civil Engineering and** >>>>> Development Department



Three Month Rolling Programme (Data Date : 08-Jun-23) Period: 09 May 23 to 08 Jun 23 Page : 5 of 10

Actual Work Remaining Work Critical Remaining Milestone ٠

k Pha	ase 1					
		202 July	23	Aug	ust	September
25	02	09 16	23	30 06 13	3 20 27	03 10 17
	-		Bac	kfill and Const	ruct Road Drai	ns and Gullies
	1					maker of the line
	1			Backfi	II and Road Co	nstruction / Re
	1					
						Backfi
	1					Dacki
					8	
	1				8	
	1				5 8 8 8 8	
	1					
t TTA -	Close	100m of SB	lane fo	or UU installati	on	
	1					
al Pit to	locate	existing UUs	j.			
	_ F v	navato (com	mon tr	onch) and Chi	ft or Protoct or	etina I Itilitico
		Javale (COM		enen) anu oni	ft or Protect exi	
				Laying CLP	132kv (100m)	Cable Works
				Laying Telec	om Cable Duc	ts Works
					Bac	kfill and Install
	1					Install Ga
	1				1	
	1				8	
						 Consent ar
	1					
	1					
	1					
						Design and
	1					
0.0		o of Detaining	~ \^/-"	Pov 1 F		
e cons	u ucuol	n of Retaining	y vvail	Бай 1-Э		
			Sheet	Piling and FLS	Works + Dew	atering System
		,	2.1001			Storning Cystor
				Form, Reba	r and Cast Bas	e Slab - Bay 1
				Form	n, Rebar and C	ast Base Slab
				Form, Reba	r and Cast Bas	e Slab - Bay 3
					n, Rebar and C	-
	8				8 8 8	
	1				⊢orm, Reba	r and Cast Bas
					🗧 Form, Reba	r and Cast Ste
	1 1 1 1				For	m, Rebar and (
				_	- Form Data	r and Cast Sta
						r and Cast Ste
				<u>.</u>		
			2 1	Inthe Polling	n Programma	
		Data			g Programme	Approved
		Date		Revision	Checked	Approved

	Date	Revision	Checked	Approved
Work	08-Jan-23	Rev.2.1k	DML	RP/RS
VVOIK				

ID	Activity Name	Actual Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish	Physical % Complete	Total Float		June
S2A.RW.1120	Form, Rebar and Cast Stem Wall Bay 4	0		19-Aug-23	28-Aug-23			0%	14	28	04 11 18
				_							
S2A.RW.1130	Form, Rebar and Cast Stem Wall Bay 5	0	8	29-Aug-23	06-Sep-23			0%	14		
Bay 6-10 (10m/bay)		0	44	22-Jul-23	11-Sep-23				18		
Preparation Works - Sheet	Piling and ELS Works	0	36	22-Jul-23	01-Sep-23				-6		
S2A.RW.1150	Sheet Piling and ELS Works + Dewatering System (50m)	0	36	22-Jul-23	01-Sep-23			0%	-6		
Base Slab		0	8	02-Sep-23	11-Sep-23				18		
S2A.RW.1160	Form, Rebar and Cast Base Slab - Bay 6	0	8	02-Sep-23	11-Sep-23			0%	2		
S2A.RW.1180	Form, Rebar and Cast Base Slab - Bay 8	0	8	02-Sep-23	11-Sep-23			0%	18		
Bay 11-15 (10m/Bay)		0	36	02-Sep-23	16-Oct-23				-6		
Preparation Works - Sheet	Piling and FLS Works	0		02-Sep-23	16-Oct-23				-6		
S2A.RW.1270	Sheet Piling and ELS Works + Dewatering System (50m)	0		02-Sep-23	16-Oct-23			0%	-6		
CTFB U-Trough		0	8	07-Sep-23	15-Sep-23				14		
Bay 1-5		0		07-Sep-23	15-Sep-23				14		
U-Trough Base Slab		0		07-Sep-23	15-Sep-23				14		
S2A.UT.1500	Form, Rebar and Cast Base Slab - Bay 1	0		07-Sep-23	15-Sep-23			0%	14		
S2A.UT.1520	Form, Rebar and Cast Base Slab - Bay 3	0	8	07-Sep-23	15-Sep-23			0%	14		
				08-Jun-23	27-Oct-23			•••	100		
Underground Utilities (Ch.+0	C along CS1 & CS2 Slope (SB Side Ch.0 to Ch.170 from North Border)	0		08-Jun-23	27-001-23 29-Sep-23				198 201		
Works in Carriageway (SB C		0		08-Jun-23	29-Sep-23				201		
Drainage (SB Ch.0 to Ch.17		0	96	08-Jun-23	29-Sep-23				201		
S2A.Z1.1280	ELS & Construct Manholes (SMH40080 - SMH40170) (10 MH)	0	60	23-Jun-23	01-Sep-23			0%	201		
S2A.Z1.1300	Lay Drainage Pipes (SMH40080 - SMH40170) & Connection Points	0	60	08-Jul-23	15-Sep-23			0%	201		
S2A.Z1.1460	Shift or Hang UU Clashing with Drainage Alignment	0	60	08-Jun-23	18-Aug-23			0%	201		
S2A.Z1.1480	Backfill & Reinstate Road	0		22-Jul-23	29-Sep-23			0%	201		
					-			070			
Works in Footpath and/or Cy		0	90	08-Jun-23	22-Sep-23				193		
S2A.Z1.1140	CLP Ducting for 132KV (by Contractor)	0	60	08-Jun-23	18-Aug-23			0%	192		
S2A.Z1.1150	Proposed Telecom Lines (by Others)	0	60	15-Jul-23	22-Sep-23			0%	193		
S2A.Z1.1320	CLP Cabe laying Works (11kv) (by CLP)	0	60	27-Jun-23	05-Sep-23			0%	192		
Hardscape and Landscape		0	72	02-Aug-23	27-Oct-23				198		
S2A.Z1.1220	Kerb & Footpath and Cycle Track and Hardscape paving works	0	60	16-Aug-23	27-Oct-23			0%	198		
S2A.Z1.1450	Street Light Footing, Ducting & Drawpit and Wiring	0	60	02-Aug-23	12-Oct-23			0%	192		
ection 2B of the Works-Comp	letion of the Works at Junction of Castle Peak Road and Lok Ma Chau Road	58	110	11-Apr-23 A	25-Sep-23	11-Apr-23			1476		
	x Culvert (PMI #44 request for quotation)	58		11-Apr-23 A	25-Sep-23	11-Apr-23			1476		
IBC Design Submission & Ap		58	10	11-Apr-23 A	17-Jun-23	11-Apr-23			1576		
S2B.EIBC.1030	Method Statement Submission & Approval	48	8	11-Apr-23 A	16-Jun-23	11-Apr-23		0%	1278		Meth
S2B.EIBC.1040	Design Submission, Vetting and Approval	50	10	19-Apr-23 A	17-Jun-23	19-Apr-23		0%	1576		Desi
S2B.EIBC.1050	Prepare Design of EIBC Temporary and Enabling Works	47	10	22-Apr-23 A	17-Jun-23	22-Apr-23		0%	-330		Prep
S2B.EIBC.1060	Procurement of Permanent Casing	47	5	22-Apr-23 A	12-Jun-23	22-Apr-23		0%	-325		Procurer

Development of Lok Ma Chau Loop: Main Works Package 1 - Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/San Tin Highway and Direct Road Lin

CEDD Civil Engineering and Development Department



Three Month Rolling Programme (Data Date : 08-Jun-23) Period: 09 May 23 to 08 Jun 23 Page : 6 of 10 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone

ık Pha	ase 1						
)23	Aug	uct		Sontombor
8 25	02	July 09 16	23	30 06 1	3 20 27		September 03 10 17
						orr	n, Rebar and
							🚽 Form, Reb
	1 1 1 1					5	Sheet Piling an
							Form,
							Form,
	- 						
							Foi
							Foi
				1 1 1 1			
	- 						
						- F	ELS & Constru
				i i			Lay
					Shift or Harden	ang	UU Clashing
		C		1			
				1 • •	CLP Duct	ing	for 132KV (by
							CLP Cabe
	8			(
ethod St	atemer	nt Submissio	on & Ap	proval			
	1			1			
esign S	upmiss	ion, Vetting	and Ap	proval			
repare [Design	of EIBC Ter	nporary	and Enabling	Works		
Irement	of Pern	nanent Casi	na				
a Grineril		inanici il Uasi	чя				
			2 1	Iontha Dallin	a Drogramme	~	
		Date	1	<i>l</i> ionths Rollin Revision	g Programm Checked		Approved
		08-Jan-23			DML		RP/RS
Mork		-					

y ID	Activity Name	Actual Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish	Physical % Complete	Total Float	June
Bored Piling Cell A (North Side)		0	92	08-Jun-23 A	25-Sep-23	08-Jun-23			-281	28 04 11 18
S2B.EIBC.1070	Open cut excavation Cell A (north side)	0			14-Jun-23	08-Jun-23		0%	-281	Open o
S2B.EIBC.1080	Install Concrete Block at Cell A entrance	0	6	08-Jun-23 A	14-Jun-23	08-Jun-23		0%	-281	Install
S2B.EIBC.1090	Saw Cut and Remove Top & Bottom Slab	0	6	15-Jun-23	21-Jun-23			0%	-281	
	Backfill Cell A with roack fill material									
S2B.EIBC.1100		0		23-Jun-23	30-Jun-23			0%	-281	
S2B.EIBC.1110	Mobilisation of Plant	0	10	23-Jun-23	05-Jul-23			0%	-281	
S2B.EIBC.1120	Piling along Cell A (4 nos) (north side) EIBC P01-P04	0	70	06-Jul-23	25-Sep-23			0%	-281	
S2B.EIBC.1230	Carry-out Trial Pits / Utility Detection	0	10	08-Jun-23	19-Jun-23			0%	-269	Ca
S2B.EIBC.1250	Install Instrumentation and undertake baseline monitoring	0	10	08-Jun-23	19-Jun-23			0%	-269	In
Temporay Diversion and Modificat	ion to Nullah at Abutment ST01-B01	0	92	08-Jun-23	25-Sep-23				-174	
	Facilitate Construction of ST01-B01	0		08-Jun-23	18-Sep-23				-168	
S02CP3090	Construction of Temporary Steel Decking on temporary Channel	0		26-Aug-23	18-Sep-23			0%	-168	
				_						
S2B.NM.2005	Excavate and Break Existing Channel	0			21-Jun-23			0%	-268	
S2B.NM.2010	Install Sheet Piling and King Post to form Temporary Channel to divert Nullah	0	24	23-Jun-23	21-Jul-23			0%	-268	
S2B.NM.2020	ELS Works and Construct Temporary Channel to Divert Nullah around Abutment ST01-B01	0	30	22-Jul-23	25-Aug-23			0%	-268	
S2B.NM.2030	Blockage to Nullah and Divert Water to Temporary Channel	0	6	26-Aug-23	01-Sep-23			0%	-162	
Modification of Nullah to Facilitate	e Construction FBP-03	0	26	26-Aug-23	25-Sep-23				-268	
S2B.NM.2050	Block half of Nullah to Facilitate Expansion of Nullah on the North-East Wall	0	6	26-Aug-23	01-Sep-23			0%	-268	
S2B.NM.2060	Install Sheet Pile and Demolish North-East Wall	0	20	02-Sep-23	25-Sep-23			0%	-268	
Section 2C of the Works- Completi	on of Substructure and Piling Works of ST01 and CTFB	57	92	11-Apr-23 A	25-Sep-23	11-Apr-23			76	
Substructure and Piling Works for	Bridge ST01	14	86	22-May-23 A	18-Sep-23	22-May-23			82	
Piling Works		0	44	22-Jul-23	11-Sep-23				37	
Installation of bored piles for Pie	r ST01-P05	0	36	22-Jul-23	01-Sep-23				45	
S02CP3415	Implement TTA	0	1	22-Jul-23	22-Jul-23			0%	-29	
S02CP3420	Installation of bored piles for Pier ST01-P05 (2 nos)(CSD changed to 1 bored pilet)	0	18	24-Jul-23	12-Aug-23			0%	-29	
S02CP3440	Sonic test and interface core	0	3	30-Aug-23	01-Sep-23			0%	45	
Installation of bored piles for Abu	utment ST01-B01	0	8	02-Sep-23	11-Sep-23				-162	
S02CP3530	Backfill Working Platform for ST01-B01 Piling	0	8	02-Sep-23	11-Sep-23			0%	-162	
Pilehead Treatment, Pile Cap and	Pier/Abutment Construction	14	86	22-May-23 A	18-Sep-23	22-May-23			82	
At Pier ST01-P02		8		30-May-23 A	15-Jun-23	30-May-23			106	
S02CP3840	Construction of pier	8		30-May-23 A	15-Jun-23	30-May-23		0%	106	Cons
At Pier ST01-P03		8	7	30-May-23 A	15-Jun-23	30-May-23			125	8 8 8 8 8 8
S02CP3870	Construction of pier	8		30-May-23 A	15-Jun-23	30-May-23		0%	125	Cons
At Pier ST01-P04		6	31	01-Jun-23 A	15-Jul-23	01-Jun-23			119	
S02CP3900	Construction of pile cap	6	6	01-Jun-23 A	14-Jun-23	01-Jun-23		100%	119	Const
S02CP3910	Construction of pier	0	18	24-Jun-23	15-Jul-23			0%	119	
At Pier ST01-P06		14	43	22-May-23 A	05-Aug-23	22-May-23			119	
S02CP4040	Excavation and pilehead treatment	14		22-May-23 A	-	22-May-23	07-Jun-23	100%		Excavation a
EDD 土木工程拓展署 Civil Engineering	中國路橋工程有限費任公司		eriod:	Programm 09 May 23 Page : 7 of	to 08 Jun		-Jun-23)			i Actual Work Remaining Work Critical Remaining V

k Phas	se 1											
			.023									
3 25	02	July 09 16	23	30	06	Augu:	st20	27		Septe 03	ember 10	17
		I						-				
n cut exca	avatio	n Cell A (no	orth side)								
II Concre	te Blo	ock at Cell A	Aentran	ce								
Saw Cu	ıt and	Remove T	op & Bo	ttom	Slab							
		fill Cell A wi				al						
					ateria	ai						
	N	lobilisation	of Plant									
Carry-out	Trial	Pits / Utility	Detecti	on								
Install Ins	trume	entation and	lundert	ake h	aseli	ne m	onitori	ina				
	anne							"'9				
				1								
Evenue	to and	l Break Exi	cting Ch	anna								
EXCava	le and		-									
			Install	Shee	t Pilin	g an	d King	Post	to	form	Temp	oora
								ELS	\$ W	/orks	and	Con
-									E	Block	age t	o Ni
									1		•	
										Block	half	of N
				1								
			Implei	ment	TTA							
						Ins	tallatio	on of b	ore	ed pile	es for	Pie
								_		Sonic	test	and
										501110	1031	
											- Ba	ickfi
											Da	UKI
struction	of pie	er		1								
nstruction	of pie	er en										
struction	of pile	cap										
		Con	Istructio	n of p	ber							
n and pilel	nead	treatment										
I			3 N	/ontl	ns Ro	olling	Prog	ramm	ie			
		Date		Revis	sion			ecked			orove	d
Work		08-Jan-23	Rev.2	2.1k			DML			RP/F	۲S	

y ID	Activity Name	Actual Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish	Physical % Complete	Total Float	June
										28 04 11
S02CP4050	Construction of pile cap	0	14	15-Jun-23	03-Jul-23			0%	123	
S02CP4060	Construction of pier	0	18	17-Jul-23	05-Aug-23			0%	119	
At Pier ST01-P05		0	14	02-Sep-23	18-Sep-23				45	
S02CP3915	nstallation of ELS	0	14	02-Sep-23	18-Sep-23			0%	45	
Substructure and Piling Works for CTFB		57	92	11-Apr-23 A	25-Sep-23	11-Apr-23			-65	
Piling Works		57	53	11-Apr-23 A	10-Aug-23	11-Apr-23			-26	
Installation of Bored Pile for Abutment F	BA-01	57	0	11-Apr-23 A	17-Jun-23 A	11-Apr-23	17-Jun-23			
	nstallation of bored piles for Abutment FBA-01 (4 nos) (Change to Socket H-Pile 8 nos x td/pile)	57	0	11-Apr-23 A	17-Jun-23 A	11-Apr-23	17-Jun-23	100%	ľ	
Installation of Bored Pile for Pier FBP-01		0	35	08-Jun-23	20-Jul-23				-52	
S02C684	nstallation of bored piles for Pier FBP-01 (2 nos) (CSD changed to 1 BP)	0	18	08-Jun-23	29-Jun-23			0%	-136	
S02C685	Sonic test and interface core	0	3	18-Jul-23	20-Jul-23			0%	-52	
Installation of Bored Pile for Pier FBP-02		0	35	30-Jun-23	10-Aug-23				-26	
	nstallation of bored piles for Pier FBP-02 (2 nos) (CSD changed to 1 BP)	0		30-Jun-23	21-Jul-23			0%	-136	
S02C687	Sonic test and interface core	0	3	08-Aug-23	10-Aug-23			0%	-26	
				-	_			070		
Pilehead Treatment, Pile Cap and Pier/Abu	Itment Construction	34		27-Apr-23 A	25-Sep-23	27-Apr-23			-102	
At Pier FBP-06		34		27-Apr-23 A	26-Aug-23	27-Apr-23			-77	_
S02C749	Excavation and pilehead treatment	34	4	27-Apr-23 A	12-Jun-23	27-Apr-23		0%	-123	Ex
S02C750	Construction of pile cap	0	28	13-Jun-23	17-Jul-23			0%	-123	
S02C752	Construction of pier FBP-06	0	28	26-Jul-23	26-Aug-23			0%	-77	
At Abutment FBA-02		0	58	30-Jun-23	06-Sep-23				-123	
S02C1160	nstallation of ELS	0	14	30-Jun-23	17-Jul-23			0%	-123	
S02C1165	Excavation and pilehead treatment	0	16	18-Jul-23	04-Aug-23			0%	-123	
S02C1170	Construction of pile cap	0	28	05-Aug-23	06-Sep-23			0%	-123	
At Abutment FBA-01 (Changed to Socket	-H-niles 8 nos)	0	30	22-Aug-23	25-Sep-23				-123	
	nstallation of ELS	0		22-Aug-23	06-Sep-23			0%	-123	
S02C1065	Excavation and pilehead treatment	0	16	07-Sep-23	25-Sep-23			0%	-123	
	•					11 Apr 00				
G.I and Pre-drilling	works of Direct Road Link within Portion 1,2A,2B, 5 and 9	49 48		11-Apr-23 A 11-Apr-23 A	16-Oct-23 24-Jun-23	11-Apr-23			1178 1272	
Pre-drilling Works		48		11-Apr-23 A	24-Jun-23				1272	
	Pre-drilling works for Pier DRL-P07	0		08-Jun-23	24-Jun-23	11-7401-20		0%	42	
S031130	nstallation of working platform and Pre-drilling works for Pier DRL-P08	5	14	02-Jun-23 A	24-Jun-23	02-Jun-23		100%	23	
S031180	nstallation of working platform and Pre-drilling works for Pier DRL-P06 (PD01)	48	2	11-Apr-23 A	09-Jun-23	11-Apr-23		0%	1284	Insta
								0.0		
Piling Works Installation of Bored Piles for Pier DRL-P	11	33 12		29-Apr-23 A 24-May-23 A	16-Oct-23 25-Jul-23	29-Apr-23 24-May-23			92 36	
	nstallation of bored piles for Pier DRL-P11 (4 nos) (duration adjusted based on actual	12		24-May-23 A		24-May-23		0%	18	
	production rate)	0		19-Jul-23	25-Jul-23			0%	36	
								070		
Installation of Bored Piles for Pier DRL-P	10	6		01-Jun-23 A	29-Aug-23				-32	
Access and Site Clearance		6	19	01-Jun-23 A	30-Jun-23	01-Jun-23			-32	

土木工程拓展署 EDD CEDD Civil Engineering and Development Department



Three Month Rolling Programme (Data Date : 08-Jun-23) Period: 09 May 23 to 08 Jun 23 Page : 8 of 10

Actual Work Remaining Work Critical Remaining Milestone ٠

k Pha	ase 1					
		20	23			
3 25	02	July 09 16	23 3	Aug 30 06 1	just 3 20 27	September 03 10 17
. 1		nstruction of				
					1	
	5 5 6 8			Constru	uction of pier	
					8	
	1				8	
					[
					8	
				. ==		
stallatio	n of bo	red piles for	Abutme	nt FBA-01 (4	nos) (Change	to Socket H-Pi
	1				2 2 2	
	Install	ation of bore	d piles fo	or Pier FBP-	01 (2 nos) (CS	D changed to 1
	1	– 2	Sonic tes	st and interfa	ice core	
					8	
	1		Installat	ion of borod	niloo for Dior D	
•			installat		plies for Pier F	BP-02 (2 nos) (
	8			👝 Sor	nic test and inte	erface core
	1				8	
ation ar	d pileł	nead treatme	ent		1	
					8	
		Cor	nstructio	on of pile cap)	
	1				2 2 2	
					Con	struction of pier
				())	8	
	1	Insi	tallation	of ELS	8	
	1			- Excavat	ion and pilehe	ad treatment
	8 8 8			LACAVAL		
						Constructi
					8	_
					8	
						Installation
					- 	
	1				8	
	1 1 1				8	
					8	
					8	
	1 1 1				8	
Pre	-drilling	works for P	ier DRL	-P07		
Inst	allation	of working p	olatform	and Pre-drill	ling works for F	Pier DRL-P08
on of we	rkina r	lotform and	Dro drilli	ing worke fo	r Pier DRL-P06	
	a king p	alionn and	Fie-uniii	ing works to		D(FD01)
					2 2 2	
	Inote	lation of har	nd nilon		D11 /4 noo) 4	luration adjusts
	instal	Ialion of Dore	u piles i	IUI MELDRL	-r 11 (4 nos) (C	luration adjusted
	8		_ Inter	face core an	d sonic test	
	8					
			3 M	onths Rollin	g Programme	
		Date	1	evision	Checked	Approved
		08-Jan-23	Rev.2.		DML	RP/RS
Work		50 5017 20	1		1	1,

ivity ID	Activity Name	Actual Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish	Physical % Complete	Total Float		June
S031215	Site Clearance - Felling of Trees and Slope Removal (Temp. works)	6		01-Jun-23 A	30-Jun-23	01-Jun-23		0%	-32	28	04 11 18
		0	10		00-0411-20						
S031225	Access to P10	0	0	01-Jun-23 A		01-Jun-23		100%		• Ac	ccess to P10
Piling Works		0	50	03-Jul-23	29-Aug-23				-32		
S031250	Implementation of TTA	0	0	03-Jul-23				0%	-32		
S031280	Installation of bored piles for Pier DRL-P10 (2 nos) (duration adjusted based on actual production rate)	0	40	14-Jul-23	29-Aug-23			0%	-32		
S031540	Mobilisation of Plant	0	10	03-Jul-23	13-Jul-23			0%	-32		
Installation of Bored Piles for Pier		0	78	15-Jul-23	16-Oct-23				-50		
S031300	Implementation of TTA	0			10-001-20			0%			
					40.0.4.00						
S031310	Installation of bored piles for Pier DRL-P9 (2 nos) (duration adjusted based on actual production rate)	0	40	29-Aug-23	16-Oct-23			0%	-50		
S031520	Decking over CLP Cables and Site formation (PMI to be issued)	0	30	15-Jul-23	18-Aug-23			0%	-50		
S031530	Mobilisation of Plant	0	8	19-Aug-23	28-Aug-23			0%	-50		
Installation of Bored Piles for Pier	DRL-P05	1	0	08-Jun-23 A	08-Jun-23 A	08-Jun-23	08-Jun-23				
S031340	Interface core and sonic test	1	0	08-Jun-23 A	08-Jun-23 A	08-Jun-23	08-Jun-23	100%			Interface core
Installation of Bored Piles for Pier	DRL-P06	0	40	14-Aug-23	28-Sep-23				-29		
S031370	Installation of bored pile for Pier DRL-P06(2nos) (duration adjusted based on actual	0		-	28-Sep-23			0%			
Installation of Bored Piles for Pier	production rate) DRI -P08	0	70	03-Jul-23	21-Sep-23				18		
S031410	Installation of bored pile for Pier DRL-P08 (4nos) (duration adjusted based on actual	0			21-Sep-23			0%		·	
Installation of David Dilas for Dise	production rate)	20	07	45 May 00 A		45 May 00			400		
Installation of Bored Piles for Pier S031430	Installation of bored piles for Pier DRL-P03 (2 nos) (duration adjusted based on production	20 20		- , -	22-Jul-23 03-Jul-23	15-May-23 15-May-23		0%	126 126		
	rate)					To May 20					
S031440	Interface core and sonic test	0	3	20-Jul-23	22-Jul-23			0%	126		
Installation of Bored Piles for Pier	DRL-P02	32	55	29-Apr-23 A	12-Aug-23	29-Apr-23			145		
S031450	Installation of bored piles for Pier DRL-P02 (4 nos) (duration adjusted based on production rate)	32	35	29-Apr-23 A	20-Jul-23	29-Apr-23		0%	145		
S031460	Interface core and sonic test	0	6	07-Aug-23	12-Aug-23			0%	145		
Pilehead Treatment and Construct	ion of Pile Can	26	96	08-May-23 A	29-Sen-23	08-May-23			133		
At Pier DRL P-13		6	12	01-Jun-23 A	21-Jun-23	-			47		
S031620	Construction of pile cap	6	12	01-Jun-23 A		01-Jun-23		0%			Co
At Pier DRL P-12		24	0	08-May-23 A	05-Jun-23 A	08-May-23	05-Jun-23				
S031650	Construction of pile cap	24		08-May-23 A		08-May-23		100%			Construction of
At Pier DRL P-11		0		-	15-Sep-23				36		
At Pier DRL P-11 S031660	Installation of ELS	0			15-Sep-23 05-Aug-23			0%			
S031670	Excavation and pilehead treatment	0	14	3	22-Aug-23			0%	36		
S031680	Construction of pile cap	0	21	23-Aug-23	15-Sep-23			0%	36		
At Pier DRL P-04		0	45	08-Jun-23 A	01-Aug-23	08-Jun-23			51		
S031780	Installation of ELS	0	10	08-Jun-23 A	19-Jun-23	08-Jun-23		0%	51		Inst
S031790	Excavation and pilehead treatment	0	14	20-Jun-23	07-Jul-23			0%	51		
S031800	Construction of pile cap	0	21	08-Jul-23	01-Aug-23			0%	51		
5051000											

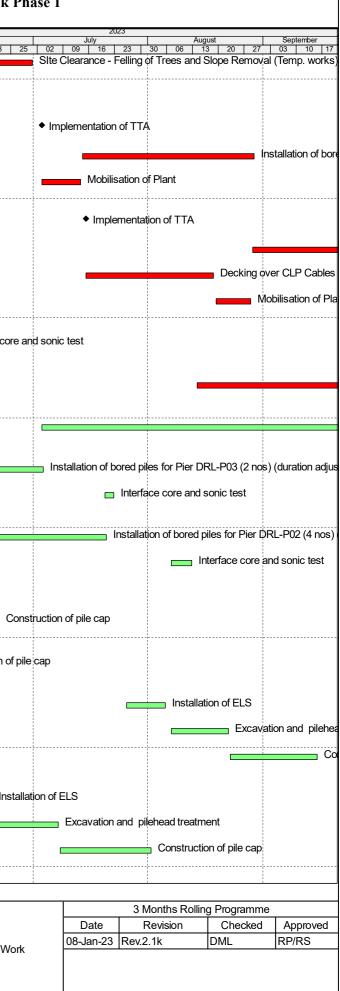
Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/San Tin Highway and Direct Road Link Phase 1

土木工程拓展署 EDD **Civil Engineering and Development Department**



Three Month Rolling Programme (Data Date : 08-Jun-23) Period: 09 May 23 to 08 Jun 23 Page : 9 of 10

Actual Work Remaining Work Critical Remaining Work ٠ Milestone



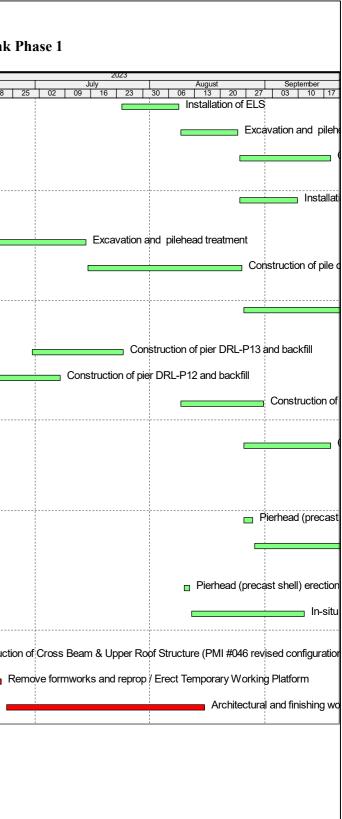
tivity ID	Activity Name	Actual Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish	Physical % Complete	Total Float		June
										28 04	11 18
S031900	Installation of ELS	0	14	24-Jul-23	08-Aug-23			0%	126		
S031910	Excavation and pilehead treatment	0	14	09-Aug-23	24-Aug-23			0%	126		
S031920	Construction of pile cap	0	21	25-Aug-23	18-Sep-23			0%	126		
At Pier DRL P-02		0	14	25-Aug-23	09-Sep-23				135		
S031930	Installation of ELS	0	14	25-Aug-23	09-Sep-23			0%	135		
At Abutment DRL A01		0	66	08-Jun-23 A	25-Aug-23	08-Jun-23			115		
S031960	Excavation and pilehead treatment	0	30	08-Jun-23 A	14-Jul-23	08-Jun-23		0%	115		
S031970	Construction of pile cap	0	36	15-Jul-23	25-Aug-23			0%	115		
At Approach Ramp		0	30	26-Aug-23	29-Sep-23				133		
S031980	Excavation and pilehead treatment	0	30	26-Aug-23	29-Sep-23			0%	133		
Construction of Pier/Abutment Cons	struction	0	82	13-Jun-23	18-Sep-23				115		
S032000	Construction of pier DRL-P13 and backfill	0	20	30-Jun-23	24-Jul-23			0%	47		
S032010	Construction of pier DRL-P12 and backfill	0	20	13-Jun-23	07-Jul-23			0%	71		
S032060	Construction of pier DRL-P04 and backfill	0	20	09-Aug-23	31-Aug-23			0%	55		
Abutment and Approach Ramp		0	20	26-Aug-23	18-Sep-23				115		
S032140	Construction of pier DRL-A01 and Cast Plinth	0	20	26-Aug-23	18-Sep-23			0%	115		
Superstructure		0	42	10-Aug-23	27-Sep-23				57		
Erection of Pierhead Segment		0	42	10-Aug-23	27-Sep-23				57		
Pierhead Segment At Pier DRL P-13		0	28	26-Aug-23	27-Sep-23				47		
S032500	Pierhead (precast shell) erection	0	2	26-Aug-23	28-Aug-23			0%	47		
S032510	In-situ diaphragm casting at Pier DRL-P13	0	26	29-Aug-23	27-Sep-23			0%	47		
Pierhead Segment At Pier DRL P-12	2	0	28	10-Aug-23	11-Sep-23				71		
S032530	Pierhead (precast shell) erection	0	2	10-Aug-23	11-Aug-23			0%	71		
S032540	In-situ diaphragm casting at Pier DRL-P12	0	26	12-Aug-23	11-Sep-23			0%	71		
Section 5 of the Works- Completion of	of the works within Portion 6 of the Site	47	57	12-Apr-23 A	15-Aug-23	12-Apr-23			1229		
S050100-60	Construction of Cross Beam & Upper Roof Structure (PMI #046 revised configuration)	47	3	12-Apr-23 A	10-Jun-23	12-Apr-23		100%	1283		Constructio
S050100-65	Remove formworks and reprop / Erect Temporary Working Platform	1	12	07-Jun-23 A	21-Jun-23	07-Jun-23		0%	-124		R
S050100-70	Architectural and finishing works (PMI #046 revised configuration)	0	45	23-Jun-23	15-Aug-23			0%	-124		

Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/San Tin Highway and Direct Road Link Phase 1









		3 Months Rolling	g Programme	
	Date	Revision	Checked	Approved
Work	08-Jan-23	Rev.2.1k	DML	RP/RS
VVOIK				

Contract No. YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2

Contract Data Part 1 Planned Completion Dates Project Manage's Instruction (P PMI No. 006 - Revised Drawings PMI006-110 PMI No. 006 - Qu PMI006-120 PMI No. 006 - PMI PMI No. 044 - Design Updates of I PMI No. 044 - PMI Submissions and Prejonal PRE-340 PS 1.16C - Submi Subletting PRE-770 Subletting for Con PRE-340 PS 1.16C - Submi Subletting for Con PRE-340 PRE-900 PRE-279 Subletting for Cleve PRE-279 Subletting for Cleve PRE-280 Subletting for Eleve PRE-920 Subletting for Eleve PRE-931 Subletting for Eleve PRE-932 Subletting for Eleve PRE-933 Subletting for Eleve PRE-933 Subletting for Eleve PRE-934 Subletting for Dou PRE-935 Subletting for Dou PRE-936 Subletting for Dou PRE-330 Subletting for Dou PRE-335 Subletting for Dou				0.4.11 0.00	0711 00	00.1		
Planned Completion Dates Project Manager's Instruction (P PMI No. 006 - Revised Drawings: PMI006-110 PMI No. 006 - Qu PMI006-120 PMI No. 006 - PMI PMI No. 044 - Design Updates of I PMI044-120 PMI No. 044 - PMI Submissions and Preparat Preliminary Submissions Preparat PRE-340 PS 1.16C - Submission Subletting Subletting for Con PRE-340 Subletting for Con PRE-279 Subletting for Cleve PRE-280 Subletting for Cleve PRE-281 Subletting for Eleve PRE-920 Subletting for Eleve PRE-931 Subletting for Eleve PRE-932 Subletting for Eleve PRE-933 Subletting for Dou PRE-933 Subletting for Dou PRE-934 Subletting for Dou <td>. YL/2021/01 - Contract 3 - Updated Programme (M</td> <td>511</td> <td>01-Apr-22 A</td> <td>04-Nov-25</td> <td>07-Mar-22</td> <td>26-Aug-26</td> <td>115</td> <td></td>	. YL/2021/01 - Contract 3 - Updated Programme (M	511	01-Apr-22 A	04-Nov-25	07-Mar-22	26-Aug-26	115	
Project Manager's Instruction (P PMI No. 006 - Revised Drawings PMI006-110 PMI No. 006 - PMI PMI006-120 PMI No. 006 - PMI PMI No. 044 - Design Updates of I PMI No. 044 - PMI Submissions and Preparat Preparat Preliminary Submissions PRE-340 PRE-340 PS 1.16C - Submission Subletting Foreinary Submissions PRE-279 Subletting for Con PRE-279 Subletting for Clevented PTI PRE-280 Subletting for Elevented PTI PRE-921 Subletting for Elevented PTI PRE-923 Subletting for Elevented PRE-931 PRE-930 Subletting for Elevented PRE-933 PRE-931 Subletting for Elevented FOT PRE-933 Subletting for Elevented FOT PRE-934 Subletting for Elevented FOT PRE-935 Subletting for Elevented FOT PRE-936 Subletting for Elevented FOT PRE-937 Subletting for Elevented FOT PRE-933 Subletting for Elevented FOT PRE-934 Subletting for Elevented FOT PRE-935 Subletting for Elevented FOT PRE-936		471	11-Jun-22 A 11-Jun-22 A	14-Jun-23	13-Jul-22 13-Jul-22	30-Dec-22 30-Dec-22	-166	
PMI No. 006 - Revised Drawings PM006-110 PMI No. 006 - Qui PM006-120 PMI No. 006 - PMI PMI No. 044 - Design Updates of I PMI No. 044 - PMI Submissions and Preparat PRE-340 PS 1.16C - Submi Subletting subletting for Con PRE-340 Subletting for Con PRE-370 Subletting for Con PRE-370 Subletting for Clev PRE-279 Subletting for Clev PRE-280 Subletting for Elev PRE-281 Subletting for Elev PRE-9225 Subletting for Elev PRE-930 Subletting for Elev PRE-931 Subletting for Elev PRE-933 Subletting for Elev PRE-933 Subletting for Elev PRE-933 Subletting for Dou PRE-934 Subletting for Dou PRE-935 Subletting for Dou PRE-936 Subletting for Dou PRE-937 Subletting for Dou PRE-938 Subletting for Dou PRE-310 Subletting for Dou PRE-335 Subletting for Dou PRE-345		471 471	11-Jun-22 A	14-Jun-23 14-Jun-23	13-Jul-22	30-Dec-22 30-Dec-22	-166	
PMI006-120 PMI No. 006 - PMI PMI No. 044 - Design Updates of I PMI044-120 PMI No. 044 - PMI Suberting PRE-340 PS 1.16C - Submi Subletting Subletting for Com PRE-370 Subletting for Com PRE-900 Subletting for Com PRE-900 Subletting for Cleating for Eleating for Eleat	evised Drawings for EPTI & DDFB (Quotation)	471	11-Jun-22 A	14-Jun-23	13-Jul-22	27-Jul-22	-322	
PMI No. 044 - Design Updates of I PMI044-120 PMI No. 044 - PMI Submissions PRE-340 PS 1.16C - Submissions PRE-340 Subletting for Com PRE-370 Subletting for Com PRE-900 Subletting for Com PRE-900 Subletting for Clevent PRE-279 Subletting for Elevent PRE-280 Subletting for Elevent PRE-291 Subletting for Elevent PRE-922 Subletting for Elevent PRE-933 Subletting for Elevent PRE-934 Subletting for Elevent PRE-935 Subletting for Elevent PRE-3	PMI No. 006 - Quotation Preparation and Submission	21	11-Jun-22 A	01-Jun-23	13-Jul-22	13-Jul-22	-322	· · · · · · · · · · · · · · · · · · ·
PMI044-1200 PMI No. 044 - PMI Submissions Preprimary Subsections PRE-340 PS 1.16C - Submissions Subletting Subletting for Coming PRE-370 Subletting for Coming PRE-900 Subletting for Coming PRE-900 Subletting for Clean PRE-279 Subletting for Elean PRE-280 Subletting for Elean PRE-920 Subletting for Elean PRE-921 Subletting for Elean PRE-9225 Subletting for Elean PRE-933 Subletting for Elean PRE-934 Subletting for Elean PRE-935 Subletting for Elean PRE-936 Subletting for Elean PRE-937 Subletting for Elean PRE-938 Subletting for Elean PRE-931 Subletting for Elean PRE-931 Subletting for Elean PRE-931 Subletting fo	PMI No. 006 - PM Review and Reply sign Updates of Double-deck Footbridge (Quotation)	14 14	01-Jun-23 05-Mar-23 A	14-Jun-23* 14-Jun-23	14-Jul-22 17-Dec-22	27-Jul-22 30-Dec-22	-322	
Preliminary Submissions PRE-340 PS 1.16C - Submission Subletting Subletting for Coming PRE-900 Subletting for Clean PRE-900 Subletting for Clean PRE-279 Subletting for Elean PRE-280 Subletting for Elean PRE-291 Subletting for Elean PRE-922 Subletting for Elean PRE-923 Subletting for Elean PRE-930 Subletting for Elean PRE-931 Subletting for Elean PRE-933 Subletting for Elean P	PMI No. 044 - PM Review and Reply	14	05-Mar-23 A	14-Jun-23*	17-Dec-22	30-Dec-22		· · · ·
PRE-340 PS 1.16C - Subm Subletting PRE-770 Subletting for Corn PRE-900 Subletting for Cleve PRE-900 Subletting for Eleve PRE-279 Subletting for Eleve PRE-280 Subletting for Eleve PRE-291 Subletting for Eleve PRE-9225 Subletting for Eleve PRE-9230 Subletting for Eleve PRE-9331 Subletting for Eleve PRE-933 Subletting for Dou PRE-933 Subletting for Dou PRE-934 Subletting for Dou PRE-330 Subletting for Dou PRE-331 Subletting for Dou PRE-335 Subletting for Dou PRE-336 Subletting for Dou </td <td>and Preparation</td> <td>259</td> <td>01-Apr-22 A</td> <td>24-Feb-24</td> <td>07-Mar-22</td> <td>26-Aug-26</td> <td>356</td> <td></td>	and Preparation	259	01-Apr-22 A	24-Feb-24	07-Mar-22	26-Aug-26	356	
SublettingPRE-770Subletting for CornPRE-900Subletting for ClevePRE-900Subletting for ClevePRE-279Subletting for ElevePRE-280Subletting for ElevePRE-291Subletting for ElevePRE-9225Subletting for ElevePRE-930Subletting for ElevePRE-931Subletting for ElevePRE-932Subletting for ElevePRE-933Subletting for ElevePRE-934Subletting for ElevePRE-935Subletting for ElevePRE-936Subletting for ElevePRE-937Subletting for ElevePRE-938Subletting for ElevePRE-939Subletting for ElevePRE-931Subletting for ElevePRE-933Subletting for ElevePRE-934Subletting for ElevePRE-935Subletting for DouPRE-936Subletting for DouPRE-330Subletting for DouPRE-331Subletting for DouPRE-335Subletting for DouPRE-335Subletting for DouPRE-336Subletting for DouPRE-337Subletting for DouPRE-338Subletting for DouPRE-339Subletting for DouPRE-335Subletting for DouPRE-335Subletting for DouPRE-336Subletting for DouPRE-337Subletting for DouPRE-338Subletting for DouPRE-339Subletting for DouPRE-0834Resubmission of IPRE-0848Comment from MI		0	01-Jun-23	01-Jun-23	07-Mar-22	07-Mar-22	-450	
PRE-770 Subletting for Cont PRE-900 Subletting for Cleve PRE-279 Subletting for Eleve PRE-280 Subletting for Eleve PRE-2925 Subletting for Eleve PRE-920 Subletting for Eleve PRE-9215 Subletting for Eleve PRE-9225 Subletting for Eleve PRE-931 Subletting for Eleve PRE-932 Subletting for Eleve PRE-933 Subletting for Eleve PRE-933 Subletting for Eleve PRE-934 Subletting for Eleve PRE-935 Subletting for Eleve PRE-936 Subletting for Eleve PRE-937 Subletting for Eleve PRE-938 Subletting for Eleve PRE-930 Subletting for Eleve PRE-931 Subletting for Eleve PRE-933 Subletting for Eleve PRE-940 Subletting for Eleve PRE-931 Subletting for Eleve PRE-930 Subletting for Eleve PRE-931 Subletting for Eleve PRE-931 Subletting for Eleve PRE-931 Subletting for Eleve	PS 1.16C - Submit Traffic Impact Assessment (TIA)	0 362	16-May-22 A	01-Jun-23* 24-Oct-23	13-Jun-22	07-Mar-22 07-Aug-24	-450 232	
PRE-900 Subletting for Oth Elevated PTI PRE-279 Subletting for Elev PRE-280 Subletting for Elev PRE-291 Subletting for Elev PRE-9225 Subletting for Elev PRE-921 Subletting for Elev PRE-9225 Subletting for Elev PRE-930 Subletting for Elev PRE-931 Subletting for Elev PRE-932 Subletting for Elev PRE-933 Subletting for Elev PRE-933 Subletting for Elev PRE-934 Subletting for Elev PRE-935 Subletting for Elev PRE-940 Subletting for Elev PRE-931 Subletting for Elev PRE-933 Subletting for Elev PRE-940 Subletting for Elev PRE-933 Subletting for Elev PRE-940 Subletting for Dou PRE-935 Subletting for Dou PRE-940 Subletting for Dou PRE-310 Subletting for Dou PRE-330 Subletting for Dou PRE-345 Subletting for Dou PRE-330 Subletting for Dou	Subletting for Contractor Office (Cannot Proceed, AD3/AD4 not available)	30	01-Jun-23	07-Jul-23*	24-Sep-22	31-Oct-22	-199	
PRE-279 Subletting for Elex PRE-280 Subletting for Elex PRE-920 Subletting for Elex PRE-921 Subletting for Elex PRE-9225 Subletting for Elex PRE-930 Subletting for Elex PRE-931 Subletting for Elex PRE-933 Subletting for Elex PRE-933 Subletting for Elex PRE-934 Subletting for Elex PRE-935 Subletting for Elex PRE-936 Subletting for Elex PRE-937 Subletting for Elex PRE-938 Subletting for Dou PRE-940 Subletting for Dou PRE-310 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-345 S	Subletting for Other Sub-contractors, Consultants, Service Providers	120	16-May-22 A	24-Oct-23	12-Mar-24	07-Aug-24	232	
PRE-280 Subletting for Elex PRE-295 Subletting for Elex PRE-920 Subletting for Elex PRE-9215 Subletting for Elex PRE-930 Subletting for Elex PRE-931 Subletting for Elex PRE-932 Subletting for Elex PRE-933 Subletting for Elex PRE-933 Subletting for Elex PRE-934 Subletting for Elex PRE-935 Subletting for Elex PRE-936 Subletting for Elex PRE-937 Subletting for Elex PRE-938 Subletting for Dou PRE-940 Subletting for Dou PRE-310 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-345 Subletting for Dou PRE-345 Subletting for Dou PRE-330 Subletting for Dou PRE-345 S		53	01-Jun-23	03-Aug-23	28-Sep-22	14-Jun-23	-41	
PRE-295 Subletting for Elex PRE-920 Subletting for Elex PRE-9225 Subletting for Elex PRE-930 Subletting for Elex PRE-931 Subletting for Elex PRE-932 Subletting for Elex PRE-933 Subletting for Elex PRE-934 Subletting for Elex PRE-935 Subletting for Elex PRE-937 Subletting for Elex PRE-938 Subletting for Elex PRE-937 Subletting for Elex PRE-938 Subletting for Elex PRE-940 Subletting for Elex PRE-931 Subletting for Elex PRE-933 Subletting for Elex PRE-940 Subletting for Elex PRE-9310 Subletting for Elex PRE-330 Subletting for Dou PRE-330 Subletting for Dou PRE-330 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou PRE-0831	Subletting for Elevated PTI RC & Scaffold Subletting for Elevated PTI RC Structure	0 30	01-Jun-23	01-Jun-23* 07-Jul-23	28-Sep-22	30-Mar-23 03-Nov-22	-47	
PRE-9225 Subletting for Elex PRE-930 Subletting for Elex PRE-931 Subletting for Elex PRE-932 Subletting for Elex PRE-933 Subletting for Elex PRE-934 Subletting for Elex PRE-935 Subletting for Elex PRE-937 Subletting for Elex PRE-930 Subletting for Elex PRE-931 Subletting for Elex PRE-933 Subletting for Elex PRE-940 Subletting for Dou PRE-310 Subletting for Dou PRE-335 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-345 Subletting for Dou PRE-335 Subletting for Dou Design Submission ICE PRE-0834 Resubmission of I PRE-0848 Comment	Subletting for Elevated PTI Escalator Installation	30	01-Jun-23	07-Jul-23	28-Sep-22	03-Nov-22	-196	
PRE-930 Subletting for Elex PRE-931 Subletting for Elex PRE-932 Subletting for Elex PRE-933 Subletting for Elex PRE-934 Subletting for Elex PRE-935 Subletting for Elex PRE-937 Subletting for Elex PRE-940 Subletting for Elex PRE-940 Subletting for Dou PRE-310 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0853 Co	Subletting for Elevated PTI Drainage Works: G/F, 1/F	29	01-Jun-23	06-Jul-23	25-Feb-23	30-Mar-23	-76	
PRE-931 Subletting for Elex PRE-932 Subletting for Elex PRE-933 Subletting for Elex PRE-934 Subletting for Elex PRE-935 Subletting for Elex PRE-937 Subletting for Elex PRE-930 Subletting for Elex PRE-940 Subletting for Dou PRE-310 Subletting for Dou PRE-335 Subletting for Dou PRE-335 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou PRE-0834 Resubmission of D PRE-0848 Comment	Subletting for Elevated PTI Drainage Works: Below G/F	0	01 400 00	06-Jul-23* 06-Jul-23	25-Feb-23	14-Jun-23 30-Mar-23	-17	
PRE-932 Subletting for Elex PRE-933 Subletting for Elex PRE-934 Subletting for Elex PRE-935 Subletting for Elex PRE-937 Subletting for Elex PRE-940 Subletting for Elex PRE-937 Subletting for Dou PRE-310 Subletting for Dou PRE-330 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-345 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou PRE-355 Subletting for Dou PRE-0834 Resubmission of I PRE-0848 Comment	Subletting for Elevated PTI Metal and Glass Works Subletting for Elevated PTI Holding Down Bolt	29 0	01-Jun-23	06-Jul-23 01-Jun-23*	20-F60-23	30-Mar-23 03-Apr-23	-76 -44	
PRE-934 Subletting for Elex PRE-935 Subletting for Elex PRE-937 Subletting for Elex PRE-940 Subletting for Elex Double Deck Forbridge PRE-310 PRE-330 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Approval from MT PRE-0848 Comment from M PRE-0851 Approval from MT PRE-0853 Comment from M PRE-0854 Resubmission o	Subletting for Elevated PTI Roof Cover	0		01-Jun-23*		03-Apr-23	-44	
PRE-935 Subletting for Elex PRE-937 Subletting for Elex PRE-940 Subletting for Elex Double Deck Fortbridge PRE-310 PRE-310 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou PRE-355 Subletting for Dou Design / MS / Temporary Works Modification Works at MTR Lok PRE-220 Prepare, Submit, E&M Diversion To Existing Block Design Submission PRE-0834 Resubmission of D PRE-0835 ICE Certification for PRE-0836 Approval from MT Design Submission P PRE-0848 Comment from M PRE-0849 Resubmission of D PRE-0851 Approval from MT Material Submission P PRE-0853 Comment from M PRE-0854 Resubmission of D PRE-0855 Approval from MT Material Submission P PRE-0858 Resubmission of D PRE-0858 Resubmission of D <td< td=""><td>Subletting for Elevated PTI Cladding & Glass Balustrade</td><td>0</td><td></td><td>01-Jun-23*</td><td></td><td>03-Apr-23</td><td>-44</td><td></td></td<>	Subletting for Elevated PTI Cladding & Glass Balustrade	0		01-Jun-23*		03-Apr-23	-44	
PRE-937 Subletting for Elex PRE-940 Subletting for Elex Double Deck Forbridge PRE-310 PRE-310 Subletting for Dou PRE-330 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-345 Subletting for Dou Design / MS / Temporary Works Modification Works at MTR Lock PRE-220 Prepare, Submit, E&M Diversion To Existing Block Design Submission PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0836 Approval from MT E&M Diversion Tex Wall Opening Design Submission M PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0851 Approval from MT Material Submission M PRE-0853 Comment from M PRE-0854 Resubmission of N PRE-0855 Approval from MT Modification M PRE-0858 Resubmission of N PRE-0859 Approval from MT Meth	Subletting for Elevated PTI Lift Shaft Glass Panels and Windows Subletting for Elevated PTI Railing & Cat Ladder	0		01-Jun-23* 01-Jun-23*		03-Apr-23 03-Apr-23	-44	
Double Deck Footbridge PRE-310 Subletting for Dou PRE-330 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou PRE-355 Subletting for Dou Design/ MS / Temporary Works Modification Works at MTR Lock PRE-220 Prepare, Submit, E&M Diversion for Existing Block Design Submission PRE-0834 Resubmission of D PRE-0835 ICE Certification for PRE-0836 Approval from MT Design Submission P PRE-0848 Comment from M PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission P PRE-0853 Comment from M PRE-0854 Resubmission of N PRE-0855 Approval from MT Method Statement Submission of N P PRE-0858 Resubmission of N PRE-0859 Approval from MT	Subletting for Elevated PTI Lift Installation	0		01-Jun-23*		30-Mar-23	-47	
PRE-310 Subletting for Dou PRE-330 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou PRE-355 Subletting for Dou PRE-355 Subletting for Dou PRE-355 Subletting for Dou Design/ MS / Terrporary Works Modification Works at MTR Lock PRE-220 Prepare, Submit, E&M Diversion To Existing Block Design Submission of I PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0848 Comment from MT Design Submission ICE PRE-0848 Comment from MT PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission ICE PRE-0853 Comment from M PRE-0854 Resubmission of I PRE-0855 Approval from MT Method Statement Submission ICE PRE-0858 Resubmission of I PRE-0859 Approval from MT	Subletting for Elevated PTI Irrigation System	24	07-Jul-23	03-Aug-23	31-Mar-23	03-May-23	-76	· · · · · · · · · · · · · · · · · · ·
PRE-330 Subletting for Dou PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou Design / MS / Temporary Works Modification Works at MTR Lok PRE-220 Prepare, Submit, E&M Diversion To Existing Block Design Submission PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0836 Approval from MT E&M Diversion Easting Submission PRE-0836 Approval from MT E&M Diversion Easting Submission of I PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission P PRE-0853 Comment from M PRE-0854 Resubmission of I PRE-0855 Approval from MT Method Statement Submission P PRE-0858 Resubmission of I PRE-0859 Approval from MT E&M Modification for Approval fro	otbridge Subletting for Double Deck Footbridge Bored Piling Works	223 30	08-Sep-22 A 08-Sep-22 A	14-Jun-23 03-Jun-23	13-Jun-22 13-Jun-22	13-Jun-23 15-Jun-22	-286	
PRE-335 Subletting for Dou PRE-345 Subletting for Dou PRE-355 Subletting for Dou Design/MS / Temporary Works Modification Works at MTR Lok PRE-220 Prepare, Submit, E&M Diversion for Existing Block Design Submission PRE-0834 Resubmission of D PRE-0835 ICE Certification for PRE-0836 Approval from MT E&M Diversion East Wall Opening Design Submission PRE-0836 PRE-0848 Comment from M PRE-0849 Resubmission of D PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission P PRE-0853 Comment from M PRE-0854 Resubmission of P PRE-0855 Approval from MT Method Statement Submission M PRE-0858 Resubmission of P PRE-0858 ICE Certification for PRE-0859 Approval from MT Design Submission P PRE-0856 ICE Certification for PRE-0857 <	Subletting for Double Deck Footbridge Bored Pilling Works Subletting for Double Deck Footbridge Structure	30	26-Sep-22 A	03-Jun-23 03-Jun-23	13-Jun-22 11-Mar-23	15-Jun-22 14-Mar-23		+
PRE-355 Subletting for Dou Design/ MS / Terrporary Works Modification Works at MTR Lock PRE-220 Prepare, Submit, Esign Submission PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0836 Approval from MT Esign Submission PRE-0836 Approval from MT Design Submission PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0848 Comment from M PRE-0851 Approval from MT Material Submission M PRE-0853 Comment from M PRE-0854 Resubmission of N PRE-0855 Approval from MT Material Submission M PRE-0858 Resubmission of N PRE-0859 Approval from MT Method Statement Submission of N P PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0874 Approval from MT Method Stateme	Subletting for Double Deck Footbridge Drainage Works: G/F, 1/F	0	•	01-Jun-23*		13-Apr-23	-39	· · · · · · · · · · · · · · · · · · ·
Design/ MS / Temporary Works Modification Works at MTR Lok PRE-220 Prepare, Submit, E&M Diversion for Existing Block Design Submission PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0836 Approval from MT E&M Diversion PRE-0848 Design Submission PRE-0849 PRE-0848 Comment from M PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission PRE-0853 PRE-0853 Comment from M PRE-0854 Resubmission of N PRE-0855 Approval from MT Material Submission P PRE-0858 Resubmission of N PRE-0858 Resubmission of N PRE-0858 Resubmission of N PRE-0858 Resubmission of N PRE-0859 Approval from MT Besign Submission P PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0865	Subletting for Double Deck Footbridge Drainage Works: Below G/F	0		14-Jun-23*		13-Jun-23	0	
Modification Works at MTR Lok PRE-220 Prepare, Submit, E&M Diversion for Existing Block Design Submission PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0836 Approval from MT E&M Diversion rear Wall Opening Design Submission PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission P PRE-0853 Comment from M PRE-0854 Resubmission of I PRE-0855 Approval from MT Method Statement Submission P PRE-0857 Comment from M PRE-0858 Resubmission of I PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0866 Approval from MT E&M Modification for Existing Block Design Submission PRE-0879 <td>Subletting for Double Deck Footbridge Movement Joint</td> <td>0 560</td> <td>01-Apr-22 A</td> <td>01-Jun-23* 24-Feb-24</td> <td>12-Apr-22</td> <td>13-Apr-23 26-Aug-26</td> <td>-39 740</td> <td></td>	Subletting for Double Deck Footbridge Movement Joint	0 560	01-Apr-22 A	01-Jun-23* 24-Feb-24	12-Apr-22	13-Apr-23 26-Aug-26	-39 740	
E&M Diversion for Existing Block Design Submission PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0836 Approval from MT E&M Diversion rear Wall Opening Design Submission PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission PRE-0853 PRE-0853 Comment from M PRE-0854 Resubmission of N PRE-0855 Approval from MT Material Submission P PRE-0858 Resubmission of N PRE-0858 Resubmission of N PRE-0859 Approval from MT Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0874 Approval from MT Method Statement Submission P PRE-0879 ICE Certification for PRE-0879 ICE Certification for	rks at MTR Lok Ma Chau Station	322	09-Sep-22 A	12-Oct-23	15-Jul-22	26-Aug-26	848	
Design Submission PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0836 Approval from MT E&M Diversion rear Wall Opening Design Submission PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission PRE-0853 PRE-0853 Comment from M PRE-0854 Resubmission of I PRE-0855 Approval from MT Method Statement Submission PRE-0857 PRE-0858 Resubmission of I PRE-0859 Approval from MT Method Statement Submission of I PRE-0858 PRE-0858 ICE Certification for PRE-0858 ICE Certification for PRE-0858 ICE Certification for PRE-0865 ICE Certification for PRE-0874 Approval from MT Method Statement Submission PRE-0879 PRE-0879 ICE Certification for PRE-08810 Comment from M <t< td=""><td>Prepare, Submit, Processing & Approval for Modification Works at MTR Lok Ma Chau Statio</td><td>22</td><td>09-Sep-22 A</td><td>01-Jun-23</td><td>30-Nov-22</td><td>30-Nov-22</td><td>-144</td><td>++-</td></t<>	Prepare, Submit, Processing & Approval for Modification Works at MTR Lok Ma Chau Statio	22	09-Sep-22 A	01-Jun-23	30-Nov-22	30-Nov-22	-144	++-
PRE-0834 Resubmission of I PRE-0835 ICE Certification for PRE-0836 Approval from MT E&M Diversion rear Wall Opening Design Submission PRE-0848 Comment from M PRE-0849 PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission PRE-0853 PRE-0853 Comment from M PRE-0854 Resubmission of I PRE-0855 Approval from MT Method Statement Submission PRE-0857 PRE-0858 Resubmission of I PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0858 ICE Certification for PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0874 Approval from MT Method Statement Submission PRE-0879 PRE-0879 ICE Certification for PRE-0879 ICE Certification for PRE-0881 Resubmission of I <td>•</td> <td>165 165</td> <td>09-Dec-22 A 09-Dec-22 A</td> <td>06-Jul-23 06-Jul-23</td> <td>20-Jan-23 20-Jan-23</td> <td>27-Feb-23 27-Feb-23</td> <td>-103</td> <td></td>	•	165 165	09-Dec-22 A 09-Dec-22 A	06-Jul-23 06-Jul-23	20-Jan-23 20-Jan-23	27-Feb-23 27-Feb-23	-103	
PRE-0836 Approval from MT Besign Submission PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission Material Submission PRE-0851 Approval from MT Material Submission Material Submission PRE-0853 Comment from M PRE-0854 Resubmission of N PRE-0855 Approval from MT Method Statement Submission MT PRE-0857 Comment from M PRE-0858 Resubmission of N PRE-0859 Approval from MT Besign Submission MT PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0874 Approval from MT Method Statement Submission PRE-0879 PRE-0879 ICE Certification for <	Resubmission of Design Drawings for E&M Diversion for Existing Block Wall at L1	12	09-Dec-22 A	01-Jun-23	20-Jan-23	20-Jan-23	-103	
E&M Diversion near Wall Opening Design Submission PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission PRE-0853 PRE-0853 Comment from M PRE-0854 Resubmission of I PRE-0855 Approval from MT Method Statement Submission PRE-0857 PRE-0858 Resubmission of I PRE-0859 Approval from MT Method Statement Submission PRE-0858 PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT Method Statement Submission PRE-0879 PRE-0879 ICE Certification for PRE-0881 Resubmission of I PRE-0881 Resubmission of I PRE-1015 Comment from M	ICE Certification for Design Drawing Resubmissions of E&M Diversion for Existing Block Wall	9	02-Jun-23	12-Jun-23	26-Jan-23	04-Feb-23	-103	
Design Submission PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission ICE PRE-0853 Comment from M PRE-0853 Comment from M PRE-0854 Resubmission of I PRE-0855 Approval from MT Method Statement Submission P PRE-0857 Comment from M PRE-0858 Resubmission of I PRE-0859 Approval from MT Besign Submission P PRE-0858 ICE Certification for PRE-0865 ICE Certification for PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission P PRE-0874 Approval from MT Method Statement Submission P PRE-0879 ICE Certification for PRE-0879 ICE Certification for PRE-0881 Resubmission of I PRE-0881 Resubmission of	Approval from MTR and others on Design Drawing Submissions for E&M Diversion for Existin	19	13-Jun-23	06-Jul-23*	06-Feb-23	27-Feb-23	-103	
PRE-0848 Comment from M PRE-0849 Resubmission of I PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission PRE-0853 PRE-0853 Comment from M PRE-0854 Resubmission of N PRE-0855 Approval from MT Method Statement Submission PRE-0857 PRE-0857 Comment from M PRE-0858 Resubmission of N PRE-0859 Approval from MT Besign Submission PRE-0858 PRE-0859 Approval from MT Besign Submission PRE-0865 PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT Besign Submission PRE-0879 PRE-0879 ICE Certification for PRE-0881 Resubmission of I PRE-0881 Resubmission of I PRE-0881 Resubmission of I PRE-1015 Comment from M PRE-1025 Resubmission of I PRE-1025 <td< td=""><td>ear Wall Opening at L2 (PCU-186, PCU-187, Air ducts, Refigerant Pipes, Lighting, etc.</td><td>174 174</td><td>09-Dec-22 A 09-Dec-22 A</td><td>17-Jul-23 17-Jul-23</td><td>08-Dec-22 08-Dec-22</td><td>20-May-23 28-Jan-23</td><td>-46</td><td></td></td<>	ear Wall Opening at L2 (PCU-186, PCU-187, Air ducts, Refigerant Pipes, Lighting, etc.	174 174	09-Dec-22 A 09-Dec-22 A	17-Jul-23 17-Jul-23	08-Dec-22 08-Dec-22	20-May-23 28-Jan-23	-46	
PRE-0850 ICE Certification for PRE-0851 Approval from MT Material Submission PRE-0853 PRE-0854 Resubmission of N PRE-0855 Approval from MT PRE-0856 Resubmission of N PRE-0857 Comment from MT Method Statement Submission PRE-0857 PRE-0858 Resubmission of N PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0866 PRE-0866 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0879 ICE Certification for PRE-0881 Resubmission of I PRE-0881 Resubmission of I PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1025 Resubmission of r PRE-1025 Approva	Comment from MTR & others on Design Drawings for E&M Diversion near Wall Opening at I	19	09-Dec-22 A	01-Jun-23	08-Dec-22	08-Dec-22	-137	
PRE-0851 Approval from MT Material Submission PRE-0853 PRE-0853 Comment from M PRE-0854 Resubmission of N PRE-0855 Approval from MT Method Statement Submission PRE-0857 PRE-0857 Comment from M PRE-0858 Resubmission of N PRE-0859 Approval from MT Besign Submission PRE-0859 PRE-0859 Approval from MT Besign Submission PRE-0866 PRE-0866 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT Besign Submission PRE-0879 PRE-0879 ICE Certification for PRE-0881 Resubmission of I PRE-0881 Resubmission of I PRE-1015 Comment from M PRE-1025 Resubmission of I PRE-1035 Approval from MT	Resubmission of Design Drawings for E&M Diversion near Wall Opening at L2	13	02-Jun-23	16-Jun-23	09-Dec-22	23-Dec-22	-137	
Material Submission PRE-0853 Comment from M PRE-0854 Resubmission of I PRE-0855 Approval from MT Method Statement Submission PRE-0857 Comment from M PRE-0857 Method Statement Submission PRE-0858 PRE-0859 Approval from MT PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0866 PRE-0866 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings St PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission fr	ICE Certification for Design Drawing Resubmissions for E&M Diversion near Wall Opening at Approval from MTR and others on Design Drawing Submissions for E&M Diversion near Wal	10 14	17-Jun-23 30-Jun-23	29-Jun-23 17-Jul-23*	24-Dec-22 09-Jan-23	07-Jan-23 28-Jan-23	-137	
PRE-0854 Resubmission of N PRE-0855 Approval from MT Method Statement Submission PRE-0857 Comment from M PRE-0858 PRE-0858 Resubmission of N PRE-0859 Approval from MT PRE-0859 Approval from MT PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0879 ICE Certification for PRE-0881 Resubmission of I PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings Su PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1025 Approval from MT Method Statement Submission of r PRE-1035		115	16-Feb-23 A	08-Jul-23	14-Apr-23	20-May-23	-39	
PRE-0855 Approval from MT Method Statement Submission PRE-0857 Comment from M PRE-0858 Resubmission of N PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0866 PRE-0874 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0881 Resubmission of ICE PRE-0881 Resubmission of ICE Strengthening Works Materials and Shop Drawings Su PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission of r PRE-1025	Comment from MTR and others on Material Submissions for E&M Diversion near Wall Open	19	16-Feb-23 A	01-Jun-23	14-Apr-23	14-Apr-23	-39	
Method Statement Submission PRE-0857 Comment from M PRE-0858 Resubmission of I PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0866 PRE-0874 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0881 Resubmission of I PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings SL PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT	Resubmission of Material Submissions for E&M Diversion near Wall Opening at L2 Approval from MTR and others on Material Submissions for E&M Diversion near Wall Openin	13 17	02-Jun-23 17-Jun-23	16-Jun-23 08-Jul-23	15-Apr-23 02-May-23	29-Apr-23 20-May-23	-39	
PRE-0858 Resubmission of N PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings St PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT		139	13-Jan-23 A	07-Jul-23	14-Apr-23	19-May-23	-39	
PRE-0859 Approval from MT E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0866 PRE-0866 Approval from MT Method Statement Submission PRE-0874 Approval from MT Method Statement Submission PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings Su PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission M	Comment from MTR and others on Method Submissions for E&M Diversion near Wall Open	19	13-Jan-23 A	01-Jun-23	14-Apr-23	14-Apr-23	-39	
E&M Modification for AHU-025 at Design Submission PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings Su PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1025 Approval from MT PRE-1035 Approval from MT	Resubmission of Method Submissions for E&M Diversion near Wall Opening at L2 Approval from MTR and others on Method Submissions for E&M Diversion near Wall Openir	13 16	02-Jun-23 17-Jun-23	16-Jun-23 07-Jul-23	15-Apr-23 02-May-23	29-Apr-23 19-May-23	-39	
PRE-0865 ICE Certification for PRE-0866 Approval from MT Method Statement Submission PRE-0874 PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings SL PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission Materials and Submission		134	05-Jan-23 A	21-Jun-23	06-Jan-23	26-Aug-26	941	
PRE-0866 Approval from MT Method Statement Submission PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings Su PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission Materials and		98	21-Feb-23 A	21-Jun-23	06-Jan-23	31-Jan-23	-115	
Method Statement Submission PRE-0874 Approval from MT E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings SL PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission Materials and Submission	ICE Certification for Design Drawing Resubmissions of E&M Modification of AHU-025 at L2 Approval from MTR and others on Design Drawing Submissions for E&M Modification of AHL	10 15	21-Feb-23 A 05-Jun-23	03-Jun-23 21-Jun-23*	06-Jan-23 10-Jan-23	09-Jan-23 31-Jan-23	-115	kk
E&M Diversion for Existing Block Design Submission PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings Su PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission Materials on		14	05-Jan-23 A	01-Jun-23	26-Aug-26	26-Aug-26	958	
Design Submission PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings Supervision of r PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission Materials and Supervision	Approval from MTR and others on Method Submissions for E&M Modification of AHU-025 at	14	05-Jan-23 A	01-Jun-23	26-Aug-26	26-Aug-26	958	· +
PRE-0879 ICE Certification for PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings St PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission Materials and Shop St	.	113 113	21-Feb-23 A 21-Feb-23 A	11-Jul-23 11-Jul-23	26-Jan-23 26-Jan-23	04-Mar-23 04-Mar-23	-102	
PRE-0880 Comment from M PRE-0881 Resubmission of I Strengthening Works Materials and Shop Drawings SL PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission M	sion ICE Certification for Design Drawings of E&M Modification of AHU-025 at L2	9	21-Feb-23 A 21-Feb-23 A	01-Jun-23	26-Jan-23 26-Jan-23	26-Jan-23	-102	
Strengthening Works Materials and Shop Drawings St PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission Materials	Comment from MTR & others on Design Drawings for E&M Modification of AHU-025 at L2	13	02-Jun-23	16-Jun-23	27-Jan-23	10-Feb-23	-102	
Materials and Shop Drawings St PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission Method Statement Submission	Resubmission of Design Drawings for E&M Modification of AHU-025 at L2	19 170	17-Jun-23 26-Oct-22 A	11-Jul-23* 28-Jul-23	11-Feb-23	04-Mar-23 12-Oct-22	-102	
PRE-1015 Comment from M PRE-1025 Resubmission of r PRE-1035 Approval from MT Method Statement Submission		170	26-Oct-22 A 26-Oct-22 A	28-Jul-23 11-Jul-23	15-Aug-22 01-Sep-22	12-Oct-22 12-Oct-22	-233	
PRE-1035 Approval from MT Method Statement Submission	Comment from MTR and others on materials and shop drawings submission for Strengthen	18	26-Oct-22 A	01-Jun-23	01-Sep-22	01-Sep-22	-218	·····
Method Statement Submission	Resubmission of materials and shop drawings submission for strengthening works	7	07-Mar-23 A	17-Jun-23	02-Sep-22	19-Sep-22	-218	
	Approval from MTR and Others on materials and shop drawings submission for Strengtheni ent Submission	18 48	19-Jun-23 01-Jun-23	11-Jul-23 28-Jul-23	20-Sep-22 15-Aug-22	12-Oct-22 12-Oct-22	-218 -233	
	Comment from MTR and others on materials and shop drawings submission for Strengthen	18	01-Jun-23	21-Jun-23	15-Aug-22	03-Sep-22	-233	
	Resubmission of materials and shop drawings submission for Strengthening works	12	23-Jun-23	07-Jul-23	05-Sep-22	19-Sep-22	-233	
PRE-1075 Approval from MT Mezzanine Floor	Approval from MTR and Others on materials and shop drawings submission for Strengtheni	18 190	08-Jul-23 26-Oct-22 A	28-Jul-23 21-Aug-23	20-Sep-22 28-Mar-23	12-Oct-22 21-Jun-23	-233	
Materials and Shop Drawings Su	hop Drawings Submission	82	26-Oct-22 A 26-Oct-22 A	23-Jun-23	04-May-23	21-Jun-23 25-May-23	-23	
PRE-1095 Comment from M	Comment from MTR and others on materials and shop drawings submission for Strengthen	18	26-Oct-22 A	01-Jun-23	04-May-23	04-May-23		÷÷-
PRE-1115 Approval from MT Method Statement Submission	Approval from MTR and Others on materials and shop drawings submission for Strengthenia	18 68	18-Mar-23 A 01-Jun-23	23-Jun-23 21-Aug-23	05-May-23 28-Mar-23	25-May-23 21-Jun-23	-23	
	Preparation & submission of method statement for Strengthening works	24	01-Jun-23	21-Aug-23 29-Jun-23	28-Mar-23	21-Jun-23 28-Apr-23	-50	

