

Drainage Services Department Project Management Division 42/F Revenue Tower 5 Gloucester Road Wanchai, Hong Kong By E-mail

Attn: Mr. Ken Ho

Your Reference

Our Reference TC/LL/hc/601100222/L03

3/F, Manulife Place, 348 Kwun Tong Road, Kwun Tong, Kowloon, Hong Kong

T +852 2828 5757 F +852 2827 1823 mottmac.com Contract No. PM 10/2022 -

Independent Environmental Checker for Drainage Improvement Works at Yuen Long – Stage 2

Verification of Monthly EM&A Report (May 2024)

17 June 2024

Dear Sir,

We refer to the Monthly EM&A Report under the captioned Project, which was certified on 17 June 2024 by the Environmental Team Leader appointed under Condition 2.1 of the Environmental Permit No. EP-596/2021 (hereinafter referred to as "EP").

We would like to inform you that we have no adverse comment on the captioned submission. Therefore, we hereby verify the abovementioned submission in accordance with EP Conditions 1.9 and 4.4.

Should you have any queries regarding the captioned, please contact our Hin Chan at 2828 5764 or the undersigned at 2828 5751.

Yours faithfully for MOTT MACDONALD HONG KONG LIMITED

Liz LO

Independent Environmental Checker

T 2828 5751

Liz.lo@mottmac.com

Drainage
Improvement Works
Near Four Villages in
Yuen Long – Sung
Shan New Village, Tai
Wo, Lin Fa Tei and Ha
Che

Monthly Environmental Monitoring and Audit (EM&A) Report

Wing Tat Civil Engineering Co. Limited

Revision: 2 2024-06-17



Document control record

Document prepared by:

Aurecon Hong Kong Limited

Unit 1608, 16/F, Tower B, Manulife Financial Centre, 223 – 231 Wai Yip Street, Kwun Tong, Kowloon Hong Kong S. A. R.

T +852 3664 6888

F +852 3664 6999

E hongkong@aurecongroup.com

W aurecongroup.com

A person using Aurecon documents or data accepts the risk of:

- a) Using the documents or data in electronic form without requesting and checking them for accuracy against the original hard copy version.
- **b)** Using the documents or data for any purpose not agreed to in writing by Aurecon.

Document control									
Report title		Monthly Environmental Monitoring and Audit (EM&A) Report							
Document code		EM&A-04	Project num	ber	P525672				
File p	path								
Clien	t	Wing Tat Civil Engineering Co. Limited							
Client contact			Client refere	ence					
Rev	Date	Revision details/status	Author	Reviewer	Verifier (if required)	Approver			
0	2024-06-13	First Issue	Joe Ho	F. C. Tsang		Kevin Li			
1 2024-06-17		Revision based on IEC comments	Joe Ho	F. C. Tsang		Kevin Li			
2 2024-06-17		Revision based on IEC comments	Joe Ho	F. C. Tsang		Kevin Li			
Current revision 2									

Approval								
Author signature	J.	Certified by	Toay Failbearg					
Name	Joe Ho	Name	F. C. Tsang					
Title	Environmental Team Consultant	Title	Environmental Team Leader					

Contents

E	XECU	TIVE SUMMARY	IV
1	INT	RODUCTION	1
	1.1 1.2 1.3 1.4 1.5	PROJECT BACKGROUND CONSTRUCTION WORKS PROGRAMME	2 2 3
2	WA	TER QUALITY	7
	2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 2.10	MONITORING REQUIREMENT MONITORING LOCATION MONITORING PARAMETER AND FREQUENCY SAMPLING DEPTHS & REPLICATION MONITORING EQUIPMENT MONITORING METHODOLOGY QA/QC REQUIREMENTS ACTION AND LIMIT LEVEL FOR WATER QUALITY MONITORING EVENT AND ACTION PLAN RESULTS AND OBSERVATIONS	7 8 8 12 13 14
3	NO	ISE	20
	3.1 3.2 3.3 3.4 3.5 3.6	MONITORING LOCATIONS	20 21 22
4	EC	OLOGY	24
	4.1 4.2	FRESHWATER CRAB	27
5		ASTE MANAGEMENT	
6		ND CONTAMINATION NDSCAPE AND VISUAL	
	7.1 7.2	AUDIT REQUIREMENTS	30
		LTURAL HERITAGE	
	8.1 8.2	Archaeology Built Heritage	
9	EN	VIRONMENTAL SITE INSPECTION AND AUDIT	30
	9.1	IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES	30
1(A		SUMMARY OF MONITORING EXCEEDANCE, COMPLAINTS, NOTIFICATION OF SUMM ROSECUTIONS	
	10.1 10.2 10.3 10.4	SUMMARY OF EXCEEDANCE	34 34
11	l F	UTURE KEY ISSUES	
	11.1 11.2	Works and Potential Environmental Issues in the next Reporting Period	
12	2 0	CONCLUSIONS	37

12.1 12.2		USION						
Appen	dices	5						
APPENDIX	(1.1	CONSTRUCTION PROGRAMME						
APPENDIX	(1.2	PROJECT ORGANIZATION CHART						
APPENDIX	(1.3	IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURE						
APPENDIX		CALIBRATION CERTIFICATES OF IMPACT WATER QUALITY MONITORING EQUIPMENT						
APPENDIX	(2.2	EVENT AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE						
APPENDIX	(2.3	IMPACT MONITORING SCHEDULE OF THE REPORTING MONTH						
APPENDIX	(2.4	IMPACT WATER QUALITY MONITORING DATA						
APPENDIX	(3.1	CALIBRATION CERTIFICATES OF IMPACT NOISE MONITORING EQUIPMENT						
APPENDIX	(3.2	EVENT AND ACTION PLAN FOR NOISE EXCEEDANCE						
APPENDIX	(3.3	IMPACT NOISE MONITORING DATA						
APPENDIX	(5.1	WASTE FLOW TABLE						
APPENDIX	(10.1	COMPLAINT LOG						
APPENDIX	(11.1	IMPACT MONITORING SCHEDULE OF NEXT REPORTING MONTH						
Figures	3							
Figure 1.1 Figure 1.2 Figure 2.1 Figure 3.1 Figure 8.1	Loca Impa Impa	eral Site Location Plan tion of Work Areas for the Project act Water Quality Monitoring Locations act Noise Monitoring Locations for Archaeological Survey						
Tables								
Table A2 S Table A3 S Table 1.1 F	Summa Summa Parties	ry of EM&A activities in the Reporting Period ry of Exceedances in the Reporting Period ry of Exceedances of the Last Reporting Period Involved in Project Organisation						
Table 1.3 S Table 2.1 S Table 2.2 F	Summa Summa Parame	of Environmental License, Notifications and Permits ary of Status for Key Environmental Aspects under the Approved EM&A Manual ary of Impact Water Quality Monitoring Stations eters measured in the Impact Water Quality Monitoring Quality Monitoring Equipment						
		I for Laboratory Analysis for Water Samples						
		and Limit Levels for Water Quality						
Table 2.7 S Table 2.8 S	Summa Summa Summa	and Limit Levels of Water Quality ary of Exceedance Records of Water Quality Monitoring in the Reporting Period ary of Exceedance Records of Water Quality Monitoring in the Reporting Period ary of Outstanding Exceedance Records of Water Quality Monitoring in the Last						
Table 3.1 I	•	ting Period Monitoring Stations during Construction Phase						
Table 3.2 (Constru	uction Noise Monitoring Parameter, Frequency and Duration						
		uction Noise Monitoring Equipment and Limit Levels for Construction Noise Monitoring						
		ary of Construction Noise Monitoring Results						
Table 3.6 I	nfluenc	cing Factors at Noise Monitoring Stations						
		on Measures for Impacted Graded Historic Buildings spection Record						
	Table 9.2 Site Observations							