中国铁建 Paul Y. – Chun Wo – CRCC JV

Actual Level of Effort Actual Work Remaining Work Critical Remaining Work

Three Month Rolling Progr

	June 32					uly 33				August 34			September 35		_
04	11	18	25	02	09	16	23	30	06	13	20 2	7 03	10	17 2	24
															٦
	, L						 								·
		, , , ,			1										
		 	 ! !		 		·+								
No. 006 - Qu	otation Prepa														
	PMI	No. 006 - PM	Review and	Reply										; ;;	
							· · · · · · · · · · · · · · · · · · ·								
	PMI	No. 044 - PM	Review and	Reply			 								
	, 1 1														
1.16C - Subr	hit Traffic Impa	ct Assessmer	it (TIA)												
	'	 !	`` 				L		L	L	LL 			44 	
				Sul	bletting for (Contractor Off	ice (Cannot Pro	oceed. AD3//	∖D4 not availal	ble)					·
														<u> </u>	
	 ! !														
letting for Fle	vated PTI RC	& Scaffold					 		· <mark>-</mark>						
			 		bletting for F	levated PTI	RC Structure				 				
	·						scalator Instal	lation			·				
							ainage Works:								·
			·				ainage Works:		· -		·····				·
			;				tal and Glass								·
letting for Ele	vated PTI Hol	ding Down Bo	 /t						 ! !	 ! !					·
	vated PTI Ro						· · · · · · · · · · · · · · · · · · ·		L						·
	vated PTI Cla		Balustrade				· · · · · · · · · · · · · · · · · · ·								·
	vated PTI Lift								L		La a a a a a a a a a a a a a a a a a a		!		
	vated PTI Rai														
	vated PTI Lift		 , ,												
	 	 						S	ubletting for El	evated PTI Irri	gation System				
	 ! !	,							· · · · · · · · · · · · · · · · · · ·					;	
Subletting for	r Double Deck	k Footbridge E	ored Piling	Works					 						
	r Double Ded														
	uble Deck Foo			G/F, 1/F					 	 ! !					
				tbridge Drainage V	Vorks: Beloy	w G/F									
letting for Do	uble Deck Foc								1						
pare, Submit	, Processina &	Approval for	Modification	Works at MTR Lok	Ma Chau S	Station (SSP E	BA10)								·
						(·						·
	 1 1	; 1 1	; ! !												·
submission o	f Design Draw	ings for E&M	Diversion for	Existing Block Wal	latL1				· L	L				· · · · · · · · · · · · · · · · · ·	·
				g Resubmissions o		rsion for Existi	ng Block Wall	⊢ at Ц1							·
									sions for E&N	Diversion for	Existing Block Wall at	L			·
			·												·
														;	·
mment from I	MTR & others	on Design Dra	wings for Ea	۹۲۱ Stersion near ۱	Wall Openin	g at L2			L	L	L			······································	•
				rawings for E&M D			ig at L2							;; ;	·
				ICE Certification for			+ +	M Diversion r	ear Wall Oper	hing at L2					
					ī					L	for E&M Diversion ne	ar Wall Opening at	L2		
	 , , ,														
mment from	MTR and othe	rs on Material	Submission	s for E&M Diversior	n near Wall	Opening at L2	2		 						
		Resubmission	of Material	Submissions for E8	M Diversion	near Wall Op	ening at L2		r					,	
				A	pproval from	n MTR and ot	hers on Materi	al Submissio	ns for E&M Div	ersion near W	all Opening at L2			· · · · · · · · · · · · · · · · · · ·	
		,												· · · · · · · · · · · · · · · · · · ·	
mment from I				s for E&M Diversion										,	
		Resubmission	of Method	Submissions for E&			· -								
				Арј	proval from	MTR and othe	ers on Method	Submissions	for E&M Diver	sion near Wall	Opening at L2				
														· · · · · · · · · · · · · · · · · · ·	
ICE Certifica	tion for Desigr			of E&M Modification										· · · · · · · · · · · · · · · · · · ·	
		Арр	roval from N	ITR and others on I	Design Draw	ving Submissi	ons for E&M M	odification o	AHU-025 at L	2					
proval from N	TR and other	s on Method S	Submissions	for E&M Modification	on of AHU-0	25 at L2			¦ 					¦	
														· · · · · · · · · · · · · · · · · · ·	
	 	 	 				·							· · · · · · · · · · · · · · · · · · ·	
Certification	· .			n of AHU-025 at L2										; 	
		Comment from	n MTR & oth	ers on Design Drav					 						
		L			Resub	mission of De	sign Drawings	for E&M Mod	ification of AHL	J-025 at L2	· · · · · · · · · · · · · · · · · · ·			; ;	
	, ,														
														¦	
mment from I	MIR and othe			drawings submissio					 						
		Hesubmissi	on ot materia	als and shop drawir							Kay Olympic Libert			· · · · · · · · · · · · · · · · · · ·	
		·			Approv	al from MTR a	and Others on	materials an	a snop drawing	ys submission	for Strengthening wo	rks			
			montfor		motorial	nd ober -		n for Otre	honing						·
	L	Con	interit from	MTR and others on							· · · · · · · · · · · · · · · · · · ·				·
	, , ,			Res	SUDITIISSION	u materials a	nd shop drawir				le and chan dealers		ronathoning	rke	·
								upproval from	i ivii n and Oth	ers on materia	als and shop drawings	submission for St	enginening wo	ins :	
mmont from	MTP and atta	re on motoria	b and char		n for Street	thening	b							;;	·
Intrent from I	winn and othe	is on material	and shop	drawings submissio	on meteric		awingo oub-	esion for Oto	hathening		· · · · · · · · · · · · · · · · · · ·				·
			hppioval IIO	m MTR and Others	on materia	is and shop 0	awings submit			ю				;;	·
				Preparation & subr	nission of m	ethod statom	ent for Strengt	hemina work							·
	1	1			INSSIULT OF M	eu ou statem	ient for Strengt	work		1	1	1	1	1 I 1 I	\neg
			2		Project II	D : YLC3-UP	D16-230621				Three M	onth Rolling Prog	ramme		۲
ks Pack	age 1 - 0	ontract	5		-		3 02 MPR App	B-3MRP		Date			Checked	Approved	\neg
ramme	2				1	-May-23 / Pa		itt		31-May-23	MPR No. 16				Η
annic										.,		I	I		\neg

PF = 10 Convert for the PP of control and out on a dive any part is and for the part i)	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float		21	28
PHE TIMPAssociety with a series of a constraint of a series of a	PRE-1135	Comment from MTR and others on materials and shop drawings submission for Strengthen	18	30-Jun-23	21-Jul-23	29-Apr-23	20-May-23	-50			
Between the second s						,					
Jone backets a definition of Doc besign (April)6481 Julp10 Parks10 Parks<		Approval from MTR and Others on materials and shop drawings submission for Strengthenii		<u> </u>	Ū						
PHE 110PC - DEC SUP DATAPC - DEC SUP											
PHTMEC)<	-										
PhileOxnume for UP on graph pare for UP on Grap					•			-			
FR110Producting of Calcy and plant and p				•	•				·		
Latence for any latence in partial in the set of t		· ·		-	· · ·						
Process Properties a contrasts of antities in affer that is a properties of antities of an	PRE-1196	ICE Certification for resubmission Design Drawings for ABWF Works	10	29-Sep-23	12-Oct-23	11-Feb-26	26-Feb-26	700			
F-1.12 P-1.20 B-1.20 B-1.20 B-1.20 B-1.20 B-1.20 	Materials Subn	nission	40	25-Aug-23	12-Oct-23	31-Dec-25	26-Feb-26	700			
PhiPA38 PhiLable start of inspire during in AMP (Wale) Phi 200 Phi 200 </td <td></td> <td>Preparation & submission of materials for ABWF Works</td> <td>12</td> <td>25-Aug-23</td> <td>07-Sep-23</td> <td>31-Dec-25</td> <td></td> <td></td> <td></td> <td></td> <td></td>		Preparation & submission of materials for ABWF Works	12	25-Aug-23	07-Sep-23	31-Dec-25					
NameN			18	•		21-Jan-26					
P4-100P4-1											
Jamping Lensing and servedProduct Served </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+</td> <td></td> <td></td>									+		
Descy Summer 10 17 Marcel A (5.4.a.2) 10.4.a.2)				•							
Price 11.6Append two Lifes and thes as beings haveng treated pended opend op											
Model Statement Statement is weaking Factors State 2 16 07 March 20 16 Jun 20	-										
Net tools Net of the Minist and the antice to be shown in the shown i											
sense jarn sol 11 Are2A 24 Feat 3 14 F			-								
F2-10whene Cateners Aspect Notational PLD.S Mode 10.00.1 Augu20.0 Col.200.4 Augu21.4 Jan.200.0 Augu20.4 Jan.200.0 Augu20.0 Augu20.		Approvantoin with and other of method statement for hoading Election (stage 2)									
Press Busy Day Day Material bard Water Statement Papers Material Sector Statem		Method Statement Prenare, Submit & Approval for Elevated PTI ELS Works									
T-G-60 Dep: Day, Manei Saber Webs Saber Presson: Second Yeb Presson 147 0											
sk-40Impo by Leans and verse bitmered reprod. Same 7. & groups of the sector of the secto				•							
set-60 logs (b), Motified is and Alero Silling Park (b)				•							
FindProtein Souris A properties functional protein Souris A properties from the function of the protein Souris A properties from the function of the protein Souris A							,				
Date Date Dist Dist <thdis< th=""> Dist <thdist< th=""> Di</thdist<></thdis<>				0			,				
Pre-19 Anthon Statemer Press, such 3, Appoint Duck Processing Book Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj Proj				•		· ·	· ·				
F4-500 Mind or Salament Process Journ, 4 Approval for Dick to Recording PL S Wale 22 0 - June 20 97 June 30 97 June 30 97 June 30 97 June 30<											
Distriction Dist Optimization								_			
Displace Display Display Display Display Display <thdisplay display<="" th=""></thdisplay>							Ű				
pipedia Pipedia <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
Schemisson of RS 14. 60 0.9.1.93 73.8.4.92 0.10.5.20 77.8.4.2 1.44 VE-126 Selver function framphyter tempoyer 63 24.4.9.2.4 1.2.8.9.2.2 1.5.9.2.2 1.7.9		OFKS AT MITH LOK MA CHAU STATION							·		
Chir2: Subley Inductors Training (BB) and C PND Training by the Emptyse 90 22 Ang 22 A 12 A <t< td=""><td>-</td><td></td><td></td><td></td><td></td><td>-</td><td>Ŭ</td><td></td><td>·</td><td></td><td></td></t<>	-					-	Ŭ		·		
C-136 Taining for Fin Number by Englose* 53 24-Aug 22-A 29.04/022 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023 20.04/023					•				·		
Name of Entropy Name of En					· ·				· · · · · · · · · · · · · · · · · · ·		_
NH 98 This Package of Las Call System for Sandbal Fundament 1 21 Feb 23 00 02-Aug 22 00 Aug 22 00 Aug 23 00 NH 95 Towards of WC Tracking & Calles 42 25-Feb 23 01-Jun-23 20 Apr 23 00 Aug 23 00 02 NH 95 Towards of PM Netward Approval 02 25-Feb 23 01-Jun-23 20 Apr 23 000 02 00 02 00 02 00 02 00 02 <th< td=""><td></td><td>Inaming for Fire warshal by Employer</td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		Inaming for Fire warshal by Employer		-							
PM050 PM Def PM Even wind Approval 1 21 Feb 23.4 01 Jun 23 02 Jun 23 03 Jun 23 02 Jun 23 02 Jun 23 03 Jun 23 02 Jun 23 03 Jun		Dackage of Load Call Suntam for Socifield Distance					U U				
MM 07 Display Constant View Constant						-					
PM05 20 PM 037 PM End seven and Approal 42 25 Feb 21A 07 Jun 23 90 App 23 92 App 23 </td <td></td> <td>••</td> <td></td> <td></td> <td></td> <td>ů</td> <td></td> <td></td> <td></td> <td></td> <td></td>		••				ů					
PM 02: Dension of Transfer Air Dect Question) 51 15 May 23 A 07.4423 15 Mar 23 20 Apr 23 78 PM078.200 PM 028 PM Prive and Approval 21 17 Jun 23 07.4423 31 Mar 23 20 Apr 23 78 PM078.200 PM 028 PM Prive and Approval 21 17 Jun 23 07.4423 31 Mar 23 20 Apr 23 78 PM082.201 PM 028 based and Schwitzing Procedum 30 15 May 23 A 07.4423 31 Mar 22 25 Jun 23 06 App 24 21 Jun 23 06 App 24 25 Jun 23 07 App 24 25 Jun 23 06 App 24 25 Jun 23 07 App 24 25 Jun 23 06 App 24 25 Jun 23 06 App 24 25 Jun 23 06 App 24 24 Jun 24 24 Jun 23 25 Jun 23 06 App 24 24 Jun 24 24 Jun 23 26 Jun 24 24 Jun 24<											
PM0720 PM0 278 PM0721		••				· ·					
PM078210 PM0782 PM17820 PM17820 91-Mar23 92-Ap23 78 PM078200 PM082 Second and Selection Works in LK MC Class Biolin (Classian) 11 HM97240 97-LA23 91-Mar23 92-Mar23 12-Mar23 92-Mar23 12-Mar23 92-Mar23 12-Mar23 92-Mar23 94-Mar23	r										
PMI 082 - Perivsed twoining in kontinuation (bus lastion (bus lastion) 91 14 Alwy 24 07.448.0 91.44wy 22 26.4wy 38 11.6 PMI08200 PMI 080 PM Revew and Approval 21 17.4wr 34 07.4wr 34 27.4wr 33 27.4wr 34 27.4wr 34 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
PM082 200 PM 082 Issued and Subleting Proceedure 30 18.May 24 16.Jun 23 31.May 22 15.Jun 23 27.Jun 23 27		••									
PM002 201 PM 002 PM 062P MR Preve and Approval PM 063 PM 064 PM 063 Based PM 064 PM 064 Based and Subering Procedure PM 064 PM 06						-			i		
PMI 083. Additional 100A TPM NGB Baserd for Tengorary AC unit and PCLs 184. 186 1 29May 23A 27Jam 23 17Jam 24 27Jam 24 27Jam 24 27Jam 24 27Jam 24 27Jam		-									
PM03 B0 PM 083 Bsand 1 29 Mg/23A 29 Mg/23A 29 Mg/23A 29 Mg/23A 23 Mg		••					Ű				
PMI 04-1 Period 95 29-May 20 A 02-Jul 23 23-Feb-23 29-May 23 11 Mar 23 29-May 23 12 Mar 23 27-Mar 23 11 Mar 23 29-Mar 23 27-Mar 23 11 Mar 23 27-Mar 23 12 Mar 23 27-Mar 23 12 Mar 23 27-Mar 23 12 Mar 23 27-Mar 24 <			1								
PM094/20PM 094 PM Review and Approval1511 Jung 22A12 Jung 2312 Alvar 2327 Jung 2312 Alvar 24981ta Works40310 Jung 22A27 Jung 2312 Coll 2227 Jung 2412 Coll 2227 Jung 2427 Jung 242	PMI 084 - Relo	cation of Hose Reel (Quotation)	35	29-May-23 A	02-Jul-23	23-Feb-23	26-Mar-23	-98			-
ter Works 403 10-Aug 22A 14-Sep 23 27-Jun 22 12-Oct 22 27-Jun 24 MC2500 LMC L1 - Ened Hoarding 254 10-Aug 22A 14-Sep 23 27-Jun 22 16-Jul 22 27-Jun 24 12-Oct 22 27-Jun	PMI084-200	PMI 084 Issued and Subletting Procedure	20	29-May-23 A	17-Jun-23	23-Feb-23	11-Mar-23	-98			
NC 250 LMC L1 - Enet Hearing 254 10 Aug 22A 20 Jun 23 27 Jun 22 16 Jul 22 274 MC 260 LMC L2 - Enet Hearing 405 10 Aug 22A 14 Sep 23 02 Jun 23 12 Oat 22 274 F 75 06 Marci 2A 13 Sep 23 06 Jun 22 12 Sep 22 140 13 MC 160 PMI 066 Trial package of foat oal system for scriftoid platform 96 06 Marci 2A 10 Jun 23 11 Aug 22 12 Aug 22 244 LMC 161 LMC GF - Enet working Platform 2 10 Jun 23 11 Aug 22 12 Aug 22 247 LMC 161 LMC GF - Enet working Platform 2 10 Jun 23 11 Sep 23 10 Jun 22 12 Aug 22 247 LMC 161 LMC GF - Enet Proping 1 13 Sep 23 12 Sep 23 12 Aug 22 247 12 LMC 14 LMC IAC FF - Enet Proping 1 13 Sep 23 12 Sep 22 12 Aug 22 247 12 LMC 14 LMC IAC FF - Enet Proping 23 29 Dec 22 A 29 Sep 23 12 Sep 22 12	PMI084-210	PMI 084 PM Review and Approval	15	18-Jun-23	02-Jul-23	12-Mar-23	26-Mar-23	-98			
MC-260 LMC L2 - Erect Hearding 405 10 - Aug-22 A 14 - Sep - 23 17 - Sep - 23 12 - Sep - 23 </td <td>te Works</td> <td></td> <td>403</td> <td>10-Aug-22 A</td> <td>14-Sep-23</td> <td>27-Jun-22</td> <td>12-Oct-22</td> <td>-274</td> <td></td> <td></td> <td></td>	te Works		403	10-Aug-22 A	14-Sep-23	27-Jun-22	12-Oct-22	-274			
F 75 064ker23A 13-Sep-23 06-ker22 12-Sep-22 -140 Iterg/thening Works 75 064ker23A 06-ker23A 02-ker24 06-ker23A 02-ker24 06-ker23A 02-ker24 06-ker23A 02-ker24 06-ker23A 02-ker24 06-ker23A 02-ker24 02-ker24 02-ker24 02-ke	MC-250	LMC L1 - Erect Hoarding	254	10-Aug-22 A	20-Jun-23	27-Jun-22	16-Jul-22	-274			
Intersphening Works 75 06 Mar 23 A 13 Sep 23 06 Jun 22 12 Sep 22 140 MC140 PM 1056 Trial package of load cell system for scatfold platform 96 06 Hanr 23 A 09 Jun 23 01 Jung 22 10 Jung 22 10 Jung 22 10 Jung 22 12 Jung 22 22 Jung 22 297 JMC155 LMC GF - Exet Working Platform 28 07 Jung 23 12 Sep 23 13 Sup 22 12 Sep 22 12 Sep 22 297 MC155 LMC GF - Exet Propping 1 13 Sep 23 12 Sep 22 12 Sep 22 12 Sep 22 297 Vel 1 + 11 (Mt (Mezzanine) 223 29 Dec 22 A 29 Sep 23 12 Sep 22 10 Jun 23 12 Sep 22	MC-260	LMC L2 - Erect Hoarding	405	10-Aug-22 A	14-Sep-23	27-Jun-22	12-Oct-22	-274			
MC149 PMI 056 Trial package of load cell system for scaffold platform 96 06-Mar-23A 09-Jun-23 03-Jug-22 10-Jug-22 303 MC154 LMC GF - Structural Steel Fabrication (affected by PMI 082) 58 07-Jun-23 15-Jug-23 06-Jun-22 12-Jug-22 244 LMC155 LMC GF - Structural Steel Fabrication (affected by PMI 082) 58 07-Jun-23 12-Sep-23 13-Jug-22 09-Sep-22 297 LMC155 LMC GF - Structural Steel Fabrication (affected by PMI 082) 1 13-Sep-23 12-Sep-22 12-Sep-22 12-Sep-22 12-Sep-22 297 LMC160 LMC GF - Structural Steel Fabrication (affected by PMI 082) 223 29-Dec-22 A 29-Sep-23 12-Sep-22 12-Sep-22 12-Sep-22 210 Vert 1 - MUCLAT Structura Opening tor EAM Oversion (2 no.s) 6 01-Jun-23 12-Sep-22 12-	F		75	06-Mar-23 A	13-Sep-23	06-Jun-22	12-Sep-22	-140			
LMC 150 LMC GF - Erect working Platform 2 10-Jun-23 11-Jun-23 11-Jun-22 12-Jun-22 244 LMC 154 LMC GF - Structural Steel Fabrication (affected by PMI 082) 58 07-Jun-23 115-Aug-23 06-Jun-22 12-Aug-22 -297 LMC 156 LMC GF - Structural Steel Fabrication (affected by PMI 082) 24 16-Aug-23 13-Sep-23 13-Aug-22 09-Sep-22 297 LMC 160 LMC GF - Structural Steel Fabrication (affected by PMI 082) 23 29-Dec22A 29-Sep-23 12-Sep-22 12-Sep-22 12-Sep-22 297 LMC 161 LMC L1 - Diversion of lasky cables (by MTR contractor) 83 29-Dec22A 29-Sep-23 12-Sep-22 12-Od-22 286 LMC 275 LMC L1 - Structural Opening for EAM Diversion (2 mos.) 6 01-Jun-23' 07-Jun-23 14-Sep-22 12-Od-22 -206 LMC 277 LMC L1 - Exetion of external scaffold and platform for materials delivery into station 4 14-Sep-23 13-Sep-23 13-Sep-22 12-Od-22 -206 LMC 275 LMC L1 - Exetion of external scaffold and platform for materials delivery into station 4 14-Sep-23 13-Sep-23 13-Sep-22 12-Od-2	trengthening W	Vorks	75	06-Mar-23 A	13-Sep-23	06-Jun-22	12-Sep-22	-140			
MC154 LMC GIF - Structural Steel Fabrication (affected by PM 082) 58 07-Jun-23 15-Aug-23 06-Jun-22 12-Aug-22 09-Sep-22 297 MC155 LMC GIF - Structural Steel Fabrication (affected by PM 082) 14 16-Aug-23 112-Sep-23 13-Aug-22 09-Sep-22 297 MC160 LMC GIF - Structural Steel Fabrication (affected by PM 082) 13 13-Sep-23 12-Sep-23 12-Sep-22 12-Sep-22 12-Sep-22 29-Sep-23 12-Sep-22 12-Sep-22 12-Sep-22 20-Sep-22 290 Vel 1 + 1M (Mezzanine) Vexts 29-Dec-22A 29-Sep-23 12-Sep-22 12-Sep-22 12-Sep-22 20-Sep-22 <	_MC-149	PMI 056 Trial package of load cell system for scaffold platform	96	06-Mar-23 A	09-Jun-23	03-Aug-22	10-Aug-22	-303			
LMC GF - Strengthening with Facade A&A Works 24 16-Aug-23 12-Sep-23 13-Aug-22 09-Sep-22 297 LMC 160 LMC GF - Erect Propping 1 13-Sep-23 13-Sep-23 12-Sep-22 12-Sep-22 12-Sep-22 297 1 trengthening Works 223 29-Dec-22A 29-Sep-23 12-Sep-22 12-Sep-22 12-Sep-22 12-Sep-22 12-Sep-22 20-Sep-22 12-Sep-22 12-Sep-22 20-Sep-22 20-Sep-23 12-Sep-22 12-Sep-22 20-Sep-22 12-Sep-22 12-Sep-22 </td <td>_MC-150</td> <td>LMC G/F - Erect working Platform</td> <td>2</td> <td>10-Jun-23</td> <td>12-Jun-23</td> <td>11-Aug-22</td> <td>12-Aug-22</td> <td>-244</td> <td></td> <td></td> <td></td>	_MC-150	LMC G/F - Erect working Platform	2	10-Jun-23	12-Jun-23	11-Aug-22	12-Aug-22	-244			
MC-160 LMC G/F - Erect Propping 1 13-Sep-23 13-Sep-23 12-Sep-22 12-Sep-22 29.7 vel 1 + 111 (Mezzanine) 223 29-Dec-22A 29-Sep-23 12-Sep-22 12-Sep-22 20-1	_MC-154	LMC G/F - Structural Steel Fabrication (affected by PMI 082)	58	07-Jun-23	15-Aug-23	06-Jun-22	12-Aug-22	-297			
well + 1M (Mezzanine) 223 29-Dec-22 A 29-Sep-23 12-Sep-22 01-Jun-23 -101 trengthening Vorks 223 29-Dec-22 A 29-Sep-23 12-Sep-22 12-Sep-22 29-Dec-22 29-Dec-22 A 01-Jun-23 12-Sep-22 12-Sep-22 20-Sep-22 20-Sep-22 </td <td></td> <td>5 5</td> <td>24</td> <td></td> <td>· ·</td> <td><u> </u></td> <td>-</td> <td>-297</td> <td></td> <td></td> <td></td>		5 5	24		· ·	<u> </u>	-	-297			
Tengthening Vorks 223 29-Dec-22 A 29-Sep-23 12-Sep-22 12-Oct-22 -287 LMC 275 LMC L1 - Diversion of leaky cables (by MTR contractor) 83 29-Dec-22 A 01-Jun-23 12-Sep-22 12-Sep-22 20-Sep-22 -210 LMC 276 LMC L1 - Structural Opening for E&M Diversion (2 nos.) 6 01-Jun-23' 07-Jun-23 14-Sep-22 20-Sep-22 -208 LMC 277 LMC L1 - E&M Diversion near wall opening for E&M Diversion (2 nos.) 6 01-Jun-23' 14-Sep-22 12-Sep-22 12-Oct-22 -208 LMC 277 LMC L1 - E&M Diversion near wall opening required) 17 08-Jun-23 28-Jun-23 21-Sep-22 12-Oct-22 -287 LMC 280 LMC L1 - Removal works for Louvres 10 19-Sep-23 29-Sep-23 13-Sep-22 12-Oct-22 -287 LMC 380 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 8 08-Jun-23 16-Jun-23 11-Jun-23 01-Jun-23 01-Jun-23 27-Mar-23 01-Jun-23 69 - LMC 375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3								-297			
MC275 LMC L1 - Diversion of leaky cables (by MTR contractor) 83 29-Dec-22 A 01-Jun-23 12-Sep-22 210 MC276 LMC L1 - Structural Opening for E&M Diversion (2 nos.) 6 01-Jun-23* 07-Jun-23 14-Sep-22 20-Sep-22 208 MC277 LMC L1 - Exdt Diversion near wall opening (CHWP - hole openings required) 17 08-Jun-23 28-Jun-23 21-Sep-22 12-Cdt-22 208 MC279 LMC L1 - Erection of external scaffold and platform for materials delivery into station 4 114-Sep-23 18-Sep-23 13-Sep-22 12-Cdt-22 208 MC270 LMC L1 - Removal works for Louvres 10 19-Sep-23 29-Sep-22 12-Cdt-22 208 MC280 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 8 08-Jun-23 30-Aug-23 11-Mar-23 01-Jun-23 75 MC376 PM 084 Relocation of Fire Reel 51 03-Jul-23 30-Aug-23 21-Mar-23 24-Mar-23 69 MC375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 MC2475 LMC L1 - Structural Opening for E&M Diversion (1 nos.)	evel 1 + 1M (Me	ezzanine)	223	29-Dec-22 A	29-Sep-23	12-Sep-22	01-Jun-23	-101			
MC-276 LMC L1 - Structural Opening for E&M Diversion (2 nos.) 6 01-Jun-23* 07-Jun-23 14-Sep-22 20-Sep-22 -208 MC-277 LMC L1 - E&M Diversion near wall opening (CHWP - hole openings required) 17 08-Jun-23 28-Jun-23 21-Sep-22 12-Oct-22 208 MC-279 LMC L1 - Erection of external scaffold and platform for materials delivery into station 4 14-Sep-23 18-Sep-23 13-Sep-22 16-Sep-22 -297 MC-280 LMC L1 - Removal works for Louvres 10 19-Sep-23 29-Sep-23 29-Sep-22 29-Sep-22 21-Mar-23 01-Jun-23 75 MC-276 PMI 084 Relocation of Fire Reel 51 03-Jul-23 30-Aug-23 21-Mar-23 01-Jun-23 75 MC-376 PMI 084 Relocation of Fire Reel 51 03-Jul-23 20-Jun-23 21-Mar-23 69 MC-375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 MC-274 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 15-Aug-22 20-Mar-23 16 MC-244 LMC						•					
LMC L1 - E&M Diversion near wall opening (CHWP - hole openings required) 17 08-Jun-23 28-Jun-23 21-Sep-22 12-Oct 22 -208 LMC L1 - Erection of external scaffold and platform for materials delivery into station 4 14-Sep-23 18-Sep-23 29-Sep-22 12-Oct 22 -287 LMC 280 LMC L1 - Erection of external scaffold and platform for materials delivery into station 4 14-Sep-23 29-Sep-23 29-Sep-22 12-Oct 22 -287 LMC 280 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 70 08-Jun-23 30-Aug-23 11-Mar-23 21-Mar-23 69 LMC 376 PMI 084 Relocation of Fire Reel 51 03-Jul-23 30-Aug-23 21-Mar-23 24-Mar-23 69 LMC 375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 LMC 24 2 4M (Mezzanine) 296 29-Dec-22A 29-Dec-23 15-Aug-22 24-Mar-23 69 LMC 24 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 LMC 241 LMC L1 - Structural Opening for E&M Diversio						· ·	· ·				_
MC 279 LMC L1 - Erection of external scatifold and platform for materials delivery into station 4 14-Sep-23 18-Sep-23 13-Sep-22 16-Sep-22 -297 1 MC 280 LMC L1 - Removal works for Louvres 10 19-Sep-23 29-Sep-23 29-Sep-22 12-Oct-22 -287 2 MC 385 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 8 08-Jun-23 16-Jun-23 11-Mar-23 21-Mar-23 69 69 MC 376 PMI 084 Relocation of Fire Reel 51 03-Jul-23 20-Jun-23 21-Mar-23 01-Jun-23 75 MC 375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 8 08-Jun-23 20-Jun-23 21-Mar-23 69 69 MC 375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 69 69 MC 244 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 15-Aug-22 20-Mar/23 183 69 69 69 69 69 69 69 69 69 60 60 60 60 60 60 60 <td></td> <td></td> <td></td> <td></td> <td></td> <td>· ·</td> <td>· ·</td> <td>_</td> <td></td> <td></td> <td></td>						· ·	· ·	_			
LMC L1 - Removal works for Louvres 10 19-Sep-23 29-Sep-23 29-Sep-22 12-Oct 22 -287 xisting Block Wall Demolition 70 08-Jun-23 30-Aug-23 11-Mar-23 01-Jun-23 -75 LMC 358 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 8 08-Jun-23 16-Jun-23 11-Mar-23 21-Mar-23 69 LMC 376 PMI 084 Relocation of Fire Reel 51 03-Jul-23 30-Aug-23 21-Mar-23 01-Jun-23 -75 ew Mezzanine Foor and Blockwall 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 LMC 375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 MC 375 LMC L1 - Diversion of leaky cables (by MTR contractor) 3 17-Jun-23 20-Jun-23 15-Aug-22 20-May-23 169 MC 242 LMC L1 - Diversion of leaky cables (by MTR contractor) 29 29-Dec-22 A 29-Dec-23 15-Aug-22 12-Oct-22 283 MC 245 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 3 30-May-23 A 01-Jun-23 15-Aug-22 <td></td> <td></td> <td></td> <td></td> <td></td> <td>· ·</td> <td></td> <td></td> <td>·</td> <td></td> <td></td>						· ·			·		
xisting Block Wall Demolition 70 08-Jun-23 30-Aug-23 11-Mar-23 01-Jun-23 -75 LMC-358 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 8 08-Jun-23 16-Jun-23 11-Mar-23 21-Mar-23 69 LMC-376 PMI 084 Relocation of Fire Reel 51 03-Jul-23 30-Aug-23 27-Mar-23 01-Jun-23 -75 ew Mezzanine Foor and Blockwall 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 LMC-375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 LMC-375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 LMC-375 LMC L1 - Diversion of leaky cables (by MTR contractor) 296 29-Dec-22 A 29-Dec-23 15-Aug-22 20-May-23 183 LMC-244 LMC L1 - Diversion of leaky cables (by MTR contractor) 94 29-Dec-22 A 28-Jul-23 15-Aug-22 12-Oct-22 -283 LMC-255 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 3 30				•	· ·	· ·	· ·		·		
MC-358 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 8 08-Jun-23 16-Jun-23 11-Mar-23 21-Mar-23 69 MC-376 PMI 084 Relocation of Fire Reel 51 0.3-Jul-23 30-Aug-23 27-Mar-23 0.1-Jun-23 7.75 ew Mezzanine Foor and Blockwall 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 LMC-375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 vel 2 + 2M (Mezzanine) 296 29-Dec-22 A 29-Dec-23 15-Aug-22 20-Mar-23 183 LMC-244 LMC L1 - Diversion of leaky cables (by MTR contractor) 94 29-Dec-22 A 28-Jul-23 15-Aug-22 12-Oct-22 284 LMC-245 LMC L1 - Diversion of leaky cables (by MTR contractor) 94 29-Dec-22 A 28-Jul-23 15-Aug-22 12-Oct-22 283 LMC-25 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 3 30-May-23 A 01-Jun-23 27-Aug-22 22-Aug-22 222 LMC-265 LMC L2 - E&M Diversion near wall opening (PCU-186 & PCU-187 - hole openings required) 3				•	· ·	· ·			·		
MC-376 PMI 084 Relocation of Fire Reel 51 03Jul-23 30-Aug-23 27-Mar-23 01-Jun-23 -75 ew Mezzanire Floor and Blockwall 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 MC-375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 vel 2 + 2M (Mezzanire) 296 29-Dec-22 A 29-Dec-23 15-Aug-22 20-May-23 -183 trengthening Verks 224 29-Dec-22 A 03-Oct-23 15-Aug-22 12-Oct-22 -288 MC-244 LMC L1 - Diversion of leaky cables (by MTR contractor) 94 29-Dec-22 A 28-Jul-23 15-Aug-22 12-Oct-22 -233 MC-245 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 3 30-May-23 01-Jun-23 27-Aug-22 27-Aug-22 -222 -222 MC-265 LMC L2 - E&M Diversion near wall opening (PCU-186 & PCU-187 - hole openings required) 28 12-Jun-23 15-Jul-23 07-Sep-22 12-Oct-22 -222 -222 MC-269 LMC L2 - Exection of external scaffold and platform for materials delivery into station									·		
ew Mezzanine Floor and Blockwall 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 MC-375 LMC L1 - Structural Opening for E&M Diversion (1 nos.) 3 17-Jun-23 20-Jun-23 21-Mar-23 24-Mar-23 69 vel 2 + 2M (Mezzanine) 296 29-Dec-22 A 29-Dec-23 15-Aug-22 20-May-23 -183 irrengthening Works 224 29-Dec-22 A 03-Oct-23 15-Aug-22 12-Oct-22 -288 MC-244 LMC L1 - Diversion of leaky cables (by MTR contractor) 94 29-Dec-22 A 28-Jul-23 15-Aug-22 12-Oct-22 -283 MC-245 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 3 30-May-23 A 01-Jun-23 27-Aug-22 27-Aug-22 -222 - MC-265 LMC L2 - E&M Diversion near wall opening (PCU-186 & PCU-187 - hole openings required) 28 12-Jun-23 15-Jul-23 07-Sep-22 12-Oct-22 -222 - MC-269 LMC L2 - Exection of external scaffold and platform for materials delivery into station 3 28-Sep-23 03-Oct-23 27-Sep-22 29-Sep-22 </td <td></td>											
MC-375LMC L1 - Structural Opening for E&M Diversion (1 nos.)3 $17 Jun-23$ $20 Jun-23$ $21 - Mar-23$ $24 - Mar-23$ -69 vel 2 + 2M (Mezanine)296 $29 - Dec-22 A$ $29 - Dec-23$ $15 - Aug-22$ $20 - May-23$ -183 Irrengthening Works224 $29 - Dec-22 A$ $03 - Oct-23$ $15 - Aug-22$ $12 - Oct-22$ -288 MC-244LMC L1 - Diversion of leaky cables (by MTR contractor)94 $29 - Dec-22 A$ $28 - Jul-23$ $15 - Aug-22$ $12 - Oct-22$ -283 MC-245LMC L1 - Structural Opening for E&M Diversion (4 nos.)3 $30 - May-23 A$ $01 - Jun-23$ $27 - Aug-22$ $27 - Aug-22$ -222 MC-265LMC L2 - E&M Diversion near wall opening (PCU-186 & PCU-187 - hole openings required)28 $12 - Jun-23$ $03 - Oct-23$ $27 - Sep-22$ $29 - Sep-22$ -297 MC-269LMC L2 - Erection of external scaffold and platform for materials delivery into station3 $28 - Sep-23$ $03 - Oct-23$ $27 - Sep-22$ $29 - Sep-22$ -297 MC-450LMC L2 - Structural Opening for E&M Diversion (2 nos.)5 $21 - Jun-23$ $27 - Jun-23$ $24 - Mar-23$ $30 - Mar-23$ 69					-						
vel 2 + 2M (Mezzanine)29629-Dec-22 A29-Dec-2315-Aug-2220-May-23-183trengthening Works22429-Dec-22 A03-Oct-2315-Aug-2212-Oct-22-288MC-244LMC L1 - Diversion of leaky cables (by MTR contractor)9429-Dec-22 A28-Jul-2315-Aug-2212-Oct-22-233MC-245LMC L1 - Structural Opening for E&M Diversion (4 nos.)330-May-23 A01-Jun-2327-Aug-2227-Aug-22-222-222MC-265LMC L2 - E&M Diversion near wall opening (PCU-186 & PCU-187 - hole openings required)2812-Jun-2315-Jul-2307-Sep-2212-Oct-22-222-222MC-269LMC L2 - Erection of external scaffold and platform for materials delivery into station328-Sep-2303-Oct-2327-Sep-2229-Sep-22-297-221MC-450LMC L2 - Structural Opening for E&M Diversion (2 nos.)15821-Jun-2327-Jun-2324-Mar-2330-Mar-2369											
trengthening Works22429-Dec-22 A03-Oct-2315-Aug-2212-Oct-22-288LMC-244LMC L1 - Diversion of leaky cables (by MTR contractor)9429-Dec-22 A28-Jul-2315-Aug-2212-Oct-22-233LMC-245LMC L1 - Structural Opening for E&M Diversion (4 nos.)330-May-23 A01-Jun-2327-Aug-2227-Aug-22-222-222LMC-265LMC L2 - E&M Diversion near wall opening (PCU-186 & PCU-187 - hole openings required)2812-Jun-2315-Jul-2307-Sep-2212-Oct-22-222-222LMC-269LMC L2 - Erection of external scaffold and platform for materials delivery into station328-Sep-2303-Oct-2327-Sep-2229-Sep-22-297-297xisting Block Wall DemolitionLMC L2 - Structural Opening for E&M Diversion (2 nos.)15821-Jun-2327-Jun-2324-Mar-2330-Mar-23-69-											
LMC-244 LMC L1 - Diversion of leaky cables (by MTR contractor) 94 29-Dec-22 A 28-Jul-23 15-Aug-22 12-Oct-22 -233 LMC-245 LMC L1 - Structural Opening for E&M Diversion (4 nos.) 3 30-May-23 A 01-Jun-23 27-Aug-22 27-Aug-22 -222 -222 LMC-265 LMC L2 - E&M Diversion near wall opening (PCU-186 & PCU-187 - hole openings required) 28 12-Jun-23 15-Jul-23 07-Sep-22 12-Oct-22 -223 -224 -234 -234	· · ·					-	-				
LMC-245LMC L1 - Structural Opening for E&M Diversion (4 nos.)330-May-23 A01-Jun-2327-Aug-2227-Aug-22-222-222LMC-265LMC L2 - E&M Diversion near wall opening (PCU-186 & PCU-187 - hole openings required)2812-Jun-2315-Jul-2307-Sep-2212-Oct-22-222-222LMC-269LMC L2 - Erection of external scaffold and platform for materials delivery into station328-Sep-2303-Oct-2327-Sep-2229-Sep-22-297xisting Block Wall Demolition15821-Jun-2329-Dec-2327-Jan-2320-May-23-183LMC-450LMC L2 - Structural Opening for E&M Diversion (2 nos.)521-Jun-2327-Jun-2324-Mar-2330-Mar-23-69									·		
LMC-265LMC L2 - E&M Diversion near wall opening (PCU-186 & PCU-187 - hole openings required)2812-Jun-2315-Jul-2307-Sep-2212-Oct-22-222LMC-269LMC L2 - Erection of external scaffold and platform for materials delivery into station328-Sep-2303-Oct-2327-Sep-2229-Sep-22-297xisting Block Wall Demolition15821-Jun-2329-Dec-2327-Jan-2320-May-23-183LMC-450LMC L2 - Structural Opening for E&M Diversion (2 nos.)521-Jun-2327-Jun-2324-Mar-2330-Mar-23-69						-		_			
LMC-269 LMC L2 - Erection of external scaffold and platform for materials delivery into station 3 28-Sep-23 03-Oct-23 27-Sep-22 29-Sep-22 -297 xisting Block Wall Demolition 158 21-Jun-23 29-Dec-23 27-Jan-23 20-May-23 -183 LMC-450 LMC L2 - Structural Opening for E&M Diversion (2 nos.) 5 21-Jun-23 27-Jun-23 24-Mar-23 30-Mar-23 -69						<u> </u>	-				
xisting Block Wall Demolition 158 21-Jun-23 29-Dec-23 27-Jan-23 20-May-23 -183 LMC-450 LMC L2 - Structural Opening for E&M Diversion (2 nos.) 5 21-Jun-23 27-Jun-23 24-Mar-23 30-Mar-23 -69						· ·	1				
LMC-450 LMC L2 - Structural Opening for E&M Diversion (2 nos.) 5 21-Jun-23 27-Jun-23 24-Mar-23 30-Mar-23 -69		· · ·		•		· ·	•				
-INC-490 FIVE 032 OLIUGUIAL OPENING IOLEANY LIVEISION (2 105.) 6 28-JUN-23 05-JUN-23 30-Mar-23 11-Apr-23 -69								_			
		rivii 032 Structural Opening for Ealvi Diversion (2 nos.)	6	28-JUN-23	UD-JUI-23	30-Mar-23	11-Apr-23	-69			
Paul Y Remaining Level of Effort + Milesto Contract YL/2021/01 - Lok Ma Chau Loop	.1010-490										

Critical Remaining Work

Paul Y. – Chun Wo – CRCC JV

	June					luly					August				September	r
04	32 11	18	25	02	09	33 16	23		30	06	34 13	20	27		35 03 10	17 24
							Comment from	ו MT							ning works strenthehing works	
	, 						1 			1030011115SIUF						shop drawings subr
							· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·			
										P	reparation & s	hmission	of Design Dra	wings for A	NWF Works	
	 	 	 												sign Drawings for Al	3WF Works
	·		/				<u>1</u> 1 									Comment from MTR
							; ; ;									
	, 		, ,												Preparation &	submission of mater
			,				; ; ; ; ;									
	, , , ,	· · ·	, , , ,				· · · · · · · · · · · · · · · · · · ·									
							+ + + !					 				
roual from N		to an Desain F		Hoarding Erectior			; ;									
		S OIT Desgill L			(Slaye 2)		· · · · · · · · · · · · · · · · · · ·									
proval from	MTR and Othe	r on method	statement fo	r Hoarding Erecti	ion (Stage 2)		; , , , , , ,						· · · · · · · · · · · · · · · · · · ·		·	
	L		/ 				1 				- L 		· ¹			
														!		- 4 4
pare. Submi	t. & Approval f	or Modification	Works at E	xisting Spur Line	PTI		 									
hod Stateme	ent Prepare, S	ubmit, & Appı		ible Deck Footbrid			i				· · · · · · · · · · · · · · · · · · ·					
	l		Meth	hod Statement P	repare, Subn	hit, & Approval	for Double De	ck F	ootbridge	ELS Works						
	: ;		 										·		·	
	,						· · · · · · · · · · · · · · · · · · ·				·		Submission of	FSI 314		
	·	·····	·			·	·			·	- <u>-</u>				·	Safe
							Training fo	r Fire	e Marshal	by Employer	·					
056 PM Re	view and Appr	oval	/ 				1 				- L	L	· ¹		·	
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·									
1 057 PM Re	view and Appr	oval					 									
	, 	PMI 078 Issue	d and Suble	etting Procedure			· · · · · · · · · · · · · · · · · · ·					 				
				P	PMI 078 PM F	eview and Ap	proval									
			d and Subk	atting Procedure												
	; ;			etting Procedure	PMI 082 PM F	eview and Ap	proval									
	 					 	+ + + 1 1 1 1 1 1 1 1 1 1 1 1 1				- •		·			
			, ,				; ;									
		PMI 084 Iss	ued and Sul	bletting Procedur	e		· · · · · · · · · · · · · · · · · · ·					 				
					M Review and	Approval	; , , , , ,								·	
	, , ,						¦									
			I - Erect Hoa	arding			, , , , , , , , , , , , , , , , , , ,				, , , ,	 				MC L2 - Erect Hoard
	L 		/ 				1 1 1 1 1				- L	L	· ^L		·	
<u> </u>							** ! !									
		eackage of loa		m for scaffold pla	tform		; ;									
											LMC G	/F - Structu	iral Steel Fabi	ication (af	fected by PMI 082)	
															LMC	G/F - Strengthening
	, , , ,	 	 									 			I LM0	C G/F - Erect Proppir
	, , ,	, , , ,	 									 				
L1 - Diversio	n of leaky cat	les (by MTR c	ontractor)										·			
LMC	L1 - Structura	Opening for I					· · · · · · · · · · · · · · · · · · ·									
	, 		LM	CL1 - E&M Diver	rsion near wa	l opening (CH	WP - hole ope	ning	s require	9) 						LMC L1 - Erec
	 	 	 									 !				
							1 				- <u>-</u>		····			
	L	MC L1 - Struc	tural Openin	g for E&M Divers	ion (4 nos.)										leastion of Fire Dee	
							,							IVII (184 Re	location of Fire Ree	
			I - Structural	Opening for E&I	M Diversion (nos.)										
	i L		i !					MC	L1 - Diver	ion of leaky o	ables (by MTF	contracto	r)		·	
L1 - Structu	ral Opening fo	r E&M Diversio	on (4 nos.)				Ll									
						LMC L2 - E&	M Diversion ne	ar w	all openir	g (PCU-186 8	& PCU-187 - h	ple opening	gs required)		·	
	ı ı ı		 				, , , , , , , , , , , , , , , , , , ,				, , ,	 				
	 		LMC	L2 - Structural O	pening for E8	M Diversion (2	nos.)				- - - - - -					
				PMI 0	32 Structural	Opening for E	&M Diversion (2 nc	os.)							
													Three Mor	th Rolling	Programme	
ks Pack	age 1 - 0	Contract	3			D : YLC3-UF YL202101 C	PD16-230621 3 02 MPR App	p B-	3MRP		Date		Revisi		Checked	Approved
amme	9					1-May-23 / P					31-May-23	MF	PR No. 16			
					1						I					

D	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float			
LMC-497	PMI 057 Structural Opening for E&M Diversion (1 nos.)	3	06-Jul-23	08-Jul-23	21-Apr-23	25-Apr-23	-60	21	28	<mark>۴</mark>
	PMI 037 Stituctural Opening for Early Diversion (Thos.) PMI 083 Additional MCB Board at C2E	92	08-Sep-23	29-Dec-23	27-Jan-23	20-May-23	-183			
	: Transport Interchange (EPTI)	170	05-Sep-22 A	23-Nov-23	04-Apr-22	21-Jun-23	-60			
e-works		50	04-Feb-23 A	01-Jun-23	02-May-22	03-Feb-23	-118			
MI and CE		50	04-Feb-23 A	01-Jun-23	02-May-22	03-Feb-23	-118			
	14 and PMI 037) - Diversion of Watermains at Emergency Evacuation Assembly Area of L	42	04-Feb-23 A	01-Jun-23	03-Feb-23	03-Feb-23	-118			
	CE 034 PM Review and Approval	42	04-Feb-23 A	01-Jun-23	03-Feb-23	03-Feb-23	-118			
	036 (PMI 041 and PMI 046) - Drainage Diversion at EPTI B10	17	27-Feb-23 A	01-Jun-23	02-May-22	02-May-22	-395			
	CE 035 and CE 036 PM Review and Approval	17	27-Feb-23 A	01-Jun-23	02-May-22	02-May-22	-395			
PTI - TTA Stag		18	05-Sep-22 A	03-Jun-23	29-Apr-22	30-Apr-22	-322			1
EPTI - Area A (G	arid A-C)	18	05-Sep-22 A	03-Jun-23	29-Apr-22	30-Apr-22	-322			-
EPTI-4800	Area A (Grid A-B, TTA Stage 1) Pre-drilling (9nrs @ 4d/nr/rig, 2 rigs)	18	05-Sep-22 A	03-Jun-23	29-Apr-22	30-Apr-22	-322			1
PTI - TTA Stag	je 2	88	02-Jun-23	14-Sep-23	25-Apr-22	24-Apr-23	-119			1
EPTI-5765	Stage 2 UU Diversion for Watermain (MTR) (D8, E 8-9) - CE034	78	14-Jun-23	14-Sep-23	14-Jan-23	24-Apr-23	-119			
EPTI-5770	Stage 2 UU Diversion for Drainage (Grid B10, B10A, A10, A10A) - CE035 & CE036	47	02-Jun-23*	28-Jul-23	25-Apr-22	21-Jun-22	-326			
EPTI-5775	Area A (Grid A-B, TTA Stage 2) Pre-drilling (2nrs @ 4d/nr/rig, 2 rigs)	8	29-Jul-23	07-Aug-23	22-Jun-22	30-Jun-22	-326			1
PTI - TTA Stag	je 3	80	02-May-23 A	23-Nov-23	04-Apr-22	21-Jun-23	-60		1	
itage 3		47	02-May-23 A	30-Aug-23	04-Apr-22	24-Apr-23	-50			
Area A - Piling		47	02-May-23 A	30-Aug-23	03-May-22	24-Apr-23	-50			
EPTI-4875	Area A (Grid A-C, TTA Stage 3) Bored Pile (B8) 1nr @ ave 15d/nr/rig, 1 rig (Affected by CE0.	15	02-May-23 A	18-May-23 A	03-May-22	03-May-22				
EPTI-4878	Area A (Grid A-C, TTA Stage 3) Bored Pile (A1) 1nr @ ave 15d/nr/rig, 1 rig	15	10-May-23 A	23-May-23 A	03-May-22	03-May-22				
EPTI-4880	Area A (Grid A-C, TTA Stage 3) Bored Pile (A9) 1nr @ ave 15d/nr/rig, 1 rig (Affected by CE0.	15	05-Jun-23	21-Jun-23	03-May-22	20-May-22	-322			
EPTI-4881	Area A (Grid A-C, TTA Stage 3) Bored Pile (B7) 1nr @ ave 15d/nr/rig, 1 rig	15	13-Jun-23	30-Jun-23	12-May-22	28-May-22	-322			
EPTI-4883	Area A (Grid A-C, TTA Stage 3) Bored Pile (C8) 1nr @ ave 15d/nr/rig, 1 rig (Affected by CE02	15	21-Jun-23	10-Jul-23	20-May-22	07-Jun-22	-322			
EPTI-4898	CE024 (PMI 041, 046) Drainage Diversion (60cd EOT)	60	02-Jun-23	31-Jul-23	03-May-22	01-Jul-22	-395			
	CE 034 (PMI 037) Watermain Diversion (75cd EOT)	80	12-Jun-23*	30-Aug-23	04-Feb-23	24-Apr-23	-128			
Area C - Piling		49	04-May-23 A	03-Jul-23	04-Apr-22	30-May-22	-323			
	Area C (Grid F-G, TTA Stage 3) F2 Bored Pile 1nr @ ave 15d/nr/rig, 1 rig	15	01-Jun-23	17-Jun-23	04-Apr-22	25-Apr-22	-339			
EPTI-5164	Area C (Grid F-G, TTA Stage 3) G9 Bored Pile 1nr @ ave 15d/nr/rig, 1 rig	15	04-May-23 A	20-May-23 A	13-Apr-22	13-Apr-22				
EPTI-5167	Area C (Grid F-G, TTA Stage 3) G5 Bored Pile 1nr @ ave 15d/nr/rig, 1 rig	15	29-May-23 A	12-Jun-23	03-May-22	05-May-22	-326			4
EPTI-5168	Area C (Grid F-G, TTA Stage 3) G3 Bored Pile 1nr @ ave 15d/nr/rig, 1 rig	15	14-Jun-23	03-Jul-23	07-May-22	25-May-22	-326			
EPTI-5170	Area C (Grid F-G, TTA Stage 3) G6 Bored Pile 1nr @ ave 15d/nr/rig, 1 rig	15	29-May-23 A	03-Jul-23	24-May-22	24-May-22	-326			4
	Area C (Grid F-G, TTA Stage 3) G4 Bored Pile 1nr @ ave 15d/nr/rig, 1 rig	15	13-May-23 A	31-May-23 A	30-May-22	30-May-22				I
Area C - ELS		60	12-May-23 A	15-Jul-23	13-Apr-22	07-Oct-22	-226			
	Area C (Grid F-G, TTA Stage 3) (F-G, L7-10) ELS	30	09-Jun-23	15-Jul-23	13-Apr-22	23-May-22	-339			
	Area C (Grid F-G, TTA Stage 3) (F-G, L1-5) ELS	60	12-May-23 A	14-Jul-23	24-Aug-22	07-Oct-22	-225			
tage 3a		146	01-Jun-23	23-Nov-23	04-Apr-22	21-Jun-23	-128			
		146	01-Jun-23	23-Nov-23	04-Apr-22	21-Jun-23	-128			
EPTI-4872	Area C (Grid F-G, TTA Stage 3) G1 Bored Pile 1nr @ ave 15d/nr/rig, 1 rig	15	23-Jun-23	11-Jul-23	17-May-22	02-Jun-22	-326			
	Area C (Grid F-G, TTA Stage 3) G2 Bored Pile 1nr @ ave 15d/nr/rig, 1 rig	15	03-Jul-23	19-Jul-23	30-May-22	16-Jun-22	-322			
	Area C (Grid F-G, TTA Stage 3) Pile Testing	60	01-Jun-23	11-Aug-23	04-Apr-22	20-Jun-22	-339			
EPTI-4884	Area A (Grid A-C, TTA Stage 3) Bored Pile (C7) 1nr @ ave 15d/nr/rig, 1 rig (Affected by CE0/	15	30-Jun-23	18-Jul-23	28-May-22	15-Jun-22	-322			
EPTI-4885	Area A (Grid A-C, TTA Stage 3) Bored Pile (C6) 1nr @ ave 15d/nr/rig, 1 rig (Affected by CEO)	15	10-Jul-23	26-Jul-23	07-Jun-22	23-Jun-22	-322			
EPTI-4890	Area A (Grid A-C, TTA Stage 3) Bored Pile (C9) 1nr @ ave 15d/nr/rig, 1 rig (Affected by CE0/	15	18-Jul-23	03-Aug-23	15-Jun-22	02-Jul-22	-322			
EPTI-4895 EPTI-4899	Area A (Grid A-C, TTA Stage 2) Bored Pile (A10) 1nr @ ave 15d/nr/rig, 1 rig	15	29-Jul-23	15-Aug-23	23-Jun-22	11-Jul-22 19-Jul-22	-325			
EPTI-4899 EPTI-4900	Area A (Grid A-C, TTA Stage 3) Bored Pile (B10A) 1nrs @ ave 15d/nr/rig, 1 rig (Affect. by CE Area A (Grid A-C, TTA Stage 3) Bored Pile (D10) 1nr @ ave 15d/nr/rig, 1 rig	15	08-Aug-23	24-Aug-23	02-Jul-22	27-Jul-22	-326			
EPTI-4900 EPTI-4910	Area A (Grid A-C, TTA Stage 3) Bored Pile (DT0) Thr @ ave 150/ni/ng, Trig Area A (Grid A-C, TTA Stage 3) Bored Pile (A10A) 1nrs @ ave 15d/nr/rig, 1 rig	15 15	16-Aug-23 24-Aug-23	01-Sep-23 09-Sep-23	11-Jul-22 19-Jul-22	04-Aug-22	-326			
EPTI-4920	Area B (Grid C-F, TTA Stage 3) Bored Pile (E9a) 1nr @ ave 15d/nr/rig, 1 rig	9	01-Sep-23	11-Sep-23	24-Sep-22	06-Oct-22	-276			•••••
	Area A (Grid A-C, TTA Stage 3) Bored Pile (B10) 1nrs @ ave 15d/nr/rig, 1 rig (Affect. by CE0	15	09-Sep-23	26-Sep-23	05-Oct-22	21-Oct-22	-276			•
	Area B (Grid C-F, TTA Stage 3) Bored Pile (E10) 1nr @ ave 15d/nr/rig, 1 rig	15	18-Sep-23	06-Oct-23	17-Apr-23	04-May-23	-128			• • •
	Area B (Grid C-F, TTA Stage 3) Bored Pile (E10) Thi @ ave 150/m/ng, 1 rig (Affected by CE0.	15	26-Sep-23	14-Oct-23	25-Apr-23	12-May-23	-128			•
			•		· ·	-				•
EPTI-4950a	Area A (Grid A-C, TTA Stage 3) Pile Testing	60 40	12-Sep-23	23-Nov-23	11-Apr-23 21-Jun-22	21-Jun-23	-128			-
	Area C (Grid F-G, TTA Stage 3) (F-G, L5-7) ELS	40	12-Aug-23 12-Aug-23	27-Sep-23 27-Sep-23	21-Jun-22 21-Jun-22	06-Aug-22 06-Aug-22	-339			-
	ap & Tie Beam	40 21	12-Aug-23	09-Aug-23	21-Jun-22 17-Nov-22	10-Dec-22	-339			•
	ap & Tie Beam Area C (Grid F-G, TTA Stage 3) (F-G, L7-10) Pile Cap & Tie Beam	21	17-Jul-23	09-Aug-23	17-Nov-22 17-Nov-22	10-Dec-22	-192			•
	Area C (Gild F-G, TIA Stage 3) (F-G, L7-10) Pile Cap & Tie Beam	42	10-Aug-23	27-Sep-23	17-100-22 12-Dec-22	06-Feb-23	-192			-
	Area C (Grid F-G, TTA Stage 3) (F-G, L8-10) Columns (6nrs) & Beams	42	10-Aug-23	27-Sep-23 27-Sep-23	12-Dec-22	06-Feb-23	-192			-
Area A- ELS		42	05-Jul-23	27-Sep-23	12-Dec-22	06-Feb-23	-192			•
	Area A (Grid A-C, TTA Stage 3) (A1-A4) ELS	40	05-Jul-23	19-Aug-23	12-May-22	28-Jun-22	-339			-
	Area A (Grid A-C, TTA Stage 3) (A1-A4) ELS Area A (Grid A-C, TTA Stage 3) (B1-B4) ELS	40	05-Jul-23	19-Aug-23	12-May-22	28-Jun-22	-339			-
EPTI-4965 EPTI-4968	Area A (Grid A-C, TTA Stage 3) (B1-B4) ELS Area A (Grid A-C, TTA Stage 3) (A-B, 4-6) ELS	40	03-Aug-23	18-Sep-23	11-Jun-22	28-Jul-22	-339			-
EPTI-4968 EPTI-5090	Area A (Grid A-C, TTA Stage 3) (A-B, 4-6) ELS Area A (Grid A-C, TTA Stage 3) (C6-C9, D10) ELS	40	03-Aug-23 02-Sep-23	20-Oct-23	03-Oct-22	18-Nov-22	-339			-
EPTI-5090	Area A (Grid A-C, TTA Stage 3) (A6-A10) ELS	40	26-Sep-23	14-Nov-23	05-Aug-22	21-Sep-22	-339			-
	Area A (Grid A-C, TTA Stage 3) (A6-AT0) ELS Area A (Grid A-C, TTA Stage 3) (B6-B10) ELS	40	27-Sep-23	14-Nov-23	22-Oct-22	07-Dec-22	-276			•
	ap & Tie Beam	40	21-Aug-23	18-Oct-23	12-Jul-22	17-Jan-23	-270			-
	Area A (Grid A-C, TTA Stage 3) (A1-A4) Pile Cap and Tie beam	21	21-Aug-23	13-Sep-23	12-Jul-22	04-Aug-22	-329			-
	Area A (Grid A-C, TTA Stage 3) (B1-B4) Pile Cap and Tie beam	21	22-Sep-23	18-Oct-23	13-Aug-22	06-Sep-22	-329			1
	Area A (Grid A-C, TTA Stage 3) (A-B, 4-6) Pile Cap and Tie beam	21	19-Sep-23	14-Oct-23	21-Dec-22	17-Jan-23	-218			1
Area A - RC Co		60	30-Aug-23	10-Nov-23	07-Dec-22	22-Feb-23	-213			1
	Area C (Grid F-G, TTA Stage 3) (F-G, L1-10) TTA Application	60	30-Aug-23	10-Nov-23	07-Dec-22	22-Feb-23	-213			-
PTI - TTA Stage		35	28-Sep-23	10-Nov-23	09-Jan-23	22-Feb-23	-213			1
Stage 3b - Area		35	28-Sep-23	10-Nov-23	09-Jan-23	22-Feb-23	-213			1
•	Cap & Tie Beam	35	28-Sep-23	10-Nov-23	09-Jan-23	22-Feb-23	-213			1
	Area C (Grid F-G, TTA Stage 3) (F-G, L1-5) Pile Cap & Tie Beam	35	28-Sep-23	10-Nov-23	09-Jan-23	22-Feb-23	-213			-
uble Deck Fo		116	25-May-23 A	12-Oct-23	14-Jun-22	26-Aug-26	848			-
DF - Stage 2		116	25-May-23 A	12-Oct-23	14-Jun-22	26-Aug-26	848			•
	iling Works		25-May-23 A	12-Oct-23	14-Jun-22		848			•
DF - Stage 2 P		116	,			26-Aug-26				.
	Stage 2 - Piling Works for BP4 (1nr @ approx 45m, 1rig)	17	25-May-23 A	15-Jun-23 10-Jul-23	14-Jun-22	27-Jun-22	-286			.
	Stone O. Dilling Works for DDC (true C) and the total			10-10-23	28-Jun-22	20-Jul-22	-286	i	1	1
DDF-1056	Stage 2 - Piling Works for BP6 (1nr @ approx 45m, 1rig)	19	16-Jun-23			10.2				- 1
DDF-1056 DDF-1057	Stage 2 - Piling Works for BP6 (1nr @ approx 45m, 1rig) Stage 2 - Piling Works for BP3 (1nr @ approx 45m, 1rig) Stage 2 - Piling Works for BP5 (1nr @ approx 45m, 1rig)	19 20 21	11-Jul-23 03-Aug-23	02-Aug-23 26-Aug-23	21-Jul-22 13-Aug-22	12-Aug-22 06-Sep-22	-286 -286			

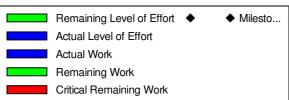


Contract YL/2021/01 - Lok Ma Chau Loop Main Works Three Month Rolling Progra

		June 32					uly 33				August 34					eptember 25		
	04	<u>عد</u>	18	25	02	09	აა 16	23	30	06	13	20	27	Ц	03	35 10	17	24
			1				ctural Openir	ig for E&M Diver				1						
			 							· · · · · · · · · · · · · · · · · · ·								
			L					++										
								• • • • • • • • • • • • • • • • • • • •										
			, , ,									i						
C	E 034 PM Re	view and Appro	val								 	 						
			1 1 1	1			1	1		1		1				1		
C	± 035 and CE	036 PM Revie	w and Approv	al			1											
								· ;										
	Area A (Grid	A-B. TTA Stac	ie 1) Pre-drillin	a (9nrs @ 4	d/hr/rig, 2 rigs)			· • • • • • • • • • • • • •										
		·····							• • • • • • • • • • • •									
			I I	 				· · · · · · · · · · · · · · · · · · ·				 		1		St	age 2 UU Diver	reion
			l				!			Diversion for Di	rainage (Grid F	10 Β10Δ Δ1	ά Δ10Δ).	CEO	35 & CE036		ige 2 00 bives	
								· · · · · · · · · · · · · · · · · · ·							4d/nr/rig, 2 rigs)			
			 	 				·		AleaA		Slage 2) Flet	uniing (211	5@	4u/m/ng, 2 ngs)	ا بے ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ۔ ا		
							, ,	·										
				!				¦										
			Area	A (Grid A-C	, TTA Stage 3) E	ored Pile (A9)	1nr@ave 1	\$d/nr/rig, 1 rig (/	Affected by	ĊE030)		 				, , ,		
				1	Area A (Grid A	C, TTA Stage	3) Bored Pile	e (B7) 1nr @ ave	15d/nr/rig,	1 rig		1						
						Area A (Grid A-C, TTA	Stage 3) Bored	Pile (C8) 1	nr @ ave 15d/ı	nˈr/rig, 1 rig (Aff	ected by CE02	22)					
									CE024	(PMI 041, 046) Drainage Div	ersion (60cd E	ĖOT)					
														CE 0	34 (PMI 037) Wat	termain Di	version (75cd E	EOT
			L															
		-;	Area C (Grid	F-G. TTA SI	tage 3) F2 Bored	l Pile 1nr @ at	ve 15d/nr/ria.	1 ria										
	L										- -							
			Grid E-G TTA	Stane 3) GF	Bored Pile 1nr	@ ave 15d/nr	ria 1 ria	· †										
		Aiea O (Bored Pile 1nr @	avo 15d/	ortria 1 ria			 					
			L									 	+					
			, ,		I Area C (Q	ario F-G, TTAS	stage 3) Go i	Bored Pile 1nr @	ave 150/n	ir/rig, i rig								
	<u></u>																	
								d F-G, TTA Stag			-	 				, , ,		
	Ļ					/	Area C (Grid	F-G, TTA Stage	3) (F-G, L1-	5) ELS								
	, , ,		, , ,									, , ,						
						Area C		TA Stage 3) G1										
			I I I				Are	a C (Grid F-G, T	TA Stage 3) G2 Bored Pile	1nr@ave 1	ōd/nr/rig, 1 rig						
											Area C (Grid I	-G, TTA Stage	e 3) Pile Te	sting	J			
			 , , ,				Area	A (Grid A-C, TTA	Stage 3) E	ored Pile (C7)	1 nr @ ave 150	d∕nr/rig, 1 rig (A	Affected by	CEC)22)			
				 			1	Area	A (Grid A-C	TTA Stage 3)	Bored Pile (C6) 1nr @ ave 1	5d/nr/rig, 1	rig (Affected by CE02	22)		
	L														15d/nr/rig, 1 rig (A		CE022)	
								· ;							red Pile (A10) 1nr			
															, TTA Stage 3) Bo			 ive 1
	L ! !		L ! !					· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·		b ='.	Area A (Grid A-C, T			
								++						F}			A-C, TTA Stage	1
				' '										!			Grid C-F, TTA Ş	
								· ¦								Alea D (lage
								· • • • • • • • • • • • • • • • • • • •										
	, , ,						, 	·									<u></u>	
	, , ,		 															
								· · · · · · · · · · · · · · · · · · ·										
										Are	a C (Grid F-G,	TTA Stage 3)	(F-G, L7-1	0) Pil	le Cap & Tie Bean	n		
								İİ			-			l i				
			1	1			1 1 1										÷	
	, ,																	
								+			1	Area A (Grid	A-C, TTA	Stag	e 3) (A1-A4) ELS			
			·					· · · · · · · · · · · · · · · · · · ·				Area A (Grid	A-C, TTA	Stag	e 3) (B1-B4) ELS			
			 ! !					1									Area A (G	àrid A
			·									······································					.ب	
								· · · · · · · · · · · · · · · · · · · 					·;					
								++	• • • • • • • • • • • •									
	L		L					· +										
								· † 									A (Grid A-C, T	
			, 	 				·						!				
								• • • • • • • • • • • • • • • • • • • •										
	, 		ı 	, 				++				 						
								·						}				
														¦				
		¦ 						¦						<u> </u>				
			I I															
	 - -				1													
	+ ! !		 	 				+					-					
	·		age 2 - Piling	Works for Pl	P4 (1nr @ appro	x 45m 1ria)		· 										
			~yv ⊑ i iiiiiy		, , , , , , , , , , , , , , , , , , ,		- Piling Mart	d for RDG (1 or G		inh 1ria)								
			L		- J J	Staye 2		s for BP6 (1nr @			Vorke for DDe	inr@arr	15m 1-					
		÷						• + + •	St	age 2 - Piling V	VUINS IUL BH3	approx "		In the second	ing Marks for DDT	(1		
		; 						· · · · · · · · · · · · · · · · · · ·					i; Stage 2	- Piļi	ing Works for BP5			
				1				1 1		1	1	1	1	1	1		Stage 2 - Pilinģ	Wo
	rke Daal	(ano 1 - (Ontract	3		Project I	D : YLC3-U	PD16-230621				T			Rolling Program	ne .		
	INO POU	kage 1 - C	onuau	5				C3 02 MPR App	B-3MRP		Date		Revisi	on	Check	ked	Approved]
n	ramm	e					1-May-23 / H				31-May-23	MPR	No. 16					
							,, 1	0			· · · ·					1		
y											1							

A - 41-24 - 17	Anti-Steven								1			luk		A		Contemb	
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float		June 32			July 33		August 34		Septembe 35	
DDF-1061	Stage 2 - 2nd TTA Traffic Diversion	1	29-Jul-23	29-Jul-23	06-Sep-22	06-Sep-22	-262	21 2	28 04 11	18 25	02	09 16	23 30 Stage 2 -	2nd TTA Traffic Diversion	20 27 0	10	17 24
DDF-1065	Stage 2 - Piling Works for BP8 (1nr @ approx 45m, 1rig)	19	28-Aug-23	18-Sep-23	07-Sep-22	29-Sep-22	-286					· · · · · · · · · · · · · · · · · · ·					Stage 2 - P
DDF-1066	Stage 2 - Piling Works for BP10 (1nr @ approx 45m, 1rig)	19	19-Sep-23	12-Oct-23	30-Sep-22	24-Oct-22	-286										
Portion 4		780	16-Mar-23 A	04-Nov-25	22-Jun-22	23-Nov-24	-278	· · · · · · · · · · · · · · · · · · ·									
Portion 4 Work P4-110	S Upkeeping and Maintenance of Completed Works at Portion 4	780 780	16-Mar-23 A 16-Mar-23 A	04-Nov-25 04-Nov-25	22-Jun-22 22-Jun-22	23-Nov-24 23-Nov-24	-278 -278										
F4-110	Opkeeping and Maintenance of Completed Works at Polition 4	700	10-Mai-23 A	04-1100-25	22-JUII-22	23-1100-24	-270	1 1	1 1	1 1	1	1 1	1	i i i	1 1	1	1 1
1																	





s Package 1 - Contract 3	
amme	

	Three Month Rolling F	Programme	
Date	Revision	Checked	Approved
31-May-23	MPR No. 16		
	•		

APPENDIX B ACTION AND LIMIT LEVELS

Appendix B - Action and Limit Levels

Location	Action Level, µg/m ³	Limit Level, µg/m ³
DMS – 1a	353	
DMS-2A	370	500
DMS-3	351	- 500
DMS-4A	350	

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

Table B-2 Action and Limit Levels for 24-Hour TSP

Location	Action Level, μg/m ³	Limit Level, µg/m ³
DMS – 1	184	
DMS-2A	166	200
DMS-3	166	- 260
DMS-4A	152	

Table B-3 Action and Limit Levels for Construction Noise

Time Period	Action Level	Limit Level
0700-1900 hrs 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.

(*) reduce to 70 dB(A) for schools and 65 dB(A) during school examination periods.

Parameter (unit)	Water Depth	Action Level	Limit Level
		IS1: <u>7.0 / NA⁽⁴⁾</u>	IS1: <u>6.8 or $4^{(4)}$</u>
		IS2: <u>5.3 / NA⁽⁴⁾</u>	IS2: <u>5.2 or $4^{(4)}$</u>
DO (mg/L)	Depth average	IS4: <u>4.1 / NA⁽⁴⁾</u>	IS4: <u>3.8 or 4⁽⁴⁾</u>
		IS6: <u>5.9</u>	IS6: <u>5.8</u>
		BS1: <u>3.9 / NA⁽⁴⁾</u>	BS1: <u>3.7 or 4⁽⁴⁾</u>
		IS1: <u>27.7</u>	IS1: <u>29.9</u>
		IS2: <u>35.5</u>	IS2: <u>38.1</u>
Turbidity (NTU)	Depth average	IS4: <u>70.9</u>	IS4: <u>74.6</u>
Turblany (NTO)		BS1: <u>29.9</u>	BS1: <u>32.6</u>
		IS6: 120% of upstream	IS6: 130% of upstream
		control station (CS5)	control station (CS5)
		IS1: <u>28.0</u>	IS1: <u>28.8</u>
		IS2: <u>39.8</u>	IS2: <u>41.2</u>
SS	Douth arrays as	IS4: <u>155</u>	IS4: <u>175</u>
(mg/L)	Depth average	BS1: <u>36.5</u>	BS1: <u>36.9</u>
		IS6: 120% of upstream	IS6: 130% of upstream
		control station (CS5)	control station (CS5)

Table B-4Action and Limit Levels for Water Quality

Note:

(1) Depth-averaged was calculated by taking the arithmetic means of reading of all three depths

(2) For DO, non-compliance of the water quality limit would occur when monitoring result at impact stations was lower that the limit.

(3) For SS & turbidity, non-compliance of the water quality limits would occur when monitoring result at impact stations was higher than the limits.

(4) The proposal of adopting 4 mg/L as the Limit Level of DO for the period from April to September due to seasonal change of DO was accepted by EPD via email on 10 Dec 2019.

APPENDIX C COPIES OF CALIBRATION CERTIFCATES

WELLAB 匯力 consulting . testing . research

						File No.	WMA21009/24/0013
Station	DMS-3 - Village Hou	se along Old Border R	oad			Operator:	HL
Date:	28-Apr-23	nr-23			Next	Due Date:	27-Jun-23
Equipment No.:	WA-12-24					Serial No.	10576
	<u></u>						· · · ·
Terrerent		209.2	Ambient C		· · · ·		· · · · · · · · · · · · · · · · · · ·
Temperati	ure, Ta (K)	298.2	Pressure, Pa	(mmHg)		/(52.7
			Drifice Transfer Star	ıdard Informat	ion		
Seria	al No.	0993	Slope, mc	0.0574	Intercept,	bc	-0.04292
Last Calib	ration Date:	16-Jan-23			be = [ΔH x (Pa/76		
Next Calib	ration Date:	16-Jan-24		Qstd = $\{[\Delta H]$	x (Pa/760) x (298	8/Ta)] ^{1/2} -b	e} / me
		•				4. ⁶	
		Orf	Calibration of	15P Sampler		. · ப	VS
Calibration Point	ΔH (orifice), in. of water		i0) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	I	a/760) x (298/Ta)] ^{1/2} Y-axis
1	11.3		3.37	59.35	7.2		2.69
2	10.7		3.28	57.78	6.9		2.63
3	8.4	2.90		51.28	5.4		2.33
4	6.8		2.61	46.21	4.3		2.08
5	4.3		2.08	36.90	3.0		1.73
	coefficient < 0.990, c		99 82	Intercept, bw :	0.1155	<u> </u>	
			Set Point Ca	lculation	in druger Ki	÷ :	
From the TSP Fi	eld Calibration Curv	ve, take Qstd = 43 C			·		***************************************
From the Regress	sion Equation, the "	Y" value according	to				
Therefo	re, Set Point; W = ($\Delta x = 0$ (760 / Pa) x (Ta /		/Ta)] ^{1/2} 3.89		
Remarks:		- Mart					
Conducted by: Checked by:	122 MAN 142	Signature: Signature:	he	- h		Date: Date:	28/4/2023 VS/4/V3

WELLAB 匯力

consulting . testing . research

						File No.	WMA21009/24/	/0014
Station	DMS-3 - Village Hou	se along Old Border R	load			Operator:	HL	
Date:	27-Jun-23		_		Next	Due Date:	26-Aug-23	
Equipment No.:	WA-12-24		-			Serial No.	10576	
· * * :	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Ambient (Condition	· · · · · · · · · · · · · · · · · · ·			.
Temperat	ture, Ta (K)	301	Pressure, Pa			758	3,9	

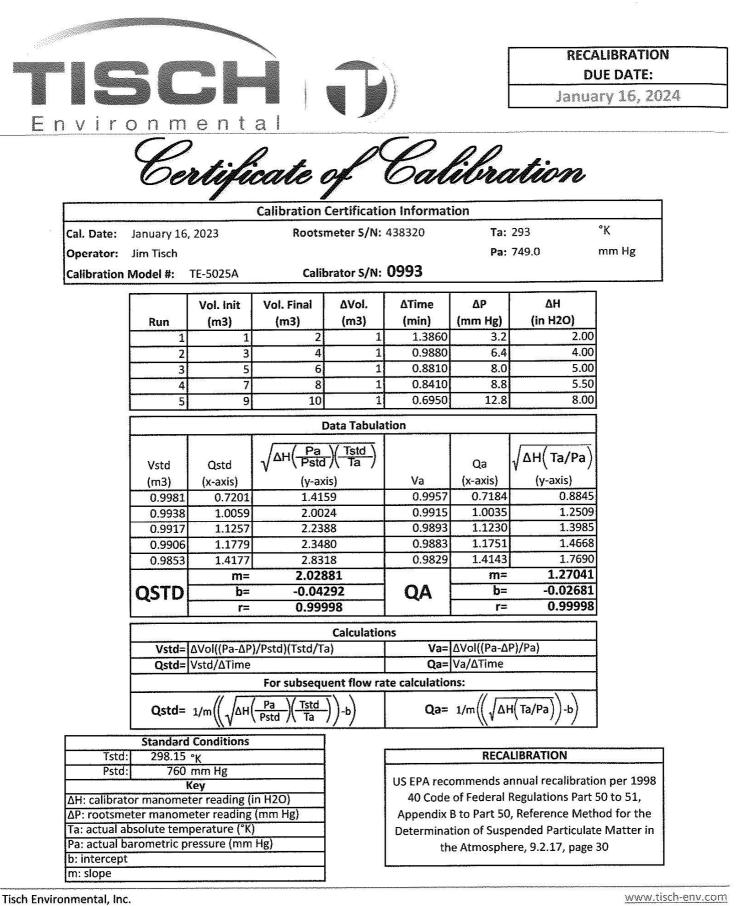
			Orifice Transfer Sta	ndard Informat	ìon			
Seri	al No.	0993	Slope, mc	0.0574	Intercept,		-0.04292	
Last Calil	oration Date:	16-Jan-23		mc x Qstd +	be = [∆H x (Pa/76	50) x (298/T	a)] ^{1/2}	
Next Calil	oration Date:	16-Jan-24		Qstd = $\{[\Delta H]$	x (Pa/760) x (298	/Ta)] ^{1/2} -bc}	/ me	
		•						
· · · ·		N 1 1 1 1	Calibration of	TSP Sampler				
Calibration		Ort	īce			HV	'S	
Point	ΔH (orifice), in. of water	[ΔH x (Pa/76	50) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	[ΔW x (Pa	(760) x (298/Ta)] ^{1/2}	Y-ax
1	11.4		3.36	59.19	7.6		2.74	
2	10.9		3.28	57.90	6.9		2.61	
3	8.0		2.81	49.71	5.2		2,27	
4 [.]	6.6		2.55	45.22	4.5		2.11	
5	4.8		2.18	38.67	3.2		1.78	
Slope , mw = Correlation	ression of Y on X 		9970 e.	Intercept, bw : 	0.0570			
ana tengegi		NA NINI NI MARA			un to terfenoli faction.	nanjas para		
	ield Calibration Cur			alculation				
	ssion Equation, the "							
FIGHT the Regres	ssion Equation, the	i value according	10					
		mw z	$c Qstd + bw = [\Delta W]$	x (Pa/760) x (298	/Ta)] ^{1/2}			
		1						
Therefo	ore, Set Point; W = (mw x Qstd + bw) ²	x (760 / Pa) x (Ta	(298)=	3.97			
Remarks:								
reomarko.		·····					· ·	
Conducted by:	UBE MEN HEr	Signature:	: Pke	2-1		Date:	27/6/23	

WELLAB 匯力 consulting , testing , research

						File No.	WMA21009/07/0013
Station	DMS-4A - Hong Kon	g Police Force, Lok N	1a Chau Operation Base	e at Horn Hill	_	Operator:	HL
Date:	28-Apr-23		_		Next	Due Date:	27-Jun-23
Equipment No.:	WA-12-07					Serial No.	
<u> </u>	· · · · · · · · · · · · · · · · · · ·				:		
			Ambient			· · · · · · · · · · · · · · · · · · ·	
1 emperat	ure, Ta (K)	298	Pressure, Pa	a (mml·lg)		762	2.9
		· · · · · · · · · · · · · · · · · · ·	Orifice Transfer Sta	undard Informat	ion	· · ·	
Seri	al No.	0993	Slope, mc	0.0574	Intercept,	bc	-0.04292
Last Calib	ration Date:	16-Jan-23		mc x Qstd +	bc = [ΔH x (Pa/7	60) x (298/T	[a)] ^{1/2}
Next Calib	oration Date:	16-Jan-24		Qstd = ${[\Delta H]}$	x (Pa/760) x (298	3/Ta)] ^{1/2} -bc]	/ mc
			Calibration of	TSP Sampler	1		
Calibration		Or	fice	1		<u> </u>	/S
Point	∆H (orifice), in. of water	[ΔH x (Pa/7	60) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	[ΔW x (Pa	/760) x (298/Ta)] ^{1/2} Y-axis
1	12.8		3.58	63.15	7.7		2,78
2	10.4		3.23	57.00	6.4		2.53
3	8.1		2.85	50.39	5.0		2.24
4	6.9		2.63	46.56	4.5		2,13
5	3.8		1.95	34.75	2.9		1.71
Slope , mw =				Intercept, bw	0.3706		
	coefficient* =		9983				
*If Correlation C	Coefficient < 0.990, o	check and recalibra	te.				
· · · · ·		······································	Set Point C	alculation			********
From the TSP Fi	eld Calibration Curv	ve, take Qstd = 43 (
From the Regres	sion Equation, the "	Y" value according	to				
			A 1 1 1 1 1 1 1 1 1 1		1/2		
		mw	$x \operatorname{Qstd} + bw = [\Delta W]$	x (Pa/760) x (298	/Ta)]""		
Therefo	ore, Set Point; W = ($mw \ge Qstd + bw)^2$	x (760 / Pa) x (Ta	/ 298) =	3.98		
		····	······				
Remarks:							
				<u> </u>			
			1				
Conducted by:	USE MON HIFT	Signature:	ke	•		Date:	28 (4(2023
Checked by:	1to Ka chim	Signature:				Date:	4/4/23
			-000				

WELLAB 匯力 consulting , testing , research

						File No.	WMA21009/07/	0014
Station	DMS-4A - Hong Kor	ng Police Force, Lok N	fa Chau Operation Base	at Horn Hill		Operator:		
Date:	27-Jun-23		_		Next	Due Date:	26-Aug-23	
Equipment No.:	quipment No.: WA-12-07		_			Serial No.	1801	
	······································		Ambient (Condition		· · · ·		· ·
Temperati	ure, Ta (K)	301.2	Pressure, Pa		[758	3.6	
I				<u> </u>	l			
		1 1 E.	Orifice Transfer Sta	ndard Informat	ion			
Seria	ıl No.	0993	Slope, mc	0.0574	Intercept,		-0.04292	
Last Calibi	ration Date:	16-Jan-23	_		$bc = [\Delta H \ x \ (Pa/7)]$			
Next Calib	ration Date:	16-Jan-24		Qstd = {[∆H	x (Pa/760) x (298	3/Ta)] ^{1/2} -bc]	/ me	
		•					an an an the	
		Or	Calibration of	TSP Sampler				
Calibration Point	ΔH (orifice), in. of water	1	60) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	HV [ΔW x (Pa	/760) x (298/Ta)] ^{1/2}	Y-axis
1	12.7		3,54	62.40	7.3		2.68	
2	10.3		3.19	56.27	6.2		2.47	
3	8.2		2.85	50.29	5.0		2.22	
4	6.7		2.57	45.53	4.3		2.06	
5	3.6		1.89	33.57	2.8		1.66	
Slope , mw = Correlation	coefficient* =	0. check and recalibra	9990 æ.	Intercept, bw :	0.4487			
			Set Point C	alculation				That .
From the TSP Fi	eld Calibration Cur	ve, take Qstd = 43 (· · ·	
		Y" value according						
Ũ	• -	-		(D) (T(A)) (D)(A)				
		mw	$x \operatorname{Qstd} + \operatorname{bw} = [\Delta W]$	x (Pa/760) x (298	//fa)]***			
Therefore	re, Set Point; W = ($mw x Qstd + bw)^2$	x (760 / Pa) x (Ta /	(298) =	3.99			
Remarks:								
-	<u> </u>	<u> </u>	$\wedge r$					
Conducted by: _	120 Ca dun	-	- lk	<u></u>		Date:	27/6/2023	



TOLL FREE: (877)263-7610 FAX: (513)467-9009

145 South Miami Avenue

Village of Cleves, OH 45002

TEST REPORT

Certificate of Calibration

APPLICANT: Wellab Limited (EM&A Department) Room 1808, Technology Park, 18 On Lai Street, Shatin, NT, Hong Kong

L	
Test Report No.:	38174
Date of Issue:	2023-05-08
Date Received:	2023-05-05
Date Tested:	2023-05-05
Date Completed:	2023-05-08
Next Due Date:	2023-07-07
Page	1 of 1

rage:

1 of 1

ATTN: Ms. Meiling Tang

Item for Calibration: Description : Dust Monitor Manufacturer : Met One Instruments : AEROCET-831 Model No. Serial No. : X23807 Flow rate : 0.1 cfm: 0 count per 1 minute Zero Count Test : WA-01-01 Equipment No. **Test Conditions:** Room Temperature : 17-22 degree Celsius : 40-70% **Relative Humidity**

Test Specifications & Methodology:

1. Instruction and Operation Manual High Volume Sampler, Tisch Environmental Inc.

2. In-house method in according to the instruction manual: The Dust Monitor was compared with a calibrated High Volume Sampler and the result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Results:

Correlation Factor (CF)	1.119
*****	*****

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager

WELLABET

consulting . testing . research

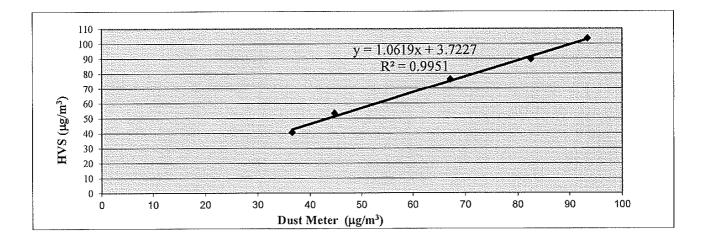
<u>TSP - Total Suspended Particulates (1 hr Dust Meter)</u> <u>Calibration Report</u>

Dust Meter	Dust Meter	High Volume Sampler			
Equipment No.:	WA-01-01	WA-12-09			
Model No. :	AEROCET-831	TE-5170			
Serial No.	X23807 2203				
Calibration Date:	5-May-23 5-May-23				
Location:	Wellab Office (Calibration Room)				

	Calibrati	on of 1 hr TSP	
	Dust Meter	HVS	
Calibration Point	Mass Concentration (μg/m ³)	Mass concentration (µg/m ³)	
	X-axis	Y-axis	
1	37	41	
2	45	53	
3	67	76	
4	83	90	
5	93	103	
Average	64.9	72.7	
By Linear Regression	of Y on X		
Slope, mw =	1.0619	Intercept, bw = 3.7227	
Correlation coefficie	ent* = 0.9976		

*If Correlation Coefficient < 0.90, check and recalibrate.

Particaulate Concentration by High Volume Sampler (µg/m ³)	72.7
Particaulate Concentration by Dust Meter (µg/m ³)	64.9
Measureing time, (min)	60
Set Correlation Factor , SCF SCF = K=High Volume Sampler / Dust Meter, (µg/m³)]	1.119



QC Reviewer: <u>LW MAN MW</u> Signature: <u>Date:</u> <u>Jar</u>	QC Reviewer:	LEE MAN	Hīn	Signature:	hei	Date:	5/5/2
--	--------------	---------	-----	------------	-----	-------	-------

WELLAB ET

TEST REPORT

Certificate of Calibration

APPLICANT: Wellab Limited (EM&A Department) Room 1808, Technology Park, 18 On Lai Street, Shatin, NT, Hong Kong

•	
Test Report No .:	38174B
Date of Issue:	2023-05-08
Date Received:	2023-05-05
Date Tested:	2023-05-05
Date Completed:	2023-05-08
Next Due Date:	2023-07-07
Page:	1 of 1

ATTN: Ms

Ms. Meiling Tang

Item for Calibration:			
Description	: Dust Monitor		
Manufacturer	: Met One Instruments		
Model No.	: AEROCET-831		
Serial No.	: X23809		
Flow rate	: 0.1 cfm		
Zero Count Test	: 0 count per 1 minute		
Equipment No.	: WA-01-03		
Test Conditions:			
Room Temperature	: 17-22 degree Celsius		
Relative Humidity	: 40-70%		

Test Specifications & Methodology:

1. Instruction and Operation Manual High Volume Sampler, Tisch Environmental Inc.

2. In-house method in according to the instruction manual: The Dust Monitor was compared with a calibrated High Volume Sampler and the result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Results:	
Correlation Factor (CF)	1.147

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager

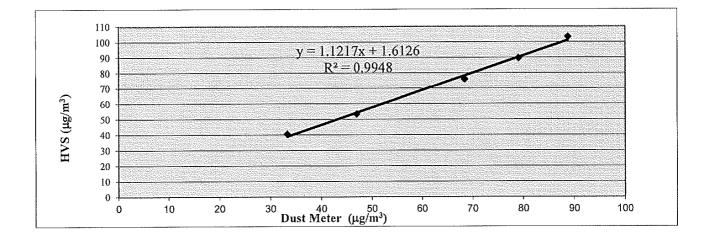
<u>TSP - Total Suspended Particulates (1 hr Dust Meter)</u> <u>Calibration Report</u>

Dust Meter	Dust Meter	High Volume Sampler WA-12-09 TE-5170 2203 5-May-23		
Equipment No.:	WA-01-03			
Model No. :	AEROCET-831			
Serial No.	X23809			
Calibration Date:	5-May-23			
Location:	Wellab Office (Calibration Room)			

Calibration of 1 hr TSP					
	Dust Meter	HVS			
Calibration Point	Mass Concentration (µg/m ³)	Mass concentration (μ g/m ³)			
	X-axis	Y-axis			
1	33	41			
2	47	53			
3	69	76			
4	79	90			
5	89	103			
Average	63.3	72.7			
By Linear Regression	of Y on X				
Slope, mw =	1.1217	Intercept, bw = <u>1.6126</u>			
Correlation coefficie	ent* = 0.9974				

*If Correlation Coefficient < 0.90, check and recalibrate.

Particaulate Concentration by High Volume Sampler (µg/m ³)	72.7		
Particaulate Concentration by Dust Meter ($\mu g/m^3$)	63.3		
Measureing time, (min)	60		
Set Correlation Factor , SCF SCF = [K=High Volume Sampler / Dust Meter, (μg/m³)]	1.147		



QC Reviewer:	122	Mari	HEN	Signature:	hei	Date:	\$15/2023
--------------	-----	------	-----	------------	-----	-------	-----------

WELLABE consulting.testing.research

TEST REPORT

Certificate of Calibration

APPLICANT: Wellab Limited (EM&A Department) Room 1808, Technology Park, 18 On Lai Street, Shatin, NT, Hong Kong

Test Report No.:	38174C
Date of Issue:	2023-05-08
Date Received:	2023-05-05
Date Tested:	2023-05-05
Date Completed:	2023-05-08
Next Due Date:	2023-07-07
Page:	1 of 1

ATTN: Ms. Meiling Tang

Item for Calibration: Description : Dust Monitor : Met One Instruments Manufacturer : AEROCET-831 Model No. : X23810 Serial No. : 0.1 cfm Flow rate : 0 count per 1 minute Zero Count Test : WA-01-04 Equipment No. **Test Conditions:** : 17-22 degree Celsius Room Temperature :40-70% **Relative Humidity**

Test Specifications & Methodology:

1. Instruction and Operation Manual High Volume Sampler, Tisch Environmental Inc.

2. In-house method in according to the instruction manual: The Dust Monitor was compared with a calibrated High Volume Sampler and the result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Results:	
Correlation Factor (CF)	1.108

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE

General Manager

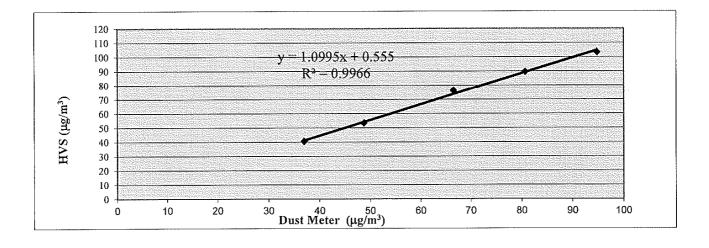
<u>TSP - Total Suspended Particulates (1 hr Dust Meter)</u> <u>Calibration Report</u>

Dust Meter	Dust Meter	High Volume Sampler WA-12-09 TE-5170 2203 5-May-23		
Equipment No.:	WA-01-04			
Model No. :	AEROCET-831			
Serial No.	X23810			
Calibration Date:	5-May-23			
Location:	Wellab Office (Calibration Room)			

	Calibratio	Calibration of 1 hr TSP				
	Dust Meter		HVS			
Calibration Point	Mass Concentration (µg/m ³)	Ν	Aass concentration (µg/m ³)			
	X-axis		Y-axis			
1	37		41			
2	49		53			
3	67		76			
4	81		90			
5	95		103			
Average	65.6		72.7			
By Linear Regression	of Y on X					
Slope , mw =	1.0995	Intercept, bw =	0.5550			
Correlation coefficie	nt* = 0.9983					

*If Correlation Coefficient < 0.90, check and recalibrate.

Particaulate Concentration by High Volume Sampler (µg/m ³)	72.7		
Particaulate Concentration by Dust Meter (µg/m ³)	65.6		
Measureing time, (min)	60		
Set Correlation Factor , SCF SCF = K=High Volume Sampler / Dust Meter, (µg/m³)	1.108		



QC Reviewer:	LEE	MAN	HBV	Signature:	hei	Date:	51512023

,

WELLAB ET.

consulting . testing . research

WELLAB LIMITED Room 1714, Technology Park 18 On Lai Street, Shatin New Territories, Hong Kong Tel: 2898 7388 Fax: 2898 7076 Website : www.wellab.com.hk

TEST REPORT APPLICANT: Wellab Limited (EM&A Department) Room 1808, Technology Park, 18 On Lai Street, Shatin, NT, Hong Kong

-	
Test Report No.:	38139A
Date of Issue:	2023-04-24
Date Received:	2023-04-22
Date Tested:	2023-04-22
Date Completed:	2023-04-24
Next Due Date:	2023-06-23
Page:	1 of 1

ATTN:

Ms. Meiling Tang

Item for Calibration:	
Description	: Dust Monitor
Manufacturer	: Met One Instruments
Model No.	: AEROCET-831
Serial No.	: X24477
Flow rate	: 0.1 cfm
Zero Count Test	: 0 count per 1 minute
Equipment No.	: WA-01-06
Test Conditions:	
Room Temperature	: 17-22 degree Celsius
Relative Humidity	: 40-70%

Test Specifications & Methodology:

1. Instruction and Operation Manual High Volume Sampler, Tisch Environmental Inc.

Certificate of Calibration

2. In-house method in according to the instruction manual: The Dust Monitor was compared with a calibrated High Volume Sampler and the result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Results:

Correlation Factor (CF)	1.125

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PÁTRICK TSÈ General Manager

<u>TSP - Total Suspended Particulates (1 hr Dust Meter)</u> <u>Calibration Report</u>

Dust Meter	Dust Meter	High Volume Sampler
Equipment No.:	WA-01-06	WA-12-09
Model No. :	AEROCET-831	TE-5170
Serial No.	X24477	2203
Calibration Date:	22-Apr-23	22-Apr-23
Location:	Wellab Office (Calibration Room)	

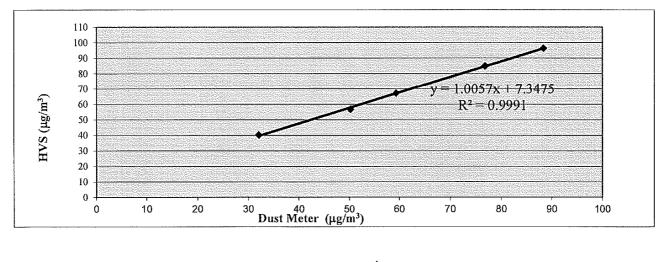
Calibration of 1 hr TSP				
	Dust Meter		HVS	
Calibration Point	Mass Concentration (µg/m ³)]	Mass concentration ($\mu g/m^3$)	
	X-axis		Y-axis	
1	32		40	
2	50		57	
3	59		67	
4	77		85	
5	88		96	
Average	61.4		69.1	
By Linear Regression of Slope , mw = Correlation coefficie	1.0057	Intercept, bw =	7.3475	

*If Correlation Coefficient < 0.90, check and recalibrate.

Set Correlation Factor Particaulate Concentration by High Volume Sampler (µg/m ³)	69.1
Particaulate Concentration by Dust Meter ($\mu g/m^3$)	61.4
Measureing time, (min)	60

SCF =	K=High	Volume	Sampler	/ Dust Meter,	(µg/m ³)]	l
-------	--------	--------	---------	---------------	--------------------	----	---

1.125



QC Reviewer:	LEV MAN HER	Signature:	her	Date:	23 (41202)

WELLAB 11273 consulting . testing . research		Te	ew Territories, Hong Kom 1: 2898 7388 Fax: 2898 7 ebsite : www.wellab.com
	TEST REPO	RT	
APPLICANT:	Wellab Limited	Test Report No.:	37894A
	(EM&A Department)	Date of Issue:	2023-03-13
	Room 1808, Technology Park,	Date Received:	2023-03-10
	18 On Lai Street,	Date Tested:	2023-03-10
	Shatin, NT, Hong Kong	Date Completed:	2023-03-13
		Next Due Date:	2024-03-12

1 ODU LCOPOLO LION	010/111
Date of Issue:	2023-03-13
Date Received:	2023-03-10
Date Tested:	2023-03-10
Date Completed:	2023-03-13
Next Due Date:	2024-03-12
Page:	1 of 1

1 of 1

WELLAB LIMITED

Room 1714, Technology Park 18 On Lai Street, Shatin

ATTN: Ms. Meiling Tang

Certificate of Calibration

: BSWA : BSWA 308

: 580013

: WN-01-09

Item for calibration:

Description Manufacturer Model No. Serial No. Equipment No.

Test conditions:

Room Temperature Relative Humidity

: 17-22 degree Celsius : 40-70%

: Sound Level Meter

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

Reference Set Point, dB	Instrument Readings, dB
94	94.0
114	114.0

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE

General Manager

18

Ε١

consulting , testing , research

WELL'AB LIMITED Room 1714, Technology Park 18 On Lai Street, Shatin New Territories, Hong Kong Tel: 2898 7388 Fax: 2898 7076 Website : www.wellab.com.hk

TEST REPORT **APPLICANT: Wellab Limited** (EM&A Department) Room 1801, Technology Park, 18 On Lai Street, Shatin, NT, Hong Kong

Test Report No.:	37163A
Date of Issue:	2022-10-02
Date Received:	2022-09-30
Date Tested:	2022-10-02
Date Completed:	2022-10-02
Next Due Date:	2023-10-01
Page:	1 of 1

age

Ms. Meiling Tang ATTN:

Certificate of Calibration

Item for calibration:

Description Manufacturer Model No. Serial No. Equipment No. : Acoustical Calibrator : SVANTEK : SV30A : 24780 : N-09-05

Test conditions:

Room Temperature Relative Humidity

: 17-22 degree Celsius : 40-70%

Methodology:

The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard(s) and instrument(s) which are recommended by the manufacturer, or equivalent.