Executive Summary

A1. This is the 4th Monthly Environmental Monitoring and Audit (EM&A) Report for Drainage Improvement Works Near Four Villages in Yuen Long (the Project). This report was prepared by Aurecon Hong Kong Limited under Contract No. DC/2022/02 Drainage Improvement Works at Yuen Long - Stage 2 (hereinafter called the "Contract"). This report documents the findings of EM&A works during the reporting period from 1 May to 31 May 2024.

Key Construction Works in the Reporting Period

A2. A summary of construction activities undertaken during the reporting period is presented below:

Ha Che

- Site Clearance Work
- Lifting Operation;
- Plant Operation;
- Excavation:
- Sheet Piling; and
- Installation of Precast Unit

Lin Fa Tei

- Site Clearance Work
- Lifting Operation;
- Plant Operation;
- Excavation; and
- Sheet Piling

Sung Shan New Village

Site Clearance

Monitoring and Audit Programme

A3. The monthly EM&A programme was undertaken by the ET in accordance with the approved EM&A Manual. A summary of the monitoring and audit activities during the reporting period is presented in Table A1.

Table A1 Summary of FM&A activities in the Reporting Period

EM&A Activities	Date		
Water Quality Monitoring	Ha Che, Lin Fa Tei and Sung Shan New Village: 2, 7, 9, 11, 14, 16, 18, 21, 23, 25, 28 and 30 May 2024		
Noise Monitoring	Ha Che, Lin Fa Tei and Sung Shan New Village: 3, 10, 17, 24 and 31 May 2024		
Weekly Environmental Site Inspection	2, 8 16, 22 and 29 May 2024		

Breaches of Action and Limit Levels

A4. Summary of the environmental exceedances of the reporting month is tabulated in **Table A2**.

Table A2 Summary of Exceedances in the Reporting Period

Environmental Monitoring	Parameter	project	f non- related ances ⁽¹⁾ LL	Total No. of non- project related exceedances ⁽¹⁾	No. exceed related the pro	lances to the	Total No. of exceedance related to the project ⁽¹⁾
	DO	0	0	0	0	0	0
Water Quality	Turbidity	0	0	0	0	0	0
	SS	0	4	4	0	0	0
Noise	L _{eq(30mins)}	0	0	0	0	0	0

Note:

A5. After the investigation, exceedances recorded on 23/4, 25/4, 27/4 and 29/4 were considered non-project related. The updated summary of the environmental exceedances of the last reporting month (i.e April 2024) is tabulated in **Table A3**.

Table A3 Summary of Exceedances of the Last Reporting Period

Environmental Monitoring	Parameter	No. of non- project related exceedances AL LL		Total No. of non- project related exceedances	No. of exceedances related to the the project AL LL		Total No. of exceedance related to the project
	DO	0	0	0	0	0	0
Water Quality	Turbidity	0	0	0	0	0	0
	SS	2	7	9	0	0	0
Noise	L _{eq(30mins)}	0	0	0	0	0	0

Water Quality

- A6. Water quality monitoring was conducted as scheduled in the reporting period except for water quality monitoring scheduled on 5 May 2024 and 21 May 2021 due to adverse weather. Eleven (11) limit level exceedances for SS during impact water quality monitoring were recorded during reporting period. After investigation, exceedances recorded on 2/5, 7/5 and 14/5 were considered non-project related. Since the exceedances recorded on 16/5, 18/5, 23/5, 25/5, 28/5 and 30/5 are under investigation, the results of investigations will be presented on next monthly EM&A report.
- A7. For the exceedances recorded 23/4, 25/4, 27/4 and 29/4 during the last reporting period, all the exceedances were considered non-project related after the investigation.

Noise

A8. No Action Level or Limit Level exceedance was recorded for construction noise monitoring in the reporting period.

⁽¹⁾ Only exceedances recorded on 2/5, 7/5 and 14/5 are counted. Since the exceedances recorded on 16/5, 18/5, 23/5, 25/5, 28/5 and 30/5 are under investigation, the results of investigation will be presented on next monthly EM&A report.

Complaint Log

A9. No environmental complaint was received in the reporting period.

Notification of Summons and Successful Prosecutions

A10. No notification of summons or successful prosecutions was received in the reporting period.

Reporting Changes

- A11. Construction works at Tai Wo are only allowed during dry season (i.e. October to March) in accordance with Condition 3.2 of EP No.: EP-596/2021. Thus, the construction EM&A programme at Tai Wo, including impact water quality monitoring, impact noise monitoring and weekly inspection, are temporarily suspended during the reporting period.
- A12. The noise monitoring at LFT_M7 have been suspended since 27 March 2024 due to the objection from property management office for providing access to designated monitoring location. The property management office formally refused our application of access right LFT_M7 on 29 May 2024. A proposal for alternative noise monitoring location replacing LFT M7 at Lin Fa Tei was submitted to Independent Environmental Checker (IEC) and Engineer for their approval.
- A13. The schedule impact water quality monitoring on 5 May 2024 was cancelled due to adverse weather. Impact water quality monitoring on 21 May 2024 was only conducted at C9 and C10 due to the adverse weather.