Results:

Sound Pressure Level (1kHz)	Measured SPL	Tolerance
At 94 dB SPL	94.0	$94.0 \pm 0.1 \text{ dB}$
At 114 dB SPL	114.0	$114.0 \pm 0.1 \text{ dB}$

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

P'ATRICK TSE General Manager

TEST REPORT Test Report No.: 37674E APPLICANT: Wellab Limited Date of Issue: (EM&A Department) 2022-12-28 Room 1808, Technology Park, Date Received: 2022-12-23 Date Tested: 2022-12-23 18 On Lai Street, Shatin, NT, Hong Kong Date Completed: 2022-12-28 Next Due Date: 2023-06-27 ATTN: 1 of 2 Ms. Meiling Tang Page: **Certificate of Calibration** Item for calibration: Description : Weather Stations, Vantage Pro2

Manufacturer Model No. Serial No. : Weather Stations, Vantage Pro2: Davis Instruments: 6152CUK: AK130520007

Test conditions:

consulting . testing . research

Room Temperature Relative Humidity : 17-22 degree Celsius : 40-70 %

Test Specifications:

1. Performance check of anemometer

2. Performance check of wind direction sensor

Methodology:

In-house method with reference anemometer

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

General Manager

TEST REPORT

Test Report No.:	37674E
Date of Issue:	2022-12-28
Date Received:	2022-12-23
Date Tested:	2022-12-23
Date Completed:	2022-12-28
Next Due Date:	2023-06-27
Page:	2 of 2

Results:

WELLAB Et

consulting . testing . research

1. Performance check of anemometer

Air Velocity, m/s		Difference D (m/s)
Instrument Reading (V1) Reference Value (V1)		$\mathbf{D} = \mathbf{V}1 - \mathbf{V}2$
2.00	2.00	0.00

2. Performance check of wind direction sensor

Wind Direction (°)		Difference D (°)
Instrument Reading (W1) Reference Value (W2)		D = W1 - W2
0	0	0
45	45	0
90.1	90	0.1
135	135	0
180	180	0
225.3	225	0.3
270.1	270	0.1
315	315	0
360	360	0

TEST REPORT Test Report No.: APPLICANT: Wellab Limited 38469D Date of Issue: 2023-06-26 (EM&A Department) Room 1808, Technology Park, Date Received: 2023-06-24 Date Tested: 2023-06-24 18 On Lai Street, Shatin, NT, Hong Kong 2023-06-26 Date Completed: Next Due Date: 2023-12-25 Ms. Meiling Tang Page: 1 of 2 ATTN: **Certificate of Calibration** Item for calibration: Description : Weather Stations, Vantage Pro2 Manufacturer : Davis Instruments Model No. : 6152CUK Serial No. : AK130520006 **Test conditions: Room Temperature** : 17-22 degree Celsius : 40-70 % **Relative Humidity Test Specifications:** 1. Performance check of anemometer 2. Performance check of wind direction sensor Methodology: In-house method with reference anemometer

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

consulting . testing . research

PATRICK TSE Laboratory Manager WELLAB 匯力 consulting.testing.research WELL'AB LIMITED Room 1714, Technology Park 18 On Lai Street, Shatin New Territories, Hong Kong Tel: 2898 7388 Fax: 2898 7076 Website : www.wellab.com.hk

TEST REPORT

Test Report No.:	38469D
Date of Issue:	2023-06-26
Date Received:	2023-06-24
Date Tested:	2023-06-24
Date Completed:	2023-06-26
Next Due Date:	2023-12-25
Page:	2 of 2

Results:

1. Performance check of anemometer

Air Velocity, m/s		Difference D (m/s)
Instrument Reading (V1) Reference Value (V1)		D = V1 - V2
2.00	2.00	0.00

2. Performance check of wind direction sensor

Wind Direction (°)		Difference D (°)
Instrument Reading (W1)	Instrument Reading (W1) Reference Value (W2)	
0	0	0
45	45	0
90.3	90	0.3
135.1	135	0.1
180	180	0
225.1	225	0.1
270	270	0
315.2	315	0.2
360	360	0

TEST REPORT

APPLICANT: Wellab Limited (EM&A) RM 1808, Technology Park, 18 On Lai Street, Shatin, N.T., Hong Kong

Test Report No.:	38423
Date of Issue:	2023-06-21
Date Received:	2023-06-20
Date Tested:	2023-06-20 to
	2023-06-21
Date Completed:	2023-06-21
Page:	1 of 2

ATTN: Miss Mei Ling Tang

WELLAR NET

consulting , testing , research

Certificate of Calibration

Item for calibration: YSI EXO1 Multiparameter Sondes Equipment No.: SW-08-42 Manufacturer: YSI Incorporated, a Xylem brand Model No. Description: Serial No. - EXO1 Sonde, 100 meter Depth, 4 Sensor ports 599502-24 16J102314 - EXO Optical DO Sensor, Ti 599100-01 16J100949 17A105111 - EXO conductivity/Temperature Sensor, Ti 599870 - EXO Turbidity Sensor, Ti 599101-01 16J101144 599701 16J101306 - EXO pH Sensor Assembly, Guarded, Ti

Test conditions:

Room Temperature Relative Humidity : 17-22 degree Celsius : 40-70%

Test Specifications:

Performance checking for Conductivity, Temperature, pH, Dissolved oxygen (D.O.) and Turbidity

Methodology:

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager



TEST REPORT

Test Report No.:	38423
Date of Issue:	2023-06-21
Date Received:	2023-06-20
Date Tested:	2023-06-20 to
	2023-06-21
Date Completed:	2023-06-21
Page:	2 of 2

Certificate of Calibration

Results:

Conductivity performance checking

	Instrument Readings (µS/cm)	Accetance Criteria	Comment
KCl stock solution	13100	12246-13534	Pass
(12890 µS/cm)			
T	an alta alain a		

Temperature performance checking

Reference thermometer- E431 Readings (°C)	Instrument Readings (°C)	Correction (°C)	Comment
20.0	20.001	-0.001	N/A

pH performance checking

ſ	Instrument Readings (pH unit)	Accetance Criteria	Comment
pH QC buffer 4.00	4.02	4.00 ± 0.10	Pass
pH QC buffer 6.86	6.88	6.86 <u>+</u> 0.10	Pass
pH QC buffer 9.18	9.20	9.18 <u>+</u> 0.10	Pass

D.O. performance checking

	Instrument Readings (mg/L)	Accetance Criteria	Comment
Zero DO soultion	0.09	<0.1mg/L	Pass

Winkler Titration value (mg/L)	Instrument Readings (mg/L)	Accetance Criteria	Comment
8.18	8.05	Difference between Titration value and instrument reading <0.2mg/L	Pass

Turbidity performance checking

Turbidity stock solution	Instrument Readings (NTU)	Accetance Criteria	Comment
10 NTU	10.04	9.0-11.0	Pass
50 NTU	50.22	45.0-55.0	Pass
100 NTU	101.5	90.0-110.0	Pass

Depth performance checking

Water Depth	Instrument Readings (m)	Accetance Criteria	Comment	
0.5 meter	0.50	0.45-0.55	Pass	

TEST REPORT

APPLICANT:	Wellab Limited (EM&A)
	RM 1808, Technology Park,
	18 On Lai Street,
	Shatin, N.T., Hong Kong

Test Report No.:	38018D
Date of Issue:	2023-03-24
Date Received:	2023-03-23
Date Tested:	2023-03-23 to
	2023-03-24
Date Completed:	2023-03-24
Page:	1 of 2

Miss Mei Ling Tang

Certificate of Calibration

Item for calibration:			
YSI EXO1 Multiparameter Sondes	Equipment No.:	SW-08-129	
Manufacturer:	YSI Incorporated, a Xylem brand		
Description:	Model No.	Serial No.	
- EXO1 Sonde, 100 meter Depth, 4 Sensor ports	599502-24	17B101455	
- EXO Optical DO Sensor, Ti	599100-01	17M101337	
- EXO conductivity/Temperature Sensor, Ti	599870	17B100784	
- EXO Turbidity Sensor, Ti	599101-01	16J101112	
- EXO pH Sensor Assembly, Guarded, Ti	599701	16J100565	

Test conditions:

ATTN:

WELLAB Et

consulting . testing . research

Room Temperature Relative Humidity : 17-22 degree Celsius : 40-70%

Test Specifications:

Performance checking for Conductivity, Temperature, pH, Dissolved oxygen (D.O.) and Turbidity

Methodology:

According to manufacturer instruction manual, APHA 20e 4500-O C

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PATRICK TSE General Manager



TEST REPORT

Test Report No.:	38018D
Date of Issue:	2023-03-24
Date Received:	2023-03-23
Date Tested:	2023-03-23 to
	2023-03-24
Date Completed:	2023-03-24
Page:	2 of 2

Certificate of Calibration

Results:

Conductivity performance checking

	Instrument Readings (µS/cm)	Accetance Criteria	Comment
KCl stock solution	13200	12246-13534	Pass
(12890 µS/cm)			

Temperature performance checking

Reference thermometer- E431 Readings (°C)	Instrument Readings (°C)	Correction (°C)	Comment
20.0	20.001	-0.001	N/A

pH performance checking

	Instrument Readings (pH unit)	Accetance Criteria	Comment
pH QC buffer 4.00	4.00	4.00 ± 0.10	Pass
pH QC buffer 6.86	6.88	6.86 <u>+</u> 0.10	Pass
pH QC buffer 9.18	9.21	9.18 ± 0.10	Pass

D.O. performance checking

	Instrument Readings (mg/L)	Accetance Criteria	Comment
Zero DO soultion	0.08	<0.1mg/L	Pass

Winkler Titration value (mg/L)	Instrument Readings (mg/L)	Accetance Criteria	Comment
8.16	8.10	Difference between Titration value and	Pass
		instrument reading <0.2mg/L	

Turbidity performance checking

Turbidity stock solution	Instrument Readings (NTU)	Accetance Criteria	Comment
10 NTU	9.58	9.0-11.0	Pass
50 NTU	48.86	45.0-55.0	Pass
100 NTU	97.2	90.0-110.0	Pass

Depth performance checking

Water Depth	Instrument Readings (m)	Accetance Criteria	Comment
0.5 meter	0.50	0.45-0.55	Pass

TEST REPORT

APPLICANT:	Wellab Limited (EM&A)
	RM 1808, Technology Park,
	18 On Lai Street,
	Shatin, N.T., Hong Kong

Miss Mei Ling Tang

LARIÉ

consulting . testing . research

Test Report No.:	38018E
Date of Issue:	2023-03-24
Date Received:	2023-03-23
Date Tested:	2023-03-23 to
	2023-03-24
Date Completed:	2023-03-24
Page:	1 of 2

Certificate of Calibration

nem for canoration;		
YSI EXO1 Multiparameter Sondes	Equipment No.:	SW-08-150
Manufacturer:	YSI Incorporated,	a Xylem brand
Description:	Model No.	Serial No.
- EXO1 Sonde, 100 meter Depth, 4 Sensor ports	599502-24	17B103705
- EXO Optical DO Sensor, Ti	599100-01	17B102237
- EXO conductivity/Temperature Sensor, Ti	599870	17B100807
- EXO Turbidity Sensor, Ti	599101-01	17B102280
- EXO pH Sensor Assembly, Guarded, Ti	599701	17C100695

Test conditions:

ATTN:

Room Temperature Relative Humidity : 17-22 degree Celsius : 40-70%

Test Specifications:

Item for calibration.

Performance checking for Conductivity, Temperature, pH, Dissolved oxygen (D.O.) and Turbidity

Methodology:

PREPARED AND CHECKED BY: For and On Behalf of WELLAB Ltd.

PA^ITRICK TSE General Manager



TEST REPORT

Test Report No.:	38018E
Date of Issue:	2023-03-24
Date Received:	2023-03-23
Date Tested:	2023-03-23 to
	2023-03-24
Date Completed:	2023-03-24
Page:	2 of 2

Certificate of Calibration

Results:

Conductivity performance checking

	Instrument Readings (µS/cm)	Accetance Criteria	Comment
KCl stock solution	13400	12246-13534	Pass
(12890 µS/cm)			

Temperature performance checking

Reference thermometer- E431 Readings (°C)	Instrument Readings (°C)	Correction (°C)	Comment
20.0	20.001	-0.001	N/A

pH performance checking

	Instrument Readings	Accetance Criteria	Comment
	(pH unit)		
pH QC buffer 4.00	3.99	4.00 ± 0.10	Pass
pH QC buffer 6.86	6.86	6.86 <u>+</u> 0.10	Pass
pH QC buffer 9.18	9.19	9.18 <u>+</u> 0.10	Pass

D.O. performance checking

	Instrument Readings (mg/L)	Accetance Criteria	Comment
Zero DO soultion	0.05	<0.1mg/L	Pass

Winkler Titration value (mg/L)	Instrument Readings (mg/L)	Accetance Criteria	Comment
8.16	8.02	Difference between Titration value and instrument reading	Pass
		<0.2mg/L	

Turbidity performance checking

Turbidity stock solution	Instrument Readings (NTU)	Accetance Criteria	Comment
10 NTU	10.01	9.0-11.0	Pass
50 NTU	51.64	45.0-55.0	Pass
100 NTU	99.31	90.0-110.0	Pass

Depth performance checking

Water Depth	Instrument Readings (m)	Accetance Criteria	Comment
0.5 meter	0.50	0.45-0.55	Pass

APPENDIX D ENVIRONMENTAL MONITORING SCHEDULES

Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 - Environmental Team **Impact Monitoring Schedule (June 2023)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Jun	2-Jun	3-Jun
				Avifauna Survey (Pond 12)		
				Avitauna Survey (Fond 12)		Water Quality Monitoring
4-Jun	5-Jun	6-Jun	7-Jun	8-Jun	9-Jun	10-Jun
	Aquatic Fauna Survey (Water	0.541	, 5411	0 Juli	<i>y</i> 5011	10 541
	Quality Monitoring only)	1hr TSP X 3				
		Noise				
	24hr TSP				24hr TSP	
	Avifauna Survey (Pond 12)					
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
11-Jun	12-Jun	13-Jun	14-Jun	15-Jun	16-Jun	17-Jun
					Aquatic Fauna Survey (Water Quality Monitoring only)	
	1hr TSP X 3				1hr TSP X 3	
	Noise		Herpetofauna Survey	24hr TSP	Avifauna flight line survey	
			Avifauna Survey (Pond 12)			
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
18-Jun	19-Jun	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun
					Aquatic Fauna Survey	
		24hr TSP	1hr TSP X 3			
		24nr TSP	Noise		Avifauna Survey (Pond 12)	
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
25-Jun	26-Jun	27-Jun		29-Jun	30-Jun	
20 044	20 0 411	2, 041	Aquatic Fauna Survey (Water	2, 041	50 0 41	
			Quality Monitoring only)			
		1hr TSP X 3				
	24hr TSP	Noise			24hr TSP	
	Avifauna Survey (Pond 12)					
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	

<u>Air Ouality Monitoring Station</u> DMS-1a - Village House along Ha Wan Tsuen East Road DMS-2B - Site boundary near Village House along Lok Ma Chau DMS-3 - Village house along Old Border Road DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

<u>Noise Monitoring Station</u> NMS-1 - Village House in Ha Wan Tsuen

NMS-2 - Village house along existing Ha Wan Tsuen East Road

NMS-3 - Village house along Old Border Road

NMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

<u>Water Quality Monitoring Station</u> CS1 - Control Station at Old Shenzhen River Meander IS1 - Impact Station at Old Shenzhen River Meander IS2 - Impact Station at Old Shenzhen River Meander IS4 - Impact Station for at Ping Hang Stream CS5 - Control Station at channel at south of Lung Hau Road IS6 - Impact Station next to Lung Hau Road BS1 - Impact Station at Old Shenzhen River Meander (Terminated starting from 28 June 2021- approved by EPD via email dated 22 June 2021)

Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 - Environmental Team **Tentative Impact Monitoring Schedule (July 2023)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sunday	Wonday	Tuesday	wednesday	Thursday	Tituay	1-Jul
						1-501
2-Jul	3-Jul	4-Jul	5-Jul	6-Jul	7-Jul	8-Jul
				Aquatic Fauna Survey		
	1hr TSP X 3				1hr TSP X 3	
	Noise			Avifauna Survey (Pond 12)		
				24hr TSP		
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
9-Jul	10-Jul	11-Jul	12-Jul	13-Jul	14-Jul	15-Jul
			Aquatic Fauna Survey (Water			
			Quality Monitoring only)			
				1hr TSP X 3		
	Avifauna Survey (Pond 12)			Noise		
			24hr TSP			
	Water Quality Monitoring		Water Quality Monitoring		Water Quality Monitoring	
16-Jul	17-Jul	18-Jul	19-Jul	20-Jul		22-Jul
	Aquatic Fauna Survey (Water		.,			
	Quality Monitoring only)					
	Herpetofauna Survey		1hr TSP X 3			
	Avifauna Survey (Pond 12)		Noise		Avifauna flight line survey	
		24hr TSP	1000		i i i i i i i i i i i i i i i i i i i	
	Water Quality Monitoring	2 111 101	Water Quality Monitoring		Water Quality Monitoring	
23-Jul	24-Jul	25-Jul	26-Jul	27-Jul	28-Jul	29-Jul
23-6 ui	2541	25-541	Aquatic Fauna Survey (Water	27-541	20-541	27-341
			Quality Monitoring only)			
		1hr TSP X 3	Quanty monitoring only)			
	Avifauna Survey (Pond 12)	Noise				
	24hr TSP	INDISC			24hr TSP	
			Watan Quality Manite river			
20 7 1	Water Quality Monitoring 31-Jul		Water Quality Monitoring		Water Quality Monitoring	
30-Jul	31-Jul					
	11 TOD X 2					
	1hr TSP X 3					
	Noise					
	Water Quality Monitoring	1 (1 ()				

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

<u>Air Ouality Monitoring Station</u> DMS-1a - Village House along Ha Wan Tsuen East Road DMS-2B - Site boundary near Village House along Lok Ma Chau DMS-3 - Village house along Old Border Road DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

<u>Noise Monitoring Station</u> NMS-1 - Village House in Ha Wan Tsuen

NMS-2 - Village house along existing Ha Wan Tsuen East Road

NMS-3 - Village house along Old Border Road

NMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

<u>Water Quality Monitoring Station</u> CS1 - Control Station at Old Shenzhen River Meander IS1 - Impact Station at Old Shenzhen River Meander

IS2 - Impact Station at Old Shenzhen River Meander

IS4 - Impact Station for at Ping Hang Stream

CS5 - Control Station at channel at south of Lung Hau Road

IS6 - Impact Station next to Lung Hau Road

BS1 - Impact Station at Old Shenzhen River Meander

(Terminated starting from 28 June 2021- approved by EPD

via email dated 22 June 2021)

APPENDIX E 1-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATION

Location DMS-1a - Village House along Ha Wan Tsuen East Road					
Date	Time	Weather	Particulate Concentration (µg/m ³)		
6-Jun-23	8:50	Sunny	46.1		
6-Jun-23	9:50	Sunny	58.1		
6-Jun-23	10:50	Sunny	71.6		
12-Jun-23	8:30	Sunny	54.8		
12-Jun-23	9:30	Sunny	61.9		
12-Jun-23	10:30	Sunny	65.5		
16-Jun-23	8:30	Rainy	18.9		
16-Jun-23	9:30	Rainy	19.6		
16-Jun-23	10:30	Rainy	11.6		
21-Jun-23	8:00	Sunny	39.8		
21-Jun-23	9:00	Sunny	56.2		
21-Jun-23	10:00	Sunny	71.3		
27-Jun-23	8:40	Sunny	13.6		
27-Jun-23	9:40	Sunny	10.3		
27-Jun-23	10:40	Sunny	16.4		
		Minimum	10.3		
		Maximum	71.6		
		Average	41.0		

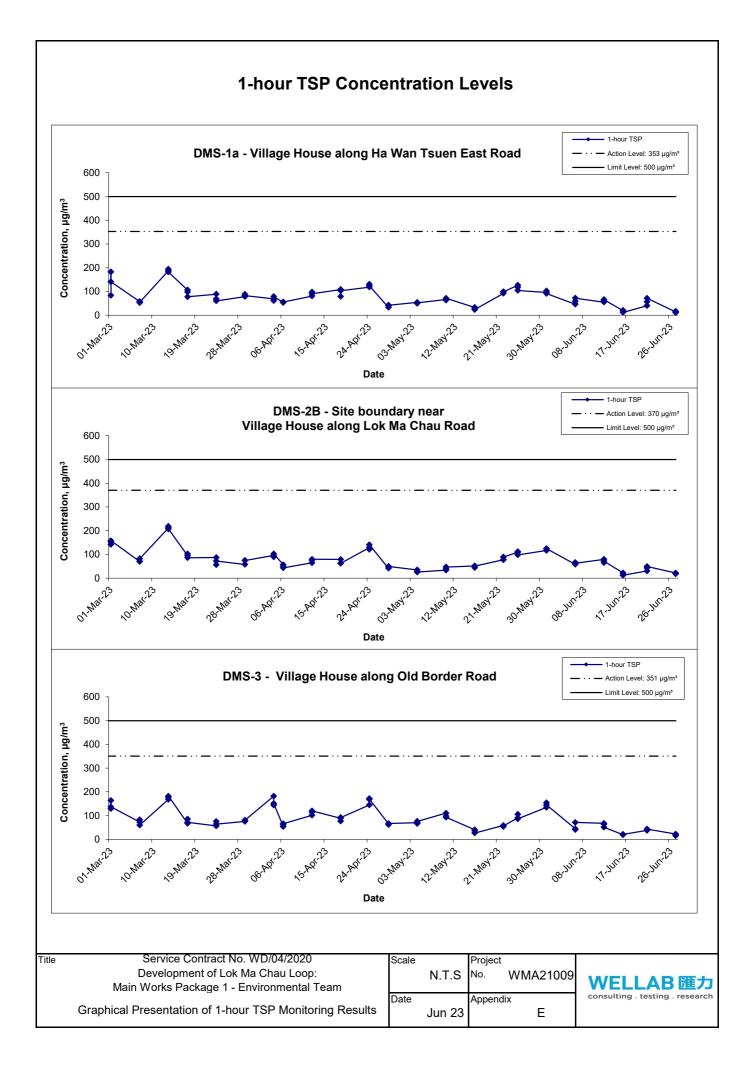
Appendix E - 1-hour TSP Monitoring Results

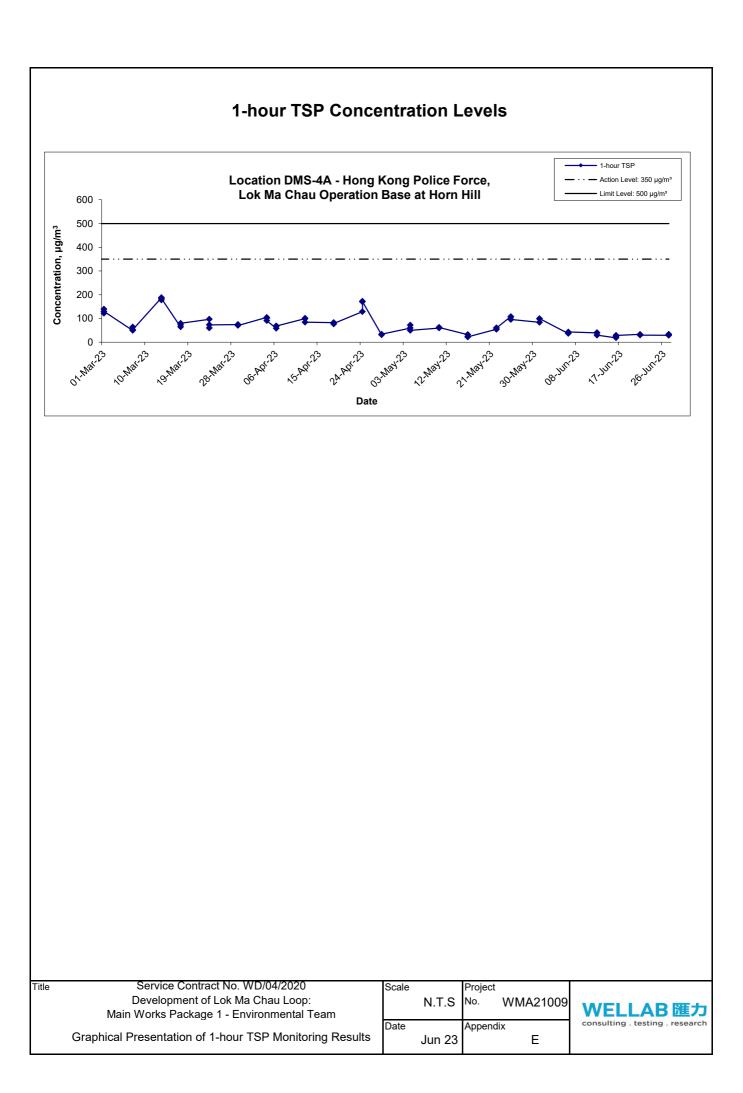
Location DMS-2B - Site boundary near Village House along Lok Ma Chau Road					
Date	Time	Weather	Particulate Concentration (µg/m ³)		
6-Jun-23	8:45	Fine	58.0		
6-Jun-23	9:45	Fine	65.8		
6-Jun-23	10:45	Fine	62.7		
12-Jun-23	8:45	Sunny	79.1		
12-Jun-23	9:45	Sunny	64.9		
12-Jun-23	10:45	Sunny	71.7		
16-Jun-23	8:00	Rainy	21.8		
16-Jun-23	9:00	Rainy	20.1		
16-Jun-23	10:00	Rainy	11.9		
21-Jun-23	8:00	Sunny	30.1		
21-Jun-23	9:00	Sunny	42.5		
21-Jun-23	10:00	Sunny	48.9		
27-Jun-23	8:30	Sunny	21.4		
27-Jun-23	9:30	Sunny	20.6		
27-Jun-23	10:30	Sunny	17.7		
		Minimum	11.9		
		Maximum	79.1		
		Average	42.5		

ocation DMS-3 - Village House along Old Border Road				
Date	Time	Weather	Particulate Concentration (µg/m ³)	
6-Jun-23	8:00	Fine	44.0	
6-Jun-23	9:00	Fine	40.7	
6-Jun-23	10:00	Fine	71.1	
12-Jun-23	8:00	Sunny	67.0	
12-Jun-23	9:00	Sunny	63.4	
12-Jun-23	10:00	Sunny	50.6	
16-Jun-23	8:00	Rainy	19.3	
16-Jun-23	9:00	Rainy	20.4	
16-Jun-23	10:00	Rainy	20.5	
21-Jun-23	8:30	Sunny	37.5	
21-Jun-23	9:30	Sunny	38.8	
21-Jun-23	10:30	Sunny	43.2	
27-Jun-23	8:00	Sunny	21.7	
27-Jun-23	9:00	Sunny	15.4	
27-Jun-23	10:00	Sunny	20.4	
		Minimum	15.4	
		Maximum	71.1	
		Average	38.3	

Appendix E - 1-hour TSP Monitoring Results

Location DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill					
Date	Time	Weather	Particulate Concentration (µg/m ³)		
6-Jun-23	13:10	Fine	36.5		
6-Jun-23	14:10	Fine	37.7		
6-Jun-23	15:10	Fine	43.0		
12-Jun-23	8:10	Sunny	38.9		
12-Jun-23	9:10	Sunny	39.9		
12-Jun-23	10:10	Sunny	29.5		
16-Jun-23	13:00	Rainy	18.3		
16-Jun-23	14:00	Rainy	24.0		
16-Jun-23	15:00	Rainy	28.7		
21-Jun-23	13:00	Sunny	33.0		
21-Jun-23	14:00	Sunny	30.7		
21-Jun-23	15:00	Sunny	29.7		
27-Jun-23	13:30	Sunny	28.9		
27-Jun-23	14:30	Sunny	33.6		
27-Jun-23	15:30	Sunny	31.0		
		Minimum	18.3		
		Maximum	43.0		
		Average	32.2		





APPENDIX F 24-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix F - 24-hour TSP Monitoring Results

Location DMS-	1a - Village H	louse along Ha Wa	n Tsuen East Road
Date	Time	Weather	Particulate Concentration (µg/m ³)
5-Jun-23	8:30	Fine	55.2
9-Jun-23	8:35	Sunny	21.9
15-Jun-23	8:45	Rainy	24.2
20-Jun-23	10:20	Sunny	59.5
26-Jun-23	8:30	Sunny	15.7
30-Jun-23	10:30	Cloudy	15.9
		Minimum	15.7
		Maximum	59.5
		Average	32.1

Location DMS-	2B - Site bou	Indary near Village	House along Lok Ma Chau Road
Date	Time	Weather	Particulate Concentration (µg/m ³)
5-Jun-23	8:45	Sunny	47.6
9-Jun-23	8:00	Sunny	11.5
15-Jun-23	9:00	Rainy	22.5
20-Jun-23	8:00	Sunny	42.7
26-Jun-23	8:30	Sunny	39.1
30-Jun-23	11:00	Cloudy	21.4
		Minimum	11.5
		Maximum	47.6
		Average	30.8

Appendix F - 24-hour TSP Monitoring Results

Location DMS-3 - Village House along Old Border Road

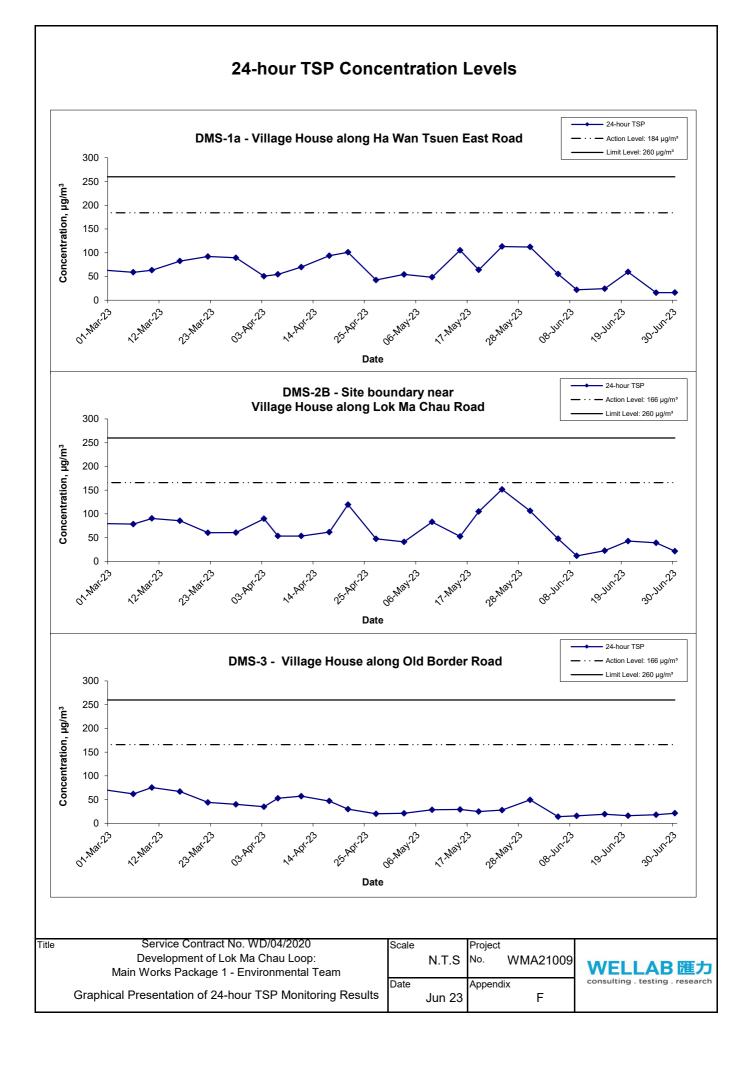
Start Date	Weather	Air	Atmospheric	Filter W	eight (g)	Particulate	Elapse	e Time	Sampling	Flow Rate	(m ³ /min.)	Av. flow	Total vol.	Conc.
Start Date	Condition	Temp. (K)	Pressure, Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time(hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)
5-Jun-23	Sunny	302.1	759.2	2.9171	2.9415	0.0244	4128.8	4152.8	24.0	1.206	1.206	1.206	1736.4	14.1
9-Jun-23	Sunny	300.1	758.0	2.8992	2.9267	0.0275	4152.8	4176.8	24.0	1.210	1.208	1.209	1740.9	15.8
15-Jun-23	Rainy	299.5	756.1	2.9219	2.9554	0.0335	4226.0	4250.0	24.0	1.208	1.209	1.209	1740.6	19.2
20-Jun-23	Cloudy	300.3	758.0	2.8971	2.9251	0.0280	4250.0	4274.0	24.0	1.210	1.207	1.209	1740.4	16.1
26-Jun-23	Sunny	299.3	759.0	2.9458	2.9774	0.0316	4274.0	4298.0	24.0	1.212	1.211	1.212	1744.7	18.1
30-Jun-23	Sunny	300.1	758.1	2.9540	2.9914	0.0374	4309.2	4333.2	24.0	1.224	1.219	1.221	1759.0	21.3
													Min	14.1
													Max	21.3

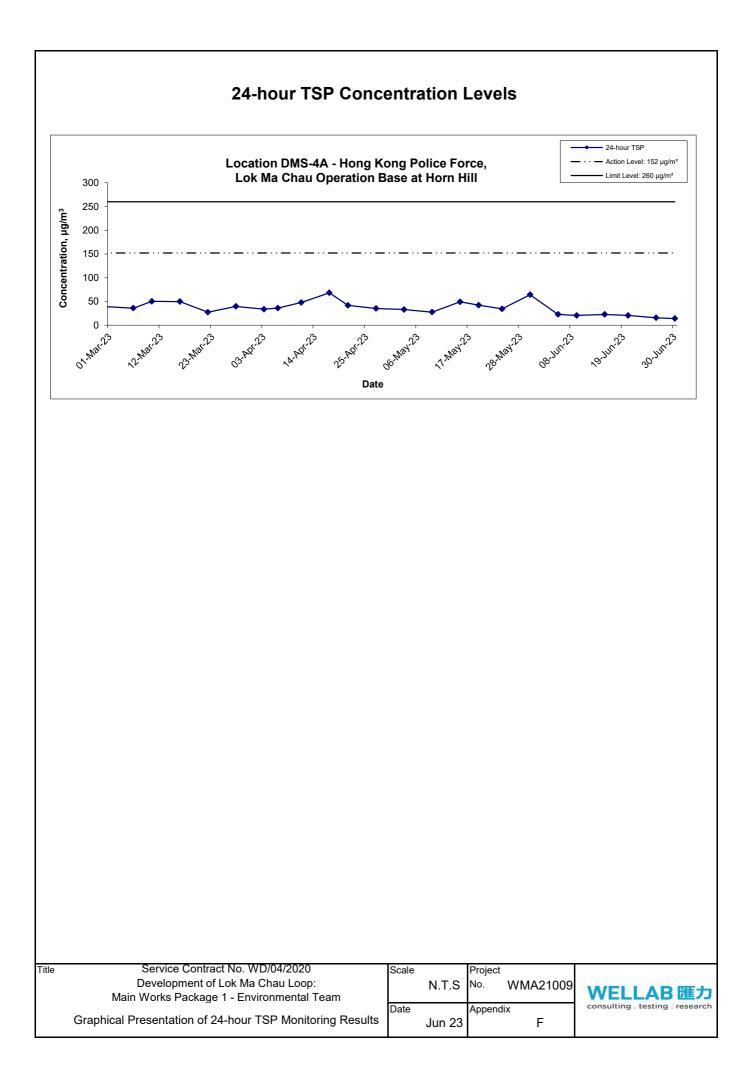
Average 17.4

Location DMS-4A - Hong Kong Police Force, Lok Ma Chau Operation Base at Horn Hill

Start Date	Weather	Air	Atmospheric	Filter W	eight (g)	Particulate	Elapse	e Time	Sampling	Flow Rate	e (m ³ /min.)	Av. flow	Total vol.	Conc.
Start Date	Condition	Temp. (K)	Pressure, Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time(hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)
5-Jun-23	Sunny	302.1	759.2	2.9597	2.9992	0.0395	33650.6	33674.6	24.0	1.205	1.206	1.206	1736.4	22.7
9-Jun-23	Sunny	300.1	758.0	2.9316	2.9674	0.0358	33674.6	33698.6	24.0	1.211	1.208	1.209	1741.6	20.6
15-Jun-23	Rainy	299.5	756.1	2.9420	2.9816	0.0396	33698.6	33722.6	24.0	1.209	1.209	1.209	1741.2	22.7
20-Jun-23	Cloudy	300.3	758.0	2.9490	2.9846	0.0356	33722.6	33746.6	24.0	1.211	1.207	1.209	1740.9	20.4
26-Jun-23	Sunny	299.3	759.0	2.9771	3.0045	0.0274	33746.6	33770.6	24.0	1.213	1.212	1.212	1745.9	15.7
30-Jun-23	Sunny	300.1	758.1	2.9624	2.9869	0.0245	33770.6	33794.6	24.0	1.226	1.219	1.222	1760.2	13.9
													Min	13.9
													Max	20.7

Max 22.7 Average 19.4





APPENDIX G NOISE MONITORING RESULTS AND GRAPHICAL PRESENTATION

Appendix G - Noise Monitoring Results

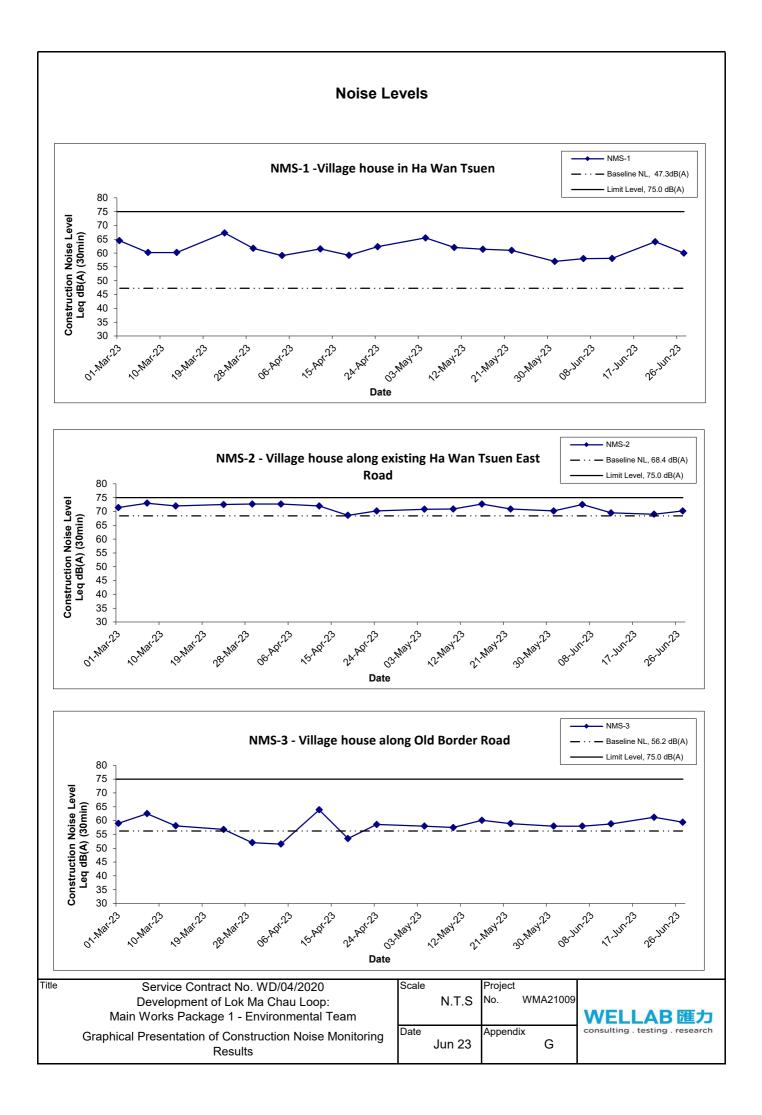
Location NMS-	1 -Village ho	use in Ha W				A	Decelaria
Date	Weather	Time	Un	it: dB (A) (5-n	nin)	Average	Baseline Level
Duto	Woulder	11110	L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
		09:35	56.1	58.2	53.2		
		09:40	56.2	58.7	53.0		
6-Jun-23	Cloudy	09:45	57.3	60.4	53.4	58.0	
0-3011-23	Cloudy	09:50	57.3	59.9	53.8	50.0	
		09:55	55.7	58.3	52.5		
		10:00	61.9	64.7	54.2		
		09:30	59.1	61.9	55.2		
		09:35	60.0	60.9	53.0		
12-Jun-23	Sunny	09:40	58.6	59.3	53.4	58.1	
12-5011-25	Sunny	09:45	58.1	61.3	52.6	50.1	
		09:50	55.4	58.5	51.9		
		09:55	55.9	57.9	51.9		47.0
		10:20	61.4	64.9	56.9		47.3
		10:25	61.6	64.8	57.2		
21-Jun-23	Sunny	10:30	61.8	64.7	57.1	64.1	
21-Jun-23	Sunny	10:35	63.0	67.9	58.1	04.1	
		10:40	60.3	63.1	57.1		
		10:45	69.1	71.5	59.0		
		09:05	58.1	60.7	55.0		
		09:10	57.8	60.1	55.1		
27-Jun-23	Sunny	09:15	61.1	65.1	54.8	60.0	
21-Jull-23	Sunny	09:20	62.2	66.3	55.2	00.0	
		09:25	59.2	62.0	55.4		
		09:30	59.6	63.3	54.6		

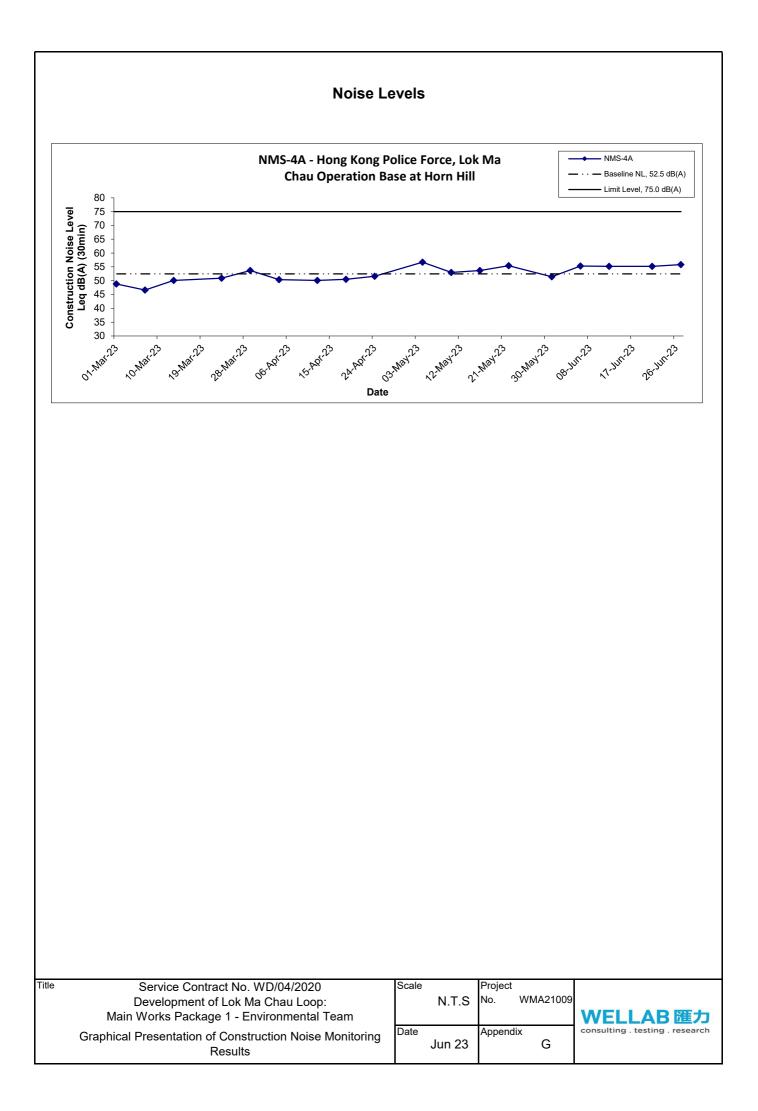
Location NMS	-2 - Village ho	ouse along e	xisting Ha V	Van Tsuen E	ast Road		
Date	Weather	Time	Un	it: dB (A) (5-r	nin)	Average	Baseline Level
Dale	weather	Time	L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
		08:30	71.7	74.8	63.2		
		08:35	70.7	73.6	62.9		
6-Jun-23	Cloudy	08:40	73.5	74.8	63.8	72.5	
0-Jun-23	Cloudy	08:45	73.8	77.7	63.5	12.5	
		08:50	70.2	73.6	60.3		
		08:55	73.5	77.4	65.7		
		10:10	70.8	74.6	61.9		
		10:15	68.6	72.4	57.7		
12-Jun-23	Sunny	10:20	68.2	71.2	57.1	69.5	
12-Juli-23	Sunny	10:25	70.7	74.5	58.2	09.5	
		10:30	69.1	72.6	57.3		
		10:35	68.8	72.8	57.1		68.4
		09:30	68.3	71.5	58.3		08.4
		09:35	68.8	72.1	60.6		
21-Jun-23	Sunny	09:40	68.3	70.8	58.5	69.0	
21-Juli-23	Sunny	09:45	69.3	72.2	59.8	09.0	
		09:50	70.4	73.5	60.1		
		09:55	68.4	71.9	59.1		
		09:45	66.6	69.3	59.7		
		09:50	69.7	73.4	60.5		
07 Jun 00	Cuppy	09:55	67.9	71.9	61.2	70.0	
27-Jun-23	Sunny	10:00	73.2	76.1	60.6	70.2	
		10:05	71.9	75.1	61.7		
		10:10	68.4	73.3	60.3		

Appendix G - Noise Monitoring Results

Location NMS	-5 - Village IIC	use along C		it: dB (A) (5-n	nin)	Average	Baseline Level
Date	Weather	Time			,		
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
		11:05	58.5	59.5	57.4		
		11:10	58.2	59.2	57.1		
6-Jun-23	Sunny	11:15	57.9	58.4	57.2	58.0	
0 0011 20	Cunny	11:20	57.9	58.6	57.1	00.0	
		11:25	57.5	58.0	57.1		
		11:30	57.9	58.4	56.9		
		08:10	58.6	59.2	57.8		
		08:15	58.4	58.7	57.6		
12-Jun-23	un-23 Sunny	08:20	60.2	64.1	58.0	58.8	
12-Jun-23	Sunny	08:25	58.3	58.8	57.8	0.00	
		08:30	58.7	59.6	57.5		
		08:35	58.5	60.0	57.3		50.0
		08:30	65.1	66.3	58.3		56.2
		08:35	59.5	59.5	58.3		
04 1	0	08:40	59.2	59.6	57.8	04.0	
21-Jun-23	Sunny	08:45	58.6	59.0	57.6	61.2	
		08:50	62.0	68.2	57.8		
		08:55	58.6	59.3	57.8		
		11:25	59.5	59.7	57.9		1
		11:30	58.8	60.5	57.7		
07 1 00		11:35	58.6	59.4	57.4	50.4	
27-Jun-23	Sunny	11:40	59.6	59.9	57.4	59.4	
		11:45	60.5	64.3	57.8		
		11:50	59.1	59.1	57.3		

Location NMS	-4A - Hong K	ong Police F	orce, Lok M	a Chau Oper	ation Base a	at Horn Hill	
Date	Weather	Time	Un	it: dB (A) (5-r	nin)	Average	Baseline Level
Date	weather	Time	L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
		14:15	56.7	59.4	52.6		
		14:20	56.5	59.4	52.5		
6-Jun-23	Cloudy	14:25	55.3	58.2	50.7	55.3	
0-Jun-23	Cloudy	14:30	54.1	57.0	49.9	55.5	
		14:35	55.1	58.3	49.8		
		14:40	53.4	56.9	48.3		
		11:30	56.9	58.1	54.4		
		11:35	59.4	61.9	52.9		
12-Jun-23	Sunny	11:40	54.2	58.3	49.1	55.2	
12-Juli-23	Sunny	11:45	52.5	54.9	49.4	55.2	
		11:50	49.3	49.8	46.6		
		11:55	49.7	52.2	46.4		52.5
		15:35	59.3	63.8	51.9		52.5
		15:40	57.2	64.1	51.8		
21-Jun-23	Sunny	15:45	51.9	53.9	50.5	55.2	
21-Jun-23	Sunny	15:50	51.3	52.4	50.0	55.2	
		15:55	51.7	52.9	50.1		
		16:00	51.9	53.1	50.2		
		15:35	55.8	55.9	55.6		
		15:40	55.8	56.0	55.6		
27-Jun-23	Sunny	15:45	55.8	56.0	55.7	55.8	
21-Juli-23	Sunny	15:50	55.8	55.9	55.7	55.6	
		15:55	55.8	56.0	55.7		
		16:00	55.8	55.9	55.6		





APPENDIX H WATER QUALITY MONITORING RESULTS AND GRAPHICAL PRESENTATION

Water Quality Monitoring Results at CS1

Date	Weather	Sea	Sampling	Dent	h (m)	Tempera	ature (°C)	F	эΗ	Salin	ity ppt	DO Satu	ration (%)	Dissolved O	xygen (mg/L)	Turbid	ity(NTU)	Suspended	Solids (mg/L)
Date	Condition	Condition**	Time	Бері		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3-Jun-23	Sunny	Calm	11:00	Middle	0.5	34.0 34.0	34.0	8.8 8.8	8.8	2.8 2.8	2.8	65.1 65.1	65.1	4.5 4.5	4.5	9.0 8.8	8.9	14 14	14.0
5-Jun-23	Sunny	Calm	11:06	Middle	0.5	33.9 33.9	33.9	8.5 8.5	8.5	2.7 2.7	2.7	85.8 85.7	85.8	6.0 6.0	6.0	8.9 9.0	9.0	21 21	21.0
7-Jun-23	Cloudy	Calm	10:34	Middle	0.5	31.8 31.8	31.8	8.3 8.2	8.3	2.7 2.7	2.7	61.0 61.7	61.4	4.4 4.5	4.5	11.1 11.1	11.1	14 14	14.0
9-Jun-23	Cloudy	Calm	14:58	Middle	0.5	32.0 32.0	32.0	8.1 8.1	8.1	2.4 2.4	2.4	65.9 66.2	66.1	4.8 4.8	4.8	6.5 6.5	6.5	8 8	8.0
12-Jun-23	Sunny	Calm	08:48	Middle	0.6	32.4 32.4	32.4	8.3 8.3	8.3	2.4 2.4	2.4	67.9 67.7	67.8	4.9 4.9	4.9	9.3 9.2	9.3	9 10	9.5
14-Jun-23	Cloudy	Calm	10:59	Middle	0.2	31.9 31.9	31.9	7.5 7.5	7.5	2.5 2.5	2.5	59.4 59.0	59.2	4.3 4.3	4.3	5.3 5.3	5.3	5 6	5.5
16-Jun-23	Rainy	Calm	11:44	Middle	0.6	29.5 29.5	29.5	7.7 7.7	7.7	2.0 2.0	2.0	82.6 82.3	82.5	6.2 6.2	6.2	8.8 8.5	8.7	15 13	14.0
19-Jun-23	Sunny	Calm	12:59	Middle	0.2	28.3 28.3	28.3	6.1 6.1	6.1	0.1 0.1	0.1	63.6 63.6	63.6	5.0 5.0	5.0	8.2 8.1	8.2	21 18	19.5
21-Jun-23	Sunny	Calm	11:23	Middle	0.5	32.9 32.8	32.9	8.5 8.5	8.5	1.5 1.5	1.5	126.3 126.2	126.3	9.0 9.0	9.0	7.1 7.1	7.1	10 9	9.5
23-Jun-23	Cloudy	Calm	11:45	Middle	0.2	31.6 31.6	31.6	7.0 7.0	7.0	1.3 1.3	1.3	103.0 103.1	103.1	7.5 7.5	7.5	16.3 16.3	16.3	20 17	18.5
26-Jun-23	Cloudy	Calm	09:50	Middle	0.5	31.1 31.1	31.1	7.9 7.9	7.9	1.3 1.3	1.3	65.7 65.5	65.6	4.8 4.8	4.8	11.2 11.1	11.2	18 18	18.0
28-Jun-23	Cloudy	Calm	10:03	Middle	0.5	30.8 30.8	30.8	7.7 7.7	7.7	1.2 1.2	1.2	61.4 60.4	60.9	4.6 4.5	4.6	9.4 9.5	9.5	11 13	12.0
30-Jun-23	Sunny	Calm	11:11	Middle	0.2	33.7 33.7	33.7	7.7 7.7	7.7	1.2 1.2	1.2	127.6 128.3	128.0	9.0 9.1	9.1	8.6 8.6	8.6	12 10	11.0

Water Quality Monitoring Results at CS5

Date	Weather	Sea	Sampling	Dent	h (m)	Tempera	ature (°C)	F	эΗ	Salin	ity ppt	DO Satu	ration (%)	Dissolved O	xygen (mg/L)	Turbid	ity(NTU)	Suspended	Solids (mg/L)
Date	Condition	Condition**	Time	Бері		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3-Jun-23	Sunny	Calm	10:00	Middle	0.1	30.4 30.4	30.4	8.4 8.3	8.4	0.4 0.4	0.4	59.8 59.7	59.8	4.5 4.5	4.5	35.0 34.7	34.9	36 38	37.0
5-Jun-23	Sunny	Calm	10:16	Middle	0.1	29.5 29.5	29.5	8.3 8.2	8.3	0.5 0.5	0.5	64.7 64.1	64.4	4.9 4.9	4.9	23.3 22.8	23.1	24 24	24.0
7-Jun-23	Cloudy	Calm	09:36	Middle	0.1	28.3 28.3	28.3	8.3 8.3	8.3	0.3 0.3	0.3	56.8 56.7	56.8	4.4 4.4	4.4	8.3 8.4	8.4	6 7	6.5
9-Jun-23	Cloudy	Calm	14:16	Middle	0.2	29.6 29.6	29.6	8.1 8.1	8.1	0.4 0.4	0.4	64.5 64.6	64.6	4.9 4.9	4.9	17.4 17.4	17.4	17 15	16.0
12-Jun-23	Sunny	Calm	09:31	Middle	0.1	28.1 28.1	28.1	8.2 8.2	8.2	0.3 0.3	0.3	82.7 82.2	82.5	6.5 6.4	6.5	5.8 5.9	5.9	6 7	6.5
14-Jun-23	Cloudy	Calm	09:52	Middle	0.1	27.7 27.7	27.7	7.7 7.7	7.7	0.1 0.1	0.1	90.8 90.6	90.7	7.1 7.1	7.1	9.7 9.6	9.7	6 5	5.5
16-Jun-23	Rainy	Calm	10:42	Middle	0.2	27.7 27.7	27.7	8.1 8.1	8.1	0.2 0.2	0.2	72.4 71.9	72.2	5.7 5.7	5.7	25.3 25.2	25.3	15 15	15.0
19-Jun-23	Sunny	Calm	11:47	Middle	0.2	29.2 29.2	29.2	7.4 7.4	7.4	0.3 0.3	0.3	69.0 68.9	69.0	5.3 5.3	5.3	52.2 53.9	53.1	60 69	64.5
21-Jun-23	Sunny	Calm	10:34	Middle	0.1	29.3 29.3	29.3	8.3 8.3	8.3	0.5 0.5	0.5	55.6 55.5	55.6	4.3 4.2	4.3	11.8 11.9	11.9	10 12	11.0
23-Jun-23	Cloudy	Calm	10:38	Middle	0.1	29.8 29.8	29.8	7.3 7.3	7.3	0.5 0.5	0.5	95.3 95.4	95.4	7.2 7.2	7.2	12.0 12.0	12.0	9 10	9.5
26-Jun-23	Cloudy	Calm	08:52	Middle	0.1	28.2 28.2	28.2	8.2 8.2	8.2	0.5 0.5	0.5	92.3 92.2	92.3	7.2 7.2	7.2	5.6 5.5	5.6	11 12	11.5
28-Jun-23	Cloudy	Calm	09:11	Middle	0.1	27.8 27.8	27.8	8.1 8.1	8.1	0.4 0.4	0.4	58.9 58.5	58.7	4.6 4.6	4.6	8.9 8.8	8.9	8 7	7.5
30-Jun-23	Sunny	Calm	10:01	Middle	0.1	29.4 29.4	29.4	6.7 6.7	6.7	0.4 0.4	0.4	82.6 82.5	82.6	6.3 6.3	6.3	8.9 8.8	8.9	7 6	6.5