Future Key Issues

A14. The major site activities for the next reporting period are summarized below:

Ha Che

- Site Clearance Work
- Lifting Operation;
- Plant Operation;
- Excavation;
- Sheet Piling; and
- Installation of Precast Unit

Lin Fa Tei

- Site Clearance Work
- Lifting Operation;
- Plant Operation;
- Excavation; and
- **Sheet Piling**

Sung Shan New Village

Site Clearance

1 Introduction

1.1 Project Background

- 1.1.1 The Drainage Master Plan Studies for the Yuen Long, Kam Tin, Ngau Tam Mei and Tin Shui Wai Drainage Basin (YLDMP) were completed in 1998. The majority of the improvement works in Yuen Long and Kam Tin recommended under the YLDMP Study have been completed. Since completion of the DMP Studies, there have been changes in developments within the areas and new development proposals and town planning studies were commissioned. In addition, some new flooding complaints were received at the upstream areas of the drainage basins, indicating that further improvement to the drainage systems was required.
- 1.1.2 The Drainage Services Department (DSD) commissioned the "Review of Drainage Master Plans in Yuen Long and North Districts Feasibility Study" (the Review Study) in 2008 so that the new development scenarios could be incorporated and the effectiveness of the previously recommended works could also be assessed. The Review Study completed in end 2011 identified that some areas in Yuen Long District could not meet the required flood protection level according to the latest land use changes and future developments taking into account various factors, including sedimentation at the downstream main channels, mangrove growth at river estuaries, updated extreme sea level statistics at Tsim Bei Tsui and projected climate change impacts, in the hydraulic analysis. To account for the severity and extent of possible flooding and the works implementation time, the Review Study proposed drainage improvement works in Yuen Long District.
- 1.1.3 Atkins China Ltd (ACL) was commissioned by the DSD in November 2013 to undertake an Investigation, Design and Construction Consultancy entitled "Agreement No. CE 22/2013 (DS) Drainage Improvement Works in Yuen Long, Stage 1 Investigation, Design and Construction" (hereinafter called the Assignment). The Project comprises construction of drainage improvement works to four villages (namely Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che) including landscaping, waterscaping, utilities diversion, temporary traffic arrangements, re-provisioning / improvements to existing dry weather flow intercepting system and any other works incidental to the completion of the Project.
- 1.1.4 An Environmental Impact Assessment (EIA) Study Brief (ESB-279/2014) for four villages namely Ha Che, Tai Wo, Lin Fa Tei and Sung Shan New Village which is a designated project was issued by the Environmental Protection Department (EPD) on 14 October 2014.
- 1.1.5 The EIA Report for Drainage Improvement Works Near Four Villages in Yuen Long Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che (referred to as "the Project") (Register No. AEIAR-229/2021) was approved on 3 June 2021 and the Environmental Permit (EP) EP-596/2021, covering the Upgrading, Construction and Deepening of the Project was granted on 28 September 2021.
- 1.1.6 Aurecon Hong Kong Limited (Aurecon) is commissioned by the Wing Tat Civil Engineering Co. Limited to undertake the Environmental Team (ET) services and carry out the Environmental Monitoring and Audit (EM&A) for Drainage Improvement Works Near Four Villages in Yuen Long Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che (Register No. EP-596/2021).

1.1.7 This is the 4th Monthly EM&A Report summarizing the key findings of the construction phase EM&A programme from 1 May to 31 May 2024 (the reporting period) and is submitted to fulfil the requirements in Condition 4.4 of EP-596/2021 and Section 12.2 of the approved EM&A Manual of the Project.

1.2 Construction Works Programme

1.2.1 The construction programme and the location plan of the Project are shown in **Appendix 1.1** and **Figure 1.1** respectively. The locations of the proposed drainage improvement works at the four villages are presented in **Figures 1.2a** to **Figures 1.2d**.

1.3 Project Organisation

1.3.1 Involvement of relevant parties in a collaborative and interactive manner is essential for the implementation of the recommended EM&A programme. The following sections outline the primary responsibilities and duties of the key EM&A programme participants. The lines of communication with respect to EM&A works are shown in **Diagram 1.1**.

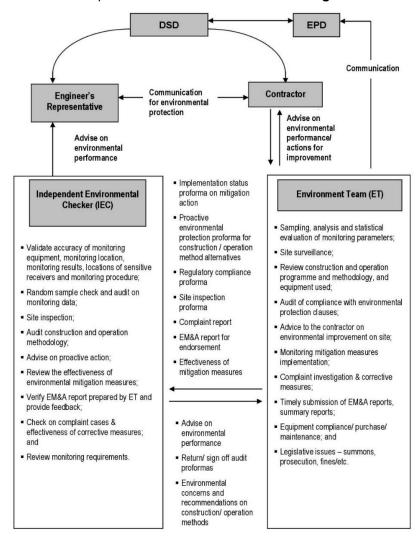


Diagram 1.1 Organisation Chart

1.3.2 Parties with different levels of involvement in the Project organisation are summarized in **Table** 1.1.

Table 1.1 Parties Involved in Project Organisation

Parties	Organization / Company		
Project Proponent	Drainage Services Department		
Supervisor / Engineer's Representative (ER)	Atkins China Ltd		
Contractor	Wing Tat Civil Engineering Co. Limited		
Environmental Team (ET)	Aurecon Hong Kong Limited		
Independent Environmental Checker (IEC)	Mott MacDonald Hong Kong Limited		

1.3.3 The key personnel contact names and numbers are summarized in **Appendix 1.2**.

1.4 Construction Works Programme and Construction Works Area

1.4.1 The construction works commenced on 20 February 2024. The construction works programme and the construction works area of the Project are shown in **Appendix 1.1** and **Figure 1.1** respectively. A summary of construction activities undertaken during this reporting period is presented below:

Ha Che

- Site Clearance Work
- Lifting Operation;
- Plant Operation;
- Excavation;
- Sheet Piling; and
- Installation of Precast Unit

Lin Fa Tei

- Site Clearance Work
- Lifting Operation;
- Plant Operation;
- Excavation; and
- Sheet Piling

Sung Shan New Village

Site Clearance

1.5 Summary of Environmental Status

1.5.1 A summary of the relevant permits, licences, and/or notifications on environmental protection for this Project is presented in Table 1.2.

Table 1.2 Status of Environmental License, Notifications and Permits

Downit / License No	Valid Pe	Ctatus	
Permit / License No.	From	То	Status
Environmental Permit			
EP-596/2021	28/09/2021	N/A	Valid
Notification pursuant to Air	Pollution Control (C	onstruction Dust) R	egulation
Ref. Number: 497623	29/09/2023	N/A	Valid
Billing Account for Disposal of Construct	ion Waste		
7048880	18/10/2023	N/A	Valid
Registration of Chemical Waste Producer	•		
5213-526-W3771-01	02/11/2023	N/A	Valid
Effluent Discharge License under Water F	Pollution Control Or	dinance	
<u>Ha Che</u> WT10002496-2023	26/04/2024	30/04/2029	Valid
<u>Lin Fa Tei</u> WT10002494-2023	24/05/2024	31/05/2029	Valid
Tai Wo NA	NA	NA	Under Application
Sung Shan New Village NA	NA	NA	Under Application

- 1.5.2 The status for all environmental aspects is presented in **Table 1.3**.
- 1.5.3 The EM&A programme has been implemented in accordance with the recommendations presented in the approved EIA Report and the approved EM&A Manual. A summary of implementation status of the environmental mitigation measures for the construction phase of the Project during the reporting period is provided in Appendix 1.3.