Water Quality Monitoring Results at IS1

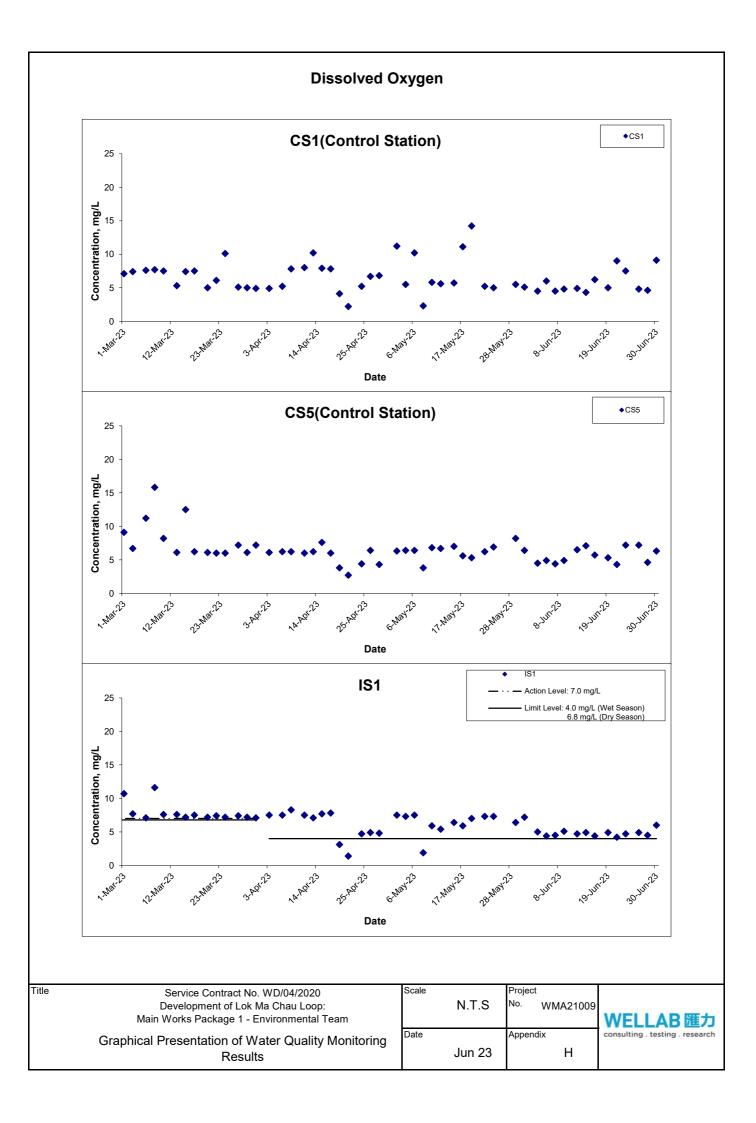
Date	Weather	Sea	Sampling	Dent	:h (m)	Tempera	ature (°C)	F	ъН	Salin	ity ppt	DO Satu	ration (%)	Dissolved O	xygen (mg/L)	Turbidi	ity(NTU)	Suspended	Solids (mg/L)
Date	Condition	Condition**	Time	Depi	()	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3-Jun-23	Sunny	Calm	10:32	Middle	0.5	33.6 33.6	33.6	8.3 8.2	8.3	2.8 2.8	2.8	71.3 71.0	71.2	5.0 5.0	5.0	9.8 9.9	9.9	11 13	12.0
5-Jun-23	Sunny	Calm	10:55	Middle	0.5	32.1 32.1	32.1	8.0 8.0	8.0	2.5 2.5	2.5	62.2 60.3	61.3	4.5 4.3	4.4	14.5 13.1	13.8	17 17	17.0
7-Jun-23	Cloudy	Calm	10:13	Middle	0.4	30.6 30.6	30.6	7.6 7.6	7.6	2.6 2.6	2.6	61.1 60.9	61.0	4.5 4.5	4.5	8.5 8.4	8.5	10 11	10.5
9-Jun-23	Cloudy	Calm	14:34	Middle	0.5	31.3 31.3	31.3	7.7 7.7	7.7	2.3 2.3	2.3	70.0 70.3	70.2	5.1 5.1	5.1	18.0 18.3	18.2	15 15	15.0
12-Jun-23	Sunny	Calm	09:01	Middle	0.5	31.6 31.6	31.6	8.1 8.1	8.1	2.3 2.3	2.3	64.4 64.1	64.3	4.7 4.7	4.7	7.6 7.2	7.4	6 7	6.5
14-Jun-23	Cloudy	Calm	10:40	Middle	0.3	31.8 31.8	31.8	7.3 7.3	7.3	2.3 2.3	2.3	68.3 68.1	68.2	4.9 4.9	4.9	6.7 6.6	6.7	8 8	8.0
16-Jun-23	Rainy	Calm	11:14	Middle	0.5	26.9 26.9	26.9	6.9 6.9	6.9	0.4 0.4	0.4	54.6 54.4	54.5	4.4 4.3	4.4	26.0 26.2	26.1	14 13	13.5
19-Jun-23	Sunny	Calm	12:45	Middle	0.3	28.6 28.6	28.6	6.2 6.2	6.2	0.1 0.1	0.1	63.0 62.4	62.7	4.9 4.8	4.9	7.0 7.2	7.1	19 17	18.0
21-Jun-23	Sunny	Calm	11:10	Middle	0.5	28.1 28.1	28.1	7.6 7.6	7.6	0.2 0.2	0.2	54.1 53.6	53.9	4.2 4.2	4.2	9.0 9.0	9.0	8 9	8.5
23-Jun-23	Cloudy	Calm	11:29	Middle	0.3	30.1 30.1	30.1	6.0 6.0	6.0	0.6 0.6	0.6	62.2 61.4	61.8	4.7 4.6	4.7	17.8 17.8	17.8	14 14	14.0
26-Jun-23	Cloudy	Calm	09:23	Middle	0.5	27.1 27.0	27.1	7.4 7.4	7.4	0.1 0.1	0.1	61.5 61.2	61.4	4.9 4.9	4.9	14.2 14.1	14.2	11 13	12.0
28-Jun-23	Cloudy	Calm	09:40	Middle	0.5	26.9 26.9	26.9	7.0 7.0	7.0	0.1 0.1	0.1	56.7 56.2	56.5	4.5 4.5	4.5	20.9 20.6	20.8	21 22	21.5
30-Jun-23	Sunny	Calm	10:45	Middle	0.3	29.2 29.2	29.2	6.4 6.4	6.4	0.4 0.4	0.4	78.4 78.1	78.3	6.0 6.0	6.0	10.9 11.0	11.0	20 21	20.5

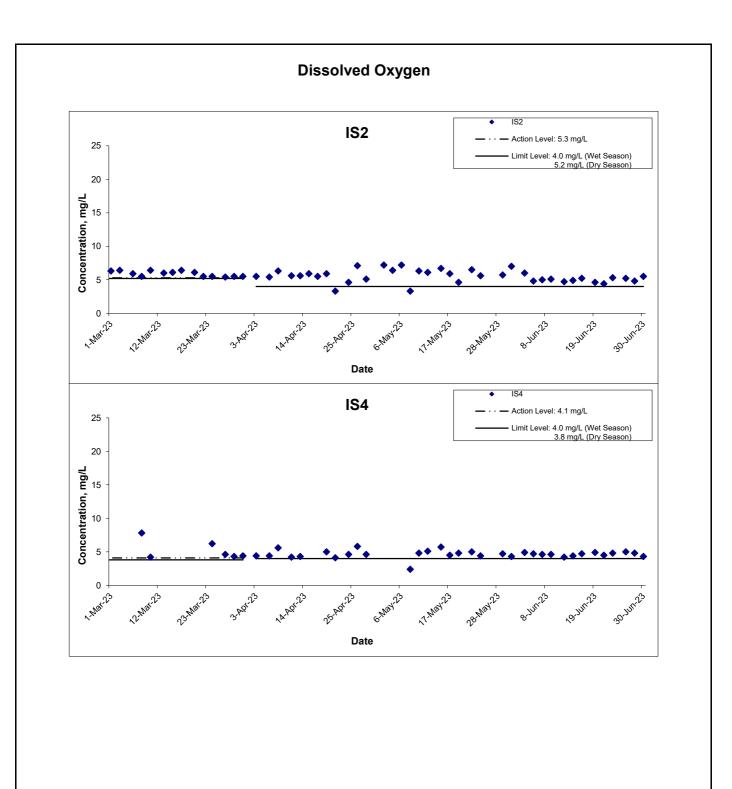
Water Quality Monitoring Results at IS2

Date	Weather	Sea	Sampling	Dent	h (m)	Tempera	ature (°C)	p	ъH	Salin	ity ppt	DO Satu	ration (%)	Dissolved O	xygen (mg/L)	Turbidi	ity(NTU)	Suspended	Solids (mg/L)
Date	Condition	Condition**	Time	Depi	()	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3-Jun-23	Sunny	Calm	09:43	Middle	0.1	31.7 31.8	31.8	8.1 8.1	8.1	3.5 3.5	3.5	83.0 83.0	83.0	6.0 6.0	6.0	25.9 26.0	26.0	37 38	37.5
5-Jun-23	Sunny	Calm	10:01	Middle	0.1	30.4 30.4	30.4	8.3 8.3	8.3	8.9 8.9	8.9	67.3 67.2	67.3	4.8 4.8	4.8	32.3 32.8	32.6	26 27	26.5
7-Jun-23	Cloudy	Calm	09:20	Middle	0.2	30.3 30.3	30.3	7.8 7.8	7.8	3.2 3.2	3.2	67.4 67.2	67.3	5.0 5.0	5.0	26.6 26.7	26.7	29 28	28.5
9-Jun-23	Cloudy	Calm	13:40	Middle	0.1	29.9 29.9	29.9	8.1 8.1	8.1	2.5 2.5	2.5	67.8 67.6	67.7	5.1 5.1	5.1	19.4 19.3	19.4	24 27	25.5
12-Jun-23	Sunny	Calm	09:47	Middle	0.1	30.2 30.2	30.2	7.9 7.9	7.9	0.4 0.4	0.4	62.6 62.4	62.5	4.7 4.7	4.7	33.3 33.3	33.3	31 37	34.0
14-Jun-23	Cloudy	Calm	10:16	Middle	0.2	30.2 30.2	30.2	7.2 7.2	7.2	0.7 0.7	0.7	65.7 65.4	65.6	4.9 4.9	4.9	15.5 15.4	15.5	37 35	36.0
16-Jun-23	Rainy	Calm	10:32	Middle	0.2	28.0 28.0	28.0	7.9 7.9	7.9	0.3 0.3	0.3	66.8 66.8	66.8	5.2 5.2	5.2	31.0 30.8	30.9	31 33	32.0
19-Jun-23	Sunny	Calm	11:58	Middle	0.1	29.4 29.4	29.4	7.1 7.1	7.1	0.3 0.3	0.3	60.8 60.7	60.8	4.6 4.6	4.6	29.4 29.5	29.5	26 23	24.5
21-Jun-23	Sunny	Calm	10:22	Middle	0.1	30.6 30.4	30.5	9.0 8.2	8.6	0.4 0.4	0.4	57.7 58.6	58.2	4.3 4.4	4.4	30.8 31.0	30.9	32 31	31.5
23-Jun-23	Cloudy	Calm	10:57	Middle	0.1	30.7 30.7	30.7	6.5 6.5	6.5	0.4 0.4	0.4	69.2 71.5	70.4	5.2 5.3	5.3	26.6 26.4	26.5	32 33	32.5
26-Jun-23	Cloudy	Calm	08:38	Middle	0.1	29.3 29.3	29.3	7.8 7.8	7.8	0.4 0.4	0.4	68.0 67.8	67.9	5.2 5.2	5.2	22.1 22.2	22.2	19 21	20.0
28-Jun-23	Cloudy	Calm	08:53	Middle	0.1	29.5 29.5	29.5	8.0 8.0	8.0	0.3 0.3	0.3	62.8 61.7	62.3	4.8 4.7	4.8	27.9 28.6	28.3	30 32	31.0
30-Jun-23	Sunny	Calm	10:14	Middle	0.1	30.7 30.7	30.7	6.8 6.8	6.8	0.3 0.3	0.3	72.0 73.4	72.7	5.4 5.5	5.5	21.2 21.3	21.3	30 35	32.5

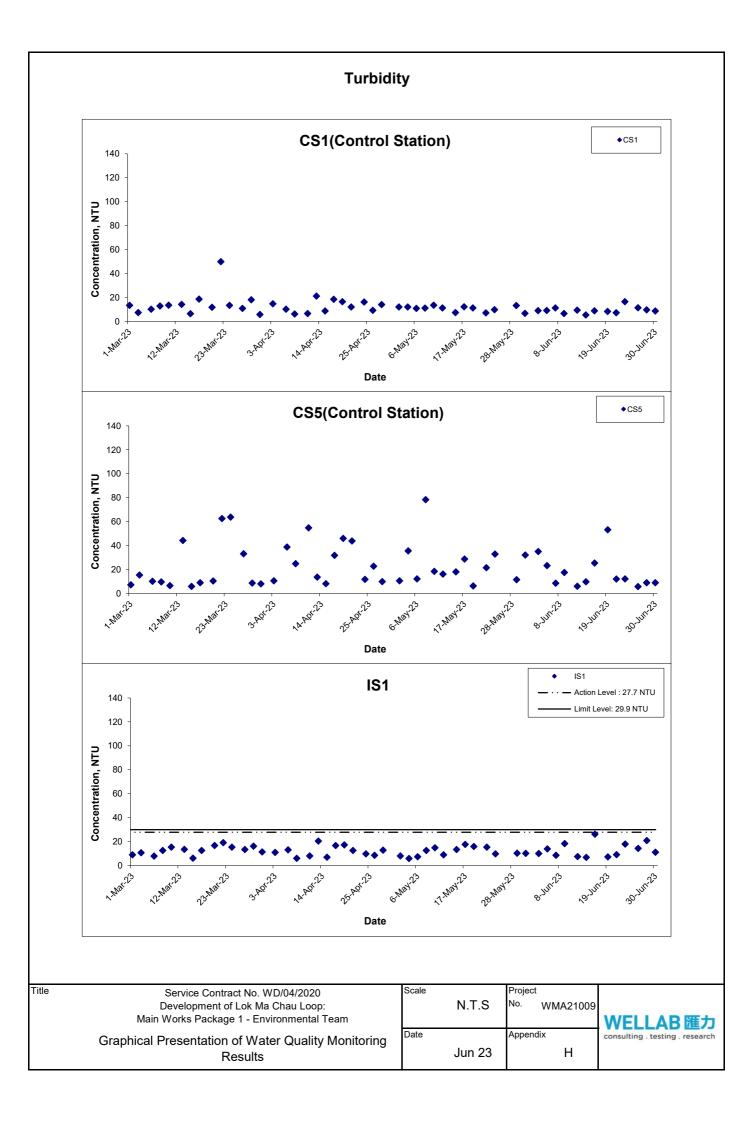
Water Quality Monitoring Results at IS4

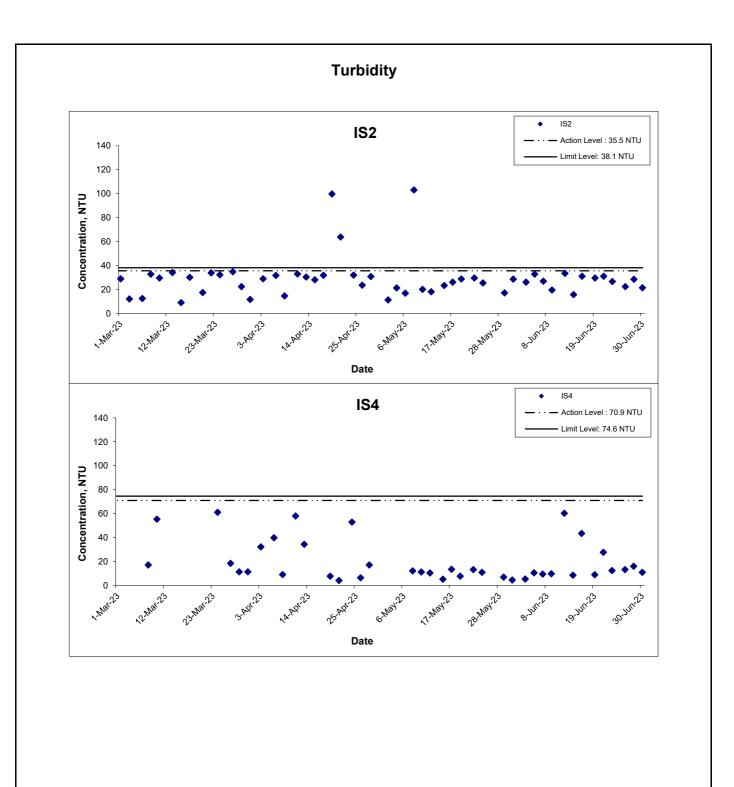
Date	Weather	Sea	Sampling	Dent	h (m)	Tempera	ature (°C)	F	эΗ	Salin	ity ppt	DO Satu	ration (%)	Dissolved O	xygen (mg/L)	Turbidi	ity(NTU)	Suspended	Solids (mg/L)
Date	Condition	Condition**	Time	Бері		Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
3-Jun-23	Sunny	Calm	10:13	Middle	0.1	28.2 28.2	28.2	7.5 7.5	7.5	0.1 0.1	0.1	63.4 63.0	63.2	4.9 4.9	4.9	5.4 5.1	5.3	14 16	15.0
5-Jun-23	Sunny	Calm	10:28	Middle	0.1	28.6 28.6	28.6	7.6 7.6	7.6	0.1 0.1	0.1	60.4 60.0	60.2	4.7 4.6	4.7	10.5 10.4	10.5	8 7	7.5
7-Jun-23	Cloudy	Calm	10:04	Middle	0.2	27.6 27.6	27.6	7.2 7.2	7.2	0.2 0.2	0.2	58.2 57.9	58.1	4.6 4.6	4.6	9.4 9.3	9.4	10 9	9.5
9-Jun-23	Cloudy	Calm	14:26	Middle	0.2	27.6 27.6	27.6	7.8 7.7	7.8	0.1 0.1	0.1	58.6 58.0	58.3	4.6 4.6	4.6	9.6 9.6	9.6	8 10	9.0
12-Jun-23	Sunny	Calm	09:15	Middle	0.2	28.2 28.2	28.2	7.7 7.7	7.7	0.2 0.2	0.2	53.8 53.7	53.8	4.2 4.2	4.2	60.7 59.7	60.2	44 50	47.0
14-Jun-23	Cloudy	Calm	10:27	Middle	0.2	27.9 27.9	27.9	7.0 7.0	7.0	0.2 0.2	0.2	55.8 55.2	55.5	4.4 4.3	4.4	8.4 8.3	8.4	22 25	23.5
16-Jun-23	Rainy	Calm	11:00	Middle	0.2	26.7 26.7	26.7	7.5 7.5	7.5	0.2 0.2	0.2	58.1 58.0	58.1	4.7 4.6	4.7	43.3 43.4	43.4	45 57	51.0
19-Jun-23	Sunny	Calm	12:30	Middle	0.2	30.8 30.8	30.8	6.3 6.3	6.3	0.1 0.1	0.1	66.1 66.0	66.1	4.9 4.9	4.9	8.8 8.8	8.8	9 11	10.0
21-Jun-23	Sunny	Calm	10:58	Middle	0.1	28.6 28.7	28.7	7.8 7.8	7.8	0.1 0.1	0.1	57.4 57.8	57.6	4.4 4.5	4.5	27.7 27.3	27.5	7 7	7.0
23-Jun-23	Cloudy	Calm	11:08	Middle	0.2	27.8 27.8	27.8	6.2 6.2	6.2	0.1 0.1	0.1	60.1 60.8	60.5	4.7 4.8	4.8	12.3 12.3	12.3	7 8	7.5
26-Jun-23	Cloudy	Calm	09:07	Middle	0.1	27.1 27.1	27.1	7.6 7.5	7.6	0.1 0.1	0.1	62.6 62.2	62.4	5.0 5.0	5.0	13.1 13.1	13.1	11 9	10.0
28-Jun-23	Cloudy	Calm	09:26	Middle	0.1	26.4 26.4	26.4	7.4 7.4	7.4	0.1 0.1	0.1	59.0 58.5	58.8	4.8 4.7	4.8	15.9 15.8	15.9	12 12	12.0
30-Jun-23	Sunny	Calm	10:35	Middle	0.2	29.0 29.0	29.0	6.6 6.5	6.6	0.04 0.04	0.04	55.4 55.1	55.3	4.3 4.2	4.3	10.9 10.8	10.9	5 6	5.5



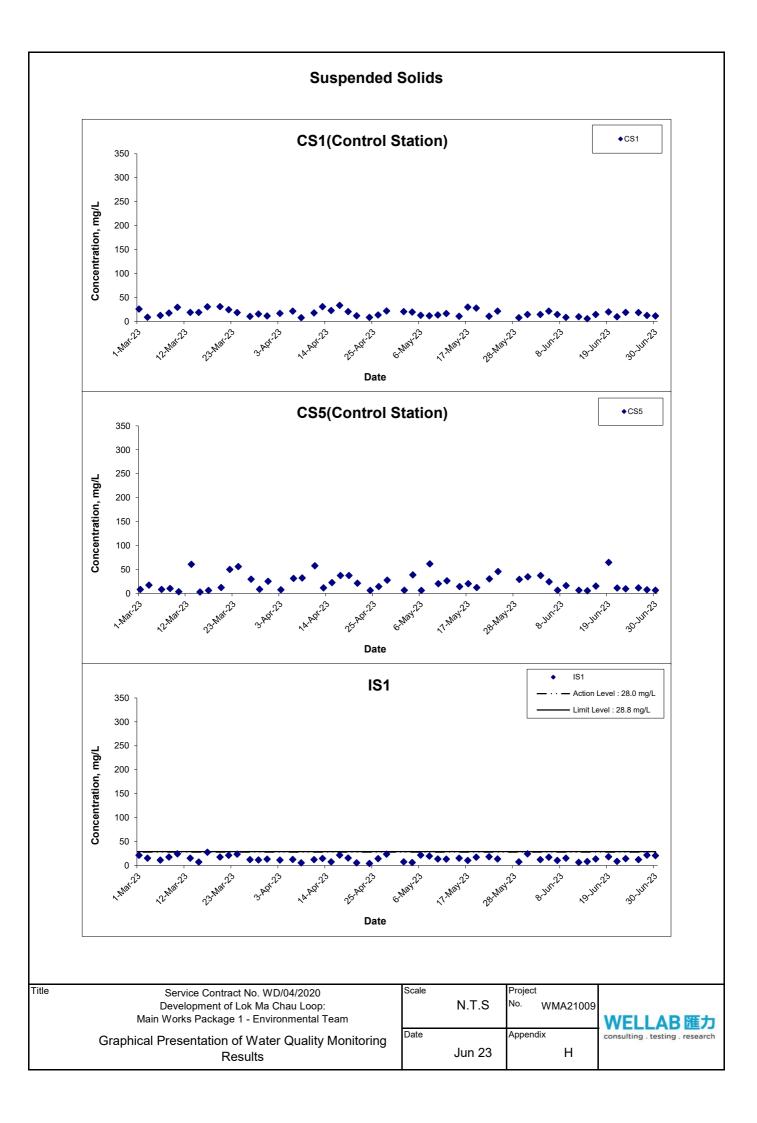


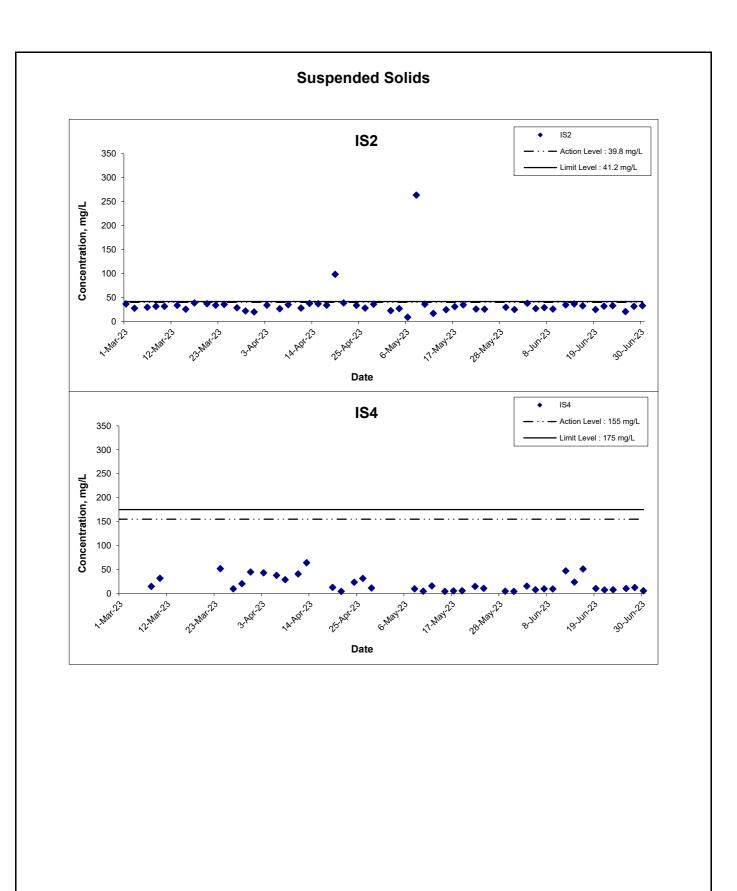
Т	Title Service Contract No. WD/04/2020	Scale		Project		
	Development of Lok Ma Chau Loop:		N.T.S	No.	WMA21009	
	Main Works Package 1 - Environmental Team					WELLAB 匯力
	Graphical Presentation of Water Quality Monitoring	Date		Append	lix	consulting . testing . research
	Results		Jun 23		н	





Title	Service Contract No. WD/04/2020	Scale		Project		
	Development of Lok Ma Chau Loop:		N.T.S	No.	WMA21009	
	Main Works Package 1 - Environmental Team					WELLAB 匯力
	Graphical Presentation of Water Quality Monitoring	Date		Appen	dix	consulting . testing . research
	Results		Jun 23		Н	





Title	Service Contract No. WD/04/2020	Scale		Project		
	Development of Lok Ma Chau Loop:		N.T.S	No.	WMA21009	
	Main Works Package 1 - Environmental Team					WELLAB 匯 力
	Graphical Presentation of Water Quality Monitoring	Date		Append		consulting . testing . research
	Results		Jun 23		Н	

APPENDIX I WEATHER CONDITION

APPENDIX I – GENERAL WEATHER CONDITIONS DURING THE MONITORING PERIOD

Date	Mean Air Temperature (°C)	Mean Relative Humidity (%)	Precipitation (mm)
1 June 2023	29.2	79	6
2 June 2023	30.7	76	-
3 June 2023	30.8	76	0.6
4 June 2023	30	81	5.1
5 June 2023	29.7	79	4.8
6 June 2023	28.4	87	31.1
7 June 2023	28.5	88	27.1
8 June 2023	29.4	82	2.6
9 June 2023	29	83	16.8
10 June 2023	29.5	79	0.3
11 June 2023	29.2	83	25.4
12 June 2023	30.2	77	0.2
13 June 2023	29.8	81	31.8
14 June 2023	27.7	88	62.8
15 June 2023	27.4	91	41.5
16 June 2023	26.4	92	41.7

Development of Lok Ma Chau Loop Monthly EM&A Report – June 2023

		Monthly EM&A Report – J Mean Relative Humidity (%)			
Date	Date Mean Air Temperature (°C)		(mm)		
17 June 2023	26.2	94	89.9		
18 June 2023	28	89	35.8		
19 June 2023	29.1	83	10.2		
20 June 2023	30	80	2.3		
21 June 2023	30.2	79	1.9		
22 June 2023	30.2	77	0.6		
23 June 2023	30	80	2.3		
24 June 2023	29.1	85	8.2		
25 June 2023	29.4	83	13		
26 June 2023	29.4	83	11.4		
27 June 2023	30.1	80	Trace		
28 June 2023	28.8	86	5.4		
29 June 2023	29.5	84	0.9		
30 June 2023	29.8	82	11.2		

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

Date	Time	Wind Speed m/s	Direction
1-Jun-2023	00:00	0.0	WNW
1-Jun-2023	01:00	0.4	WNW
1-Jun-2023	02:00	0.0	WNW
1-Jun-2023	03:00	0.0	WNW
1-Jun-2023	04:00	0.0	WNW
1-Jun-2023	05:00	0.0	WNW
1-Jun-2023	06:00	0.0	WNW
1-Jun-2023	07:00	0.9	WSW
1-Jun-2023	08:00	0.0	
1-Jun-2023	09:00	0.0	W
1-Jun-2023	10:00	0.0	
1-Jun-2023	11:00	0.0	W
1-Jun-2023	12:00	0.0	ENE
1-Jun-2023	13:00	0.9	ENE
1-Jun-2023	14:00	0.4	ENE
1-Jun-2023	15:00	0.0	WSW
1-Jun-2023	16:00	0.0	E
1-Jun-2023	17:00	0.4	E
1-Jun-2023	18:00	0.9	ENE
1-Jun-2023	19:00	0.4	ENE
1-Jun-2023	20:00	0.4	ENE
1-Jun-2023	20:00	0.0	
	21:00	0.0	
1-Jun-2023			
1-Jun-2023	23:00	0.0	
2-Jun-2023	00:00	0.0	
2-Jun-2023	01:00	0.0	<u> </u>
2-Jun-2023	02:00	0.0	E
2-Jun-2023	03:00	0.0	
2-Jun-2023	04:00	0.0	
2-Jun-2023	05:00	0.0	
2-Jun-2023	06:00	0.0	
2-Jun-2023	07:00	0.0	
2-Jun-2023	08:00	0.0	
2-Jun-2023	09:00	0.0	E
2-Jun-2023	10:00	0.0	ENE
2-Jun-2023	11:00	0.0	ENE
2-Jun-2023	12:00	0.0	E
2-Jun-2023	13:00	0.0	N
2-Jun-2023	14:00	0.4	E
2-Jun-2023	15:00	0.4	ENE
2-Jun-2023	16:00	0.4	ENE
2-Jun-2023	17:00	0.4	ENE
2-Jun-2023	18:00	0.4	ENE
2-Jun-2023	19:00	0.0	ENE
2-Jun-2023	20:00	0.0	E
2-Jun-2023	21:00	0.0	
2-Jun-2023	22:00	0.0	
2-Jun-2023	23:00	0.0	E
3-Jun-2023	00:00	0.0	
3-Jun-2023	01:00	0.0	E
3-Jun-2023	02:00	0.0	ENE
3-Jun-2023	03:00	0.0	ENE

Date	Time	Wind Speed m/s	Direction
3-Jun-2023	04:00	0.0	
3-Jun-2023	05:00	0.0	
3-Jun-2023	06:00	0.0	
3-Jun-2023	07:00	0.0	
3-Jun-2023	08:00	0.0	
3-Jun-2023	09:00	0.0	
3-Jun-2023	10:00	0.0	
3-Jun-2023	11:00	0.0	SSW
3-Jun-2023	12:00	0.0	SW
3-Jun-2023	13:00	0.0	ENE
3-Jun-2023	14:00	0.0	WSW
3-Jun-2023	15:00	0.0	WSW
3-Jun-2023	16:00	0.0	ENE
3-Jun-2023	17:00	0.0	SSW
3-Jun-2023	18:00	0.0	WSW
3-Jun-2023	19:00	0.0	WNW
3-Jun-2023	20:00	0.0	
3-Jun-2023	21:00	0.0	
3-Jun-2023	22:00	0.0	
3-Jun-2023	23:00	0.0	
4-Jun-2023	00:00	0.0	
4-Jun-2023	01:00	0.0	
4-Jun-2023	02:00	0.0	
4-Jun-2023	03:00	0.0	
4-Jun-2023	03:00	0.0	
4-Jun-2023	04:00	0.0	
4-Jun-2023	06:00	0.0	
4-Jun-2023	07:00	0.0	
4-Jun-2023	08:00	0.0	
4-Jun-2023	09:00	0.0	WSW
4-Jun-2023	10:00	0.4	WSW
4-Jun-2023	11:00	0.4	WSW
		0.4	WSW
4-Jun-2023 4-Jun-2023	<u>12:00</u> 13:00	0.4	WSW
4-Jun-2023		0.4	
	14:00	0.4	NW
4-Jun-2023 4-Jun-2023	<u> </u>	0.4	WSW
4-Jun-2023		0.9	NNW
4-Jun-2023	17:00		NW
	18:00	0.9	
4-Jun-2023	19:00	0.4	NW
4-Jun-2023	20:00	0.4	WSW
4-Jun-2023	21:00	0.0	WSW
4-Jun-2023	22:00	0.4	WSW
4-Jun-2023	23:00	0.4	WSW
5-Jun-2023	00:00	0.0	WSW WSW
5-Jun-2023		0.0	
5-Jun-2023	02:00	0.0	WSW
5-Jun-2023	03:00	0.0	WSW
5-Jun-2023	04:00	0.0	WSW
5-Jun-2023	05:00	0.0	WSW
5-Jun-2023	06:00	0.4	WSW
5-Jun-2023	07:00	0.9	WSW

08:00 09:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00 01:00	Wind Speed m/s 0.0 0.4 0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	WSW WSW WSW WSW WSW WSW WSW WSW WSW WSW
10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 23:00 00:00	0.9 0.10 0.0 0.0 0.0	WSW WSW WSW WSW WSW WSW WSW WSW WSW WSW
11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00	0.9 0.9 0.9 0.4 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.14 0.0 0.0 0.0 0.0	WSW WSW WSW WSW WSW WSW WSW WSW WSW WSW
11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00	0.9 0.9 0.4 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.14 0.0 0.0 0.0 0.0	WSW WSW WSW WSW WSW WSW WSW WSW WSW
12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00	0.9 0.9 0.4 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.14 0.0 0.0 0.0 0.0	WSW WSW WSW WSW WSW WSW WSW WSW WSW
13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 23:00 00:00	0.9 0.4 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.14 0.0 0.0 0.0 0.0	WSW WSW WSW WSW WSW WSW WSW WSW
14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00	0.4 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.10 0.0 0.0	WSW WSW WSW WSW WSW WSW WSW WSW
15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00	0.9 0.9 0.9 0.9 0.9 0.9 0.4 0.0 0.0 0.0	W WSW WSW WSW WSW WSW WSW
16:00 17:00 18:00 19:00 20:00 21:00 23:00 00:00	0.9 0.9 0.9 0.9 0.4 0.0 0.0 0.0	WSW WSW WSW WSW WSW WSW
17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00	0.9 0.9 0.9 0.4 0.0 0.0 0.0	WSW WSW WSW WSW WSW
18:00 19:00 20:00 21:00 22:00 23:00 00:00	0.9 0.9 0.4 0.0 0.0 0.0 0.0	WSW WSW WSW WSW WSW
19:00 20:00 21:00 22:00 23:00 00:00	0.9 0.4 0.0 0.0 0.0 0.0	WSW WSW WSW WSW
20:00 21:00 22:00 23:00 00:00	0.4 0.0 0.0 0.0	WSW WSW WSW
21:00 22:00 23:00 00:00	0.0 0.0 0.0	WSW WSW
22:00 23:00 00:00	0.0 0.0	WSW
23:00 00:00	0.0	
00:00		VV3VV
	U.4	WSW
01:00		
	0.0	WSW
		WSW
10:00		WSW
11:00		WSW
	0.4	WSW
13:00	0.4	WSW
14:00	0.0	WSW
15:00	0.4	WNW
16:00	0.0	WSW
17:00	0.0	WSW
18:00	0.0	WNW
19:00	0.0	SW
20:00	0.0	W
21:00	0.4	W
22:00	0.0	W
23:00	0.0	W
00:00	0.0	SW
01:00	0.0	SW
02:00	0.0	WSW
		W
		W
		W
		WSW
		SW
		WSW
	12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00 01:00	03:00 0.0 04:00 0.0 05:00 0.0 06:00 0.0 07:00 0.0 08:00 0.0 09:00 0.0 10:00 0.4 11:00 0.4 12:00 0.4 13:00 0.4 14:00 0.0 15:00 0.4 16:00 0.0 18:00 0.0 19:00 0.0 22:00 0.0 23:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 0.0 00:00 </td

Date	Time	Wind Speed m/s	Direction
7-Jun-2023	12:00	0.0	W
7-Jun-2023	13:00	0.4	W
7-Jun-2023	14:00	0.4	NW
7-Jun-2023	15:00	0.0	WNW
7-Jun-2023	16:00	0.0	W
7-Jun-2023	17:00	0.4	WNW
7-Jun-2023	18:00	0.0	SW
7-Jun-2023	19:00	0.0	SW
7-Jun-2023	20:00	0.0	W
7-Jun-2023	21:00	0.0	Ŵ
7-Jun-2023	22:00	0.0	W
7-Jun-2023	23:00	0.0	SW
8-Jun-2023	00:00	0.0	SW
8-Jun-2023	01:00	0.0	SW
8-Jun-2023	02:00	0.0	W
8-Jun-2023	03:00	0.0	
8-Jun-2023	04:00	0.0	
8-Jun-2023	05:00	0.0	
8-Jun-2023	06:00	0.0	
8-Jun-2023	07:00	0.0	WSW
8-Jun-2023	08:00	0.0	
8-Jun-2023	09:00	0.0	
8-Jun-2023	10:00	0.0	
8-Jun-2023	11:00	0.4	N
8-Jun-2023	12:00	0.4	SW
8-Jun-2023	13:00	0.4	SW
8-Jun-2023	14:00	0.4	NW
8-Jun-2023	15:00	0.4	NW
8-Jun-2023	16:00	0.0	WNW
8-Jun-2023	17:00	0.0	NW
8-Jun-2023	18:00	0.0	ENE
8-Jun-2023	19:00	0.0	ENE
8-Jun-2023	20:00	0.0	ENE
8-Jun-2023	21:00	0.0	
8-Jun-2023	22:00	0.0	
8-Jun-2023	23:00	0.0	
9-Jun-2023	00:00	0.0	
9-Jun-2023	01:00	0.0	
9-Jun-2023	02:00	0.0	
9-Jun-2023	03:00	0.0	
9-Jun-2023	03:00	0.0	
9-Jun-2023	04.00	0.0	
9-Jun-2023	06:00	0.0	
9-Jun-2023	07:00	0.0	
9-Jun-2023	07:00	0.0	
9-Jun-2023	09:00	0.0	
9-Jun-2023	10:00	0.0	
9-Jun-2023	11:00	0.0	
	12:00		
9-Jun-2023	12:00	0.0	
9-Jun-2023		0.0	
9-Jun-2023	14:00	0.0	
9-Jun-2023	15:00	0.0	

Date	Time	Wind Speed m/s	Direction
9-Jun-2023	16:00	0.0	
9-Jun-2023	17:00	0.0	
9-Jun-2023	18:00	0.0	E
9-Jun-2023	19:00	0.0	
9-Jun-2023	20:00	0.0	
9-Jun-2023	21:00	0.0	
9-Jun-2023	22:00	0.0	NE
9-Jun-2023	23:00	0.0	
10-Jun-2023	00:00	0.0	
10-Jun-2023	01:00	0.0	
10-Jun-2023	02:00	0.0	
10-Jun-2023	03:00	0.0	
10-Jun-2023	04:00	0.0	
10-Jun-2023	05:00	0.0	
10-Jun-2023	06:00	0.0	
10-Jun-2023	07:00	0.0	
10-Jun-2023	07:00	0.0	
10-Jun-2023	09:00	0.0	
10-Jun-2023	10:00	0.0	
10-Jun-2023	11:00	0.0	
10-Jun-2023	12:00	0.0	
10-Jun-2023	13:00	0.0	E
		0.0	E
10-Jun-2023 10-Jun-2023	<u>14:00</u> 15:00	0.0	
10-Jun-2023	16:00	0.0	ESE
10-Jun-2023	17:00	0.0	
10-Jun-2023	18:00	0.0	
10-Jun-2023	19:00	0.0	
10-Jun-2023	20:00	0.9	WSW
10-Jun-2023	21:00	0.0	W
10-Jun-2023	22:00	0.0	
10-Jun-2023	23:00	0.0	
11-Jun-2023	00:00	0.0	
11-Jun-2023	01:00	0.0	
11-Jun-2023	02:00	0.0	
11-Jun-2023	03:00	0.0	WNW
11-Jun-2023	04:00	0.0	WNW
11-Jun-2023	05:00	0.0	
11-Jun-2023	06:00	0.0	WNW
11-Jun-2023	07:00	0.0	WNW
11-Jun-2023	08:00	0.0	W
11-Jun-2023	09:00	0.0	SW
11-Jun-2023	10:00	0.4	SW
11-Jun-2023	11:00	0.4	SW
11-Jun-2023	12:00	0.0	SW
11-Jun-2023	13:00	0.4	W
11-Jun-2023	14:00	0.4	WNW
11-Jun-2023	15:00	0.0	WSW
11-Jun-2023	16:00	0.0	WSW
11-Jun-2023	17:00	0.4	WSW
11-Jun-2023	18:00	0.9	W
11-Jun-2023	19:00	0.4	WSW

Date	Time	Wind Speed m/s	Direction
11-Jun-2023	20:00	0.0	W
11-Jun-2023	21:00	0.0	WSW
11-Jun-2023	22:00	0.0	WSW
11-Jun-2023	23:00	0.0	WSW
12-Jun-2023	00:00	0.0	WSW
12-Jun-2023	01:00	0.0	
12-Jun-2023	02:00	0.0	
12-Jun-2023	03:00	0.0	
12-Jun-2023	04:00	0.0	
12-Jun-2023	05:00	0.0	W
12-Jun-2023	06:00	0.0	W
12-Jun-2023	07:00	0.0	WNW
12-Jun-2023	08:00	0.0	WNW
12-Jun-2023	09:00	0.0	WSW
12-Jun-2023	10:00	0.0	WSW
12-Jun-2023	11:00	0.0	W
12-Jun-2023	12:00	0.0	WSW
12-Jun-2023	13:00	0.0	WSW
12-Jun-2023	14:00	0.4	WNW
12-Jun-2023	15:00	0.0	WNW
12-Jun-2023	16:00	0.4	NW
12-Jun-2023	17:00	0.4	ENE
	17:00	0.4	E
12-Jun-2023 12-Jun-2023	19:00	0.0	 WSW
			WSW
12-Jun-2023	20:00 21:00	0.4	WSW
12-Jun-2023	21:00	0.4	WSW
12-Jun-2023			
12-Jun-2023	23:00	0.0	WSW
13-Jun-2023	00:00	0.0	WSW
13-Jun-2023	01:00	0.0	WSW
13-Jun-2023	02:00	0.0	W
13-Jun-2023	03:00	0.0	W
13-Jun-2023	04:00	0.0	
13-Jun-2023	05:00	0.0	W
13-Jun-2023	06:00	0.0	W
13-Jun-2023	07:00	0.0	WNW
13-Jun-2023	08:00	0.0	WNW
13-Jun-2023	09:00	0.0	
13-Jun-2023	10:00	0.0	
13-Jun-2023	11:00	0.0	ENE
13-Jun-2023	12:00	0.0	ENE
13-Jun-2023	13:00	0.4	ENE
13-Jun-2023	14:00	0.4	E
13-Jun-2023	15:00	0.0	E
13-Jun-2023	16:00	0.4	ENE
13-Jun-2023	17:00	0.0	ENE
13-Jun-2023	18:00	0.4	SSW
13-Jun-2023	19:00	0.0	WSW
13-Jun-2023	20:00	0.0	WNW
13-Jun-2023	21:00	0.0	WNW
13-Jun-2023	22:00	0.0	
13-Jun-2023	23:00	0.0	

Date	Time	Wind Speed m/s	Direction
14-Jun-2023	00:00	0.0	NW
14-Jun-2023	01:00	0.0	ENE
14-Jun-2023	02:00	0.0	ENE
14-Jun-2023	03:00	0.0	NW
14-Jun-2023	04:00	0.0	WSW
14-Jun-2023	05:00	0.0	
14-Jun-2023	06:00	0.0	ENE
14-Jun-2023	07:00	0.0	ENE
14-Jun-2023	08:00	0.0	
14-Jun-2023	09:00	0.0	
14-Jun-2023	10:00	0.0	NNW
14-Jun-2023	11:00	0.0	WNW
14-Jun-2023	12:00	0.0	NW
14-Jun-2023	13:00	0.0	E
14-Jun-2023	14:00	0.0	E
14-Jun-2023	15:00	0.0	W
14-Jun-2023	16:00	0.4	NW
14-Jun-2023	17:00	0.4	W
14-Jun-2023	18:00	0.0	W
14-Jun-2023	19:00	0.0	WNW
14-Jun-2023	20:00	0.0	W
14-Jun-2023	21:00	0.0	W
14-Jun-2023	22:00	0.0	WSW
14-Jun-2023	23:00	0.0	W
	00:00	0.0	WSW
15-Jun-2023	01:00		W
15-Jun-2023 15-Jun-2023	02:00	0.0	ENE
		0.0	WNW
15-Jun-2023	03:00	0.0	WNW
15-Jun-2023	04:00	0.0	
15-Jun-2023	05:00	0.0	WSW
15-Jun-2023	06:00	0.0	SW
15-Jun-2023	07:00	0.0	
15-Jun-2023	08:00	0.0	
15-Jun-2023	09:00	0.0	
15-Jun-2023	10:00	0.0	SW
15-Jun-2023	11:00	0.0	SW
15-Jun-2023	12:00	0.0	WSW
15-Jun-2023	13:00	0.0	WNW
15-Jun-2023	14:00	0.0	<u> </u>
15-Jun-2023	15:00	0.0	<u> </u>
15-Jun-2023	16:00	0.0	W
15-Jun-2023	17:00	0.4	NW
15-Jun-2023	18:00	0.0	W
15-Jun-2023	19:00	0.0	WSW
15-Jun-2023	20:00	0.4	W
15-Jun-2023	21:00	0.0	WNW
15-Jun-2023	22:00	0.0	WSW
15-Jun-2023	23:00	0.0	
16-Jun-2023	00:00	0.0	WSW
16-Jun-2023	01:00	0.0	NW
16-Jun-2023	02:00	0.0	WSW
16-Jun-2023	03:00	0.0	WSW

Date	Time	Wind Speed m/s	Direction
16-Jun-2023	04:00	0.0	WNW
16-Jun-2023	05:00	0.0	W
16-Jun-2023	06:00	0.0	
16-Jun-2023	07:00	0.0	
16-Jun-2023	08:00	0.0	WNW
16-Jun-2023	09:00	0.0	W
16-Jun-2023	10:00	0.0	
16-Jun-2023	11:00	0.0	E
16-Jun-2023	12:00	0.0	E
16-Jun-2023	13:00	0.0	E
16-Jun-2023	14:00	0.0	E
16-Jun-2023	15:00	0.4	E
16-Jun-2023	16:00	0.0	E
16-Jun-2023	17:00	0.0	ENE
16-Jun-2023	18:00	0.0	
16-Jun-2023	19:00	0.0	
16-Jun-2023	20:00	0.0	ENE
16-Jun-2023	21:00	0.0	ENE
16-Jun-2023	22:00	0.0	
16-Jun-2023	23:00	0.0	
17-Jun-2023	00:00	0.0	W
17-Jun-2023	01:00	0.0	W
17-Jun-2023	02:00	0.0	
17-Jun-2023	03:00	0.0	
17-Jun-2023	03:00	0.0	SW
17-Jun-2023	05:00	0.0	
17-Jun-2023	06:00	0.0	WSW
17-Jun-2023	07:00	0.0	
17-Jun-2023	08:00	0.0	
17-Jun-2023	09:00	0.0	 W
17-Jun-2023	10:00 11:00	0.0	SW
17-Jun-2023		0.0	
17-Jun-2023	12:00	0.0	N SW
17-Jun-2023 17-Jun-2023	13:00 14:00	0.0	
			N
17-Jun-2023	15:00	0.0	N W
17-Jun-2023	16:00	0.0	W
17-Jun-2023	17:00	0.0	
17-Jun-2023	18:00	0.0	<u>N</u>
17-Jun-2023	19:00	0.4	
17-Jun-2023	20:00	0.0	N
17-Jun-2023	21:00	0.4	N
17-Jun-2023	22:00	0.0	N
17-Jun-2023	23:00	0.0	N
18-Jun-2023	00:00	0.0	N
18-Jun-2023	01:00	0.0	N
18-Jun-2023	02:00	0.0	N
18-Jun-2023	03:00	0.0	
18-Jun-2023	04:00	0.0	
18-Jun-2023	05:00	0.0	N
18-Jun-2023	06:00	0.0	
18-Jun-2023	07:00	0.0	

Date	Time	Wind Speed m/s	Direction
18-Jun-2023	08:00	0.0	
18-Jun-2023	09:00	0.0	Ν
18-Jun-2023	10:00	0.0	E
18-Jun-2023	11:00	0.4	Ν
18-Jun-2023	12:00	0.0	Ν
18-Jun-2023	13:00	0.0	E
18-Jun-2023	14:00	0.4	E
18-Jun-2023	15:00	0.0	Е
18-Jun-2023	16:00	0.0	Е
18-Jun-2023	17:00	0.0	E
18-Jun-2023	18:00	0.0	N
18-Jun-2023	19:00	0.0	E
18-Jun-2023	20:00	0.0	N
18-Jun-2023	21:00	0.0	N
18-Jun-2023	22:00	0.0	N
18-Jun-2023	23:00	0.0	
19-Jun-2023	00:00	0.0	
19-Jun-2023	01:00	0.0	N
19-Jun-2023	01:00	0.0	
19-Jun-2023	03:00	0.0	
19-Jun-2023	04:00	0.0	
19-Jun-2023	05:00	0.0	N
19-Jun-2023	06:00	0.0	N
19-Jun-2023	07:00	0.0	IN
	07:00		 N
19-Jun-2023 19-Jun-2023	09:00	0.0	N
19-Jun-2023	10:00	0.0	E
19-Jun-2023	11:00	0.0	L N
	12:00	0.0	E
19-Jun-2023			
19-Jun-2023	13:00	0.0	ESE
19-Jun-2023	14:00	0.0	<u> </u>
19-Jun-2023	15:00	0.0	<u> </u>
19-Jun-2023	16:00	0.0	E
19-Jun-2023	17:00	0.0	<u>N</u>
19-Jun-2023	18:00	0.0	E
19-Jun-2023	19:00	0.0	E
19-Jun-2023	20:00	0.0	
19-Jun-2023	21:00	0.0	NNW
19-Jun-2023	22:00	0.0	<u> </u>
19-Jun-2023	23:00	0.0	<u> </u>
20-Jun-2023	00:00	0.0	E
20-Jun-2023	01:00	0.0	NNW
20-Jun-2023	02:00	0.0	NNW
20-Jun-2023	03:00	0.0	NW
20-Jun-2023	04:00	0.0	NW
20-Jun-2023	05:00	0.0	N
20-Jun-2023	06:00	0.0	E
20-Jun-2023	07:00	0.0	
20-Jun-2023	08:00	0.0	
20-Jun-2023	09:00	0.0	
20-Jun-2023	10:00	0.0	ESE
20-Jun-2023	11:00	0.4	ESE

Date	Time	Wind Speed m/s	Direction
20-Jun-2023	12:00	0.0	ESE
20-Jun-2023	13:00	0.4	E
20-Jun-2023	14:00	0.4	E
20-Jun-2023	15:00	0.9	E
20-Jun-2023	16:00	0.0	E
20-Jun-2023	17:00	0.4	E
20-Jun-2023	18:00	0.0	NW
20-Jun-2023	19:00	0.0	E
20-Jun-2023	20:00	0.0	NNW
20-Jun-2023	21:00	0.0	ENE
20-Jun-2023	22:00	0.0	
20-Jun-2023	23:00	0.0	ENE
21-Jun-2023	00:00	0.0	NNW
21-Jun-2023	01:00	0.0	ESE
21-Jun-2023	02:00	0.0	NNW
21-Jun-2023	02:00	0.0	ENE
21-Jun-2023	03.00	0.0	
21-Jun-2023	04.00	0.0	
21-Jun-2023		0.0	
	06:00		
21-Jun-2023	07:00	0.0	
21-Jun-2023	08:00	0.0	ENE
21-Jun-2023	09:00	0.0	<u> </u>
21-Jun-2023	10:00	0.4	E
21-Jun-2023	11:00	0.4	E
21-Jun-2023	12:00	0.4	<u> </u>
21-Jun-2023	13:00	0.9	E
21-Jun-2023	14:00	0.9	E
21-Jun-2023	15:00	1.8	ENE
21-Jun-2023	16:00	2.2	ENE
21-Jun-2023	17:00	1.3	ENE
21-Jun-2023	18:00	0.4	ENE
21-Jun-2023	19:00	0.0	NNW
21-Jun-2023	20:00	0.0	NNW
21-Jun-2023	21:00	0.0	NNW
21-Jun-2023	22:00	0.0	NNW
21-Jun-2023	23:00	0.0	ENE
22-Jun-2023	00:00	0.0	NE
22-Jun-2023	01:00	0.0	ENE
22-Jun-2023	02:00	0.0	Ν
22-Jun-2023	03:00	0.0	NE
22-Jun-2023	04:00	0.0	
22-Jun-2023	05:00	0.0	
22-Jun-2023	06:00	0.0	
22-Jun-2023	07:00	0.0	NE
22-Jun-2023	08:00	0.0	
22-Jun-2023	09:00	0.0	NNW
22-Jun-2023	10:00	0.4	ENE
22-Jun-2023	11:00	0.4	ENE
22-Jun-2023	12:00	0.4	ENE
22-Jun-2023	13:00	0.9	ENE
22-Jun-2023	14:00	0.9	ENE
22-Jun-2023	15:00	1.3	ENE

Date	Time	Wind Speed m/s	Direction
22-Jun-2023	16:00	0.4	ENE
22-Jun-2023	17:00	0.4	ENE
22-Jun-2023	18:00	0.0	ENE
22-Jun-2023	19:00	0.0	NNW
22-Jun-2023	20:00	0.0	NE
22-Jun-2023	21:00	0.0	ENE
22-Jun-2023	22:00	0.0	NNW
22-Jun-2023	23:00	0.0	NNW
23-Jun-2023	00:00	0.0	ENE
23-Jun-2023	01:00	0.0	NNW
23-Jun-2023	02:00	0.0	NNW
23-Jun-2023	03:00	0.0	NNW
23-Jun-2023	04:00	0.0	NNW
23-Jun-2023	05:00	0.0	ENE
23-Jun-2023	06:00	0.0	NNW
23-Jun-2023	07:00	0.0	NNW
23-Jun-2023	08:00	0.0	NNW
23-Jun-2023	09:00	0.0	E
23-Jun-2023	10:00	0.4	E
23-Jun-2023	11:00	0.4	ENE
23-Jun-2023	12:00	0.4	NNW
	13:00	0.4	NNW
23-Jun-2023			ENE
23-Jun-2023	14:00	0.0	
23-Jun-2023	15:00	0.0	ENE
23-Jun-2023	16:00	0.0	ENE
23-Jun-2023	17:00	0.0	
23-Jun-2023	18:00	0.0	
23-Jun-2023	19:00	0.0	
23-Jun-2023	20:00	0.0	
23-Jun-2023	21:00	0.0	
23-Jun-2023	22:00	0.0	
23-Jun-2023	23:00	0.0	
24-Jun-2023	00:00	0.0	WNW
24-Jun-2023	01:00	0.0	WNW
24-Jun-2023	02:00	0.0	WNW
24-Jun-2023	03:00	0.0	NNW
24-Jun-2023	04:00	0.0	NNW
24-Jun-2023	05:00	0.0	E
24-Jun-2023	06:00	0.0	WNW
24-Jun-2023	07:00	0.0	WNW
24-Jun-2023	08:00	0.0	WNW
24-Jun-2023	09:00	0.4	ENE
24-Jun-2023	10:00	0.0	NNW
24-Jun-2023	11:00	0.0	Ν
24-Jun-2023	12:00	0.0	ENE
24-Jun-2023	13:00	0.4	ENE
24-Jun-2023	14:00	0.0	WNW
24-Jun-2023	15:00	0.0	ENE
24-Jun-2023	16:00	0.0	ENE
24-Jun-2023	17:00	0.4	WNW
24-Jun-2023	18:00	0.0	WNW
24-Jun-2023	19:00	0.0	NW

Date	Time	Wind Speed m/s	Direction
24-Jun-2023	20:00	0.0	NW
24-Jun-2023	21:00	0.4	WNW
24-Jun-2023	22:00	0.0	WNW
24-Jun-2023	23:00	0.0	WNW
25-Jun-2023	00:00	0.0	WNW
25-Jun-2023	01:00	0.0	WNW
25-Jun-2023	02:00	0.4	W
25-Jun-2023	03:00	0.0	WSW
25-Jun-2023	04:00	0.0	WNW
25-Jun-2023	05:00	0.0	W
25-Jun-2023	06:00	0.0	W
25-Jun-2023	07:00	0.0	W
25-Jun-2023	08:00	0.0	
25-Jun-2023	09:00	0.0	WSW
25-Jun-2023	10:00	0.0	WSW
25-Jun-2023	11:00	0.4	SW
25-Jun-2023	12:00	0.4	WNW
25-Jun-2023	13:00	0.4	WNW
25-Jun-2023	14:00	0.4	WNW
25-Jun-2023	15:00	0.4	WNW
25-Jun-2023	16:00	0.9	NW
25-Jun-2023	17:00	0.0	WNW
25-Jun-2023	18:00	0.0	NW
25-Jun-2023	19:00	0.0	
25-Jun-2023	20:00	0.0	
25-Jun-2023	21:00	0.0	
25-Jun-2023	21:00	0.0	
25-Jun-2023	23:00	0.0	
26-Jun-2023	00:00	0.0	 SSW
26-Jun-2023	01:00	0.0	WNW
26-Jun-2023	02:00	0.0	W
26-Jun-2023	03:00	0.0	WNW
26-Jun-2023	04:00	0.0	
26-Jun-2023	05:00	0.0	W
26-Jun-2023	06:00	0.0	WSW
26-Jun-2023	07:00	0.0	W
26-Jun-2023	08:00	0.0	
26-Jun-2023	09:00	0.0	W
26-Jun-2023	10:00	0.0	SW
26-Jun-2023	11:00	0.0	SW
26-Jun-2023	12:00	0.0	WNW
26-Jun-2023	13:00	0.4	SW
26-Jun-2023	14:00	0.0	WSW
26-Jun-2023	15:00	0.0	ENE
26-Jun-2023	16:00	0.0	ENE
26-Jun-2023	17:00	0.0	NW
26-Jun-2023	18:00	0.0	WNW
26-Jun-2023	19:00	0.0	SSW
26-Jun-2023	20:00	0.0	
26-Jun-2023	21:00	0.0	
26-Jun-2023	22:00	0.0	WSW
26-Jun-2023	23:00	0.0	WNW

Appendix I - Wind Data

Date	Time	Wind Speed m/s	Direction
27-Jun-2023	00:00	0.0	SW
27-Jun-2023	01:00	0.0	SW
27-Jun-2023	02:00	0.0	SW
27-Jun-2023	03:00	0.0	WSW
27-Jun-2023	04:00	0.0	WSW
27-Jun-2023	05:00	0.0	WSW
27-Jun-2023	06:00	0.0	WSW
27-Jun-2023	07:00	0.0	W
27-Jun-2023	08:00	0.0	SW
27-Jun-2023	09:00	0.0	SW
27-Jun-2023	10:00	0.0	SW
27-Jun-2023	11:00	0.0	SW
27-Jun-2023	12:00	0.4	SW
27-Jun-2023	13:00	0.4	SW
27-Jun-2023	14:00	0.0	SW
27-Jun-2023	15:00	0.0	
27-Jun-2023	16:00	0.4	ENE
27-Jun-2023	17:00	0.0	WSW
27-Jun-2023	18:00	0.0	
27-Jun-2023	19:00	0.0	WNW
27-Jun-2023	20:00	0.0	SW
27-Jun-2023	20:00		SW
27-Jun-2023	21:00	0.0	 WSW
			SW
27-Jun-2023	23:00	0.0	
28-Jun-2023	00:00	0.0	SW
28-Jun-2023	01:00	0.0	SW
28-Jun-2023	02:00	0.0	
28-Jun-2023	03:00	0.0	WSW
28-Jun-2023	04:00	0.0	W
28-Jun-2023	05:00	0.0	W
28-Jun-2023	06:00	0.0	W
28-Jun-2023	07:00	0.0	SW
28-Jun-2023	08:00	0.0	W
28-Jun-2023	09:00	0.0	W
28-Jun-2023	10:00	0.0	SW
28-Jun-2023	11:00	0.0	WSW
28-Jun-2023	12:00	0.0	SW
28-Jun-2023	13:00	0.4	WSW
28-Jun-2023	14:00	0.0	SW
28-Jun-2023	15:00	0.4	W
28-Jun-2023	16:00	0.0	SW
28-Jun-2023	17:00	0.0	SW
28-Jun-2023	18:00	0.0	SW
28-Jun-2023	19:00	0.0	SW
28-Jun-2023	20:00	0.0	WSW
28-Jun-2023	21:00	0.0	W
28-Jun-2023	22:00	0.0	WSW
28-Jun-2023	23:00	0.0	W
29-Jun-2023	00:00	0.4	WNW
29-Jun-2023	01:00	0.0	
29-Jun-2023	02:00	0.0	WSW
29-Jun-2023	03:00	0.0	W

Appendix I - Wind Data

Date	Time	Wind Speed m/s	Direction
29-Jun-2023	04:00	0.0	
29-Jun-2023	05:00	0.0	WNW
29-Jun-2023	06:00	0.0	
29-Jun-2023	07:00	0.0	
29-Jun-2023	08:00	0.0	
29-Jun-2023	09:00	0.0	
29-Jun-2023	10:00	0.0	
29-Jun-2023	11:00	0.0	
29-Jun-2023	12:00	0.0	
29-Jun-2023	13:00	0.0	
29-Jun-2023	14:00	0.0	Е
29-Jun-2023	15:00	0.0	Е
29-Jun-2023	16:00	0.0	ENE
29-Jun-2023	17:00	0.4	SW
29-Jun-2023	18:00	0.4	WNW
29-Jun-2023	19:00	0.0	W
29-Jun-2023	20:00	0.4	W
29-Jun-2023	21:00	0.0	WNW
29-Jun-2023	22:00	0.0	WNW
29-Jun-2023	23:00	0.0	
30-Jun-2023	00:00	0.0	
30-Jun-2023	01:00	0.0	
30-Jun-2023	02:00	0.0	
30-Jun-2023	03:00	0.0	WNW
30-Jun-2023	04:00	0.0	
30-Jun-2023	05:00	0.0	
30-Jun-2023	06:00	0.0	
30-Jun-2023	07:00	0.0	WNW
30-Jun-2023	08:00	0.0	
30-Jun-2023	09:00	0.4	ENE
30-Jun-2023	10:00	0.0	
30-Jun-2023	11:00	0.0	ENE
30-Jun-2023	12:00	0.4	Е
30-Jun-2023	13:00	0.4	Е
30-Jun-2023	14:00	0.4	E
30-Jun-2023	15:00	0.4	ENE
30-Jun-2023	16:00	0.4	ENE
30-Jun-2023	17:00	0.4	ENE
30-Jun-2023	18:00	0.0	E
30-Jun-2023	19:00	0.0	ENE
30-Jun-2023	20:00	0.0	ENE
30-Jun-2023	21:00	0.0	WNW
30-Jun-2023	22:00	0.0	WNW
30-Jun-2023	23:00	0.0	NW

APPENDIX J EVENT ACTION PLANS

	ACTION					
EVENT	ET	IEC	ER	CONTRACTOR		
ACTION LEVEL						
1. Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures; Inform IEC, ER and Contractor; Repeat measurement to confirm finding; and Increase monitoring frequency to daily. 	 Check monitoring data submitted by ET; Check Contractor's working method; and Review and advise the ET and ER on the effectiveness of the proposed remedial measures. 	1. Notify Contractor.	 Identify source, investigate the causes of exceedance and propose remedial measures Rectify any unacceptable practice and implement remedial measures; and Amend working methods agreed with ER if appropriate. 		
2. Exceedance for two or more consecutive samples	 Identify source, investigate the causes of exceedance and propose remedial measures; Inform IEC, ER and Contractor; Advise the ER and Contractor on the effectiveness of the proposed remedial measures; Repeat measurements to confirm findings; Increase monitoring frequency to daily; Discuss with IEC, ER and Contractor on remedial actions required; If exceedance continues, arrange meeting with IEC and ER; and If exceedance stops, cease additional monitoring. 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise the ET and ER on the effectiveness of the proposed remedial measures; and Supervise Implementation of remedial measures. 	 Confirm receipt of notification of failure in writing; Notify Contractor; and Supervise and ensure remedial measures properly implemented. 	 Identify source, investigate the causes of exceedance and propose remedial measures Submit proposals for remedial actions to ER with a copy to ET and IEC within 3 working days of notification; Implement the agreed proposals; and Amend proposal if appropriate. 		