Table 1.3 Summary of Status for Key Environmental Aspects under the Approved EM&A Manual

Manual					
Parameters	Status				
Water Quality					
Baseline Monitoring under Approved EM&A Manual	The baseline water quality monitoring results have been reported in Baseline Monitoring Report and submitted to EPD under EP Condition 4.3.				
Impact Monitoring	The regular impact water quality monitoring was commenced at Ha Che on 21 February 2024. Since construction works were commenced at Lin Fa Tei and Tai Wo on 20 March 2024, impact water quality monitoring at Lin Fa Tei (i.e. C6, C7A and C8) and Tai Wo (i.e. C4 and C5) were started 20 March 2024. Impact water quality monitoring at Sung Shan New Village (i.e. C1A, C2 and C3A) was commenced on 17 April 2024 since the construction work at Sung Shan New Village was begun on 16 April 2024. Construction works at Tai Wo are only allowed during dry season (i.e. October to March) in accordance with Condition 3.2 of EP No. EP-596/2021. Thus, the impact water quality monitoring at Tai Wo is temporarily suspended during the reporting period.				
Noise					
Baseline Monitoring	Up to the end of the reporting period, the baseline noise monitoring results for Ha Che have been reported in the Baseline Monitoring Report and submitted to the EPD under EP Condition 4.3. Baseline noise monitoring results for Tai Wo, Lin Fa Tei, and Sung Shan New Village will be further updated in the Baseline Monitoring Report and submitted to the EPD.				
Impact Monitoring	The weekly impact noise monitoring was commenced at Ha Che on 23 February 2024. Since construction works were commenced at Lin Fa Tei and Tai Wo on 20 March 2024, impact noise monitoring at Lin Fa Tei (i.e. LFT_M1, LFT_M3A, LFT_M7 and LFT_M11) and Tai Wo (i.e. TW_M2 and TW_M3) were started 20 March 2024. Impact noise monitoring at Sung Shan New Village (i.e. SSNV_M2, SSNV_M3 and SSNV_M6) was commenced on 19 April 2024 since the construction work at Sung Shan New Village was begun on 16 April 2024. Construction works at Tai Wo are only allowed during dry season (i.e. October to March) in accordance with Condition 3.2 of EP No.: EP-596/2021. Thus, the impact noise monitoring at Tai Wo is temporarily suspended during the reporting period.				
Ecology					
Freshwater Crab Translocation Plan (FCTP)	The EPD had no further comment on the submitted FCTP on 9 February 2024. Pre-construction survey at Ha Che was carried out between 5 and 7 February 2024. Pre-construction survey at Lin Fa Tei was carried out between 11 and 13 March 2024.				
Habitat Creation and Management Plan (HCMP)	The first draft of HCMP was submitted to the EPD and the Agriculture, Fisheries and Conservation Department (AFCD) on 22 December 2023. Following comments from the EPD and AFCD dated 17 January 2024, the revised HCMP was submitted to EPD and AFCD for further review. Further comment was received from EPD on 27 May 2024, the HCMP is pending for revision.				
					

Parameters	Status
Mitigation Measures listed in Approved EM&A Manual	On-going
Waste Management	
Mitigation Measures listed in Approved EM&A Manual	On-going
Land Contamination	
Mitigation Measures listed in Approved EM&A Manual	No suspected contamination was observed or reported by the Contractor in the reporting period.
Landscape and Visual	
Landscape and Visual Mitigation Plan (LVMP)	The first draft of LVMP was submitted to the EPD, the AFCD and the Planning Department (PlanD) on 22 December 2023. Following comments from the EPD, AFCD and PlanD on 7 February 2024, the LVMP is pending for further revision.
Weekly Site Audit	On-going On-going
Mitigation Measures listed in Approved EM&A Manual	On-going
Cultural Heritage	
Archaeological Survey	Archaeological Survey will be carried out at site area within Lin Fa Tei of Archaeological Interest.
Mitigation Measures listed in Approved EM&A Manual	On-going
Environmental Audit	
Site Inspection covering Measures of Air Quality, Noise, Water Quality, Waste, Land Contamination, Ecological Quality, Landscape and Visual Impacts and Cultural Heritage	On-going Control of the control of t

2 Water Quality

2.1 Monitoring Requirement

- 2.1.1 In accordance with the approved EM&A Manual, impact water quality monitoring should be carried out three days per week at all designated monitoring stations during the construction period. The interval between two sets of monitoring should not be less than 36 hours.
- 2.1.2 Replicate in-situ measurements of dissolved oxygen (DO), temperature, turbidity, pH, and suspended solids (SS) for each independent sampling event shall be collected to ensure a robust statistically interpretable database.

2.2 Monitoring Location

2.2.1 Impact water quality monitoring was conducted at 8 monitoring stations which is summarized in **Table 2.1**. The location of water quality monitoring stations is shown in **Figure 2.1a** to **Figure 2.1d**.

Table 2.1 Summary of Impact Water Quality Monitoring Stations

Stream	Monitoring	Coordinates (HK Grid)		
Stream	ID	Easting	Northing	Neiliai KS
	C1A (1)	821702	831945	Alternative Impact Monitoring Point
SSNV	C2	822459	831470	Control Monitoring Point
	C3A (2)	822413	831284	Alternative Control Monitoring Point
TW	C4 (3)	825497	830664	Control Monitoring Point
IVV	C5 (3)	825486	830716	Impact Monitoring Point
	C6	827232	831713	Control Monitoring Point
LFT	C7A (4)	826865	832115	Alternative Control Monitoring Point
	C8	826513	832075	Impact Monitoring Point
НС	C9	828304	835029	Control Monitoring Point
110	C10	827919	834271	Impact Monitoring Point

Notes

- (1) At Station C1, access to safe sampling of water is not feasible due to steep banks on both sides of the stream channel. An alternative monitoring location is proposed at Station C1A, which is about 250 m along the same stream channel downstream of Station C1 and is accessible for safe water sampling.
- (2) During the first day of baseline monitoring at Station C3, shallow water was observed, and the ET could not sample enough water for monitoring. As agreed by the ER, the Contractor, and the IEC, a new sampling location, Station C3A, was identified at about 130 m upstream and was accessible for water sampling.
- (3) Construction works at Tai Wo are only allowed during dry season (i.e. October to March) in accordance with Condition 3.2 of EP No.: EP-596/2021. Thus, the impact water quality monitoring at Tai Wo was temporarily suspended during the reporting period.
- (4) For Station C7, the location is not close to the nearest, revised works boundary (about 200 m away). An alternative monitoring location is proposed at Station C7A, which is about 23 m upstream of the nearest, revised works boundary.

2.3 Monitoring Parameter and Frequency

2.3.1 The monitoring parameters, frequency and duration of impact water quality monitoring are listed in **Table 2.2**.

Table 2.2 Parameters measured in the Impact Water Quality Monitoring

Parameter	Frequency	Duration
Dissolved oxygen (DO), temperature, turbidity, salinity, pH, stream water depth and suspended solids (SS)	3 days in a week	Throughout the construction phase

2.3.2 Monitoring location and position, time, sampling depth, weather conditions and any special phenomena or work underway nearby are recorded during the impact monitoring.