	ACTION					
EVENT	ET	IEC	ER	CONTRACTOR		
LIMIT LEVEL						
1.Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures; Inform ER, Contractor, IEC and EPD; Repeat measurement to confirm finding; Increase monitoring frequency to daily; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET, ER and Contractor on possible remedial measures; Advise the ER and ET on the effectiveness of the proposed remedial measures; Supervise implementation of remedial measures. 	 Confirm receipt of notification of failure in writing; Notify Contractor; and Supervise and ensure remedial measures properly implemented. 	 Identify source, investigate the causes of exceedance and propose remedial measures; Take immediate action to avoid further exceedance; Submit proposals for remedial actions to ER with a copy to ET and IEC within 3 working days of notification; Implement the agreed proposals; and Amend proposal if appropriate. 		
2.Exceedance for two or more consecutive samples	 Notify IEC, 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 possible mitigation to be implemented; Arrange meeting with IEC, Contractor and ER to discuss the remedial actions to be taken; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss amongst ER, ET, and Contractor on the potential remedial actions; Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and Supervise the implementation 	 Confirm receipt of notification of failure in writing; Notify Contractor; In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented; Supervise and ensure remedial measures properly implemented; and If exceedance continues, consider what portion of the work is responsible and instruct the 	 Identify source, investigate the causes of exceedance and propose remedial measures; Take immediate action to avoid further exceedance; Submit proposals for remedial actions to ER with a copy to ET and IEC within 3 working days of notification; Implement the agreed proposals; Resubmit proposals if problem still not under control; 		

EVENT	ACTION					
EVENI	ET	IEC	ER	CONTRACTOR		
	8. If exceedance stops, cease additional monitoring.	of remedial measures.	Contractor to stop that portion of work until the exceedance is abated.	 Stop the relevant portion of works as determined by the ER until the exceedance is abated. 		

Event / Action Plan for Construction Noise

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

	Action					
Event	ET	IEC	ER	Contractor		
Action level being exceeded by one sampling day	 Inform IEC, Contractor and ER; Check monitoring data, all plant, equipment and Contractor's working methods; and Discuss remedial measures with IEC and Contractor and ER. 	 Discuss with ET, ER and Contractor on the implemented mitigation measures; Review proposals on remedial measures submitted by Contractor and advise the ER accordingly; and Review and advise the ET and ER on the effectiveness of the implemented mitigation measures. 	 Discuss with IEC, ET and Contractor on the implemented mitigation measures; Make agreement on the remedial measures to be implemented; Supervise the implementation of agreed remedial measures. 	 Identify source(s) of impact; Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ER, ET and IEC and purpose remedial measures to IEC and ER; and Implement the agreed mitigation measures. 		
Action level being exceeded by two or more consecutive sampling days	 Repeat in-situ measurement on next day of exceedance to confirm findings; Inform IEC, contractor and ER; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss remedial measures with IEC, contractor and ER Ensure remedial measures are implemented 	 Discuss with ET, Contractor and ER on the implemented mitigation measures; Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and Review and advise the ET and ER on the effectiveness of the implemented mitigation measures. 	 Discuss with ET, IEC and Contractor on the proposed mitigation measures; Make agreement on the remedial measures to be implemented; and Discuss with ET, IEC and Contractor on the effectiveness of the implemented remedial measures. 	 Identify source(s) of impact; Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Discuss with ET, IEC and ER and submit proposal of remedial measures to ER and IEC within 3 working days of notification; and Implement the agreed mitigation measures. 		
Limit level being exceeded by one sampling day	 Repeat measurement on next day of exceedance to confirm findings; Inform IEC, contractor and ER; 	1. Discuss with ET, Contractor and ER on the implemented mitigation measures;	 Discuss with ET, IEC and Contractor on the implemented remedial measures; 	 Identify source(s) of impact; Inform the ER and confirm notification of the non-compliance in writing; 		

	Action					
Event	ET	IEC	ER	Contractor		
	 Rectify unacceptable practice; Check monitoring data, all plant, equipment and Contractor's working methods; Consider changes of working methods; Discuss mitigation measures with IEC, ER and Contractor; and Ensure the agreed remedial measures are implemented 	 Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and Review and advise the ET and ER on the effectiveness of the implemented mitigation measures. 	 Request Contractor to critically review the working methods; Make agreement on the remedial measures to be implemented; and Discuss with ET, IEC and Contractor on the effectiveness of the implemented remedial measures. 	 Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Discuss with ET, IEC and ER and submit proposal of additional mitigation measures to ER and IEC within 3 working days of notification; and Implement the agreed remedial measures. 		
Limit level being exceeded by two or more consecutive sampling days	 are implemented 1. Inform IEC, contractor and ER; 2. Check monitoring data, all plant, equipment and Contractor's working methods; 3. Discuss mitigation measures with IEC, ER and Contractor; and 4. Ensure mitigation measures are implemented; and 5. Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days 	 Discuss with ET, Contractor and ER on the implemented mitigation measures; Review the proposed remedial measures submitted by Contractor and advise the ER accordingly; and Review and advise the ET and ER on the effectiveness of the implemented mitigation measures. 	 Discuss with ET, IEC and Contractor on the implemented remedial measures; Request Contractor to critically review the working methods; Make agreement on the remedial measures to be implemented; Discuss with ET and IEC on the effectiveness of the implemented mitigation measures; and Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the dredging activities until no exceedance of Limit level. 	 Identify source(s) of impact; Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment and consider changes of working methods; Discuss with ET, IEC and ER and submit proposal of additional mitigation measures to ER and IEC within 3 working days of notification; and Implement the agreed remedial measures. As directed by the ER, to slow down or stop all or part of the dredging activities until no exceedance of Limit level. 		

		Action					
Event	ET	IEC	ER	Contractor			
Non-conformity on one occasion	 Inform the Contractor, IEC and ER Discuss remedial actions with IEC, ER and Contractor Monitor remedial actions until rectification has been completed 	 Check inspection report Check Contractor's working method Discuss with ET, ER and Contractor on possible remedial measures Advise ER on effectiveness of proposed remedial measures 	 Confirm receipt of notification of non-conformity in writing Review and agree on the remedial measures proposed by the Contractor Supervise implementation of remedial measures 	 Identify source and investigate the non-conformity Implement remedial measures Amend working methods agreed with ER as appropriate Rectify damage and undertake any necessary replacement 			
Repeated Non-conformity	 Identify source(s) Inform Contractor, IEC and ER Discuss inspection frequency Discuss remedial actions with IEC, ER and Contractor Monitor remedial actions until rectification has been completed If non-conformity stops, cease additional monitoring 	 Check inspection report Check Contractor's working method Discuss with ET, ER and Contractor on possible remedial measures Advise ER on effectiveness of proposed remedial measures 	 Notify the Contractor In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented Supervise implementation of remedial measures 	 Identify source and investigate the non-conformity Implement remedial measures Amend working methods agreed with ER as appropriate Rectify damage and undertake any necessary replacement. Stop relevant portion of works as determined by ER until the non-conformity is abated. 			

Event / Action Plan for Landscape and Visual during construction phase

Abbreviations: ET – Environmental Team, IEC – Independent Environmental Checker, ER – Engineer's Representative

Each step of actions required shall be implemented within 1 working day unless otherwise specified or agreed with EPD.

APPENDIX K SUMMARY OF EXCEEDANCE

Appendix K Exceedance Report

(A) Exceedance Report for Air Quality

Environmental Monitoring	Parameter	No. of non-project related Exceedance		related Exceedance		to the uction s of the
		Action Level	Limit Level	Action Level	Limit Level	
Air Quality	1-hr TSP	0	0	0	0	
	24-hr TSP	0	0	0	0	

(B) Exceedance Report for Construction Noise

Environmental Monitoring	Parameter Action Limit		No. of Exceedance related to the Construction Activities of the Project		
			Limit Level	Action Level	Limit Level
Noise	L _{eq} (30 min.) dB(A)	0	0	0	0

(C) Exceedance Report for Water Quality

Environmental Monitoring	Parameter	No. of non-project related Exceedance		No. of Exceedance related to the Construction Activities of the Project	
		Action Level	Limit Level	Action Level	Limit Level
Water Quality	Dissolved Oxygen (DO)	0	0	0	0
	Turbidity	0	0	0	0
	Suspended Solids (SS)	0	0	0	0

APPENDIX L SITE AUDIT SUMMARY Contract No. YL/2020/01 - Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

Weekly Site Inspection Record Summary

Checklist Reference Number	230607
Date	7 June 2023 (Wednesday)
Time	9:30 - 11:15

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Air Quality	
230607-R02	The site exit / entrance at WCR (near Pond 10) should be paved.	B7
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Water Quality	
230607-R01	• The silt curtain deployment at DCM7 should be reviewed and enhanced and the works area should also be surrounded by silt curtain completely.	D22
230607-R02	• The site exit / entrance at WCR (near Pond 10) should be paved.	D13v.
	E. Waste / Chemical Management	
	No environmental deficiency was identified during site inspection.	
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
	No environmental deficiency was identified during site inspection.	
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	Follow-up on previous audit section (Ref. No.: 230531), all environmental deficiencies have been improved/ rectified by the contractor.	

Name	Signature	Date
Ivy Tam	Ing	7 June 2023
Dr. Priscilla Choy	WF	7 June 2023
	Ivy Tam	Ivy Tam

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

Weekly Site Inspection Record Summary

Checklist Reference Number	230614
Date	14 June 2023 (Wednesday)
Time	14:00 - 15:15

Ref. No.	Non Compliance	Related Item No.
Kel. No.	Non-Compliance None identified	item No.
-	None identified	Related
Ref. No.	Remarks/Observations	Item No.
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Water Quality	
	 No environmental deficiency was identified during site inspection. 	
	• To environmental denetency was identified during site inspection.	
	E. Waste / Chemical Management	
	No environmental deficiency was identified during site inspection.	
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
	 No environmental deficiency was identified during site inspection. 	
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	Follow-up on previous audit section (Ref. No.: 230607), all environmental deficiencies have been	
	improved/ rectified by the contractor.	

	Name	Signature	Date
Recorded by	Ivy Tam	Try	14 June 2023
Checked by	Dr. Priscilla Choy	WF	14 June 2023

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

Weekly Site Inspection Record Summary

Checklist Reference Number	230621
Date	21 June 2023 (Wednesday)
Time	14:00 - 15:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Air Quality	
230621-R02	• Dust suppression measures and water quality mitigation measures should be provided for the dusty materials stockpiling site at Zone 4.	B2
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Water Quality	
230621-R01	• The silt curtain should be deployed to enclose the works area of meander bridge without gap.	D22
230621-R02	• Dust suppression measures and water quality mitigation measures should be provided for the dusty materials stockpiling site at Zone 4.	D8
	E. Waste / Chemical Management	
	No environmental deficiency was identified during site inspection.	
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
	No environmental deficiency was identified during site inspection.	
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	Follow-up on previous audit section (Ref. No.: 230614), no major environmental deficiency was identified during site inspection.	

	Name	Signature	Date
Recorded by	Ivy Tam	Tun	21 June 2023
Checked by	Dr. Priscilla Choy	WF	21 June 2023

Service Contract No. WD/04/2020

Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

Weekly Site Inspection Record Summary

Checklist Reference Number	230628
Date	28 June 2023 (Wednesday)
Time	14:00 – 15:15

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Air Quality	
230628-R02	• Dust suppression measures and water quality mitigation measures should be provided for the dusty materials stockpiling site at Zone 4.	B2
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Water Quality	
230628-R01	• The silt curtain should be deployed to enclose the works area of meander bridge without gap.	D22
230628-R02	• Dust suppression measures and water quality mitigation measures should be provided for the dusty materials stockpiling site at Zone 4.	D8
	E. Waste / Chemical Management	
	No environmental deficiency was identified during site inspection.	
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
230628-R03	Provide maintenance to the green fence at Pond 12 and meander bridge works area.	H2
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	Follow-up on previous audit section (Ref. No.: 230621), follow-up actions were required for item 230621-R01 and 230621-R02, which were remarked as 230628 – R01 and 230628-R02 respectively.	

	Name	Signature	Date
Recorded by	Adrian Lam	A	30 June 2023
Checked by	Dr. Priscilla Choy	WF	30 June 2023
		1	

Contract No. YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

Contract No. YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

Weekly Site Inspection Record Summary

r	
Checklist Reference Number	230607
Date	7 June 2023 (Wednesday)
Time	14:00 - 15:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Water Quality	
230607-R01 230607-R02	 The existing drainage channel at Fu Tai Site Area should be cleared and protected. The muddy water surface runoff should be properly collected and pumping to the treatment facilities before discharging out at LCS. 	D8 D4
	E. Waste / Chemical Management	
230607-R03	• The handrail at the nullah at LCS should be removed.	E6ii. & E10
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
	No environmental deficiency was identified during site inspection.	
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	• Follow-up on previous audit section (Ref. No.: 230531), follow-up action is needed for Items 230531-R03 and 230531-R04 which were remarked as 230607-R02 and 230607-R03 respectively.	

	Name	Signature	Date
Recorded by	Ivy Tam	Lun	7 June 2023
Checked by	Dr. Priscilla Choy	WF	7 June 2023

Contract No. YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

Weekly Site Inspection Record Summary

Checklist Reference Number	230614
Date	14 June 2023 (Wednesday)
Time	9:30 - 11:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Water Quality	
230614-001	• Muddy water was observed outside the site exit at the public road. The Contractor was reminded to provide mitigation measures to avoid the discharge of muddy water directly and wheel wash water should be properly collected and treated before discharging out. (TAR1).	D2, D4, D14iv.
230614-R01	• The water filled barriers should be removed away from the nullah at TAR1.	D8
230614-R03	• The wetsep should be provided at RW9 according to the approved effluent discharge license.	D7
	E. Waste / Chemical Management	
230614-R01	• The water filled barriers should be removed away from the nullah at TAR1.	E10
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
230614-R02	• The retained trees should be properly protected at Fu Tai site area.	G1
	H. Ecology	
	No environmental deficiency was identified during site inspection.	
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	• Follow-up on previous audit section (Ref. No.: 230607), follow-up action is needed for Items 230607-R01 and 230607-R02 which were remarked as 230614-R04 and 230614-R05 respectively.	

	Name	Signature	Date
Recorded by	Ivy Tam	Lun	14 June 2023
Checked by	Dr. Priscilla Choy	NIT	14 June 2023

Contract No. YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

Weekly Site Inspection Record Summary

Checklist Reference Number	230621	
Date	21 June 2023 (Wednesday)	
Time	9:30 - 11:30	

Ref. No.	Non-Compliance	Related Item No
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Water Quality	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
	No environmental deficiency was identified during site inspection.	
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
	No environmental deficiency was identified during site inspection.	
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	• Follow-up on previous audit section (Ref. No.: 230614), all environmental deficiency was improved/rectified by Contractor.	

	Name	Signature	Date
Recorded by	Ivy Tam	Try	21 June 2023
Checked by	Dr. Priscilla Choy	WT	21 June 2023
		1	

Contract No. YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

Weekly Site Inspection Record Summary

inspection information		
Checklist Reference Number	230628	
Date	28 June 2023 (Wednesday)	
Time	9:30 – 11:00	

New Compliance	Related Item No.
	Item No.
	Related
Pemarks/Observations	Item No.
	Item No.
• No environmental deficiency was identified during site inspection.	
C. Noise	
No environmental deficiency was identified during site inspection.	
D. Water Quality	
• Provide maintenance to water mitigation measures at site exit. (Reed bed 3A)	D 8
E. Waste / Chemical Management	
• No environmental deficiency was identified during site inspection.	
F. Land Contamination	
No environmental deficiency was identified during site inspection.	
G. Landscape and Visual	
No environmental deficiency was identified during site inspection.	
H. Ecology	
No environmental deficiency was identified during site inspection.	
I. Fisheries	
No environmental deficiency was identified during site inspection.	
J. Permits/Licences	
No environmental deficiency was identified during site inspection.	
K. Others	
• Follow-up on previous audit section (Ref. No.: 230621), no major environmental deficiency was identified during site inspection.	
	 No environmental deficiency was identified during site inspection. D. Water Quality Provide maintenance to water mitigation measures at site exit. (Reed bed 3A) E. Waste / Chemical Management No environmental deficiency was identified during site inspection. F. Land Contamination No environmental deficiency was identified during site inspection. G. Landscape and Visual No environmental deficiency was identified during site inspection. H. Ecology No environmental deficiency was identified during site inspection. I. Fisheries No environmental deficiency was identified during site inspection. K. Others Follow-up on previous audit section (Ref. No.: 230621), no major environmental

	Name	Signature	Date
Recorded by	Adrian Lam	A	30 June 2023
Checked by	Dr. Priscilla Choy	NF	30 June 2023

Contract No. YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2

Service Contract No. WD/04/2020

Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team

Weekly Site Inspection Record Sun	nmary	
Inspection Information		
Checklist Reference Number	230605	
Date	5 June 2023 (Monday)	
Time	14:00-15:00	

Ref. No.	Non Compliance	Related
Kel. INO.	Non-Compliance None identified	Item No.
-	None identified	Related
Ref. No.	Remarks/Observations	Item No.
Rel . 110.	B. Air Quality	Item No.
	 No environmental deficiency was identified during site inspection. 	
	The environmental deneterory was identified during site inspection.	
	C. Noise	
	• No environmental deficiency was identified during site inspection.	
	D. Water Quality	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
230605-R01	• The water barriers at near the drainage channel at EEAA should be removed.	E10
230605-R02	• Drip trays should be provided for chemical containers.	E13
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
	No environmental deficiency was identified during site inspection.	
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	• Follow-up on previous audit section (Ref. No.:230529), follow-up actions are required	
	for item 230529-R01, which was remarked as 230605-R01.	

	Name	Signature	Date
Recorded by	Adrian Lam	A	6 June 2023
Checked by	Dr. Priscilla Choy	LE	6 June 2023

Weekly Site Inspection Record Summary			
Inspection Information			
Checklist Reference Number	230612		
Date	12 June 2023 (Monday)		
Time	14:00-15:00		

		Related
Ref. No.	Non-Compliance	Item No.
FM	None identified	-
		Related
Ref. No.	Remarks/Observations	Item No
	B. Air Quality	
	No environmental deficiency was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	• No environmental denciency was identified during site inspection.	
	D. Water Quality	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
230612-R01	Construction waste should be collected in designated area and disposed of regularly.	E 1iii
250012-1(01	• Construction waste should be concered in designated area and disposed of regularity.	LIIII
	F. Land Contamination	·····
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
	No environmental deficiency was identified during site inspection.	
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	• Follow-up on previous audit section (Ref. No.:230605), all environmental deficiency have been rectified/ improved by the Contractor.	

	Name	Signature	Date
Recorded by	Adrian Lam	A	13 June 2023
Checked by	Dr. Priscilla Choy	NT-	13 June 2023

Weekly Site Inspection Record Summary			
Inspection Information			
Checklist Reference Number	230619		
Date	19 June 2023 (Monday)		
Time	14:00-15:30		

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Air Quality	
230619-R03	NRMM label should be provided for the excavator mounted breaker.	B24
	C. Noise	
230619-R02	• Noise mitigation measures should be provided for the metal collision noise from the chains during sheet piling works and breaker during rock breaking works.	C5
	D. Water Quality	
230619-R01	• The nullah should be properly protected to avoid the soil and muddy surface runoff from the nearby works area getting into the nullah.	D8
	E. Waste / Chemical Management	
	No environmental deficiency was identified during site inspection.	
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
230619-R01	• The nullah should be properly protected to avoid the soil and muddy surface runoff from the nearby works area getting into the nullah.	H12 & H15
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	• Follow-up on previous audit section (Ref. No.:230612), all environmental deficiency have been rectified/ improved by the Contractor.	

	Name	Signature	Date
Recorded by	Ivy Tam	Lun	19 June 2023
Checked by	Dr. Priscilla Choy	WF	19 June 2023

Service Contract No. WD/04/2020

Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team

Weekly Site Inspection Record Summary			
Inspection Information			
Checklist Reference Number	230626		
Date	26 June 2023 (Monday)		
Time	14:00-14:45		

DAN		Related
Ref. No.	Non-Compliance	Item No
-	None identified	-
Dof No	Remarks/Observations	Related Item No
Ref. No.	B. Air Quality	Item No
	No environmental deficiency was identified during site inspection.	
	• No environmental denerciety was identified during site inspection.	
	C. Noise	
	No environmental deficiency was identified during site inspection.	
	D. Water Quality	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
	No environmental deficiency was identified during site inspection.	
	• No environmental denerciety was identified during site inspection.	
	F. Land Contamination	
	No environmental deficiency was identified during site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during site inspection.	
	H. Ecology	
	No environmental deficiency was identified during site inspection.	
	I. Fisheries	
	No environmental deficiency was identified during site inspection.	
	J. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	K. Others	
	• Follow-up on previous audit section (Ref. No.:230619), all environmental deficiencies	
	have been rectified/ improved by the Contractor.	

	Name	Signature	Date
Recorded by	Ivy Tam	Luy	26 June 2023
Checked by	Dr. Priscilla Choy	WF	26 June 2023

APPENDIX M ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
Construct	tion Dust li	npact					
S3.8	D1- DP1/D P2/DP3	Mitigation measures in form of regular watering under a good site practice should be adopted. Watering once per hour on exposed worksites and haul road is proposed to achieve dust removal efficiency of 92.1%. While the above watering frequencies are to be followed, the extent of watering may vary depending on actual site conditions but should be sufficient to maintain an equivalent intensity of no less than 1.6 L/m2 to achieve the respective dust	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	۸
S3.8	D2- DP1/D P2/DP3	 removal efficiencies The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation All vehicles shall be shut down in intermittent use Only well-maintained plant should be operated on-site to avoid emission of dark smoke 	Reduce air pollution emission from construction vehicles and plants	Contractor	All construction sites	Construction stage	۸ ۸
		 Valid No-Road Mobile Machinery (NRMM) labels should be provided to regulated machines 					*
S3.8	D2- DP1/D P2/DP3	 Following dust suppression measures should also be incorporated by the Contractor to control the dust nuisance throughout the construction Phase Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed 	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	^ #
		 or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads: 					۸
		 A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones; The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty material do not leak from 					Λ Λ

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		 the vehicle; Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period. The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously; Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet; Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding; Any skip hoist for material transport should be totally enclosed by impervious sheeting; Every stock of more than 20 bags of cement or dry mythemione for the particular by the stored by impervious sheeting; 					* ^ ^ ^ ^
		pulverised fuel ash (PFA) should be covered entirely by					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		 impervious sheeting or placed in an area sheltered on the top and the 3 sides; Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked 					N/A
		 with the material filling line and no overfilling is allowed; Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air 					N/A
		 pollution control system; and Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies. 					۸
S3.8	D4-	Implement regular dust monitoring under EM&A programme	Monitoring of dust impact	Contractor	Selected	Construction	۸
	DP1/D	during the construction stage.			representative	stage	
	P2/DP3				dust		
					monitoring		
					station		
Construc	tion Noise	Impact		•	•		
S4.8	N-CP1-	Implement the following good site management practices:	Control construction	Contractor	All construction	Construction	
	DP1/D	 Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction 	airborne		sites	stage	٨
	P2/DP3	 programme; Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; 	noise				٨
		 Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; silencers or mufflers on construction 					۸

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		 equipment should be properly fitted and maintained during the construction works; Mobile plant should be sited as far away from NSRs as possible and practicable; Material stockpiles, mobile container site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities. 					۸
S4.8	N-CP2-	Install temporary site hoarding (approx 2.4m high) located on the site boundaries between noisy construction activities and NSRs.	Reduce the construction	Contractor	All construction	Construction	٨
	DP1/D	The conditions of the hoardings shall be properly maintained	noise levels at low-level		sites where	phase	
	P2/DP3	throughout the construction period.	zone of NSRs through		practicable		
			partial screening.				
S4.8	N-CP3-	Install movable noise barriers and full enclosure, screen the noisy plants including air compressor and generator.	Screen the noisy plant	Contractor	All construction	Construction	*
	DP1/D	plants including all compressor and generator.	items to be used at all		sites where	phase	
	P2/DP3		construction sites		practicable		
S4.8	N-CP4-	Use of "Quiet" Plant and Working Methods	Reduce the noise levels	Contractor	All construction	Construction	٨
	DP1/D		of plant items		sites where	phase	
	P2/DP3				practicable		
S4.8	N-CP5-	Sequencing operation of construction plants where practicable.	Operate sequentially	Contractor	All construction	Construction	٨
	DP1/D		within the same work site		sites where	phase	
	P2/DP3		to reduce the		practicable		
			construction airborne				
			noise				
S4.8	N-CP6-	Setting the concrete lorry mixer at around 25m away from the existing NSRs along Ha Wan Tsuen Road and Lok Ma Chau Road	Reduce the noise levels	Contractor	Sections with	Construction	٨
	DP2	EXISTING INSERTION IN THE WAIT ISLET ROAD AND LOK MA CHAU ROAD	from concrete lorry mixer		NSRs along Ha	phase	
					Wan Tsuen		
					Road and Lok		

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
					Ma Chau Road		
S4.8	N-CP8-	Provide temporary noise barrier during construction phase.	Control airborne noise	Contractor	Refer to Figure	Construction	۸
	DP2		from construction access		4-8 of the EIA	phase	
			road traffic		report		
S4.8	N-CP7-	Implement a noise monitoring under EM&A programme.	Monitor the construction	Contractor	Selected	Construction	۸
	DP2/N-		noise levels at the		representative	phase	
	CP6-		selected representative		noise monitoring		
	DP1/N-		locations		station		
	CP6-						
	DP3						
Water Qua	ality Impac	t (Construction Phase)			•		
S5.7	W1-	Construction Runoff and Site Drainage	Minimize water quality	Contractor	All construction	Construction	
	CP-	In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection	impact from construction		sites where	phase	
	DP1/D	Department,	site runoff and general		practicable		
	P2/DP3	1994 (ProPECC PN 1/94), construction phase mitigation measures,	construction activities				
		where appropriate, should include the following:					
		 Update and implementation of Stormwater Pollution Control Plan 					^
		At the start of site establishment, perimeter cut-off drains					
		to direct off-site water around the site should be					^
		constructed with internal drainage works and erosion and					
		sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and					
		culverts), earth bunds or sand bag barriers should be					
		provided on site to direct stormwater to silt removal					
		facilities. The design of the temporary on-site drainage					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		eventere will be undertaken by the constructor prior to the		ineasures :			
		system will be undertaken by the contractor prior to the commencement of construction.					
		 Diversion of natural stormwater should be provided as far 					*
		as possible. The design of temporary on-site drainage					
		should prevent runoff going through site surface,					
		construction machinery and equipments in order to avoid					
		or minimize polluted runoff. Sedimentation tanks with					
		sufficient capacity, constructed from pre-formed individual					
		cells of approximately 6 to 8 m3 capacities,					
		are recommended as a general mitigation measure which					
		can be used for settling surface runoff prior to disposal.					
		The system capacity shall be flexible and able to handle					
		multiple inputs from a variety of sources and suited to					
		applications where the influent is pumped.					
		The dikes or embankments for flood protection should be					#
		implemented around the boundaries of earthwork areas.					
		Temporary ditches should be provided to facilitate the					
		runoff discharge into an appropriate watercourse, through					
		a silt/sediment trap. The silt/sediment traps should be					
		incorporated in the permanent drainage channels to					
		enhance deposition rates.					^
		The design of efficient silt removal facilities should be					
		based on the guidelines in Appendix A1 of ProPECC PN					
		1/94. The detailed design of the sand/silt traps should be					
		undertaken by the contractor prior to the commencement					
		of construction.					
		Construction works should be programmed to minimize					
		surface excavation works during the rainy seasons (April					۸
		to September). All exposed earth areas should be					
		completed and vegetated as soon as possible after					
		earthworks have been completed. If excavation of soil					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		 cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means. All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas. Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, it should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be 	Concerns to address	measures ?			Λ
		 Norm trenches of foundation excavations should be discharged into storm drains via silt removal facilities. All open stockpiles of construction materials (for example, aggregates, sand and fill material) of should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system. Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so 					Λ.
		 as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers. Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to 					۸

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		the control of silty surface runoff during storm events.					^
		 All vehicles and plant should be cleaned before leaving a 					
		construction site to ensure no earth, mud, debris and the					
		like is deposited by them on roads. An adequately					
		designed and sited wheel washing facilities should be					*
		provided at every construction site exit where practicable.					
		Wash-water should have sand and silt settled out and					
		removed at least on a weekly basis to ensure the					
		continued efficiency of the process. The section of access					
		road leading to, and exiting from, the wheel-wash bay to					
		the public road should be paved with sufficient backfall					
		toward the wheelwash bay to prevent vehicle tracking of					
		soil and silty water to public roads and drains.					
		Oil interceptors should be provided in the drainage system					
		downstream of any oil/fuel pollution sources. The oil					^
		interceptors should be emptied and cleaned regularly to					
		prevent the release of oil and grease into the storm water					
		drainage system after accidental spillage. A bypass should					
		be provided for the oil interceptors to prevent flushing					
		during heavy rain.					
		Construction solid waste, debris and rubbish on site should					^
		be collected, handled and disposed of properly to avoid					A
		water quality impacts.					
		All fuel tanks and storage areas should be provided with					
		locks and sited on sealed areas, within bunds of a capacity					۸
		equal to 110% of the storage capacity of the largest tank					
		to prevent spilled fuel oils from reaching water sensitive					
		receivers nearby.					
		Regular environmental audit on the construction site					
		should be carried out in order to prevent any malpractices.					^
		Notices should be posted at conspicuous locations to					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		remind the workers not to discharge any sewage or wastewater into the meander, wetlands and fish ponds.					
S5.7	W3-	Groundwater from Contaminated Area	Minimize groundwater	Contractor	Areas where	Construction	
	CP-	No mitigation measure is required for groundwater	quality impact from		contamination is	phase	
	DP1/D	treatment in LMC Loop.Additional investigation is required to identify if	contaminated area		found.		N/A
	P2/DP3	contaminated groundwater is found.					
		If the investigation results indicated that the groundwater					N/A
		to be generated from construction works would be					
		contaminated, the contaminated groundwater should be					N/A
		either discharged into recharged wells, or properly treated in compliance with the requirements of Technical					
		Memorandum on Standards for Effluents Discharged into					
		Drainage on Sewerage Systems, Inland and Coastal					
		Waters.					
		• If recharged well method were used, the groundwater					N/A
		quality in the recharged well should not be affected by					
		recharging operation, i.e. the pollution levels of the					
		recharged groundwater should not be higher than that in					
		the recharging wells.					
		If treatment and discharge method were used, the design					
		of wastewater treatment facilities, such as active carbon					N/A
		and petrol interceptor, should be submitted to the EPD and a discharge license should be obtained under the WPCO					
		through the Regional Offices of EPD.					
S5.7	W3-	Sewage from Workforce	Minimize water quality	Contractor	All construction	Construction	
	CP-	Portable chemical toilets and sewage holding tanks should	from sewage effluent		sites where	phase	۸
	DP1/D	be provided for handling the construction sewage	<u> </u>		practicable		
		generated by the workforce. A licensed contractor should			practicable		
	P2/DP3	be employed to provide appropriate and adequate portable					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		 toilets to cater 0.15m3/day/employed populations and be responsible for appropriate disposal and maintenance. Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project. Regular environmental audit on the construction site 					۸
		should be conducted in order to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site.					۸
S5.7	W4-	Riverbanks Formation	Minimize water quality	Contractor	Riverbank	Construction	
	CP- DP1	 In order to prevent sediment transport during riverbank works, deployment of silt curtain should be implemented, especially when construction works encroach or occur in close distance to water body. It is recommended to carry out all the riverbank works within a cofferdam or diaphragm wall. 	impact from riverbank works		works	Phase	*
		 Water quality of the Shenzhen River and the meander would be monitored to ensure effectiveness of the implemented mitigation measures. 					۸
S5.7	W1-	Bio-remediation in Shenzhen River	Minimize water quality	Contractor	Shenzhen River	Construction	
	CP-BR	• Water quality monitoring and audit is recommended to ensure that the proposed bio-remediation operation would not result in adverse water quality impact. Details of the water quality monitoring programme are presented in the EM&A Manual. If unacceptable water quality impact in the receiving water is recorded, additional measures such as	impact from bio- remediation of Shenzhen River		where practicable	phase	N/A

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		implemented as necessary.					
S5.7	W4-	Construction of Viaduct across Reedbed in LMC Station	Minimize water quality	Contractor	Construction	Construction	N/A
	CP-	As a precautionary measures, three options are recommended to	impact from of viaduct on		sites across	phase	
	DP3	ensure the compliance of No Net Increase in Pollution Load in	reedbed		reedbed in LMC		
		Deep Bay for further consideration. They include:			Station		
		On-site compensate the same area of the occupied					
		reedbed;					
		 Provide pilot plant during construction; or Increase the hydraulic retention time of the proposed Loop 					
		STW.					
		Details of these measures will be subject to further liaison with					
		MTRC and a separate VEP application.					
05.7	14/5	Occurrentian of Dridge Occurring	N dia inciana anna da anna 1945.	O antra atan	Ormetrustian	Ormationation	N//A
S5.7	W5-	Construction of Bridge Crossing	Minimize water quality	Contractor	Construction	Construction	N/A
	CP-	Good site management as stipulated in ProPECC PN1/94 should be fully implemented to avoid polluted liquid or solid	impact from construction		sites for bridge	phase	
	DP2/D	wastes from falling into the WSRs.	of bridge crossing		crossing where		
	P3	• All the fishponds will be drained and no fishpond will be			practicable		N/A
		affected by bridge crossing.					
		• In the meander, cofferdam or diaphragm walls should be					N/A
		deployed for protecting fish ponds or nearby rivers during					
		bridge pier construction and or road widening work at fishponds.					
		 For the low level viaducts crossing the small streams at Ma 					N/A
		Tso Lung, Ping Hang and channel near Lung Hau Road,					
		precast structures will be used such that there will be no					
		construction work in the water streams, and thus, to avoid					
		direct water quality impacts.					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
-	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
Waste Ma	nagement	(Construction Waste)					
S7.6	WM1-	Waste Reduction Measures	Reduce waste generation	Contractor	All construction	Construction	
	DP1/D	Waste reduction is best achieved at the planning and design			sites where	phase	
	P2/DP3	phase, as well as by ensuring the implementation of good site practices. The following recommendations are proposed to achieve reduction:			practicable	P. 1992	
		 Segregate and store different types of waste in different containers, skip or stockpiles to enhance reuse or recycling of materials and their proper disposal; 					*
		proper storage and site practices to minimize the potential					*
		for damage and contamination of construction materials;					٨
		 plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary 					
		 generation of waste; sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.); 					۸
		 provide training to workers on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling. 					۸
S7.6	WM2-	Prepare Waste Management Plan and submit to the Engineer for	Minimize waste	Contractor	All construction	Construction	٨
	DP1/D	approval	generation during		sites	phase	
	P2/DP3		construction				
S7.6	WM2-	Good Site Practice	Minimize waste	Contractor	All construction	Construction	
	DP1/D P2/DP3	 The following good site practices are recommended throughout the construction activities: Nomination of an approved personnel, such as a site manager, to be responsible for the implementation of good 	generation during construction		sites	phase	۸

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		 site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; Training of site personnel in site cleanliness, appropriate waste management procedures and concepts of waste reduction, reuse and recycling; Provision of sufficient waste disposal points and regular collection for disposal; Appropriate measures to minimise windblown litter and dust during transportation of wastes in enclosed containers; 					л л л
		 Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; 					۸
S7.6	WM4-	Storage of Waste	Minimize waste	Contractor	All construction	Construction	
	DP1/D P2/DP3	 The following recommendation should be implemented to minimize the impacts: Waste such as soil should be handled and stored well to ensure secure containment; Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; Different locations should be designated to stockpile each material to enhance reuse; 	generation during construction		sites	phase	۸ ۸ ۸
S7.6	WM5- DP1/D P2/DP3	 <u>Collection and Transportation of Waste</u> The following recommendation should be implemented to minimize the impacts: Remove waste in timely manner; 	Minimize waste impact from storage	Contractor	All construction sites	Construction phase	۸
		 Employ the trucks with cover or enclosed containers for waste transportation; 					٨

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		 Obtain relevant waste disposal permits from the appropriate authorities; and Disposal of waste should be done at licensed waste disposal facilities. 					۸ ۸
S7.6	WM6-	Excavated and C&D Material	Minimize waste impacts	Contractor	All construction	Construction	
	DP1/D P2/DP3	Wherever practicable, C&D materials should be segregated from other wastes to avoid contamination and ensure acceptability at Public Fill Reception Facilities areas or reclamation sites. The following mitigation measures should be implemented in handling	from excavated and C&D material		sites	phase	
		 the excavated and C&D materials: Maintain temporary stockpiles and reuse excavated fill material for backfilling; 					^
		Carry out on-site sorting;					۸
		 Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; and 					۸
		 Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified. 					٨
		The recommended C&D materials handling should include:					۸
		 On-site Sorting of C&D Materials Reuse of C&D Materials 					^
							^
		Materials Purchasing					۸
		Provision of Wheel Wash Facilities					
07.0		Details refer to Section 7.6.1.4 of the EIA report.					
S7.6	WM7- DP1/D	<u>Contaminated Soil</u> As a precaution, it is recommended that standard good site practice should be implemented during the construction phase to	Remediate contaminated soil	Contractor	All construction sites where	Construction phase	N/A

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
	P2/DP3	minimize any potential exposure to contaminated soils or groundwater. The details of mitigation measures to minimize the potential environmental implications arising from the handling of contaminated materials refer to Land Contamination Section.			applicable		
S7.6	WM8-	<u>Chemical Waste</u>	Control the chemical	Contractor	All construction	Construction	
	DP1/D	If chemical wastes are produced at the construction site, the	waste and ensure proper		sites	phase	۸
	P2/DP3	Contractors should register with EPD as chemical waste	storage, handling and				
		producers. Chemical wastes should be stored in	disposal				
		appropriate containers and collected by a licensed chemical					
		waste contractor. Chemical wastes (e.g. spent lubricant oil)					
		should be recycled at an appropriate facility as far as					
		possible, while the chemical waste that cannot be recycled					
		should be disposed of at either the Chemical Waste					
		Treatment Centre, or another licensed facility, in					
		accordance with the Waste Disposal (Chemical Waste)					
		(General) Regulation.					
S7.6	WM9-	General Waste	Minimize production of	Contractor	All construction	Construction	
	DP1/D	General refuse should be stored in enclosed bins	the general refuse and		sites	phase	۸
	P2/DP3	separately from construction and chemical wastes.	avoid odour, pest and				
		Recycling bins should also be placed to encourage	litter impacts				
		recycling.					۸
		Preferably enclosed and covered areas should be provided					
		for general refuse collection and routine cleaning for these					
		areas should also be implemented to keep areas clean.					۸
		A reputable waste collector should be employed to remove					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		general refuse on a daily basis.					
S7.6	WM10-	<u>Sewage</u>	Minimize production of	Contractor	All construction	Construction	
	DP1/D	The WMP should document the locations and number of	sewage impacts		sites	phase	۸
	P2	portable chemical toilets depending on the number of					
		workers, land availability, site condition and activities.					
		Regularly collection by licensed collectors should be					۸
		arranged to minimize potential environmental impacts.					
S7.6	WM11-	<u>Sediment</u>	Minimize waste impacts	Contractor	All construction	Construction	
	DP2	The following mitigation measures are recommended during	from sediment		sites	phase	
		transportation and stockpiling:					
		stockpiling area(s) must be properly designed and closed to					N/A
		the dredging locations as far as possible;					
		Stockpiling area(s) should be lined with impermeable					N/A
		sheeting and bunded;					
		· stockpiles should be properly covered by impermeable					N/A
		sheeting;					
		· vehicles delivering the sediments should be covered, and					N/A
		truck bodies and tailgates should be sealed to prevent any					
		discharge during transportation;					
		bulk earth moving equipments should be utilized as much					N/A
		as possible to minimize workers' handling and contact of the					
		excavated materials; and					
		· personal protective clothing should be provided to site					N/A
		workers.					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		In case contamination of excavated materials is confirmed after					
		testing, the mitigation measures described in Land Contamination					
		Impacts section should also be implemented to minimize potential					
		environmental impacts.					
Land Con	tamination						
S8.7	LC1-	Remediation of arsenic-contaminated soil	To remediate arsenic-	Project	LMC Loop,	Prior to	
	DP2/D	"Solidification/Stabilization" (S/S) treatment method was	contaminated soil	Proponent/	contaminated	commencement	N/A
	P3	proposed for the remediation of arsenic-contaminated soil.		Contractor	area	of construction	
		Toxicity Characteristic Leaching Procedure (TCLP) test				works within the	
		should be undertaken after S/S in order to ensure that the				contaminated	
		contaminant will not leach to the environment. Unconfined				area	
		Compressive Strength (UCS) test should be conducted,					
		and not less than 1MPa should be met prior to the backfilling					
		or stockpiled for future reuse within the study area. Off-site					
		disposal or reuse of the solidified material is not allowed.					
S8.7	LC1-	Excavation and Transportation	To minimise the potential	Contractor	Contaminated		
	DP1/D	Excavation profiles must be properly designed and	environmental impacts		area		N/A
	P2/DP3	executed with attention to the relevant requirements for	arising from the handling				
		environment, health and safety;	of				
		· In case the soil to be excavated is situated beneath the	contaminated materials				
		groundwater table, it may be necessary to lower the					N/A
		groundwater table by installing well points or similar means;					
		Excavation should be carried out during dry season as far					
		as possible to minimise contaminated runoff from					N/A

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		contaminated soils;					
		Stockpiling site(s) should be lined with impermeable					N/A
		sheeting and bunded. Stockpiles should be properly					
		covered by impermeable sheeting to reduce dust emission					
		during dry season or contaminated run-off during rainy					
		season. Watering should be avoided on stockpiles of					
		contaminated soil to minimize contaminated runoff;					
		Supply of suitable clean backfill material after excavation, if					N/A
		required;					
		· Vehicles containing any excavated materials should be					N/A
		suitably covered to limit potential dust emissions or					
		contaminated run-off, and truck bodies and tailgates should					
		be sealed to prevent any discharge during transport or					
		during wet season;					
		Speed control for the trucks carrying contaminated					N/A
		materials should be enforced; and					
		· Vehicle wheel washing facilities at the site's exit points					N/A
		should be established and used.					
S8.7	LC3-	Solidification/Stabilization	To minimize the potential	Contractor	Contaminated	The course of	
	DP1/D	· The loading, unloading, handling, transfer or storage of	environmental impacts		area	remediation	N/A
	P2/DP3	cement should be carried out in an enclosed system;	arising from the handling				
		Mixing process and other associated material handling	of contaminated				N/A
		activities should be properly scheduled to minimise	materials				
		potential noise impact and dust emission;					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		• The mixing facilities should be sited as far apart as					N/A
		practicable from the nearby noise sensitive receivers;					
		· Mixing of contaminated soil and cement / water / other					N/A
		additive(s) should be undertaken at a solidification plant to					
		minimise the potential for leaching;					
		Runoff from the solidification / stabilization area should be					N/A
		prevented by constructing a concrete bund along the					
		perimeter of the solidification / stabilization area;					
		The run-off contained in the concrete bund area along the					N/A
		perimeter of the paved solidification / stabilization area, if					
		any, will be collected, stored and used for the mixing					
		process of cement / contaminated soil;					
		If stockpile of treated soil is required, the stockpiling site(s)					N/A
		should be lined with impermeable sheeting and bunded.					
		Stockpiles should be properly covered by impermeable					N/A
		sheeting to reduce dust emission during dry season or site					
		run-off during rainy season; and If necessary, there should					
		be clear and separated areas for stockpiling of untreated					
		and treated materials.					
S8.7	LC4-	Safety Measures	To minimize the potential	Contractor	Contaminated	The course of	N/A
	DP3	Set up a list of safety measures for site workers;	adverse effects on health		area	remediation	
		Provide written information and training on safety for site	and safety of construction				
		workers;	workers				
		Keep a log-book and plan showing the contaminated zones					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		and clean zones;					
		Maintain a hygienic working environment;					
		Avoid dust generation;					
		Provide face and respiratory protection gear to site workers					
		if necessary;					
		Provide personal protective clothing (e.g. chemical resistant					
		jackboot, liquid tight gloves) to site workers, if necessary;					
		Provide first aid training and materials to site worker;					
		Bulk earth moving equipment should be utilized as much as					
		possible to minimize workers' handling and contact of the					
		contaminated materials; and					
		• Eating, drinking and smoking should not be allowed in					
		contaminated areas to avoid inadvertent ingestion of					
		contaminant.					
S8.8	LC5-	Re-appraisal on the entire contamination assessment area for	Ensure any potential	Project	Entire	After land	۸
	DP3	associated infrastructure in the adjacent areas in Hong Kong	contamination activities	Proponent	contamination	resumption	
		outside LMC Loop.	from land use changes	/Detailed	assessment		
			after the approval of this	design	area for		
			land contamination	consultant	associated		
			assessment study		infrastructure in		
					the adjacent		
					areas in Hong		
					Kong outside		
					LMC Loop		

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
Landscap	e and Visu	al Impact (Construction Phase)					
S11.5.4	L-CP1-	Preservation and Protection of Existing Trees (Good Site Practice)	Avoid disturbance and	Detailed	Within project	Detailed design	
Table11.5	DP1/D	The proposed works should avoid disturbance to the	protection of existing	design	site	and construction	
.9	P3	existing trees within and close to the works areas. The tree	trees	consultant/		phase	۸
		preservation proposals shall be coordinated with the layout		Contractor			
		and design of the engineering and architectural works at					
		detailed design phase for further retention of individual					
		trees.					
		It is recommended that a full detailed tree survey and felling					۸
		application will be undertaken and submitted for approval					
		by the relevant government departments in accordance with					
		ETWB TCW No. 3/2006, 'Tree Preservation'. This will be					
		conducted during the detailed design phase of the project					
		and submitted to DLO for approval. The methodology and					
		scope including the programme for the tree survey and					
		felling application are also subject to the approval of the					
		relevant authorities.					
		Trees which are not in conflict with the proposals would be					
		retained and shall be protected by means of fencing during					*
		construction phase to prevent damage to tree canopies and					
		root zones from vehicles and storage of materials.					
		Specifications for the protection of existing trees will be					
		provided during the preparation of the detailed tree survey					۸
		by Detailed Design consultants at detailed design and					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		construction phase.					
S11.5.4	L-CP2-	Works Area and Temporary Works Areas (Good Site Practice)	Minimize landscape	Contractor	The whole	Construction	
Table	DP1/D	The construction sequence and construction programme	impacts		project area	phase	۸
11.5.9	P2/DP3	shall be optimized in order to minimize the duration of			where		
		impact.			applicable		
		Construction site controls shall be enforced including the					٨
		storage of materials, the location and appearance of site					
		accommodation and site storage; and the careful design of					
		site lighting to prevent light spillage.					
		The temporary works areas shall be restored to its original					۸
		condition or enhanced through the introduction of new					
		amenity areas or planting areas following the completion of					
		the construction phase.					
	L-CP3-	Advance Implementation of Mitigation Planting	Minimize landscape	Contractor	The whole	Construction	
	DP1/D	Replanting of existing / disturbed vegetation shall be	impacts		project area	phase	۸
	P2/DP3	undertaken at the earliest possible stage of the construction			where		
		phase of the project using predominantly native plant			applicable		
		species although ornamental species may be used for					
		roadside planting and amenity areas.					
	L-CP4-	Transplantation of Existing Trees	Minimize landscape	Contractor	The whole	Construction	
	DP1/D	Some specimens have relatively higher amenity value	impacts		project area	phase	۸
	P2/DP3	which are in conflict with the proposals shall be considered			where		
		for transplantation. For trees affected by the proposed			applicable		
		infrastructure works the final receptor sites shall be					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		preferably adjacent to their current locations alongside of					
		the alignment to retain their contribution to the local					
		landscape context. For the LMC Loop the receptor locations					
		will be selected to allow the trees to be moved directly to					
		their final locations in accordance with the detailed					
		landscape proposals.					۸
		• The transplanting proposals are subject to review at the					
		detailed design phase and to agreement-in-principle with					
		the relevant management and maintenance agents and/or					
		government departments. The implementation programme					
		for the proposed works shall reserve sufficient time for the					
		advanced tree transplanting preparation works to enhance					
		the survival of the transplanted trees.					
		The transplanting proposals will be subject to the findings					۸
		of the detailed tree survey and felling application to be					
		undertaken by the detailed design consultants and following					
		approval by the relevant departments.					
	L-CP6-	Creation of Wetland and Landscape Buffer	Compensation of the loss	Project	The whole	Detailed design,	
	DP1/D	The existing reedbed acquired for development areas for	of landscape resources	Proponent/	project area	construction and	۸
	P2	the project will be reinstated as part of the Ecological Area.		Detailed	where	operational	
		The reinstatement shall be undertaken at the earliest		design	applicable	phases	
		possible stage during the construction phase of the project.		consultant/			
		Creation of 12.78ha of Ecological Area (EA) containing reed		Contractor/			
		marsh and marsh will be created at the southern portion of		Operator			۸

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		the LMC Loop, and a 50m width landscape buffer area will					
		be set up in between the EA and the development area.					
		Wetland creation concepts please refer to Figure 11.9zf and					
		Chapter 12 Ecology Impact Assessment of this EIA.					
		Native tree and shrub mix will be utilised for the creation of					
		landscape buffer along northern edge of EA to support the					^
		creation of avifauna habitat from ecologist perspectives as					
		well as enhance the aesthetic and landscape diversity					
		within the LMC Loop Development.					
		Creation of minimum 11.72 Ha. of permanent compensatory					^
		off-site wetland areas at Sam Po Shue and Hoo Hok Wai.					
		For the potential locations for off-site wetlands please refer					
		to Figure 11.9zf and 11.9zh, Chapter 2 Project Description					
		and Chapter 12 Ecology Impact Assessment of this EIA.					
	V-CP5-	Coordination with Concurrent Projects	Minimize landscape	Contractor	The whole	Construction	
	DP1/D	Coordinated implementation programme with concurrent	impacts		project area	phase	۸
	P2/DP3	projects to minimise impacts and where possible reduce the			where		
		period of disturbance.			applicable		
S11.6.5	V-CP1-	Preservation and Protection of Existing Trees (Good Site Practice)	Minimise visual impact	Detailed	The whole	Detailed design	^
Table	DP3	• The proposed works should avoid disturbance to the		design	project area	and construction	
11.6.3		existing trees within and close to the works areas. The tree		consultant /	where	phase	
		preservation proposals shall be coordinated with the layout		Contractor	applicable		
		and design of the engineering and architectural works at					
		detailed design phase for further retention of individual					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		trees.					
		• The preservation of existing tree shall provide instant					
		greening and screening effect for proposed works.					
	V-CP2-	Works Area and Temporary Works Areas (Good Site Practice)	Minimise visual impact	Contractor	The whole	Construction	۸
	DP3	• The construction sequence and construction programme			project area	phase	
		shall be optimized in order to minimize the duration of			where		
		impact.			applicable		
		Construction site controls shall be enforced including the					
		storage of materials, the location and appearance of site					
		accommodation and site storage; and the careful design of					
		site lighting to prevent light spillage.					
		· Hoarding designed with recessive colour shall be set up					
		around the construction site providing screening effect for					
		the construction works.					
		The site office or temporary above-ground structures shall					
		be sited at less visual prominent locations.					
	V-CP3-	Advance Implementation of Mitigation Planting	Minimise visual impact	Detailed	The whole	Detailed design	N/A
	DP3	Replanting of existing / disturbed vegetation shall be	and advance mitigation	design	project area	and construction	
		undertaken at the earliest possible stage of the construction	planting for screening	consultant /	where	phases	
		phase of the project using predominantly native plant	purpose.	Contractor	applicable		
		species although ornamental species may be used for					
		roadside planting and amenity areas.					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
	V-CP5-	Coordination with Concurrent Projects	Minimize visual impacts	Contractor	The whole	Construction	٨
	DP3	Coordinated implementation programme with concurrent			project area	phase	
		projects to minimise impacts and where possible reduce the			where		
		period of disturbance.			applicable		
Ecology (0	Constructi	on Phase)					
S12.7	E1-DP1	Disturbance to Fish Ponds at HHW	On the disturbance to fish	Detailed	Fish ponds at	Detailed design,	
		• Development set back a minimum of 23m from the edge	ponds at HHW	design	HHW and LMC	construction	N/A
		Meander.		consultant/		phase	
		· Management of fish pond habitat to enhance ecological		Contractor			N/A
		value to twice existing value, in order to compensate for					
		disturbance to large waterbirds.					
		Creation and establishment will occur prior to					
		commencement of substantive works associated with any					N/A
		element of the project for which fish pond compensation is					
		required.					
		Construction phase					
		Erection of a 3m high, dull green site boundary fence to					#
		minimise disturbance to wetland habitats caused by human					
		activity in LMC Loop.					
S12.7	E2-	Construction run-off	Minimise the indirect	Contractor	Seawall,	During	
	DP1/D	· Temporary sewerage and drainage will be designed and	impact from the			construction	٨
	P3	installed to collect wastewater and prevent it from entering	increasing suspended				
		nearby water bodies;	solids and pollutants in				
		Proper locations well away from nearby water bodies will be	LMC Meander				۸

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		used for temporary storage of materials (i.e. equipment,					
		filling materials, chemicals and fuel) and temporary					
		stockpile of construction debris and spoil, and these will be					
		identified before commencement of works;					
		To prevent muddy water entering nearby water bodies, work					*
		sites close to nearby water bodies will be isolated, using					
		such items as sandbags or silt curtains with lead edge at					
		bottom and properly supported props. Other protective					
		measures will also be taken to ensure that no pollution or					
		siltation occurs to the water gathering grounds of the work					
		site;					
		If temporary access along a riverbed is unavoidable, this will					۸
		be kept to the minimum in width and length. Temporary river					
		crossings will be supported on stilts above the river bed;					
		• Stockpiling of construction materials, if necessary, will be					
		properly covered and located away from nearby water					۸
		bodies;					
		· Construction debris and spoil will be covered and/or					
		properly disposed of as soon as possible to avoid being					۸
		washed into nearby water bodies;					
		Construction effluent, site run-off and sewage will be					
		properly collected and/or treated. Wastewater from any					
		construction site will be minimised via the following in					۸
		descending order: reuse, recycling and treatment;					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		Proper locations for discharge outlets of wastewater					
		treatment facilities well away from sensitive receivers will be					٨
		identified (i.e. treated wastewater will not be discharged into					
		LMC Meander, natural streams, marsh, reedbed, active or					
		abandoned fish ponds);					
		Adequate lateral support will be erected where necessary					
		in order to prevent soil/mud from slipping into the Ecological					۸
		Area or LMC Meander;					
		Site boundary will be clearly marked and any works beyond					
		the boundary strictly prohibited;					۸
		Regular water monitoring and site audit will be carried out					
		at adequate points along LMC Meander, and at the outfalls					۸
		of the natural streams around LMC Loop. If the monitoring					
		and audit results show that pollution occurs, adequate					
		measures including temporarily cessation of works will be					
		considered.					
S12.7	E3-	Pollutant Runoff to Downstream areas from Accidental Spillage	Minimize indirect impact	Contractor/	Area within	Construction	٨
	DP1/D	Prepare an emergency contingency plan The plan will	from pollutant runoff to	Operator	project site near	phase and	
	P2/DP3	include, but not be limited to, the following:	downstream areas from		streams	operation phase	
		- Potential emergency situations;	accidental spillage				
		- Chemicals or hazardous materials used on-site (and					
		their location);					
		- Emergency response team;					
		- Emergency response procedures;					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		- List of emergency telephone hotlines;					
		- Locations and types of emergency response					
		equipment;					
		- Training plan and testing for effectiveness.					
S12.7	E4-	Use opaque, non-transparent, non-reflective noise barriers	Minimize the mortality	Developer /	Area within	Detailed design,	٨
	DP1/D	for all developments associated with the Project.	impacts on birds	Detailed	project site	construction and	
	P2/DP3	Design of buildings should not incorporate use of night-time		design		operation	٨
		lighting at or near top of buildings, highly reflective materials		consultant/		phases	
		should not be used where vegetation is adjacent and glass		contractor/			
		surfaces should not be angled upwards in a way that		operator			
		reflects the sky. Unnecessary lighting should be eliminated.					
		Appropriate glass and façade treatments should be used					
		where required to minimise impact. Unnecessary lighting					
		should be avoided.					
		These include the following:					
		• Fritting, or the placement of ceramic lines or dots on glass,					٨
		has little effect on the human-perceived transparency of the					
		window but creates a visual barrier to birds outside. This					
		treatment also has the advantage of reducing air					
		conditioning loads by lowering heat gain, while still allowing					
		light transmission for interior spaces. It is most successful					
		when the frits are applied on the outside surface. Frosted					
		glass has similar effects.					
		Angled glass may be used only for smaller panes in					۸

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		buildings with a limited amount of glass.					
		The use of glass that reflects UV light (primarily visible to					۸
		birds, but not to humans) acts to reduce collision.					
		• Film and art treatment allow glass surfaces to be used a					٨
		medium of expression, often related to the nature and use					
		of the building, as well indicating to birds their					
		impenetrability.					^
		Lightweight external screens can be added to windows or					
		become a façade element of larger buildings, and are					
		suitable where non-operable windows are prevalent, which					
		is often the case in modern buildings in HK.					
		In terms of reducing night-time mortality impacts, eliminating					
		unnecessary lighting is one of the easiest methods, and has the					
		added advantage of saving energy and expense. Potential					
		impacts of nocturnal avian collision with buildings should be					
		minimised by not creating sky glow from the use of night-time lighting at or near the top of buildings or other structures. In					
		addition to avoiding uplighting, light spillage should be minimised,					
		while green and blue lights should be used where possible. As far					
		as possible, lights should be controlled by motion sensors, and					
		building operations should be managed in such a way as reduce					
		or eliminate night lighting near windows. The potential advantages					
		of removing unnecessary lighting in terms of reducing the carbon					
		footprint of the LMC Loop development are obvious.					
S12.7	E5-	Minimize loss of natural vegetation along LMC Meander,	Minimize impacts on	Detailed	Construction	Detailed design,	^
	DP1/D	and suitable replacement planting with possible installation	Eurasian Otter	design	site within the	construction	
	P2/DP3	of otter holts and the provision of potential feeding area and		consultant/	project	phase	

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		spraint locations for otters in the stabilized bank subject to		Contractor			
		detailed design.					
		• No significant change to velocity of water flow, water level					۸
		or water quality.					
		No direct lighting on Meander.					۸
		• 3m high, dull green site boundary fence for all					#
		developments associated with the project.					
		Pre-construction surveys for otter holts or natal dens will be					۸
		conducted in LMC Loop before the commencement of					
		construction works. Work in the area of any otter holt found					
		to cease pending examination by experienced Ecologist. If					
		in use for breeding, works in the area will temporarily stop					
		until end of breeding activity.					
		• No construction activities within 100m of LMC Meander					۸
		between one hour prior to sunset and one hour after					
		sunrise.					۸
		Provision of compensatory reed marsh in the Ecological					
		Area in LMC Loop, including open water channels and					
		islands within the reed marsh, both of which features are					
		considered to be used by the species.					
S12.7	E8-DP2	Refer to E2 and E3	Prevent impacts on Rose	Contractor	Within project	Construction	٨
			Bitterling, small		site	phase	
			snakehead and				
			Somanniathelphus				

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
			zanklon				
S12.7	E10-	· Preserve undisturbed, semi-natural habitat conditions of	Minimize impacts on	Developer /	Within project	Detailed design,	۸
	DP1	LMC Meander and adjacent areas of LMC Loop up to	flight line corridor from	Detailed	site	construction and	
		approximately 150m in width in order to avoid disturbance	LMC Loop development	design		operation	
		to core part of flight line corridor.		consultant/		phases	
		• This area to comprise an Ecological Area largely		Contractor/			۸
		constituting reed marsh and a 50m wide buffer zone		Operator			
		densely planted with shrubs and trees. Small number of low					
		buildings (max 14mPD high, except the building height of					
		on-site STW is 15mPD high) allowed in inner 25m of this					
		area at a plot ratio of 0.1.					
		At Ha Wan Tsuen entry point for many birds to LMC Loop					۸
		area provide a wider Ecological Area to minimize					
		disturbance from nearby buildings.					
		• Further minimisation of impact by maintaining a lower					N/A
		building height in areas adjacent to the buffer zone for the					
		EA. In addition, the sewage treatment works, which is					
		located near the point where many birds cross from the					
		Meander to HHW, should not exceed 15mPD.					
S12.7	E11-	Employ site boundary fence as long as possible. Use of	Minimize disturbance	Contractor	Within project	Construction	۸
	DP1	movable barrier for more intense site formation activity.	impacts of mitigation		site	phase	
		Provision of fencing with 30cm gap between the existing	provisions				
		reed marsh and LMC Meander during the establishment					
		period of Ecological Area and the gap will be closed once					

EIA Ref.	EM&A		Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log			recommended	implement	measures	Implement the	Status
	Ref			Measures & Main	the		measures?	
				Concerns to address	measures?			
			established.					
		•	Restrict work to period from 0900h to 1700h. All major					٨
			works along the edge of LMC Meander and in the Ecological					
			Area will be conducted in the wet season.					
S12.7	E12-	•	Minimal night-time lighting	Minimize impacts on	Contractor/	All	Construction and	٨
	DP1/D	•	No direct light on Meander	LMC Meander	Operator		operation	۸
	P2/DP3						phases	
S12.7	E13-	•	Construction limited to wet season between the hours of	Minimize impacts from	Contractor/	Pond habitat	Construction and	٨
	DP2		9am and 5pm.	the construction and	Operator	along alignment	operation	
		•	Use of opaque visual/noise barriers and planting of trees	operation disturbance		(mainly Ha Wan	phases	۸
			shrubs along length of road adjacent to fish ponds.	impacts		Tsuen Road)		
		•	Compensatory habitat management elsewhere to mitigate					۸
			wetland loss.					
S12.7	E13-	•	Use of viaduct alignment to minimize wetland loss.	Minmize wetland loss	Project	Within project	Detailed design	٨
	DP3		Compensatory wetland habitat elsewhere.		Proponent /	site	and	
					Detailed		construction	
					design		phases	
					consultant /			
					Contractor /			
S12.7	E16-	•	Provision of compensatory reed marsh in the Ecological	Protect Odonata	Project	Ecological area	EA established	۸
	DP1		Area will provide habitat suitable for Common Evening		Proponent/		prior to	
			Hawker.		Detailed		construction and	۸
		•	Measures designed to protect other fauna and water quality		design		manage at all	
			will generally benefit odonata.		consultant/		phases	

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
				Contractor			
				Operator			
S12.7	E14-	· Replacement planting of native tree species relevant to	Minimize the ecological	Contractor	Woodland and	Construction	۸
	DP2	Deep Bay area and the area impacted. Planting to occur in	impacts		shrubland	phase	
		tandem with that required for woodland loss arising			habitat along Ha		
					Wan Tsuen		
					Road		
S12.7	E15-	Use noise/visual barriers to minimise disturbance.	Minimize impacts on	Contractor	Construction	Construction	۸
	DP2	Construction activities should not be carried out before	flight line corridor from		site from	phase	۸
		0900h or after 1700h in order to minimise disturbance to the	Western Connection		Western		
		flight line corridor (and to mammals).	Road		Connection		
					Road		
S12.7	E16-	Use of opaque visual/noise barriers and roadside planting	Minimize impacts on	Project	Construction	Detailed design,	۸
	DP2	of trees and shrubs to minimize disturbance impacts.	flight line corridor from	Proponent/	site from	construction and	
			Western Connection	Detailed	Western	operation	
			Road	design	Connection	phases	
				consultant/	Road		
				Contractor			
				Operator			
S12.9	EG2-	All generic mitigation measures proposed in Tables 12.82a and	Avoid, minimize and	Project	All areas.	All phases	۸
	DP3	12.82b in the EIA report.	mitigate overall	proponent /			
			ecological impact.	contractor /			
				detailed			

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
				design			
				consultant /			
				developer /			
				operator			
Fisheries	(Construc	tion Phase)		·			
S13.7	F4-	Reprovision of replacement Artificial Reefs(of the same	Mitigate water quality	Project	To be	Construction	N/A
		volume as the existing ARs inside Marine Exclusion Zone)	impacts on the existing	proponent	determined	phase or	
			ARs			operation	
						phase	
S11.7	F2	Reduce re-suspension of sediments	Minimise marine water	Contractor	Seawall	During	N/A
		Limit dredging and works fronts.	quality impacts			construction	N/A
		Good site practices					N/A
		Strict enforcement of no marine dumping					N/A
		Spill response plan					N/A
S13.7	F4-DP3	During the construction phase, a layer of sheet pile wall will be	Bund stability	Contractor	Fish ponds	Construction	N/A
		erected along the site boundary adjacent to fish ponds after commencement of site works. The sheet pile wall will be				phase	
		constructed by silent piling method (Press-in method) which					
		induces minimal vibration. Therefore the stability of the fish pond					
		bund will not be influenced by the construction of the sheet pile					
		wall, subsequent construction works and the loading from the					
		road during operational phase. In addition, the sheet pile wall will have grouting or a grout curtain to avoid water seenage from the					
		impacts are not anticipated.					
		have grouting or a grout curtain to avoid water seepage from the fish pond to the excavation area. With these measures, significant					

EIA Ref.	EM&A	Recommended Mitigation Measures Objectives of the Who to		Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
S13.7	F5-DP3	Temporary traffic arrangements will be instigated to maintain or	Prevent Blockage of	Contractor	Fish ponds	Construction	٨
		provide alternative access to fish ponds during construction phase.	Access Roads to Fish			phase	
			Ponds				
S13.7	F6-DP3	Standard mitigation measures to control site runoff and other	Avoid water quality	Contractor	Fish ponds	Construction	٨
		pollutants caused by construction activities and good site practices will be implemented during the construction phase of the	impact			phase	
		Project. Excavated material and other inert construction wastes					
		produced will be transferred to proper recipients (i.e. landfill) (see					
		Waste Management Section). Sewage from the proposed					
		development will be dealt with via a sewerage system and will not be discharged directly to surrounding water bodies.					
S13.7	F7-DP3	Dust Minimization	Dust minimization	Contractor	Fish ponds	Construction	٨
		During all excavation works, good site practice should				phase	
		be adopted to minimize impacts on fisheries. The below site					
		practices should be adopted during this time.					
		Any excavated or stockpile of dusty material should be					
		covered entirely by impervious sheeting or sprayed with					
		water to maintain the entire surface wet and then removed					
		or backfilled or reinstated where practicable within 24 hours					
		of the excavation or unloading;					
		Any dusty materials remaining after a stockpile is					
		removed should be wetted with water and cleared from the					
		surface of roads;					
		 Exposed earth should be properly treated by 					
		compaction, turfing, hydroseeding, vegetation planting or					
		sealing with latex, vinyl, bitumen, shortcrete or other					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		suitable surface stabiliser within six months after the last					
		construction activity on the construction site or part of the					
		construction site where the exposed earth lies;					
		Excavation profiles must be properly designed and					
		executed with attention to the relevant requirements for					
		environment, health and safety;					
		 In case the soil to be excavated is situated beneath the 					
		groundwater table, it may be necessary to lower the					
		groundwater table by installing well points or similar means;					
		 Supply of suitable clean backfill material after 					
		excavation, if required;					
		 Vehicles containing any excavated materials should be 					
		suitably covered to limit potential dust emissions or					
		contaminated run-off, and truck bodies and tailgates should					
		be sealed to prevent any discharge during transport or					
		during wet season;					
		Speed control for the trucks carrying contaminated					
		materials should be enforced; and					
		 Vehicle wheel washing facilities at the site's exit points 					
		should be established and used.					
S13.7	F8-DP3	Contingency plan	Deal with any accidental	Contractor /	Fish ponds	Construction and	۸
		The contractor should prepare an emergency contingency plan for	spillage event	Operator		operational	
		actions to be taken if significant impacts, such as accidental spillage of chemicals, water seepage from fish ponds, damaged/				phases	
		destabilized pond bunds, pond water contamination by site runoff,					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		 on fish ponds occur. The contractor should submit the emergency contingency plan dealing with, but not limited to, the aforementioned potential impacts to the engineer for review, comment and approval. The fish pond operators will also be consulted for the details of the contingency plan, which will also be submitted to AFCD for review and comment. The plan should include, but not limited to, the following: Potential emergency situations; Chemicals or hazardous materials used on-site (and their location); Emergency response team; List of emergency telephone hotlines; Locations and types of emergency response equipment; Training plan and testing for effectiveness. 					
Food Safe	ety (Constr	uction Phase)					
S15	F1-DP3	<u>Contingency</u> plan The contractor should have effective communication with Food and Environmental Hygiene Department (FEHD) / Centre of Food Safety (CFS), on food surveillance and food incidents. Food Surveillance Programme (http://www.cfs.gov.hk/english/programme/programme_fs/progra mme_fs.html). is undertaken by CFS to inspect food safety in Hong Kong, with a three-tier surveillance strategy (consisting of routine food surveillance, targeted food surveillance and seasonal food surveillance). Under this programme, aquatic products	Minimize significant impacts on fish ponds	Contractor	Fish pond within project site	Construction phase	N/A

(including pond fish) at import, wholesale and retail levels are

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		sampled for microbiological (i.e. bacteria and viruses), chemical (i.e. natural toxins, food additives and contaminants) and radiation testings. All food safety surveillance results of by a monthly "Food Safety Report" in press releases and also presented in CFS website. If pond fish samples do not comply with food safety standards and they are verified to be from fish ponds of concerned under this study through "food tracing", fish selling shall be stopped as instructed by CFS.					
S15	F2-DP3	 Dust Minimization During all excavation works, good site practice should be adopted to minimize the release of TSP, impact of land contamination and the associated food safety implications. The below site practices should be adopted during excavation works. Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; Exposed earth should be properly treated by compaction, 	Dust minimization	Contractor	Fish pond within project site	Construction phase	Α
		turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction					

EIA Ref.	EM&A	Recommended Mitigation Measures	Objectives of the	Who to	Location of the	When to	Implementation
	Log		recommended	implement	measures	Implement the	Status
	Ref		Measures & Main	the		measures?	
			Concerns to address	measures?			
		activity on the construction site or part of the construction					
		site where the exposed earth lies;					
		Excavation profiles must be properly designed and					
		executed with attention to the relevant requirements for					
		environment, health and safety;					
		· In case the soil to be excavated is situated beneath the					
		groundwater table, it may be necessary to lower the					
		groundwater table by installing well points or similar means;					
		Supply of suitable clean backfill material after excavation, if					
		required;					
		· Vehicles containing any excavated materials should be					
		suitably covered to limit potential dust emissions or					
		contaminated run-off, and truck bodies and tailgates should					
		be sealed to prevent any discharge during transport or					
		during wet season;					
		Speed control for the trucks carrying contaminated					
		materials should be enforced; and					
		· Vehicle wheel washing facilities at the site's exit points					
		should be established and used.					

Remarks: ^ Compliance of mitigation measure

* Recommendation was made during site audit but improved/rectified by the contractor

Recommendation was made during site audit but not yet improved/rectified by the contractor.

N/A Not Applicable at this stage as no such site activities were conducted in the reporting period (e.g. concrete batching plan, barging point, seawall dredging and filling, bored piling, landscaping works etc)

Contract No. YL/2020/01 - Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 Proactive Environmental Protection Proforma

Working Period: 1st to 30th June 2023

Ref	Location/	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
	Working	major impacts		
	Period			
EIA	All site	Dust impact	• Any excavated or stockpile of dusty material should be covered entirely	
			by impervious sheeting or sprayed with water to maintain the entire surface	and the second second
S3.8	area		wet and then removed or backfilled or reinstated where practicable within	
			 24 hours of the excavation or unloading; Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; 	

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 Proactive Environmental Protection Proforma

Working Period: 1st to 30th June 2023

Ref	Loca Worł	king	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
	Perio	d			
EIA	All	site	Dust impact	 A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones; 	
S3.8	area			• The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;	

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
EIA	All site	Dust impact	• The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials;	
S3.8	area		som of a venice entrance of exit should be kept clear of dusty matchais,	S COMPANY
				CORRECT TO
			• Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides;	

	 Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores. 	
--	--	--

Ref	Location/	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
	Working Period			
EIA S4.8	All site area	Noise impact	 Mobile plant should be sited as far away from NSRs as possible and practicable; All generator used onsite are Quality Powered Mechanical Equipment (QPME) registered with EPD. 	
			 Install movable noise barriers and full enclosure, screen the noisy plants including air compressor and generator. 	

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
EIA	All site area		• Update and implementation of Stormwater Pollution Control Plan.	Temporary Drainage Arrangement Plan for The Loop and Meander Bridge
\$5.7		Control		Since of 300 U-Channel 225 U-Channel 450 U-Channel 450 U-Channel Water Hose with Pump 500 U-Channel 450 U-Channel 450 U-Channel Water Hose with Pump 500 U-Channel 500 U-Channel
			• At the start of site establishment, perimeter cut-off drains to direct off- site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities. The design of the temporary on-site	

П

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
			drainage system will be undertaken by the contractor prior to the	
			commencement of construction.	
			• Diversion of natural stormwater should be provided as far as possible.	
			The design of temporary on-site drainage should prevent runoff going	
			through site surface, construction machinery and equipments in order to	
			avoid or minimize polluted runoff.	
			Sedimentation tanks with sufficient capacity, constructed from pre-	
			formed individual cells of approximately 6 to 8 m3 capacities, are	
			recommended as a general mitigation measure which can be used for	
			settling surface runoff prior to disposal. The system capacity shall be	
			flexible and able to handle multiple inputs from a variety of sources and	
			suited to applications where the influent is pumped.	

П

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
			• The design of efficient silt removal facilities should be based on the	
			guidelines in Appendix A1 of ProPECC PN 1/94. The detailed design of	
			the sand/silt traps should be undertaken by the contractor prior to the	
			commencement of construction.	
			All drainage facilities and erosion and sediment control structures should	
			be regularly inspected and maintained to ensure proper and efficient	
			operation at all times and particularly following rainstorms.	
			• Portable chemical toilets and sewage holding tanks should be provided	
			for handling the construction sewage generated by the workforce. A	Sont of the
			licensed contractor should be employed to provide appropriate and	
			adequate portable toilets to cater 0.15m3/day/employed populations and	
			be responsible for appropriate disposal and maintenance.	5 1/2

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
			• Notices should be posted at conspicuous locations to remind the workers	心想探查
			not to discharge any sewage or wastewater into the nearby environment	
			during the construction phase of the Project. Regular environmental audit	及堆放 強生 以 的原目 #短点電話來起即時件 #明道書本
			on the construction site should be conducted in order to provide an	Do not discharge any sewage
			effective control of any malpractices and achieve continual improvement	or wastewater into the nearby environment
			of environmental performance on site.	EEHD

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
EIA	All site area	Waste Generation	• Segregate and store different types of waste in different containers, skip	
S7.6			or stockpiles to enhance reuse or recycling of materials and their proper	
			disposal;	
			• Proper storage and site practices to minimize the potential for damage	
			and contamination of construction materials;	

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
			 Provide training to workers on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling. 	

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
			• Prepare Waste Management Plan and submit to the Engineer for approval	Extended Extended
			• Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling	<text><text></text></text>

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
			• General refuse should be stored in enclosed bins separately from construction and chemical wastes. Recycling bins should also be placed to encourage recycling.	

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
			• If chemical wastes are produced at the construction site, the Contractors	
			should register with EPD as chemical waste producers. Chemical wastes	
			should be stored in appropriate containers and collected by a licensed	
			chemical waste contractor. Chemical wastes (e.g. spent lubricant oil)	
			should be recycled at an appropriate facility as far as possible, while the	化學廢物 CHEMICAL WASTE
			chemical waste that cannot be recycled should be disposed of at either the	
			Chemical Waste Treatment Centre, or another licensed facility, in	
			accordance with the Waste Disposal (Chemical Waste) (General)	
			Regulation.	

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
EIA	Constructi on site	Ecology	Installing 3m high olive-green fence around construction areas to allow	A.A.
12.7	within the		or deter different animal passages where appropriate;	
EP	project			
2.7				
	Pond habitat along alignment (mainly Ha Wan Tsuen Road)		Carrying out outside dry-season (from November to February next year), the construction works associated with the site formation in the Ecological Area, stabilization of the bank of the old Shenzhen River meander, Western Connection Road along Ha Wan Tsuen Road, to minimise disturbances to migratory birds/water birds;	

Ref	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
	Old Shenzhen River meander and other identified important ecological ly sensitive areas,		Using powered mechanical equipment for construction works only during the period 9am to 5pm at and near the old Shenzhen River meander and other identified important ecologically sensitive areas, if any;	

Contract No. YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

Ref*	Location/W orking Period	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
EIA S3.8	All site area		• Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;	
			• Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;	

Location/

Ref*

Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1

Recommended Mitigation Measures

Proactive Environmental Protection Proforma

Anticipated

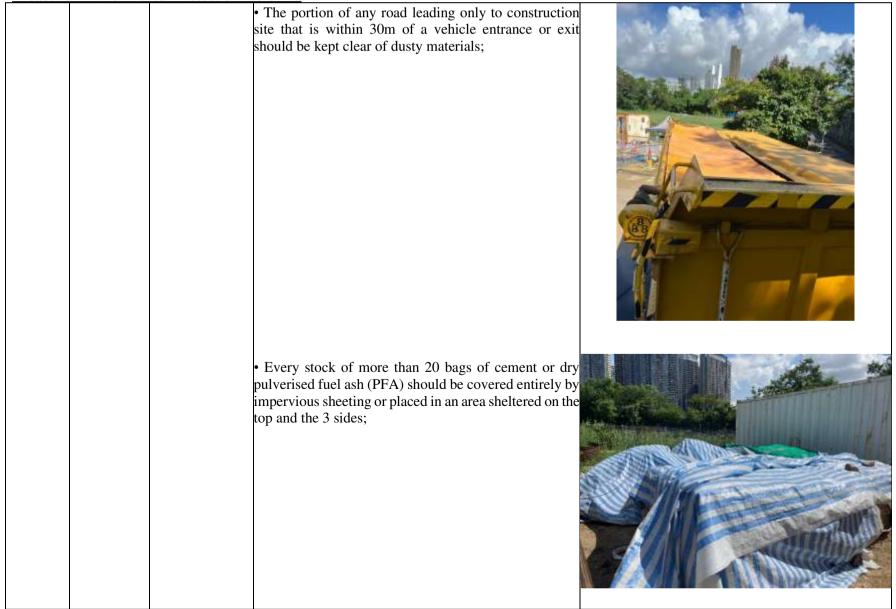
Working Period	Major Impacts		
All site area	Dust impact	• A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones;	
		• The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;	

Working Period: 1st to 30th Jun 2023

Photo Records (Partial)

Contract No. YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1

Proactive Environmental Protection Proforma



Contract No. YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1

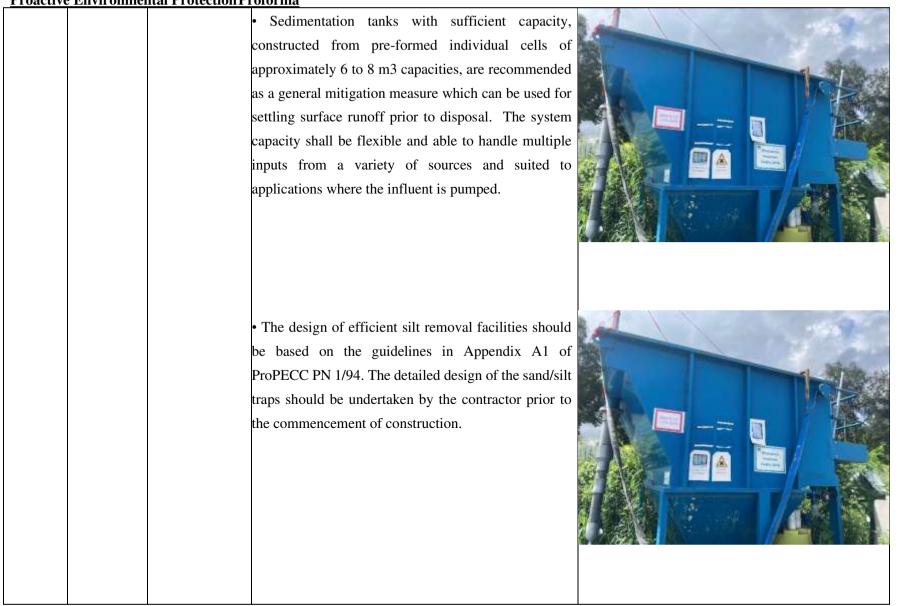
Proactive Environmental Protection Proforma



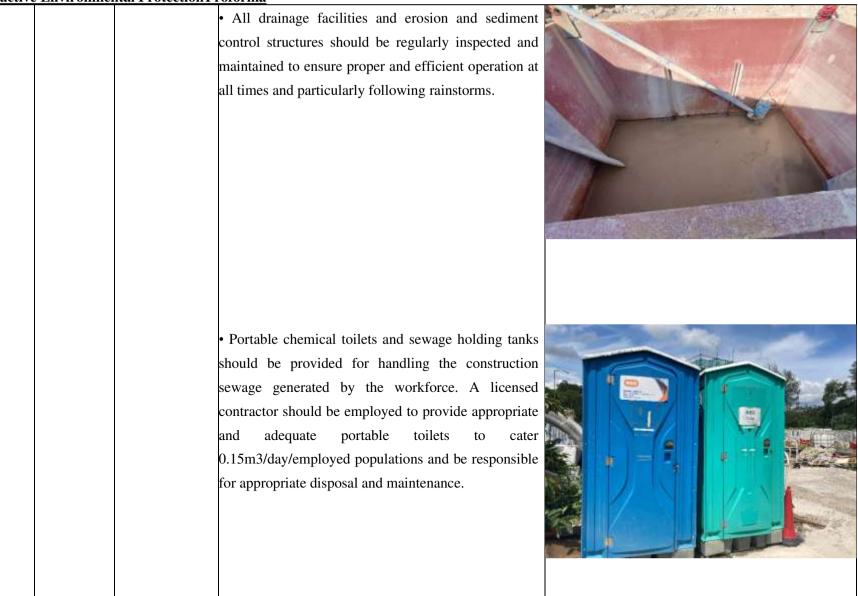
Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1 Proactive Environmental Destaction Desformer

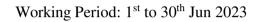
Ref*	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
EIA	All site	Noise impact	• Mobile plant should be sited as far away from NSRs as possible and practicable;	and the second s
S4.8	area			
			• Install movable noise barriers and full enclosure, screen the noisy plants including air compressor and generator.	

1104011				
EIA	All site area		• At the start of site establishment, perimeter cut-off	
S5.7		Control	drains to direct off-site water around the site should be	
			constructed with internal drainage works and erosion	
			and sedimentation control facilities implemented.	
			Channels (both temporary and permanent drainage	
			pipes and culverts), earth bunds or sand bag barriers	
			should be provided on site to direct stormwater to silt	
			removal facilities. The design of the temporary on-site	
			drainage system will be undertaken by the contractor	
			prior to the commencement of construction.	
			• Diversion of natural stormwater should be provided as far as possible. The design of temporary on-site drainage should prevent runoff going through site surface, construction machinery and equipment in order to avoid or minimize polluted runoff.	



Contract No. YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1 Proactive Environmental Protection Proforma





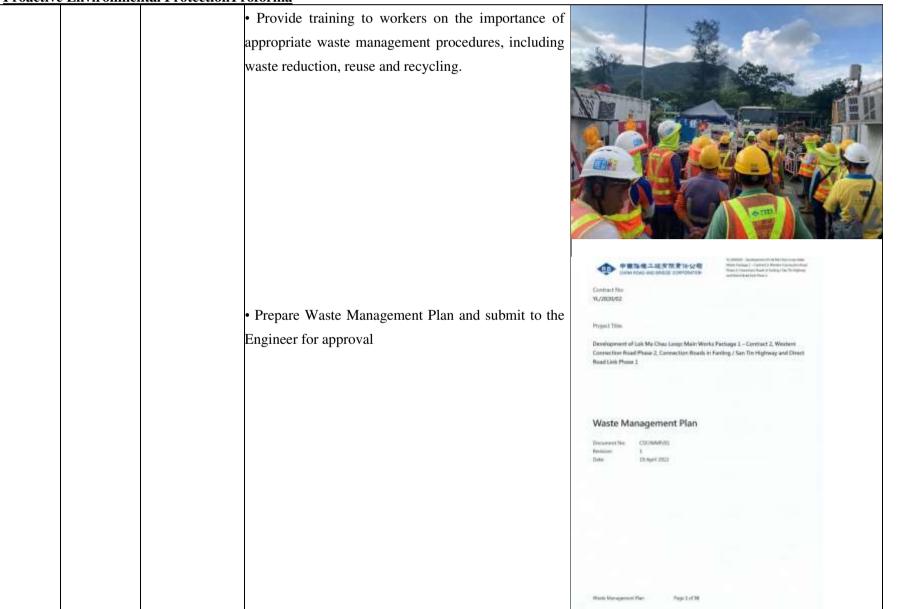
IToucont		
	• Notices should be posted at conspicuous locations to	
	remind the workers not to discharge any sewage o	
	wastewater into the nearby environment during th	
	construction phase of the Project. Regula	
	environmental audit on the construction site should b	
	conducted in order to provide an effective control o	f Rhittiga
	any malpractices and achieve continual improvement	
	of environmental performance on site.	Alter States

Contract No. YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1 Proactive Environmental Protection Proforma

Ref*	Location/	Anticipated	Recommended Mitigation Measures	Photo Records (Partial)
	Working	Major Impacts		
	Period			
EIA	All site area	Waste	• Segregate and store different types of waste in	
S7.6			different containers, skip or stockpiles to enhance reuse or recycling of materials and their proper disposal;	
			• Proper storage and site practices to minimize the potential for damage and contamination of construction materials;	

Contract No. YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1

Proactive Environmental Protection Proforma

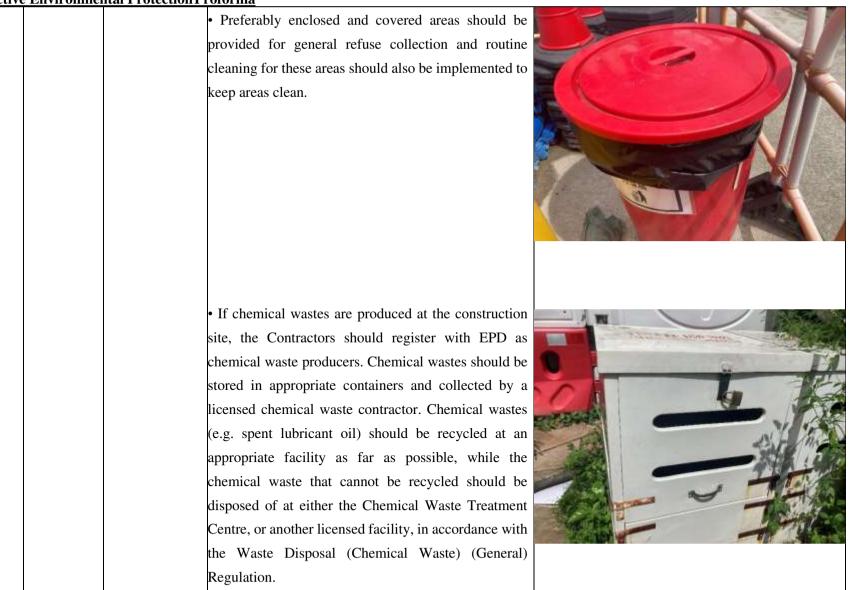


Contract No. YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1

Proactive Environmental Protection Proforma



Contract No. YL/2020/02 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1 Proactive Environmental Protection Proforma



Contract No. YL/2020/02

Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling/ San Tin Highway and Direct Road Link Phase 1

Proactive Environmental Protection Proforma

Ref*	Location/ Working Period	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
EIA S12.7	All site area		• Use opaque, non-transparent, non-reflective noise barriers for all developments associated with the Project.	
			• On-site compensate the same area of the occupied reedbed	

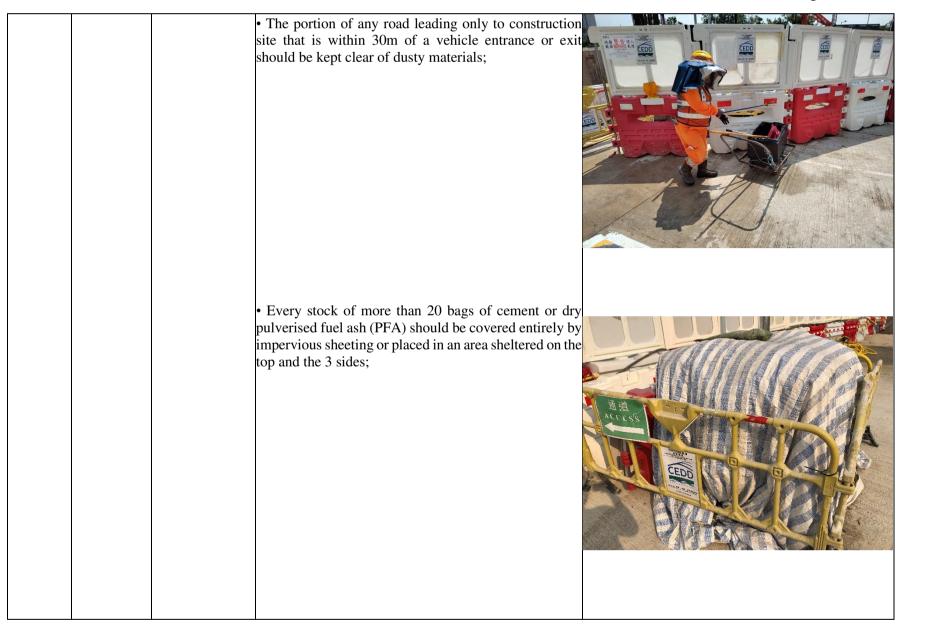
Contract No. YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2

Ref*	Location/ Working Period	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
EIA S3.8	All site area	Dust impact	• Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;	
			• Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;	

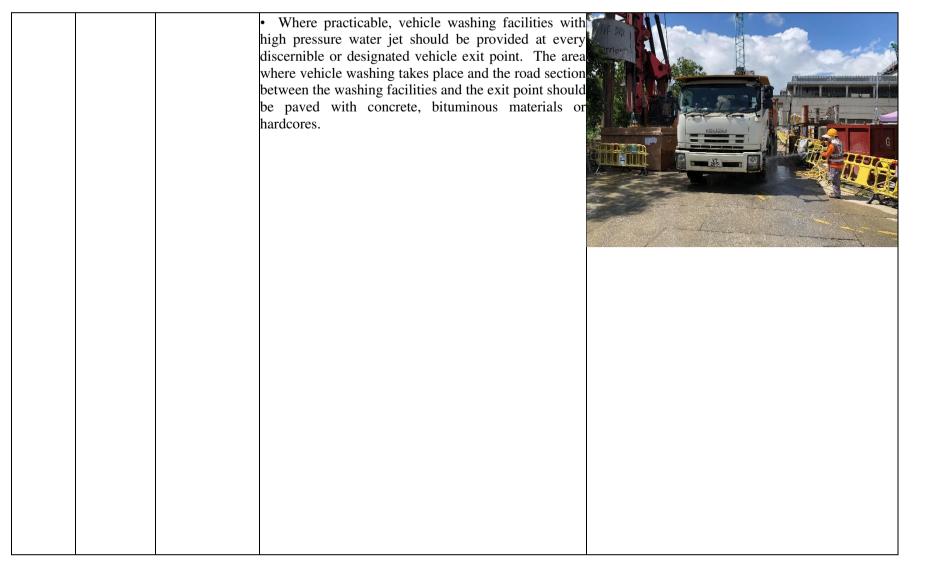
Contract No. YL/2021/01 – Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2 <u>Proactive Environmental Protection Proforma</u>

Ref*	Location/ Working	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
	Period			
EIA	All site	Dust impact	• A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones;	
S3.8	area		beyond the pedestrian barriers, reneing of trarrie cones;	
			• The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;	

Contract No. YL/2021/01 – Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2 Proactive Environmental Protection Proforma



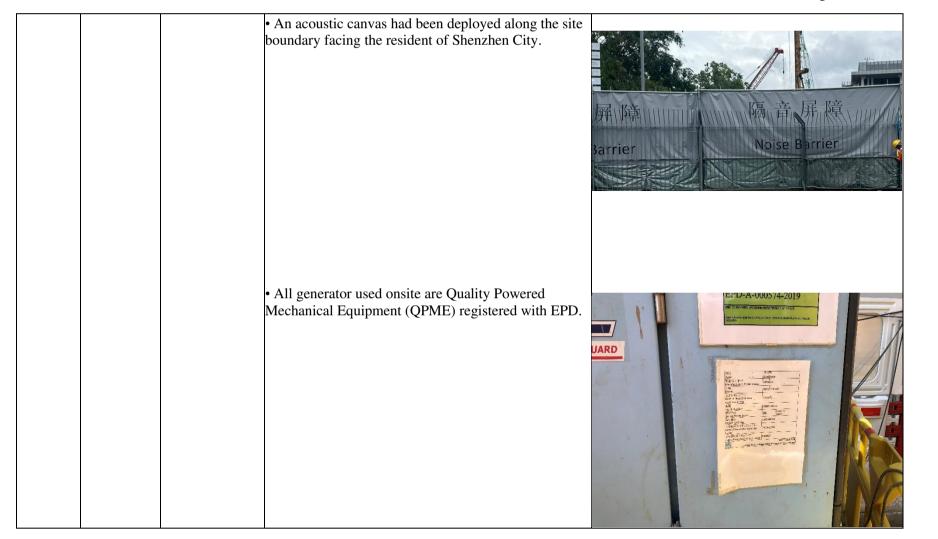
Contract No. YL/2021/01 – Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2 Proactive Environmental Protection Proforma



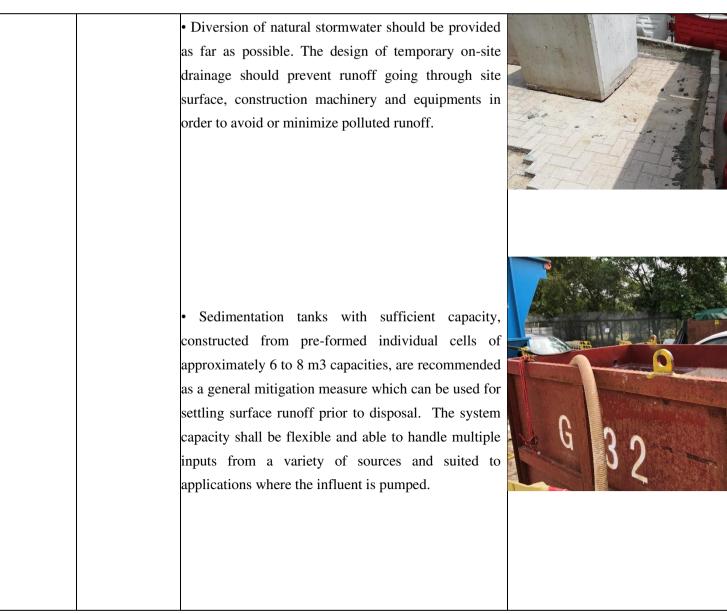
Contract No. YL/2021/01 – Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2 <u>Proactive Environmental Protection Proforma</u>

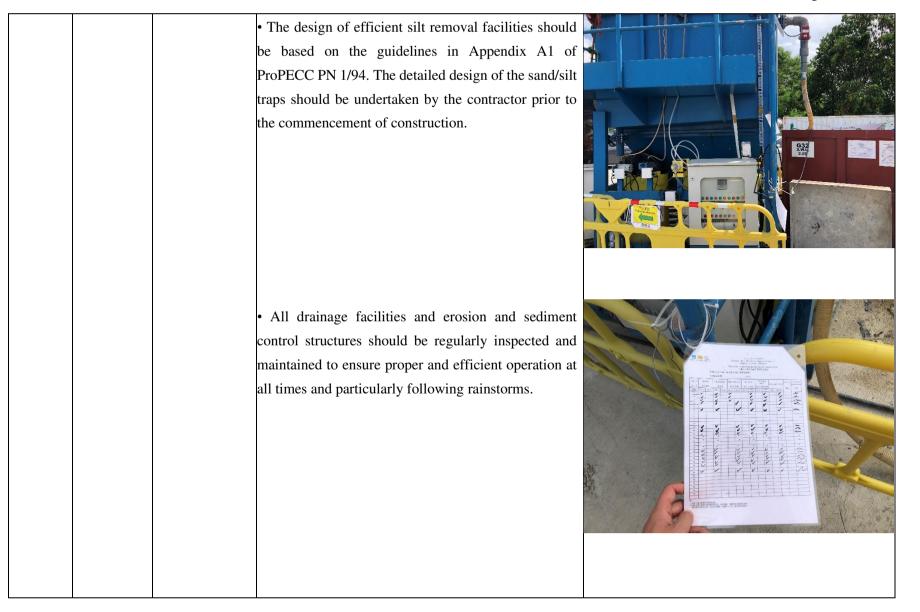
Ref*	Location/ Working Period	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
			• Mobile plant should be sited as far away from NSRs	
EIA	All site	Noise impact	as possible and practicable;	
S4.8	area		• Install movable noise barriers and full enclosure,	永 248888812 94894077 0099
			screen the noisy plants including air compressor and generator.	

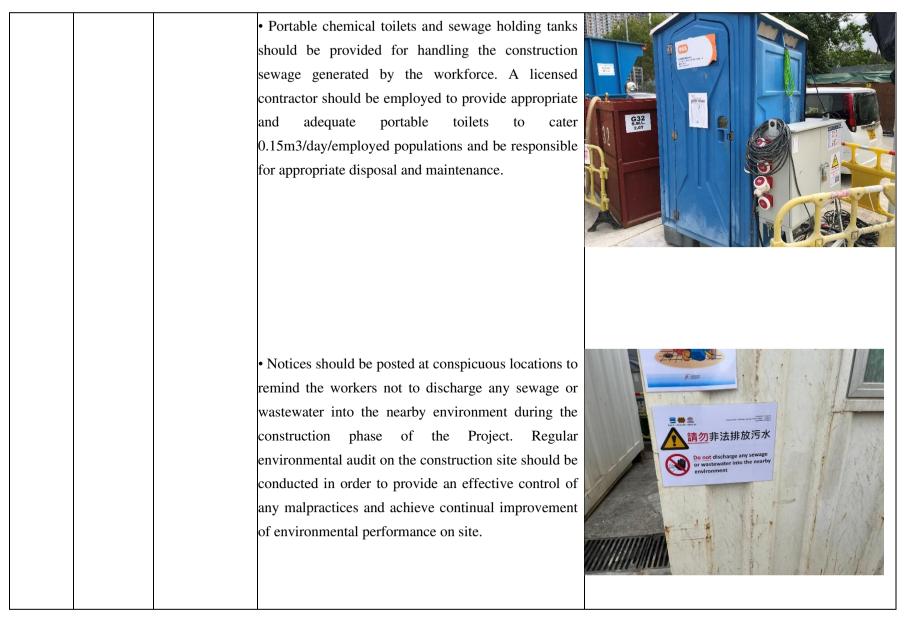
Contract No. YL/2021/01 – Contract No.: YL/2021/01 Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2 Proactive Environmental Protection Proforma

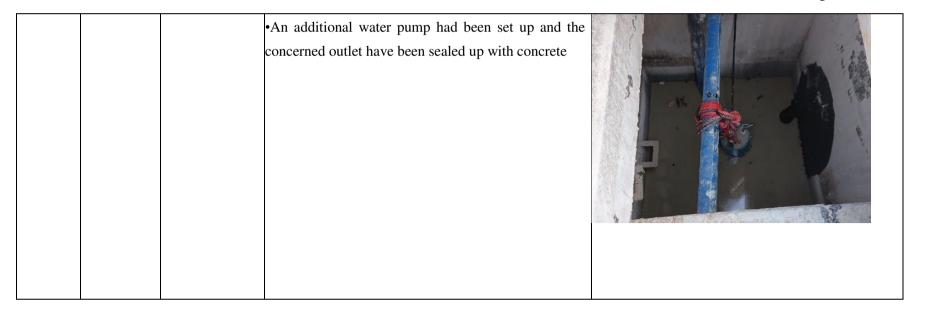


EIA	All site area		• Update and implementation of Stormwater Pollution	
\$5.7		Control	Control Plan.	CONTRACTOR'S SUBMISSION FORM To i Arestellan Min. Regin Min. (Pariati Allemaner): Addressed) Submission Ref. No*, i: CSYST/CODDBA Action Ref. No*, i: CSYST/CDDDBA Action Ref. No*, i: CSYST/CDDBA Action Ref. No*, i: CSYST/CDDBA Action Ref. No*, i: CSY
				Attachments : Purpose of Submittion 1 For Information 1 For Approval F4 For Comment
			• At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion	
			and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction.	



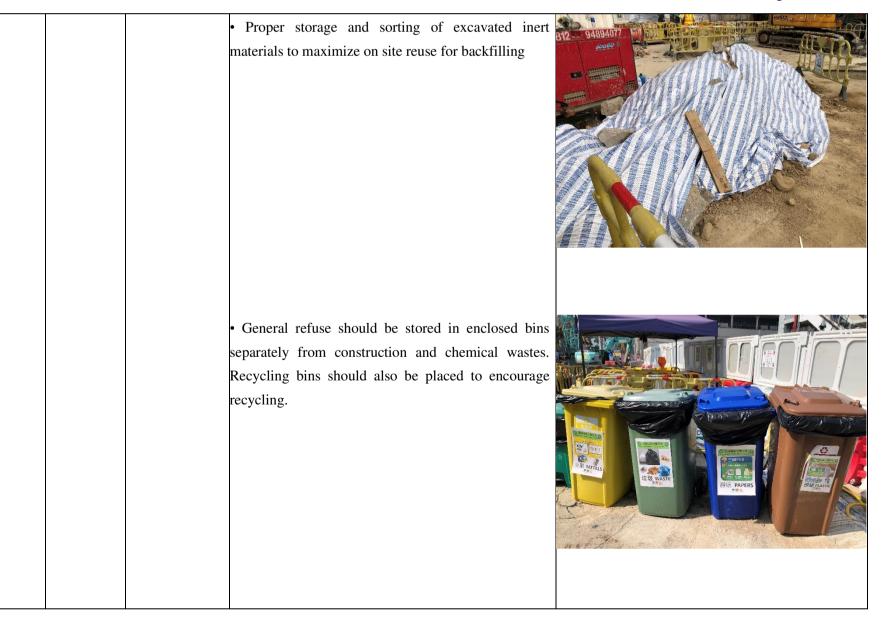


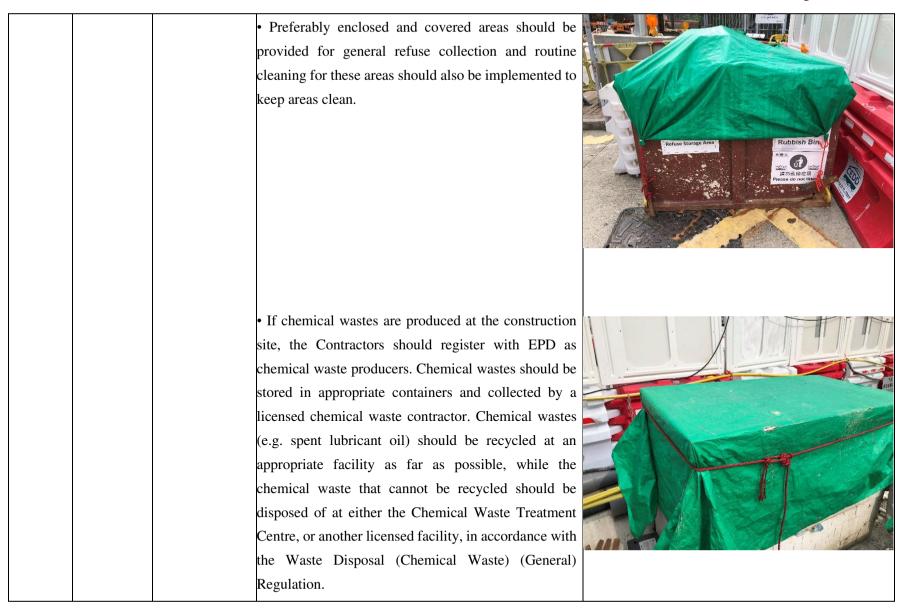




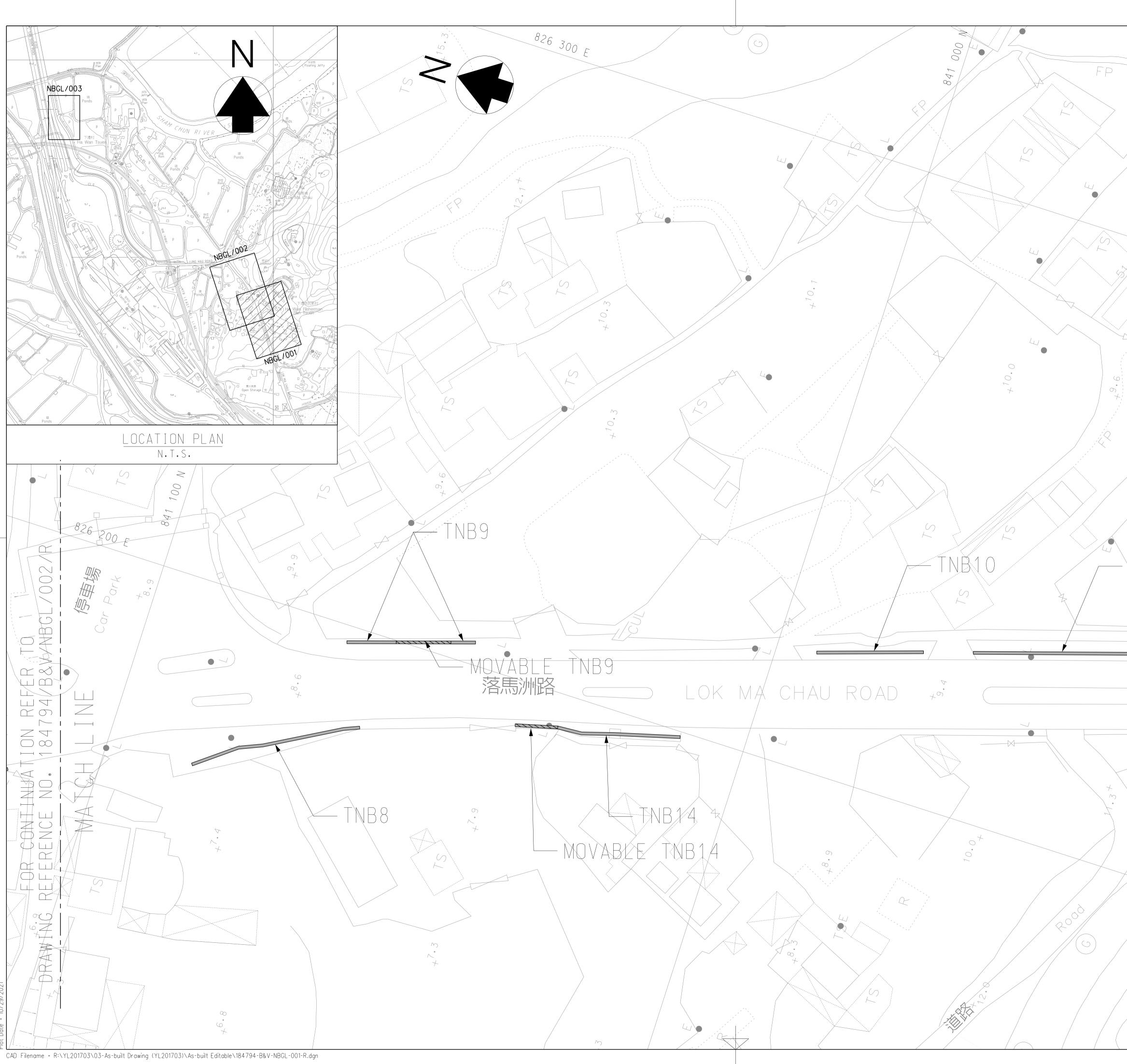
Ref*	Location/ Working	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
	Period			
EIA	All site area	Waste Generation	• Segregate and store different types of waste in different containers, skip or stockpiles to enhance reuse	
\$7.6			or recycling of materials and their proper disposal;	
			• Proper storage and site practices to minimize the potential for damage and contamination of construction materials;	

	Provide training to workers on the importance of	Balan
	appropriate waste management procedures, including	
	waste reduction, reuse and recycling.	
	• Prepare Waste Management Plan and submit to the Contractor's submission Form	
	Engineer for approval To : AECOM Attention : Mr. Roger Man (Project Manager's delegate)	
	Submission Ref. No*, : CSF/NSE/000005D AECOM Ref. No. : - Date of Submission : 15 August 2022 Title of Submission : Waste Management Plan (Rev.D4)	
	Proposed Location of Works : - Specification/Drawing Reference: PSClause 25:20A(7) Description of Content : -	
	In response to the comments in your letter ref. C3/(YL2021/Q1)/C15/310/38000199, we would like to re-submit the Waste Management Plan (Rev.04) for your approval.	
	Attachments : Waste Management Plan Rev.4	
	Reply required by : 21 days Purpose of Submission : For Approval 4 ⁻¹ For Comment For Record For Action	
	FROM : Paul Y - Chun Wo - CRCC, Joint Venture Prepared by: Prepared by: Approved & submitted by:	
	Title Environmental Officer HSE Manager Site Agent Ula Luij Lei Wong (Deemond Tang) Signature La Marager	
	Date 15 August 2022 15 August 2022 15 August 2022	