2.4 Sampling Depths & Replication

- 2.4.1 During impact water quality monitoring, each station was sampled. Due to a shallow water depth (less than 3 m) with low flow rates in rivers, all the monitoring would be located at mid-depth level.
- 2.4.2 Duplicate water samples were collected at each sampling depth for laboratory measurement of SS. Samples were stored in high density polythene bottles, packed in ice (cooled to 4 °C without being frozen), and delivered to the laboratory on the same day of collection for analysis.

2.5 Monitoring Equipment

2.5.1 The measurement of DO, temperature, turbidity, salinity, pH and stream water depth were undertaken in-situ. In-situ monitoring instruments in compliance with the specifications listed under Section 6.3 of the approved EM&A Manual were adopted to undertake the water quality monitoring for the Project. Water quality monitoring equipment with the following specifications shall be supplied and maintained by the ET.

Dissolved Oxygen and Temperature Measuring Equipment

- 2.5.2 The instrument for measuring dissolved oxygen and temperature should be portable and weatherproof complete with cable, sensor, and use DC power source. The equipment was capable of measuring:
 - A dissolved oxygen level in the range of 0 20 mg/L and 0 200% saturation; and
 - The temperature within 0 45 °C.

2.5.3 It should have a membrane electrode with automatic temperature compensation connected with a cable. Sufficient stocks of spare electrodes and cables should be available for replacement where necessary (e.g. YSI model 59 meter, YSI 5739 probe, YSI 5795A submersible stirrer with reel and cable or an approved similar instrument).

<u>рН</u>

2.5.4 pH meter (e.g. Hanna – HI 9024 or equivalent) should be used to measure pH value of water samples in-situ. It should be readable to 0.1 pH in a range of 0 to 14. Standard buffer solutions of at least pH 7 to pH 10 shall be used for calibration of the instrument before and after use.

Turbidity Measurement Equipment

2.5.5 The instrument should be a portable, weatherproof turbidity-measuring instrument with a comprehensive operation manual. The equipment should use a DC power source. It should have a photoelectric sensor capable of measuring turbidity between 0 – 1000 NTU and be equipped with a cable (e.g. Hach model 2100P or an approved similar instrument).

Suspended Solids

- 2.5.6 A water sampler should comprise a transparent PVC cylinder, with a capacity of not less than 2 litres, and should be effectively sealed with latex cups at both ends. The sampler should have a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth (e.g. Kahlsico Water Sampler or an approved similar instrument).
- 2.5.7 Water samples for suspended solids measurement shall be collected in high density polythene bottles, packed in ice (chilled to 4 °C without being frozen), and delivered to the laboratory as soon as possible after collection.

Water Depth Detector

- 2.5.8 A portable, battery-operated echo sounder should be used for determining water depth at each designated monitoring station.
- 2.5.9 For shallow water (less than 1 m deep), a portable water depth ruler will be used to measure water depth.

Monitoring Position Equipment

2.5.10 A hand-held or boat-fixed digital Global Positioning System (GPS) or other equivalent instrument of similar accuracy shall be provided and used during water quality monitoring to ensure the water sampling locations are correct during water quality monitoring work.

Water Sampling Equipment

- 2.5.11 A transparent PVC or glass cylinder, which has a volume of not less than 2 litres and can be sealed at both ends with cups, should be equipped with a positive latching system. During the water sampling, a messenger is released to trigger the closure of the water sampler at suitable water depth.
- 2.5.12 For sampling location with shallow water depth, plastic bucket would be used instead.

Calibration of In-situ Instruments

- 2.5.13 All in-situ monitoring instruments should be checked, calibrated and certified by a laboratory accredited under HOKLAS or another international accreditation scheme before use, and subsequently re-calibrated at 3-monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes should be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter should be carried out before measurement at each monitoring location.
- 2.5.14 For the on-site calibration of field equipment, the BS 127:1993, Guide to Field and On-Site Test Methods for the Analysis of Water should be observed.

Back-up Equipment

- 2.5.15 Sufficient stocks of spare parts should be maintained for replacements when necessary. Backup monitoring equipment shall also be made available so that monitoring can proceed uninterruptedly even when some equipment is under maintenance, calibration, etc.
- 2.5.16 Table 2.3 summarizes the equipment used in the water quality monitoring programme. Copies of the calibration certificates of multi-parameter water quality monitoring system are shown in Appendix 2.1.

Table 2.3 Water Quality Monitoring Equipment

	Table 2:3 Water Quality Monitoring Equipment								
Equipment	Model	Quantity	Serial No.	Parameter	Range	Accuracy			
Water Sampler	Wildco 2.2L Water Sampler with messenger or plastic bucket (used in shallow water depth)	1	N/A	N/A	N/A	N/A			
					0 to 500%	 0 to 200%: ±1% of reading 200 to 500%: ±8% of reading 			
Multi- functional	YSI ProDSS (multi- parameters)	2	15M101091	Dissolved Oxygen (DO)	0 to 50 mg/L	 0 to 20 mg/L: ±0.1 mg/L or 1% of reading, whichever is greater 20 to 50 mg/L: ±8% of reading 			
Water Quality			and	Temperature	-5 to 50 °C	±0.2 °C			
Meter			22C106561	pН	0 to 14 pH units	±0.2 pH units			
				Turbidity	0 to 4000 NTU	 0 to 999 NTU: 0.3 NTU or ±2% of reading, whichever is greater 1000 to 4000 NTU: ±5% of reading 			
Water Depth Ruler	鼎峯 0708	1	NA*	Water depth	0 – 7 m (Used for water depth less than 1 m)	±0.01 m			
Positioning Equipment	Garmin (GPSmap 78s)	1	1WL223754	Positioning	N/A	GPS: ±1m			

2.6 Monitoring Methodology

- 2.6.1 Water samples were collected at an appropriate water depth using a sealable transparent PVC or glass cylinder. For locations with shallow water depth, a plastic bucket was used as an alternative. Usually, water was then transferred to the sample bottles until they were filled to the top with no remaining air space before the lid was securely screwed on. For samples that were preserved with acid or alkalis prior to transport to the laboratory, the samples bottles were filled to the level specified by the analytical laboratory.
- 2.6.2 Multi-functional water quality meters were checked, calibrated and certified by Quality Pro Test-Consult Limited (HOKLAS reg no. 259) before use, and would be subsequently re-calibrated at 3-monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes should be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter should be carried out before measurement at each monitoring location. For the on-site calibration of field equipment, the BS 127:1993, Guide to Field and On-Site Test Methods for the Analysis of Water should be observed.
- 2.6.3 Water samples for suspended solids measurement were collected in high density polythene bottles, packed in ice (chilled to 4 °C being frozen), and delivered to the laboratory as soon as possible after collection.
- 2.6.4 Water sampling equipment deployed during the monitoring programme was decontaminated by manual washing and rinsed with clean distilled water after each sampling location.
- 2.6.5 All sampling bottles were labelled with the sample ID (including the indication of sampling station), 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. The laboratory determination works started within 24 hours after collection of water samples.

Laboratory Analytical Methods

2.6.6 Analysis of SS was carried out by a HOKLAS accredited laboratory (Acumen Laboratory and Testing Limited). At least two replicate samples from each independent sampling event were collected for the SS measurement. Sufficient water samples (about 3,000 mL) were collected at the monitoring stations for carrying out the laboratory SS determination. The analytical method for suspended solids is presented in **Table 2.4**.

Table 2.4 Method for Laboratory Analysis for Water Samples

Parameters	Analytical Method	Detection Limit
Suspended Solid (SS)	APHA 17ed 2540-D (1)	1 mg/L or better

Note:

 APHA American Public Health Association Standard Methods for the Examination of Water and Wastewater.

2.7 QA/QC Requirements

Decontamination Procedures

2.7.1 Water sampling equipment used during the course of the monitoring process was decontaminated by manual washing and rinsed with distilled water after each sampling event. All of the disposable components/ accessories were discarded after sampling.

Sampling Management and Supervision

2.7.2 All sampling bottles were labelled with the sample ID numbers (including the sampling station), and sampling date. Water samples were dispatched to the testing laboratory for analysis as soon as possible. All the collected samples were stored in a cool box to keep the temperature less than 4 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.

Quality Control Measures for Sample Testing

- 2.7.3 Quality control of laboratory analysis of water samples was performed by Acumen Laboratory and Testing Limited for every batch of 20 samples:
 - One method blank; and
 - One set of QC sample

2.8 Action and Limit Level for Water Quality Monitoring

2.8.1 The criteria of action and limit levels for water quality monitoring are defined in **Table 2.5**.

Table 2.5 Action and Limit Levels for Water Quality

Parameters Action Level		Limit Level
DO in mg/L	< 5%-ile of baseline data	< 4 mg/L or < 1%-ile of baseline data
SS in mg/L	> 95%-ile of baseline data or >120% of upstream control station of the same day	> 99%-ile of baseline data or 130% of upstream control station of the same day
Turbidity in NTU	> 95%-ile of baseline data or >120% of upstream control station of the same day	> 99%-ile of baseline data or > 130% of upstream control station of the same day

Notes:

- (1) For DO, non-compliance of the water quality limit occurs when monitoring result is lower than the limit.
- (2) For SS and turbidity, non-compliance of the water quality limit occurs when monitoring result is higher than the limit.
- (3) All the figures given in the table are used for reference only and the EPD may amend the figures whenever it is considered necessary.
- 2.8.2 Based on the criteria listed in **Table 2.5**, the action and limit levels for water quality are determined in **Table 2.6**.

Table 2.6 Action and Limit Levels of Water Quality

Stream	Monitoring ID	Parameters	Action	Limit	
		DO in mg/L	6.72	4 (1)	
SSNV	C1A	SS in mg/L	7.3 or >120% of upstream control station of the same day	8.5 or > 130% of upstream control station of the same day	
		Turbidity in NTU	10.37 or >120% of upstream control station of the same day	10.81 or > 130% of upstream control station of the same day	
		DO in mg/L	8.36	4 ⁽²⁾	
TW	C5 _	SS in mg/L	9.9 or > 120% of upstream control station of the same day	10.0 or > 130% of upstream control station of the same day	
		Turbidity in NTU	13.64 or > 120% of upstream control station of the same day	13.87 or > 130% of upstream control station of the same day	
	C8 _	DO in mg/L	5.38	4 ⁽³⁾	
LFT		SS in mg/L	6.3 or > 120% of upstream control station of the same day	7.0 or > 130% of upstream control station of the same day	
		Turbidity in NTU	12.46 or > 120% of upstream control station of the same day	12.94 or > 130% of upstream control station of the same day	
		DO in mg/L	2.55	2.43 (4)	
НС	C10 _	SS in mg/L		8.7 or > 120% of upstream control station of the same day	8.8 or > 130% of upstream control station of the same day
		Turbidity in NTU	20.06 or > 120% of upstream control station of the same day	21.07 or > 130% of upstream control station of the same day	

Notes:

- (1) The 1%-ile of baseline DO data at C1A is 6.61 mg/L, which is higher than 4 mg/L. Thus, DO concentration of 4 mg/L, which is in line with the Water Quality Objectives, is adopted as the limit level
- (2) The 1%-ile of baseline DO data at C5 is 8.09 mg/L, which is higher than 4 mg/L. Thus, DO concentration of 4 mg/L, which is in line with the Water Quality Objectives, is adopted as the limit level.
- (3) The 1%-ile of baseline DO data at C8 is 5.36 mg/L, which is higher than 4 mg/L. Thus, DO concentration of 4 mg/L, which is in line with the Water Quality Objectives, is adopted as the limit level.
- (4) The 1%-ile of baseline DO data at C10 is 2.43 mg/L, which is lower than 4 mg/L. Taking account of the baseline water quality condition and to minimise any false alarm of water quality deterioration during construction phase, DO concentration of 2.43 mg/L is adopted as the limit level.

2.9 Event and Action Plan

2.9.1 Should any non-compliance of the criteria occur, action in accordance with the Event and Action Plan in Appendix 2.2 shall be followed. Investigation of the exceedances of environmental quality performance limits should be conducted, and the ET will immediately notify the IEC and EPD, as appropriate. The notification should be followed up with advice to the IEC and EPD on the results of the investigation, proposed actions and success of the action taken, with any necessary follow-up proposals.

2.10 Results and Observations

- 2.10.1 Impact water quality monitoring was conducted as scheduled in the reporting month. The water quality monitoring schedule for this reporting month is shown in **Appendix 2.3**. The monitoring results and graphical presentation of water quality monitoring at the monitoring stations are shown in **Appendix 2.4**.
- 2.10.2 The schedule impact water quality monitoring on 5 May 2024 was cancelled due to adverse weather. Impact water quality monitoring on 21 May 2024 was only conducted at C9 and C10 due to the adverse weather.
- 2.10.3 After confirmation of exceedance of the water quality monitoring results, ET has issued Notification of Exceedance (NOE) to inform relevant parties (i.e., EPD, ER, IEC and Contractor) about the exceedances. Eleven (11) limit level exceedances for SS during impact water quality monitoring were recorded during reporting period. After investigation, exceedances recorded on 2/5, 7/5 and 14/5 were considered non-project related. Since the exceedances recorded on 16/5, 18/5, 23/5, 25/5, 28/5 and 30/5 are under investigation, the results of investigation will be presented on next monthly EM&A report. The summary of the exceedance records in impact water quality monitoring of the reporting month is summarized in Table 2.7 and the exceedances of impact water quality monitoring in the reporting Period is summarised in Table 2.8.