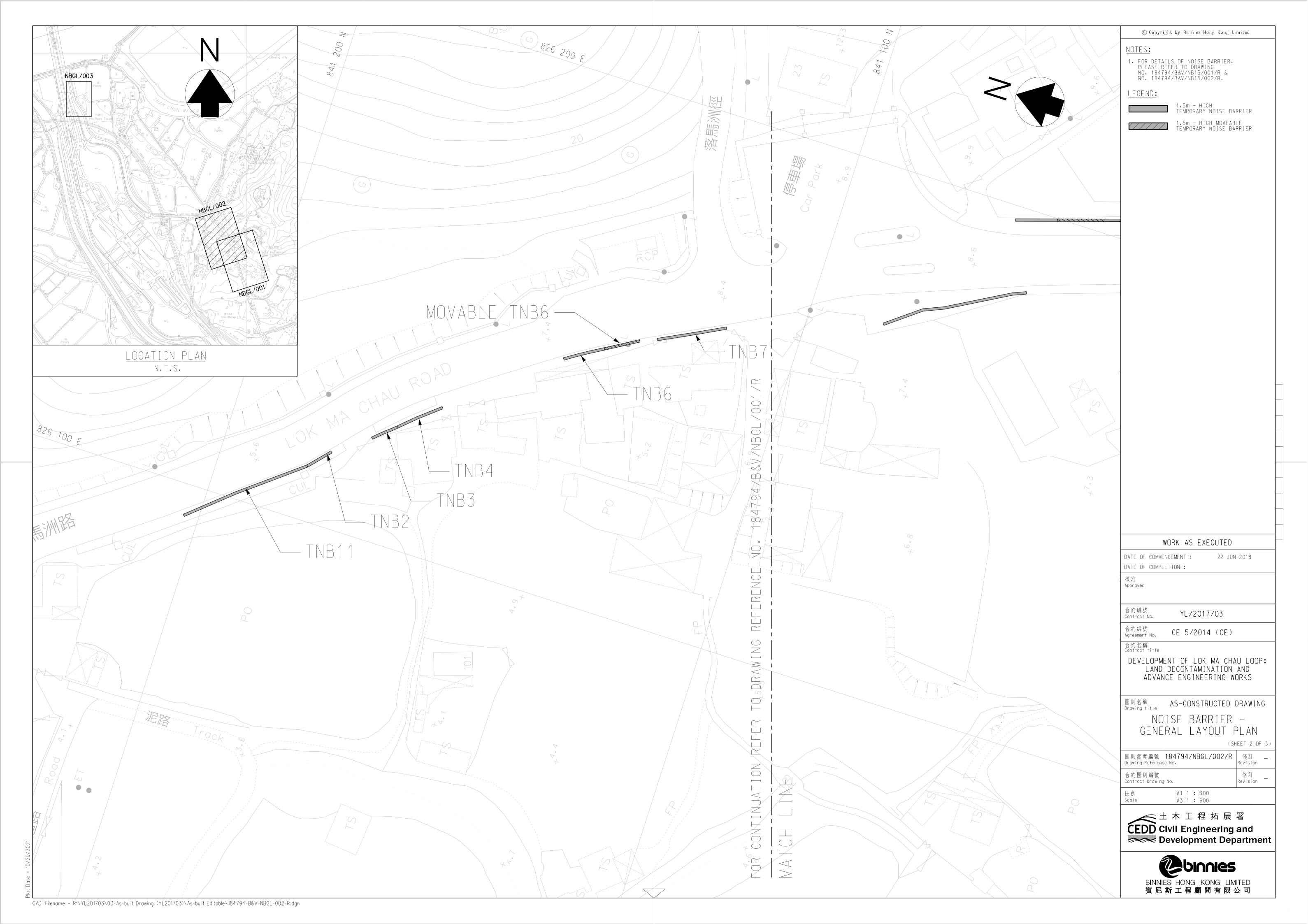


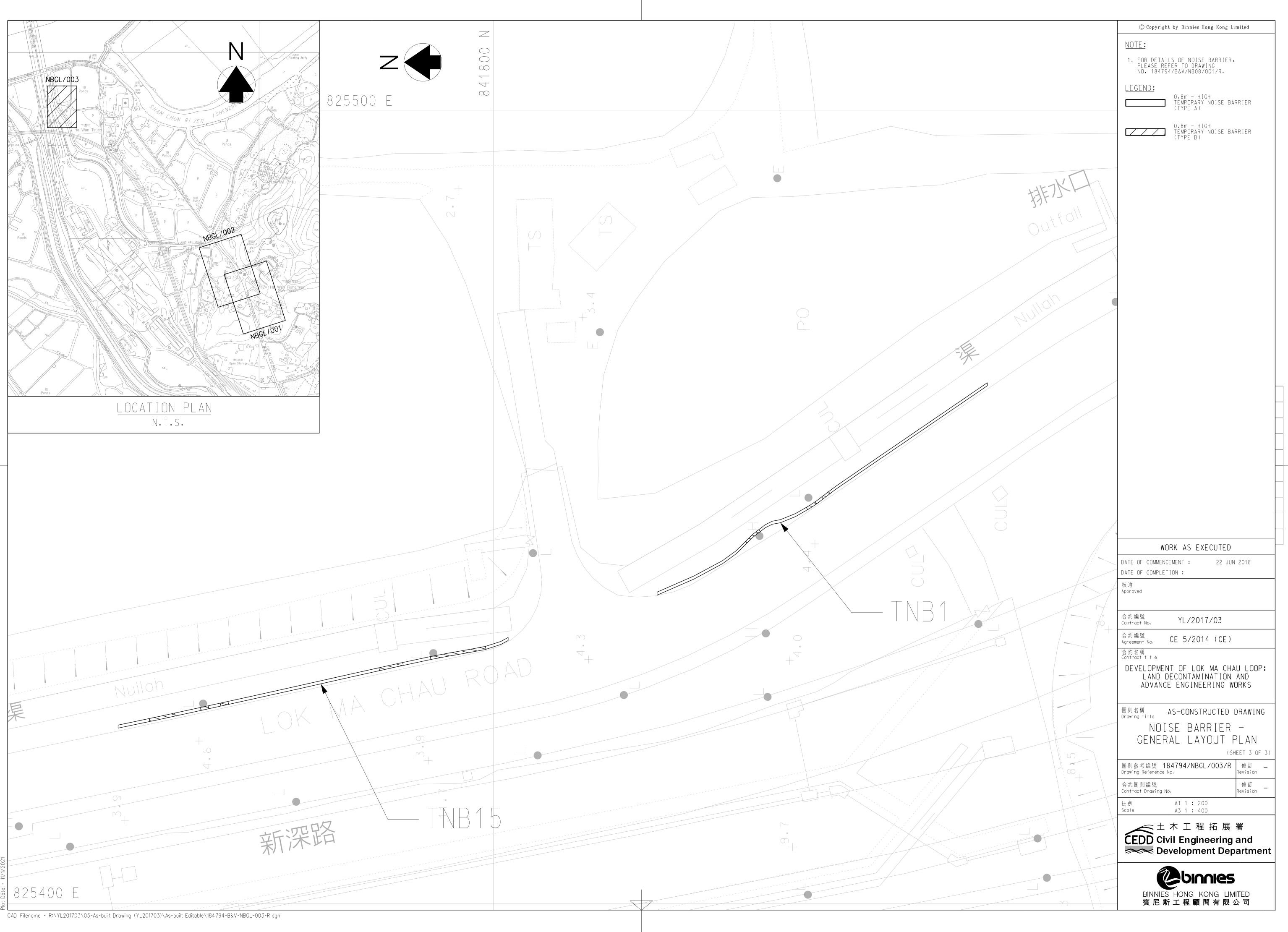


APPENDIX N TEMPORARY NOISE BARRIERS



		© Copyright by Binnies Hong Kong Limited
		NOTES: 1. FOR DETAILS OF NOISE BARRIER,
		PLEASE REFER TO DRAWING NO. 184794/B&V/NB15/001/R & NO. 184794/B&V/NB15/002/R.
		LEGEND: 1.5m - HIGH TEMPORARY NOISE BARRIER
		1.5m - HIGH MOVEABLE TEMPORARY NOISE BARRIER
15		
$\sum P \int \sum_{i=1}^{\infty} $		
	· · · · · · · · · · · · · · · · · · ·	
27		
TNB13		
m^{\star}		
0	10	
		WORK AS EXECUTED DATE OF COMMENCEMENT : 22 JUN 2018
		DATE OF COMPLETION : 核准
		Approved
		合約編號 Contract No. YL/2017/03 合約編號 CF F (2014 (CF)
		合約編號 Agreement No. CE 5/2014 (CE) 合約名稱 Contract title
		DEVELOPMENT OF LOK MA CHAU LOOP: LAND DECONTAMINATION AND ADVANCE ENGINEERING WORKS
		圖則名稱 AS-CONSTRUCTED DRAWING Drawing title NOISE BARRIER -
		GENERAL LAYOUT PLAN
	-	圖則參考編號 184794/NBGL/001/R 修訂 _ Drawing Reference No. Revision
		合約圖則編號 Contract Drawing No. 比例 A1 1 : 300
		Scale A3 1:600 ▲3 1:600
		CEDD Civil Engineering and Development Department
		BINNIES HONG KONG LIMITED
		<u> </u>





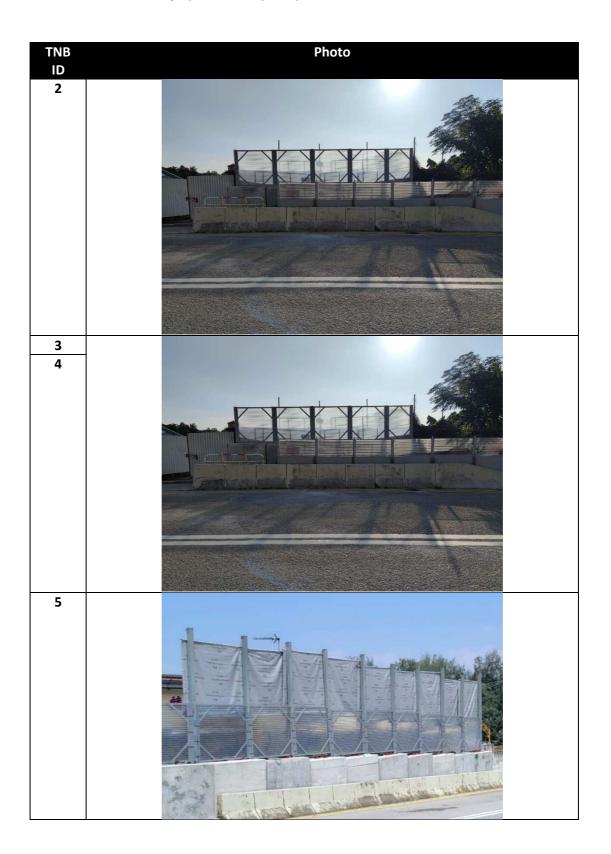
TNB ID	Photo
TNB1	
TNB2	
TNB11	19/07/2021
TNB3	
TNB4	

TNB ID	Photo
TNB6	
TNB7	
TNB8	

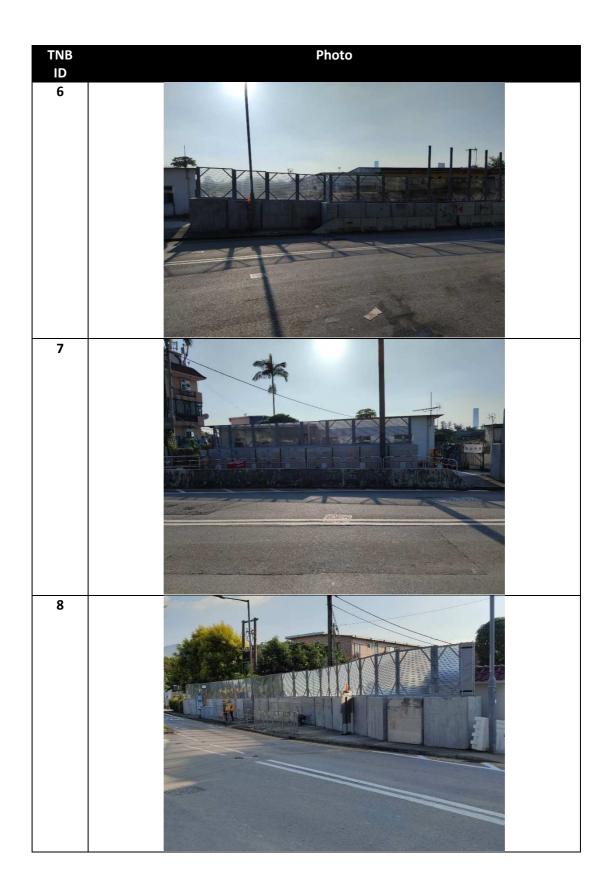
TNB ID	Photo
TNB9	
TNB10	
TNB13	

TNB ID	Photo
TNB14	TNB14
TNB15	PT/06/2020

YL/2020/02 – Western Connection Road Phase 2, Connection Roads to Fanling/San Tin Highway and Direct Road Link Phase 1

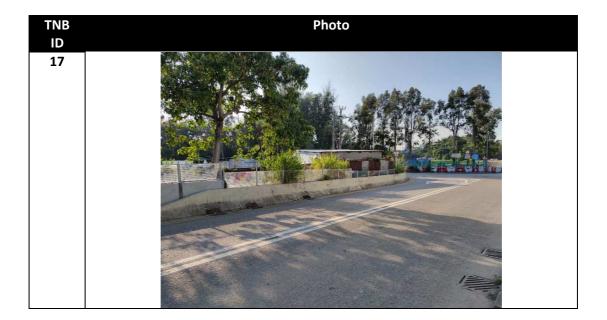


Record Photographs for Temporary Noise Barriers at Lok Ma Chau Road



TNB ID	Photo	Construction Status
9		Completed
10	<image/>	Completed
11		Completed





APPENDIX O WASTE GENERATION IN THE REPORTING MONTH Contract No. YL/2020/01 - Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1

Monthly Summary Waste Flow Table for <u>2023</u> (year)

Name of Person completing the record: Lila Lui (EO)

Development of Lok Ma Chau Loop : Main Works Package 1 - Contract 1 Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Contract No.: YL/2020/01 Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly Hard Rock Total Quantity and Large Paper/ *Reused in Reused in Disposed as Generated Plastics Chemical Others. e.a. Broken the Contract other Projects Public Fill Imported Fill cardboard Yard Waste Metals Month (a)= Waste general refuse Concrete (c) (d) (e) packaging/ (b)+(c)+(d)+(e) (b) (in '000m³) $(in '000m^3)$ (in '000 kg) (in '000kg) (in '000kg) (in '000kg) (in '000kg) (in '000m³) $(in '000m^3)$ (in '000m³) (in '000m³) (in '000m³) 0.491 0.000 Jan-23 0.000 0.000 0.000 0.491 0.919 0.000 0.067 0.000 0.000 0.018 0.000 0.715 0.000 Feb-23 0.715 0.000 0.000 0.000 0.000 0.150 1.100 0.000 0.027 Mar-23 1.129 0.000 0.000 0.000 1.129 0.000 0.012 0.132 0.016 0.000 0.000 0.032 2.910 2.910 0.012 Apr-23 0.000 0.000 0.000 0.000 0.000 0.160 0.000 0.000 0.000 Mav-23 2.590 0.000 0.000 0.000 2.590 0.412 0.007 0.133 0.010 0.000 0.000 0.220 0.000 0.000 0.831 4.051 0.000 Jun-23 0.831 0.000 0.000 0.142 0.000 0.000 0.016 8.665 8.665 Sub-total 0.000 0.000 0.000 5.382 0.019 0.784 0.026 1.100 0.000 0.324 Jul-23 Aug-23 Sep-23 Oct-23 Nov-23 Dec-23 8.665 0.000 0.000 5.382 Total 0.000 8.665 0.019 0.784 0.026 1.100 0.000 0.324

Remarks:

1.Assume the density of soil fill=2.0 tonnes/m3

2.Assume the density of rock and broken concrete=2.5 tonnes/m3

3.Assume the density of refuse = 1.5 tonnes/m3

4. The inert C&D material except slurry and bentonite are disposed at Tuen Mun 38

5. The slurry and bentonite are disposed at Tseung Kuwn O 137.

6.The non-inert C&D wastes, including general refuse are disposed at NENT

Contract No. YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1

Monthly Summary Waste Flow Table for <u>2023</u> (year)

Name of Person completing the record: <u>Calvin So (EO)</u>

Project : Development of Lok Ma Chau Loop: Main Works Package 1- Contract 2, Western Connection Road Phase 2,

	Connection Roa	ads in Fanling /	′ San Tin Highv	vay and Direct I				Contract No.: YL	/2020/02		
		Actual Quantit	ies of Inert C&	D Materials Gei	Actual Quantities of C&D Wastes Generated Monthly						
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 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 '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	$(in '000 m^3)$
Jan	0.432	0.000	0.000	0.000	0.432	0.000	0.000	0.000	0.000	0.000	0.428
Feb	0.257	0.000	0.000	0.000	0.257	0.095	0.000	0.000	0.000	0.000	0.403
Mar	1.359	0.000	0.000	0.000	1.359	0.090	0.000	0.004	0.001	0.000	0.171
Apr	0.621	0.000	0.000	0.000	0.621	0.000	0.000	0.000	0.000	0.000	0.107
May	0.864	0.000	0.000	0.000	0.864	0.000	0.000	0.012	0.000	0.000	0.330
Jun	0.828	0.000	0.000	0.000	0.828	0.000	0.002	0.055	0.018	0.000	0.076
Sub-total	4.361	0.000	0.000	0.000	4.361	0.185	0.002	0.071	0.018	0.000	1.514
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	4.361	0.000	0.000	0.000	4.361	0.185	0.002	0.071	0.036	0.000	1.514

Note:

For non-inert portion of C&D material, assume the density of 1 m³ general refuse is equal to 200 kg. 1.

For inert portion of C&D material, assume 6 m³ per each full-filled dump truck. 2.

3. All values are round off to the third decimal places.

Contract No. YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2

Monthly Summary Waste Flow Table for <u>2023</u> (year)

Name of Person completing the record: Tino Law

Development	of Lok Ma Chau Lo					Contract No.: YL/2	2021/01					
		Actual Quantit	ies of Inert C&D	Materials Gene	erated Monthly	Actual Quantities of C&D Wastes Generated Monthly						
Month	Total Quantity Generated (a)= (b)+(c)+(d)+(e)	Hard Rock and Large Broken Concrete (b)	*Reused in the Contract (c)	Reused in other Projects (d)	Disposed as Public Fill (e)	Imported Fill	Metals	Paper/ cardboard packaging/	Plastics (see Note 3)	Yard Waste	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 '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m³)
Jan-23	0.597	0.000	0.000	0.000	0.597	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb-23	0.329	0.000	0.000	0.000	0.329	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar-23	0.706	0.000	0.000	0.000	0.706	0.000	0.011	0.000	0.005	0.000	0.000	0.001
Apr-23	0.231	0.000	0.000	0.000	0.231	0.000	0.000	0.000	0.000	0.000	0.000	0.003
May-23	0.683	0.000	0.000	0.000	0.683	0.000	0.003	0.000	0.005	0.000	0.000	0.003
Jun-23	1.196	0.000	0.000	0.000	1.196	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Sub-total	3.742	0.000	0.000	0.000	3.742	0.000	0.014	0.000	0.010	0.000	0.000	0.008
Jul-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oct-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	3.742	0.000	0.000	0.000	3.742	0.000	0.014	0.000	0.010	0.000	0.000	0.008

Remarks:

1.Assume the density of soil fill=2.0 tonnes/m3

2.Assume the density of rock and broken concrete=2.5 tonnes/m3

3.Assume the density of refuse = 1.5 tonnes/m3

4. The inert C&D material except slurry and bentonite are disposed at Tuen Mun 38

5. The non-inert C&D wastes, including general refuse are disposed at NENT

APPENDIX P COMPLAINT LOGS

Appendix P - Complaint Log

Contract No. YL/2017/03 – Development of Lok Ma Chau Loop: Land Decontamination and Advance Engineering Works

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Complaint Nature	Investigation Finding	Status
1	9-Sep-19	EPD	EPD Ref: 25222-19	Water quality and air quality	Non-project related	Interim report was submitted to EPD on 23 Sep 2019
2	11-Oct-19	EPD	EPD Ref: 28550-19	Air quality	Non-project related	Interim report was submitted to EPD on 6 Nov 2019
3	30-Oct-19	EPD	EPD Ref: 30478-19	Air quality	Non-project related	Interim report was submitted to EPD 14 Nov 2019
4	10-Dec-19	1823 (CEDD)	1823 Case no: 2- 6145710343	Noise and air quality	Non-project related	Final reply to 1823 on 24 Dec 2019. IR prepared by Contractor was agreed by IEC and ET
5	5-Mar-21	1823	1823 Case no: 3- 6641544979	Air quality	Non-project related	Final reply to 1823 on 11 Mar 2021. IR prepared by Contractor was agreed by IEC and ET

Contract No. YL/2020/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 1 – Site Formation and Infrastructure Works inside Lok Ma Chau Loop and Western Connection Road Phase 1 / Contract No.: YL/2020/02 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 2 Western Connection Road Phase 2, Connection Roads to Fanling / San Tin Highway and Direct Road Link Phase 1 / Contract No.: YL/2021/01 – Development of Lok Ma Chau Loop: Main Works Package 1 – Contract 3 Direct Road Link Phase 2

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
COM-	11 October	EPD	EPD File	EPD received a public	(a) <u>Water Quality</u>	Interim report
2021-	2021		Ref.:	complaint on 11 October	Non-project related	was submitted
10-01			N07/RN/00	2021. The complainant	According to the interim report, wastewater treatment	to EPD on 29
			024120-21	alleged the following:	facilities and relevant mitigation measures were properly	Oct 2021
				(a) Discharge of muddy	implemented and there is no direct evidence to	
				water from construction sites	demonstrate the muddy discharge was inducted by the	
				of "Development of Lok Ma	Contract.	
				Chau Loop" project to		
				Shenzhen River in the		
				morning of 8 October 2021;	the earth bund with geo-textile along the site boundary,	
				and,	were implemented on 12 October 2021 in order to avoid	
				(b) Use of powered	muddy water from leaking into Shen Zhen River.	
				mechanical equipment		
				(including excavators and		
				dump trucks) in the	Project related	
				construction sites of		
				"Development of Lok Ma		
				Chau Loop" project on	on 9 October 2021. Severe rainfall was recorded due to	
				Sunday.	the adverse weather. To avoid leakage of the muddy water	
					into the meander of the Shenzhen River, JV mobilized an	
					excavator and dump truck to clear the blockage as an	
					emergency measure.	
					ET reminded the Contractor to update the site drainage	

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
					plan according to the construction programme and closely check the effectiveness of the implemented mitigation measures on site so that the EP, EIA and EM&A manual recommendation and requirements are complied with. In addition, the Contractor was also reminded to prepare a contingency plan for emergency environmental incidents.	
COM- 2021- 11-01	15 November 2021	EPD	EPD File Ref.: N06/RN/00 027302-21	EPD received a public complaint on 15 November 2021. The complainant concerned about the dust nuisance in the construction sites of "Development of Lok Ma Chau Loop" project.	 According to the interim report, dust mitigation measures have been properly implemented on site: Haul road of the main site have been paved with concrete and the speed of the vehicle has been restricted to below 8kmper hour within the construction area to minimize fugitive dust emission. Wheel washing fallibilities have been established at the location where the vehicles into the haul road in order to keep clear of any loose surface material. Mist spray and water trucks have been provided to water the paved haul road regularly and at least once per hour on exposed work site. Water spray has been provided during the handling of the fill material at the site and all the dusty loads transported to, from and between site location have been covered. Induction training and tool box talk have been provided to the site staff and workers regarding the dust suppression measure. Temporary covers have been provided to stockpile of the dusty materials and the exposed slope. 	Interim report was submitted to EPD on 25 Nov 2021

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
					Further preventive measures, establishment of the automatic water spray system along the haul road and increasing the amount of the mist spray machine to enhance the efficiency of the dust suppression measures will also be provided.	
COM- 2022- 01-01	2 January 2022	EPD	EPD File Ref.: N06/RN/00 000184-22	EPD received a public complaint by phone in Jan 2022 regarding noise from general construction work associated with the Lok Ma Chau Loop Development Project being carried out on 2.1.2022 at around 15:30 hours (i.e. within the restricted hours on Sunday).	According to the location under complaint, the work was likely carried out within the work site of "Direct Road Link to MTR Lok Ma Chau Station" and/or "Western Connection Road". Therefore, interim reports were submitted by Contract No.: YL/2020/01 and YL/2020/02 respectively:-	Interim report was submitted to EPD on 14 Feb 2022

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
					 construction works of the Contract YL/2020/01. <u>Contract No.: YL/2020/02</u> According to the site diary, no construction work was carried out during restricted hours at the location under complaint on 2 January 2022 for YL/2020/02. Nevertheless, construction team was reminded to strictly follow the requirement stated in the issued construction noise permit when construction work is required during restricted hours. Based on the above information and investigation findings, the noise complaint is not related to the construction works of the Contract YL/2020/02. 	
COM- 2022- 04-01	4 April 2022	1823	1823 Case no: 3- 715542674 8	The complainant concerned about the muddy surface runoff arising from the construction works of "Development of Lok Ma Chau Loop" project. at Lok Ma Chau Road near Ha Wan Tsuen Road.	According to the interim report, no construction works was carried out at the location of complaint which is outside the site boundary of the Project from 1st April to 4th April 2022. Appropriate water quality mitigation measures have been properly implemented on site and there is no direct evidence to demonstrate the muddy discharge was inducted by the Project. Further preventive measures, such as set up a monitoring point at the exit of the site to check the wheels of the vehicles are clean enough so that no mud and grit adhered to the wheels of the trucks when leaving the site. In addition, sprinkler truck will be only operated at appropriate location within the project site to avoid nuisance to the public road user.	Final reply to 1823 on 12 April 2022. Interim report prepared by Contractor was agreed by IEC and ET

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
COM- 2022- 08-01	1 August 2022	EPD	EPD File Ref.: N06/RN/00 015561-22	The complainant concerned about the muddy water discharged by a piling contractor "德運建築鑽探有 限公司" on 20 th July 2022	<u>Contract No.: YL/2020/01</u> 德運建築鑽探有限公司 is not related to the Contract No. YL/2020/01. After checking on site, the complaint was referred to other party.	Interim report was submitted to EPD on 18 Aug 2022
COM- 2022- 08-02	4 August 2022	EPD	EPD File Ref.: N06/RN/00 015953-22	The complainant concerned about the muddy water discharging to the public area from a construction site near Fu Tai Car Park.	<u>Contract No.: YL/2020/02</u> Joint site investigation with RSS was carried out on 5 Aug 2022 near Fu Tai Carpark. There were no construction works carried out near Fu Tai Carpark and no muddy water was noted. Preventive measures (sand bag bund) had been provided.	Interim report was submitted to EPD on 18 Aug 2022
COM- 2022- 10-01	14 October 2022	EPD	EPD File Ref.: N06/RN/00 022308-22	The complainant concerned about the noise arising from piling works carried out at 6am in the morning and around 11pm at night at the construction site adjacent to the existing Lok Ma Chau MTR Station.	Contract No.: YL/2021/01 According to the interim report, the piling works were carried out with valid construction noise permit from 08:00 to 23:00 under Contract YL/2021/01 nearby Lok Ma Chau Station. Noise control measures (e.g., permit-to- work system) have been implemented on site. Further noise mitigation measure, such as set up the acoustic canvas to enclose the engine of the used powered mechanical equipment to minimize the noise generated from works and the impact to the nearby resident.	Interim report was submitted to EPD on 17 Nov 2022
COM- 2022- 10-02	14 October 2022	EPD	EPD File Ref.: N06/RN/00 022342-22	The complainant concerned about the noise arising from piling works carried out before 7am and at around 11pm at the construction site adjacent to the existing Lok Ma Chau MTR Station.	<u>Contract No.: YL/2021/01</u> According to the interim report, the piling works were carried out with valid construction noise permit from 08:00 to 23:00 under Contract YL/2021/01 nearby Lok Ma Chau Station. Noise control measures (e.g., permit-to- work system) have been implemented on site.	Interim report was submitted to EPD on 17 Nov 2022

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
					Further noise mitigation measure, such as set up the acoustic canvas to enclose the engine of the used powered mechanical equipment to minimize the noise generated from works and the impact to the nearby resident.	
COM- 2022- 10-03	28 October 2022	EPD	EPD File Ref.: N06/RN/00 023772-22	The complainant concerned about the noise arising from percussive piling works carried out on 27 & 28 Oct 2022 in Lok Ma Chau Loop (at a work site near "落馬州 河套區創科園地盤")	<u>Contract No.: YL/2020/01</u> According to the interim report, no percussive pilling works were carried out under Contract No. YL/2020/01 inside Lok Ma Chau Loop on 27 th and 28 th October 2022 according to per Condition 2.9 (d) of EP 477/2013/A.	Interim report was submitted to EPD on 22 Nov 2022
COM- 2022- 11-01	20 November 2022	EPD	EPD File Ref.: N07/RN/00 026174-22	The complainant concerned about the noise arising from piling works carried out at around 7am to around 10pm at the construction site adjacent to the Lok Ma Chau minibus station (落馬州關口 小巴站旁地盤).	Contract No.: YL/2021/01 According to the interim report, the piling works were carried out with valid construction noise permit from 09:00 to 23:00 under Contract YL/2021/01 nearby Lok Ma Chau Station. Noise control measures (e.g., permit-to- work system) have been implemented on site. Further noise mitigation measure, such as set up the acoustic canvas to enclose the engine of the used powered mechanical equipment and along the site boundary facing the resident of Shenzhen City to minimize the noise generated from works and the impact to the nearby resident. In addition, the duration of potential noisy construction activities (e.g., core demouling and casing extraction)	Interim report was submitted to EPD on 5 Dec 2022

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
					were also minimized.	
COM- 2022- 12-01	4 December 2022	EPD	EPD File Ref.: N06/RN/00 027607-22)	The complainant alleged that: " 打樁噪音造成困 擾,情況已維持幾個星期,最 初只係星期六下午,近兩星 期日日朝早點前後就開始, 到黃昏點幾6點先至停". The complainant provided co-ordinate information (x=826305.0; y=842363.0) for reference.	Contract No.: YL/2021/01 According to the interim report, no percussive piling works were carried out since the commencement of the Contract with reference to the site diary records. Refer to the coordinate information (x=826305.0; y=842363.0) provided by the complainant, the location of concerned is not within the works area under the Contract. Based on the above information and investigation findings, the noise complaint is not related to the construction works of the Contract.	Interim report was submitted to EPD on 22 Dec 2022
COM- 2022- 12-01	8 December 2022	EPD	EPD File Ref.: N06/RN/00 028165-22)	The complainant alleged that there was percussive piling works carried out within the work site of Lok Ma Chau Loop, and commented that "落馬洲河套地盤打樁噪音 問題,到目前仍然如是". The complainant provided a video record of 7 Dec 2022 (taken at around 1500 hours) showing the suspected percussive piling work. The complainant provided co- ordinate information (x=826305.0; y=842363.0)	Contract No.: YL/2021/01According to the interim report, no percussive piling works were carried out since the commencement of the Contract with reference to the site diary records.Refer to the coordinate information (x=826305.0; y=842363.0) provided by the complainant, the location of concerned is not within the works area under the Contract.Based on the above information and investigation findings, the noise complaint is not related to the construction works of the Contract.	Interim report was submitted to EPD on 22 Dec 2022

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
COM	15 Fohmory	EPD	EPD File	for reference, and did not indicate where he/she was affected by the construction noise.	Contract No - VI /2021/01	Interim report
COM- 2023- 02-01	15 February 2023	EPD	EPD File Ref.: N06/RN/00 004267-23)	The complaint was lodged by a resident of Shenzhen City '"附上落马洲工程夜间持 续到现在还在工作的视 频,轰隆声非常影响我们 住在对面深圳居民的休 息!希望能得到改善!不 要在夜间扰民!谢谢!". Two short videos were attached in EPD's email dated 15 February 2023.	 <u>Contract No.: YL/2021/01</u> According to the interim report, piling works were carried out by the Contractor from 09:00 to 23:00 with valid construction noise permit under Contract YL/2021/01 of the Public Transport Interchange of Lok Ma Chau MTR Station. Noise monitoring was conducted for works during the restricted hours and no exceedance was recorded. The duration of working time for core demoulding and casting extraction were also minimized in order to reduce noise levels. Acoustic canvas sheets were installed to enclose the engine of used PME and deployed along the site boundary facing the resident of Shenzhen City to minimize the noise generated from works and the impact to the nearby resident. For enhancement, a 3m high noise barrier was installed next the rotary drilling rig on 15 February 2023. All night works were reviewed and suspended until 19 February 2023. 	Interim report was submitted to EPD on 24 Feb 2023
COM- 2023- 03-01	3 March 2023	EPD	EPD File Ref.: N06/RN/00	The complaint was lodged by a resident of Shenzhen City "附件有视频, 拍不到做工	Contract No.: YL/2021/01 According to the interim report, the piling works were	Interim report was submitted to EPD on 17

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
			006284 23	程,但机器的轰隆声从早 到晚,即使现在 22:24 分还 在热火朝天的工作中!孩 子和老人都需要休息,特 别是老人,这种声音让他 们已经很久没能早点休 息!!!窒能解决!或者 可否告知什么时候工程能 结束? A short video was attached in EPD's email on 8 th March 2023.	 carried out from 09:00 to 23:00 with valid construction noise permit under Contract YL/2021/01 at the Public Transport Interchange of Lok Ma Chau MTR Station. Other than the piling works, there were no construction works undertaken by Contract YL/2021/01 on that night. Noise source was recorded in the short video provided by the complaint. However, the noise source had yet to be ascertained. Since the commencement of the contract, Permit to Work (PTW) System for construction works undertaking during restricted hours has been implemented. PMEs used were followed the granted CNP as well as the condition(s) stipulated in CNP were fulfilled. In addition, noise monitoring was conducted for works during the restricted hours, and no exceedance was recorded. Acoustic canvas sheets were installed to enclose the engine of used powered mechanical equipment. A 3m high noise barrier was installed next to the rotary drilling rig. For enhancement, another 3m high noise barrier was erected facing the residential blocks of Shenzhen City on 7 March 2023. The piling works at the site area near Lok Ma Chau MTR Station are tentatively scheduled to be completed in the first quarter of 2024. 	Mar 2023
COM-	3 April 2023	EPD	EPD File	The complaint was lodged by	Contract No.: YL/2021/01	Interim report
2023-	1		Ref.:	a resident of Shenzhen City		was submitted
04-01			N06/RN/00	"this site is still operating at	According to the interim report, the piling works were	to EPD on 27

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
			009011-23	this time (10:15pm). It is not the first time it operates until this late but every single night since the work began. Last Sunday, it operated until 4pm". A sound recording and phot were attached to the email.	carried out from 08:00 to 19:00 on 2 April (Sunday) and 08:00 to 23:00 on 3 April with valid construction noise permit under Contract YL/2021/01 at the Public Transport Interchange of Lok Ma Chau MTR Station. Other than the piling works, there were no construction works undertaken for Contract YL/2021/01 during the aforementioned periods. The complaint included a sound recording that captured noise, but the source of the noise has not yet been determined. Since the commencement of the contract, Permit to Work (PTW) System for construction works undertaking during restricted hours has been implemented. Frontline supervisor and sub-contractors have to apply a PTW one working day in advance of the construction works during restricted hours and attend the pre-work briefing prior to commencing works on site to ensure strict compliance with the conditions of construction noise permit. No works and PMEs were allowed without the approved PTW form.	Apr 2023
					Based on the Contractor's record, two rotary drill rigs were operated as listed in Group L of granted CNP at 08:00 - 19:00 on 2 April (Sunday) and $19:00 - 23:00$ on 3 April, and only one group (L) of the PME was used for carrying out construction work at the same time. PMEs used were followed the granted CNP as well as the condition(s) stipulated in CNP were fulfilled. The power generating part of the rotary drilling rigs was screened by	

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
COM- 2023-	8 May 2023	EPD	EPD Fi le R e f.:	A public complaint was received by EPD on 8 May	Interim report was submitted	
05-01			N06/RN/00 011649 23	2023 and supplemented a video taken by complainant on 14 May 2023. The complaint was lodged by a resident of Shenzhen City "地點,港鐵落馬洲站,樓下近巴士總站,福田口岸建築地盤剛,經常發出噪音,剛才星期六五月六號約15點40分,估計噪音超過100分配,另外經常在18:00後,及於星期日公眾假期等日子進行施工及發出噪音造成滋擾。"	According to the interim report, construction activities being undertaken nearby Lok Ma Chau MTR Station on 6 May (Saturday) and 14 May (Sunday) 2023 were: Date 6 May (Saturday) 14 May (Saturday) Working 08:00 to 19:00 19:00 to 23:00 08:00 to 19:00 Time: (Normal (Restricted hours)) 19:00 19:00 Location: The Public Transport Interchange of Lok Ma Chau MTR Station Air lifting works	to EPD on 17 May 2023

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding			Status
						corded in the video ontract YL/2021/01.	was considered not	
					Since the commencement of the contract, Permit to Work (PTW) System for construction works undertaking during restricted hours has been implemented. No works and PMEs were allowed without the approved PTW form.			
					PMEs used rec Date: Time (restrict	6 May (Saturday)	14 May (Saturday) 08:00 to 19:00	
					hours) Group of grant CNP:		M	
					PMEs used:	1 x Rotary drilling rig	2 x De-senders 2 x Mobile cranes 2 x Air compressors	
					PMEs used were followed the granted CNP as well as the condition(s) stipulated in CNP were fulfilled. The power generating part of the rotary drilling rigs was screened by acoustic barrier. In addition, noise monitoring was conducted for works during the restricted hours, and no exceedance was recorded. The duration of working time			
					for core dem minimized in noise barrier v	oulding and casing e order to reduce noise vere installed next to th barriers were erected f	xtraction were also levels. A 3m high ne rotary drilling rig.	

Log Ref.	Date of Complaint	Complaint Route	Reference No.	Details of Complaint	Investigation Finding	Status
-					blocks of Shenzhen City. The generators used on site were Quality Powered Mechanical Equipment (QPME).	
					According to the calculation by the Contractor during the non-restricted hour on 6 May (Saturday), the mitigated noise level at the nearest residential building in Shenzhen based on the SWL of PMEs used were below 75dB(A).	
					All construction works performed during the restricted hours were reviewed and no non-compliance was identified. A refresher training on a CNP compliance was provided to relevant frontline staff and workers on 12 May 2023. The deployment of the temporary noise barriers would be reviewed from time to time to cater for the changing site conditions.	

APPENDIX Q SUMMARY OF SUCCESSFUL PROSECUTION Appendix Q - Summary of Successful Prosecution

Date of Successful Prosecution	Details of the Successful Prosecution	Status	Follow Up

APPENDIX R ECOLOGICAL MONITORING RESULTS

Appendix R1 – Avifauna Monitoring Results (Pond 12)

		Chinese Name	Kong		Date Weather Condition	1 st June 2023 Sunny
Common Name	Species Name			Conservation Status	Abundance Maximum count of bird species recorded (Point Count – 15 mins interval)	
					Before Construction	During Construction
Asian Koel	Eudynamys scolopacea	噪鵑	R		1	
Azure-winged Magpie	Cyanopica cyanus	灰喜鵲	R			1
Black-collared Starling	Gracupica nigricollis	黑領椋鳥	R			3
Black-crowned Night Heron	Nycticorax nycticorax	夜鷺	R, WV	LC	1	
Chinese Bulbul	Pycnonotus sinensis	白頭鵯	R		4	1
Common Kingfisher	Alcedo atthis	普通翠鳥	R		1	
Crested Myna	Acridotheres cristatellus	八哥	R		5	4
Eurasion Collared Dove	Streptopelia decaocto	灰斑鳩				1
Great Egret	Ardea alba	大白鷺	R, WV	PRC(RC)		2
Large-billed Crow	Corvus macrorhynchus	大嘴烏鴉	R			2
Oriental Magpie-Robin	Copsychus saularis	鵲鴝	R		1	
Red-billed Blue Magpie	Urocissa erythrorhyncha	紅咀藍鵲	R			1
Red-whiskered Bulbul	Pycnonotus jocosus	紅耳鵯	R		1	3
Scaly-breasted Munia	Lonchura punctulata	斑文鳥	R			2
Spotted Dove	Streptopelia chinensis	珠頸斑鳩	R		2	2

				Conservation Status	Date	1 st June 2023
					Weather Condition	Sunny
			Hong		Abund	lance
Common Name	Species Name	Name	Kong		Maximum count of bird species recorded (Point Count – 15 mins interval)	
					Before Construction	During Construction
White-shouldered Starling	Sturnia sinensis	灰背椋鳥	M, WV, Sv	LC	7	10
Yellow-bellied Prinia	Prinia flaviventris	黃腹鷦鶯	R		1	1
	Total No. of Spec	10	13			
	No. of Birds Reco	24	33			

					Date	5 th June 2023	
					Weather Condition	Fine	
			Hong	Conservation	Abundance		
Common Name	Species Name	Chinese Name	Kong	Conservation Status	Maximum count of bird species recorded (Point Count – 15 mins interval)		
		1 vanie	Status	~			
					Before Construction	During Construction	
Azure-winged Magpie	Cyanopica cyanus	灰喜鵲	R			1	
Black-collared Starling	Gracupica nigricollis	黑領椋鳥	R		2	1	
Chinese Bulbul	Pycnonotus sinensis	白頭鵯	R			2	
Common Kingfisher	Alcedo atthis	普通翠鳥	R			1	
Crested Myna	Acridotheres cristatellus	八哥	R		2	4	
Domestic Pigeon	Columba livia	原鴿	R			3	
Greater Coucal	Centropus sinensis	褐翅鴉鵑	R	(VU)		1	
Hair-crested Drongo	Dicrurus hottentottus	髮冠卷尾	PM, SV			1	
Little Egret	Egretta garzetta	小白鷺	R	PRC(RC)		1	
Oriental Magpie-Robin	Copsychus saularis	鵲鴝	R		1		
Plain Prinia	Prinia inornata	純色鷦鶯	R			2	
Red-whiskered Bulbul	Pycnonotus jocosus	紅耳鵯	R		1	3	
Scaly-breasted Munia	Lonchura punctulata	斑文鳥	R			2	
White-shouldered Starling	Sturnia sinensis	灰背椋鳥	M, WV, Sv	LC	2	9	

					Date	5 th June 2023				
					Weather Condition	Fine				
			Hong	Conservation Status	Abundance					
Common Name	Species Name	Chinese Name	Kong		Maximum count of b	ird species recorded				
		Iname	Status	Status	(Point Count – 1	5 mins interval)				
					Before Construction	During Construction				
Yellow Bittern	Ixobrychus sinensis	黃葦鳽	USV, UPM	(LC)		1				
Yellow-bellied Prinia	Prinia flaviventris	黃腹鷦鶯	R		4	3				
	Total No. of S	pecies			6	15				
	No. of Birds Re	corded			12	35				

					Date	14 th June 2023				
					Weather Condition	Storm				
		China	Hong	Conservation	Abundance					
Common Name	Species Name	Chinese Name	Kong	Conservation Status	Maximum count of b	ird species recorded				
		Ivanie	Status	Status	(Point Count – 1	5 mins interval)				
					Before Construction	During Construction				
Barn Swallow	Hirundo rustica	家燕	PM, Sv			2				
Black Drongo	Dicrurus macrocercus	黑卷尾	\mathbf{Sv}			1				
Black-collared Starling	Gracupica nigricollis	黑領椋鳥	R		1	1				
Chinese Pond Heron	Ardeola bacchus	池鷺	R	PRC(RC)		1				
Crested Myna	Acridotheres cristatellus	八哥	R		1	5				
Great Egret	Ardea alba	大白鷺	R, WV	PRC(RC)		1				
Greater Coucal	Centropus sinensis	褐翅鴉鵑	R	(VU)		2				
Large-billed Crow	Corvus macrorhynchus	大嘴烏鴉	R			1				
Plain Prinia	Prinia inornata	純色鷦鶯	R		1					
Red-whiskered Bulbul	Pycnonotus jocosus	紅耳鵯	R			1				
Scaly-breasted Munia	Lonchura punctulata	斑文鳥	R			1				
Spotted Dove	Streptopelia chinensis	珠頸斑鳩	R		2	1				
White Wagtail	Motacilla alba	白鶺鴒	PM, WV			1				
White-shouldered Starling	Sturnia sinensis	灰背椋鳥	M, WV, Sv	LC	5	13				
White-throated Kingfisher	Halcyon smyrnensis	白胸翡翠	R	(LC)	1	1				

					Date	14 th June 2023				
					Weather Condition	Storm				
		CI :	Hong		Abundance					
Common Name	Species Name	Chinese Name	Kong	Conservation Status	Maximum count of b	ird species recorded				
		1 vanie	Status	Status	(Point Count – 1	5 mins interval)				
					Before Construction	During Construction				
Yellow Bittern	Ixobrychus sinensis	黃葦鳽	USV, UPM	(LC)		1				
Yellow-bellied Prinia	Prinia flaviventris	黃腹鷦鶯	R		1	2				
	Total No. of Spe	cies	-		7	16				
	No. of Birds Reco	rded		12	35					

					Date	23 rd June 2023					
					Weather Condition	Sunny					
			II	C	Abundance						
Common Name	Species Name	Chinese Name	Hong Kong Status	Conservation Status	Maximum count of bird species recorded						
			Status		(Point Count – 1	5 mins interval)					
					Before Construction	During Construction					
Barn Swallow	Hirundo rustica	家燕	PM, Sv		2	4					
Black-collared Starling	Gracupica nigricollis	黑領椋鳥	R		4	2					
Cinnamon Bittern	Ixobrychus cinnamomeus	栗葦鳽	UPM, SSV	LC		1					
Crested Myna	Acridotheres cristatellus	八哥	R		4	13					
Great Egret	Ardea alba	大白鷺	R, WV	PRC(RC)	2	1					
Greater Coucal	Centropus sinensis	褐翅鴉鵑	R	(VU)	1	1					
House Swift	Apus nipalensis	小白腰雨燕	SpM, R			1					
Long-tailed Shrike	Lanius schach	棕背伯勞	R		1	1					
Oriental Magpie-Robin	Copsychus saularis	鵲鴝	R			1					
Pied Kingfisher	Ceryle rudis	斑魚狗	UR	(LC)	2	1					
Red-rumped Swallow	Cecropis daurica	金腰燕	UPM			1					
Red-whiskered Bulbul	Pycnonotus jocosus	紅耳鵯	R		2	1					
Spotted Dove	Streptopelia chinensis	珠頸斑鳩	R			1					
White-shouldered Starling	Sturnia sinensis	灰背椋鳥	M, WV, Sv	LC	7	8					
White-throated Kingfisher	Halcyon smyrnensis	白胸翡翠	R	(LC)		1					
White Wagtail	Motacilla alba	白鶺鴒	PM, WV			1					

					Date	23 rd June 2023				
					Weather Condition	Sunny				
				C	Abundance					
Common Name	Species Name	Chinese Name	0 0	Conservation Status	Maximum count of b (Point Count – 1	_				
					Before Construction	During Construction				
Yellow Bittern	Ixobrychus sinensis	黃葦鳽	USV, UPM	(LC)		1				
Yellow-bellied Prinia	Prinia flaviventris	黃腹鷦鶯	R		1	1				
	Total No. of S	Species	-		10	18				
	No. of Birds R	ecorded			26	41				

					Date	26 th June 2023
					Weather Condition	Sunny
			Hong Vong	Conservation	Abune	dance
Common Name	Species Name	Chinese Name	Status	Status	Maximum count of b	ird species recorded
			Status		(Point Count – 1	5 mins interval)
					Before Construction	During Construction
Barn Swallow	Hirundo rustica	家燕	PM, Sv			3
Black Kite	Milvus migrans	黑鳶	R, WV	(RC), Cap.586		1
Chinese Pond Heron	Ardeola bacchus	池鷺	R	PRC(RC)	1	1
Crested Myna	Acridotheres cristatellus	八哥	R			2
Great Egret	Ardea alba	大白鷺	R, WV	PRC(RC)		1
Greater Coucal	Centropus sinensis	褐翅鴉鵑	R	(VU)		1
House Swift	Apus nipalensis	小白腰雨燕	SpM, R			2
Pied Kingfisher	Ceryle rudis	斑魚狗	UR	(LC)		1
Plain Prinia	Prinia inornata	純色鷦鶯	R			2
Red-whiskered Bulbul	Pycnonotus jocosus	紅耳鵯	R			3
Spotted Dove	Streptopelia chinensis	珠頸斑鳩	R			1
White-shouldered Starling	Sturnia sinensis	灰背椋鳥	M, WV, Sv	LC	6	6
Yellow Bittern	Ixobrychus sinensis	黃葦鳽	USV, UPM	(LC)		1
Yellow-bellied Prinia	Prinia flaviventris	黃腹鷦鶯	R		4	3
	Total No. of S	Species			3	14
	No. of Birds R	ecorded			11	28

Note:

- R Resident; WV Winter visitor; PM Passage migrant; CPM Common Passage Migrant; UPM Uncommon passage migrant; CaM Common autumn
- migrant; USV Uncommon Summer visitor; SpM Spring migrant; Sv Summer Visitor; UR Uncommon resident; SWV Scarce winter visitor; CWV -
- Common Winter Visitor; M Spring and Autumn Migrant; OV Occasional visitor
- Status was decided according to AFCD biodiversity website (www.hkbiodiversity.net)
- Cap. 170: All bird species are under protection of Wild Animals Protection Ordinance
- Cap.586 : Endangered Species of Animals and Plants Ordinance (Cap.586)
- CR: Rare in China Red Data Book Status
- VU: Vulnerable in IUCN Red List Status
- (VU): Vulnerable in China Red Data Book Status
- EN: Endangered in IUCN Red List Status
- (EN): Endangered in China Red Data Book Status
- NT: Near Threatened in IUCN Red List Status
- CR: Critically Endangered in IUCN Red List Status

RC=Regional Concern; LC=Local Concern; PRC=Potential Regional Concern; GC=Global Concern; PGC=Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence (Fellowes et al. (2002)

Common Name	Species Name	Chinese Name	Date: 14 th J	une 2023						
			Weather Co	ondition: Fin	e					
			Counts							
	Transect Walk Day Transect Night Transect									
		Day Transect Night Transect								
			WAL	AFP	Others	WAL	AFP	Others		
Chinese Bullfrog	Hoplobatrachus rugulosus	虎紋蛙	0	0	0	0	0	0		
Remarks:										
It was observed that	the shallow agricultural ponds wher	e Chinese Bullfrog	were recorded	l has been alt	ered into relat	ively dry agri	cultural lands	s, which		
June have an effect o	n the local Chinese Bullfrog popula	ution.								

Appendix R2 – Herptofauna (Chinese Bullfrog) Survey Results

Note:

WAL – Wet Agricultural Land, AFP – Abandoned Fishpond

Appendix R3 – Aquatic Fauna (Rose Bitterling) Survey Results

Common Name	Species Name	Chinese Name	Date:	23 rd Jui	ne 2023					
			Weath	Weather Condition: Fine						
			Counts							
						Locat	ion(s)			
			S1	S2	S 3	S4	A1	A2	B1	B2
Rose Bitterling	Rhodeus ocellatus	高體鰟鮍	Direct	Observa	ation:					
			0	0	0	0	2	1	0	0
			Sweep Netting:							
			0 0 0 0 0 0 0 0						0	

Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team Water Quality Monitoring Results on 05-Jun-23

Location	Weather	Start	Tempera	iture (°C)	F	ЪН	Salin	iity ppt	DO Satu	ration (%)	Dissolved O	xygen (mg/L)	Turbidi	ty(NTU)
Location	Condition	Time	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
A1	Sunny	12:10	32.6 32.6	32.6	7.6 7.6	7.6	0.1 0.1	0.1	30.7 30.5	30.6	2.2 2.2	2.2	4.1 4.1	4.1
A2	Sunny	11:54	33.2 33.2	33.2	8.2 7.9	8.1	0.1 0.1	0.1	71.7 72.9	72.3	5.1 5.2	5.2	3.6 3.8	3.7
B1	Sunny	11:48	33.2 33.1	33.2	8.8 8.8	8.8	0.1 0.1	0.1	129.6 129.7	129.7	9.3 9.3	9.3	17.7 17.7	17.7
B2	Sunny	11:42	33.3 33.3	33.3	8.6 8.6	8.6	0.1 0.1	0.1	132.5 132.6	132.6	9.5 9.5	9.5	18.4 18.7	18.6
S1	Sunny	12:16	31.2 31.2	31.2	7.6 7.5	7.6	0.1 0.1	0.1	53.1 52.2	52.7	3.9 3.9	3.9	16.2 16.2	16.2
S2	Sunny	12:02	28.7 28.7	28.7	8.2 8.3	8.3	0.1 0.1	0.1	68.8 64.4	66.6	5.3 5.0	5.2	4.0 3.8	3.9
S3	Sunny	11:28	28.7 28.7	28.7	8.4 8.4	8.4	0.1 0.1	0.1	43.2 43.0	43.1	3.3 3.3	3.3	4.0 3.9	4.0
S4	Sunny	11:36	29.1 29.1	29.1	7.9 7.9	7.9	0.1 0.1	0.1	33.6 33.4	33.5	2.6 2.6	2.6	4.1 3.5	3.8

Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team Water Quality Monitoring Results on 16-Jun-23

Location	Weather	Start	Tempera	iture (°C)	F	ЪН	Salir	iity ppt	DO Satu	ration (%)	Dissolved O	xygen (mg/L)	Turbidi	ty(NTU)
Location	Condition	Time	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
A1	Rainy	10:10	30.1 30.1	30.1	8.1 8.1	8.1	0.1 0.1	0.1	24.3 23.8	24.1	1.8 1.8	1.8	4.2 4.2	4.2
A2	Rainy	09:56	30.2 30.2	30.2	8.2 8.2	8.2	0.1 0.1	0.1	31.1 27.1	29.1	2.3 2.0	2.2	4.0 4.0	4.0
B1	Rainy	09:50	29.7 29.7	29.7	8.3 8.3	8.3	0.1 0.1	0.1	65.4 65.2	65.3	5.0 5.0	5.0	18.1 18.1	18.1
B2	Rainy	09:44	29.7 29.7	29.7	8.3 8.3	8.3	0.1 0.1	0.1	57.7 57.4	57.6	4.4 4.4	4.4	20.3 20.4	20.4
S1	Rainy	10:16	29.1 29.1	29.1	8.1 8.1	8.1	0.1 0.1	0.1	39.6 39.1	39.4	3.0 3.0	3.0	72.6 70.3	71.5
S2	Rainy	10:03	28.0 28.0	28.0	8.2 8.1	8.2	0.1 0.1	0.1	58.0 57.4	57.7	4.5 4.5	4.5	6.6 6.9	6.8
S3	Rainy	09:32	27.8 27.8	27.8	8.4 8.4	8.4	0.3 0.3	0.3	56.0 55.9	56.0	4.4 4.4	4.4	56.8 56.6	56.7
S4	Rainy	09:38	27.9 27.9	27.9	8.2 8.2	8.2	0.2 0.2	0.2	43.5 43.1	43.3	3.4 3.4	3.4	13.6 13.6	13.6

Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team Water Quality Monitoring Results on 23-Jun-23

Location	Weather	Start	Tempera	iture (°C)	F	ъН	Salir	iity ppt	DO Satu	ration (%)	Dissolved O	xygen (mg/L)	Turbidi	ty(NTU)
Location	Condition	Time	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
A1	Cloudy	11:10	31.6 31.6	31.6	7.9 7.8	7.9	0.1 0.1	0.1	46.1 45.3	45.7	3.4 3.3	3.4	3.2 3.2	3.2
A2	Cloudy	10:48	31.4 31.4	31.4	7.7 7.7	7.7	0.1 0.1	0.1	42.4 38.7	40.6	3.1 2.9	3.0	2.7 2.7	2.7
B1	Cloudy	10:41	31.5 31.5	31.5	8.0 8.0	8.0	0.1 0.1	0.1	119.0 119.5	119.3	8.8 8.8	8.8	13.5 13.5	13.5
B2	Cloudy	10:34	31.7 31.7	31.7	7.8 7.8	7.8	0.1 0.1	0.1	123.8 124.4	124.1	9.1 9.1	9.1	12.3 12.4	12.4
S1	Cloudy	11:17	30.8 30.8	30.8	7.6 7.6	7.6	0.1 0.1	0.1	47.9 47.3	47.6	3.6 3.5	3.6	15.4 15.2	15.3
S2	Cloudy	11:03	29.0 29.0	29.0	8.5 8.5	8.5	0.1 0.1	0.1	57.5 56.9	57.2	4.4 4.4	4.4	7.7 7.5	7.6
S3	Cloudy	10:20	28.4 28.4	28.4	8.1 8.1	8.1	0.2 0.2	0.2	64.3 63.9	64.1	5.0 5.0	5.0	43.4 43.6	43.5
S4	Cloudy	10:28	28.6 28.6	28.6	7.7 7.7	7.7	0.2 0.2	0.2	54.8 54.2	54.5	4.2 4.2	4.2	20.2 20.6	20.4

Service Contract No. WD/04/2020 Development of Lok Ma Chau Loop: Main Works Package 1 – Environmental Team Water Quality Monitoring Results on 28-Jun-23

Location	Weather	Start	Tempera	iture (°C)	F	ъН	Salir	nity ppt	DO Satu	ration (%)	Dissolved O	xygen (mg/L)	Turbidi	ty(NTU)
Location	Condition	Time	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
A1	Cloudy	11:04	30.0 30.0	30.0	7.5 7.5	7.5	0.1 0.1	0.1	25.2 24.5	24.9	1.9 1.9	1.9	4.1 4.1	4.1
A2	Cloudy	10:48	30.2 30.2	30.2	7.6 7.6	7.6	0.1 0.1	0.1	30.6 29.8	30.2	2.3 2.3	2.3	4.4 4.4	4.4
B1	Cloudy	10:42	30.0 30.0	30.0	7.6 7.6	7.6	0.1 0.1	0.1	65.9 65.8	65.9	5.0 5.0	5.0	15.1 15.1	15.1
B2	Cloudy	10:35	29.9 29.9	29.9	7.8 7.8	7.8	0.1 0.1	0.1	65.1 64.9	65.0	4.9 4.9	4.9	14.1 14.0	14.1
S1	Cloudy	11:16	29.4 29.4	29.4	7.3 7.3	7.3	0.1 0.1	0.1	28.1 27.7	27.9	2.2 2.1	2.2	18.1 18.3	18.2
S2	Cloudy	10:57	28.1 28.1	28.1	7.5 7.5	7.5	0.1 0.1	0.1	46.4 46.0	46.2	3.6 3.6	3.6	10.3 10.2	10.3
S3	Cloudy	10:22	27.9 27.9	27.9	8.1 8.1	8.1	0.1 0.1	0.1	47.4 47.1	47.3	3.7 3.7	3.7	164.4 163.8	164.1
S4	Cloudy	10:29	27.9 27.9	27.9	7.9 7.9	7.9	0.1 0.1	0.1	42.0 41.2	41.6	3.3 3.2	3.3	40.6 40.5	40.6

APPENDIX S PHOTO RECORDS OF THE STATUS OF PONDS

Appendix S – Photo Records of The Status of Ponds in June 2023