Table 2.7 Summary of Exceedance Records of Water Quality Monitoring in the Reporting Period

		_	Averaged	Exceedance		
Date	Station	Parameter (Unit)	Measured Value	Action Level (AL)	Limit Level (LL)	Exceedances due to the Project
	C1A	_	12.0		✓	NO
	C2		11.1			N/A (Control Monitoring Point)
	СЗА	SS	4.1			N/A (Control Monitoring Point)
02/05	C6	(mg/L)	7.2			N/A (Control Monitoring Point)
	C7A		7.8			N/A (Control Monitoring Point)
	C8	_	29.5		✓	NO NO
	C6		2.0			N/A (Control Monitoring Point)
07/05	C7A	SS - (mg/L)	7.1			N/A (Control Monitoring Point)
	C8	-	15.0		✓	NO
	C6		7.7			N/A (Control Monitoring Point)
14/05	C7A	SS - (mg/L)	8.1			N/A (Control Monitoring Point)
	C8	-	13.0		✓	NO
16/05	C6	SS (mg/L)	9.6			N/A (Control Monitoring Point)

			Exceed Averaged		dance	
Date	Station	Parameter (Unit)	Measured Value	Action Level (AL)	Limit Level (LL)	Exceedances due to the Project
	C7A		2.6			N/A
			3.6			(Control Monitoring Point)
	C8		11.0		✓	_(1)
	C6		4.2			N/A
			4.2			(Control Monitoring Point)
	C7.4		F 0			N/A
40/05	C7A	SS	5.9			(Control Monitoring Point)
18/05	C8	(mg/L)	26.5		✓	_(1)
	00		0.0			N/A
	C9	_	8.8			(Control Monitoring Point)
	C10		13.5		✓	_(1)
	22		- 0			N/A
	C6		5.9			(Control Monitoring Point)
	074	SS (mg/L)	7.4			N/A
00/05	C7A		7.1			(Control Monitoring Point)
23/05	C8		14.0		✓	_(1)
	00		F 4			N/A
	C9		5.1			(Control Monitoring Point)
	C10		12.0		✓	_(1)
	00		0.0			N/A
	C6	00	9.6			(Control Monitoring Point)
28/05	074	· SS - (mg/L)	0.4			N/A
	C7A	(mg/L)	6.1			(Control Monitoring Point)
	C8	_	22.9		✓	_(1)
			0.0			N/A
	C6	00	3.8			(Control Monitoring Point)
30/05		SS -	4.9			N/A
	C7A	(mg/L)				(Control Monitoring Point)
	C8	-	10.5		✓	_(1)
N.	to:		-			

Table 2.8 Summary of Exceedance Records of Water Quality Monitoring in the Reporting Period

Parameter	No. of non-project related exceedances ⁽¹⁾		Total No. of non- project related exceedances ⁽¹⁾	No. of exceedance related to the Project ⁽¹⁾		Total No. of exceedance related to the Project ⁽¹⁾
	AL	LL		AL	LL	FIOJECI
Dissolved Oxygen	0	0	0	0	0	0
Turbidity	0	0	0	0	0	0
Suspended Solids	0	4	4	0	0	0

Note:

⁽¹⁾ Since the exceedances recorded on 16/5, 18/5, 23/5, 25/5, 28/5 and 30/5 are under investigation, the results of investigation will be presented on next monthly EM&A report.

⁽¹⁾ Only exceedances recorded on 2/5, 7/5 and 14/5 are counted. Since the exceedances recorded on 16/5, 18/5, 23/5, 25/5, 28/5 and 30/5 are under investigation, the results of investigation will be presented on next monthly EM&A report.

- 2.10.4 Exceedances of limit levels on SS were recorded during the regular monitoring at C1A and C8 on 2 May 2024. There were no construction activities taking place at Sung Shan New Village on 2 May 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Lin Fa Tei. No accidental site runoff was reported on 2 May 2024 at Lin Fa Tei. Water bypasses were provided on-site to direct river water from upstream of the works area to downstream of the works area at Lin Fa Tei. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at 2 May 2024 on 8 May 2024. It is considered that the exceedances of limit levels of SS are not related to the Project.
- 2.10.5 Exceedance of limit level on SS was recorded during the regular monitoring at C8 on 7 May 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Lin Fa Tei. No accidental site runoff was reported on 7 May 2024 at Lin Fa Tei. Water bypass was provided on-site to direct stream water from upstream of the works area to downstream of the works area at Lin Fa Tei. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Lin Fa Tei on 8 May 2024. It is considered that the exceedance of limit level of SS is not related to the Project.
- 2.10.6 Exceedance of limit level on SS was recorded during the regular monitoring at C8 on 14 May 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Lin Fa Tei. No accidental site runoff was reported on 14 May 2024 at Lin Fa Tei. Water bypass was provided on-site to direct stream water from upstream of the works area to downstream of the works area at Lin Fa Tei. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Lin Fa Tei on 22 May 2024. It is considered that the exceedance of limit level of SS is not related to the Project.
- 2.10.7 For the outstanding cases of exceedances recorded 23/4, 25/4, 27/4 and 29/4 during the last reporting period, all the exceedances were considered non-project related after the investigation. The summary of the exceedances in impact water quality monitoring of the last reporting month is summarized in **Table 2.9**.

Table 2.9 Summary of Outstanding Exceedance Records of Water Quality Monitoring in the Last Reporting Period

			Averaged	Excee	dance	
Date	Station	Parameter (Unit)	Measured Value	Action Limit Level Level (AL) (LL)		Exceedances due to the Project
23/04	C9	SS (mg/L) –	7.5			N/A (Control Monitoring Point)
	C10	(mg/L) =	17.5		✓	NO
	C6		0.00			N/A
25/04		SS	8.20			(Control Monitoring Point)
	C7.4	(mg/L)	25.5			N/A
	C7A		35.5			(Control Monitoring Point)

		Doromotor	Exceedance Averaged		dance		
Date	Station	Parameter (Unit)	Measured Value	Action Level (AL)	Limit Level (LL)	Exceedances due to the Project	
	C8		36.5		✓	NO	
	C9		3.7			N/A (Control Monitoring Point)	
	C10		17.5		✓	NO	
	C6		9.3			N/A (Control Monitoring Point)	
27/04	C7A	SS (mg/L)	5.2			N/A (Control Monitoring Point)	
	C8		9.5		✓	NO	
	C1A	SS (mg/L)	13.0		✓	NO	
	C2		22.5			N/A (Control Monitoring Point)	
	СЗА		3.2			N/A (Control Monitoring Point)	
29/04	C6		1.3			N/A (Control Monitoring Point)	
	C7A		9.2			N/A (Control Monitoring Point)	
	C8		22.0		✓	NO	

- 2.10.8 Exceedance of limit level on SS was recorded during the regular monitoring at C10 on 23 April 2024. A geotextile was properly deployed onsite and a water bypass was deployed to direct river water from the upstream of work area to the downstream of work area at Ha Che. All rainfall water temporarily detained within the site was diverted to the sedimentation tank on site for treatment prior to discharge downstream of the works area. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Ha Che on 2 May 2024. It is considered that the exceedance of limit level of SS is not related to the Project.
- 2.10.9 Exceedances of limit levels on SS were recorded during the regular monitoring at C8 and C10 on 25 April 2024. Geotextiles were deployed at the boundary of the works areas as a mitigation measure to prevent runoff from site at Lin Fa Tei and Ha Che respectively. No accidental site runoff was reported on 25 April 2024 at Lin Fa Tei and Ha Che. Water bypasses were provided on-site to direct river water from upstream of the works area to downstream of the works area at Lin Fa Tei and Ha Che. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Ha Che on 2 May 2024 and Lin Fa Tei on 8 May 2024. It is considered that the exceedances of limit levels of SS are not related to the Project.

- 2.10.10 Exceedance of limit level on SS was recorded during the regular monitoring at C8 on 27 April 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Lin Fa Tei. No accidental site runoff was reported on 27 April 2024 at Lin Fa Tei. Water bypass was provided on-site to direct stream water from upstream of the works area to downstream of the works area at Lin Fa Tei. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Lin Fa Tei on 8 May 2024. It is considered that the exceedance of limit level of SS is not related to the Project.
- 2.10.11 Exceedances of limit levels on SS were recorded during the regular monitoring at C1A and C10 on 29 April 2024. There were no construction activities taking place at Sung Shan New Village on 29 April 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Ha Che. No accidental site runoff was reported on 29 April 2024 at Ha Che. Water bypasses were provided on-site to direct river water from upstream of the works area to downstream of the works area at Ha Che. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Ha Che on 2 May 2024. It is considered that the exceedances of limit levels of SS are not related to the Project.

3 Noise

3.1 Monitoring Locations

3.1.1 The monitoring locations for construction noise monitoring are listed in **Table 3.1** and shown in **Figure 3.1a** to **Figure 3.1d**.

Table 3.1 Noise Monitoring Stations during Construction Phase

ID No. ⁽¹⁾	Location	Nature of Uses	Type of Measurement
SSNV_M2	Village house next to a nullah in Tong Tai Po Tsuen (near DD118 1720 S.A)	Residential	Façade
SSNV_M3	Village house near a soybean sauce factory in Sung Shan New Village (near DD118 1712)	Residential	Façade
SSNV_M6	#43, Sung Shan New Village	Residential	Free-field
TW_M2	#200, Cheung Po	Residential	Free-field
TW_M3	Kai Yip Garden, #3H, Tai Wo	Residential	Free-field
LFT_M1	#2G, Lin Fa Tei	Residential	Façade
LFT_M3A (2)	Near #125B, Lin Fa Tei	Residential	Free-field
LFT_M5	#156B, Lin Fa Tei	Residential	Façade
LFT_M7	Village house near the nullah (DD112 699 S.E)	Residential	Façade
LFT_M11 (2)	#210, Ngau Keng Tsuen	Residential	Façade
HC_M3A (2)	Next to DD111 326 S.B RP near Fan Kam Road	-	Free-field
HC_M4	#1C, Chuk Hang	Residential	Façade
HC_M6	The Arbutus House 12, #52, Shui Kan Shek	Residential	Façade

Notes:

3.2 Noise Monitoring Parameter, Frequency and Duration

- 3.2.1 Construction noise level was measured by the ET and measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). L_{eq(30mins)} used as the monitoring parameter for the construction noise monitoring.
- 3.2.2 As supplementary information for data auditing, statistical results such as L10 and L90 were also obtained for reference.
- 3.2.3 **Table 3.2** summarizes the monitoring parameters, duration, and frequency of construction noise monitoring.

⁽¹⁾ SSNV - Sung Shan New Village; TW - Tai Wo; LFT - Lin Fa Tei; HC - Ha Che.

⁽²⁾ LFT_M3A, LFT_M11, HC_M3A and are alternative noise monitoring stations proposed to replace LFT_M3, LFT_M13 and HC_M3, respectively.

Table 3.2 Construction Noise Monitoring Parameter, Frequency and Duration

Monitoring Station	Parameter	Frequency and Duration
HC_M3A, HC_M4, HC_M6, TW_M2, TW_M3, LFT_M1, LFT_M3A, LFT_M5, LFT_M7 and LFT_M11	L _{eq(30mins)} (as a logarithmic average of 6 consecutive L _{eq(5mins)})	Once every week throughout the construction phase

3.3 Monitoring Equipment, Methodology and QA / QC Procedure

- 3.3.1 As referred to the technical memorandum issued under the Noise Control Ordinance (NCO), sound level meters in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications were used for carrying out the construction noise monitoring.
- 3.3.2 Noise measurements were not made in fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed was checked with a portable wind speed meter capable of measuring the wind speed in m/s.
- 3.3.3 Sufficient numbers of noise measuring equipment and associated instrumentation were prepared by the ET. All the equipment and associated instrumentation were clearly labelled.
- 3.3.4 Wind data were collected from the records of Hong Kong Observatory Shek Kong Weather Station, which is about 2 km south-west of Ha Che and about 900 m north of Lin Fa Tei.
- 3.3.5 The monitoring procedures are as follows:
 - For façade measurement, the monitoring station was set at a point 1 m from the exterior of the sensitive receivers building façade and set at a position 1.2 m above the ground. For free-field measurement, the monitoring station was set at a position 1.2 m above the ground.
 - The battery condition was checked to ensure good functioning of the meter.
 - Parameters such as frequency weighting, the time weighting and the interval were set as follows:
 - Frequency weighting: A
 - Time weighting: Fast
 - Interval: 30 minutes ($L_{eq(30mins)}$) would be determined for daytime noise by calculating the logarithmic average of six $L_{eq(5mins)}$ data
 - Prior to and after each noise measurement, the meter was calibrated using an acoustic calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement was considered invalid and repeat of noise measurement will be required after re-calibration or repair of the equipment.
 - At the end of the monitoring period, the values of L_{eq}, L90 and L10 were recorded. In addition, noise sources were recorded on a standard record sheet.

3.3.6 **Table 3.3** summarizes the noise monitoring equipment used during the construction noise monitoring. Calibration certificates for the impact noise monitoring equipment are attached in **Appendix 3.1**.

Table 3.3 Construction Noise Monitoring Equipment

Equipment	Model	No. of Equipment	Serial No.
Sound Level Meter	Sound Level Meter Svantek SVAN 971 2		96062
Sound Level Meter	Svanlek SvAN 971	2	C132269
Acoustic Calibrator	Rion NC-75	1	34724244

3.4 Maintenance and Calibration

- 3.4.1 Maintenance and calibration procedures are as follows:
 - The microphone head of the sound level meter and calibrator were regularly cleaned with a soft cloth; and
 - The sound level meter and acoustic calibrator were calibrated annually by a HOKLAS accredited laboratory or the manufacturer.

3.5 Action and Limit Levels

3.5.1 The Action and Limit levels were established in accordance with the approved EM&A Manual. Table 3.4 presents the Action and Limit Levels for construction noise. Should non-compliance of the criteria occur, action in accordance with the Event and Action Plan presented in Appendix 3.2 shall be carried out.

Table 3.4 Action and Limit Levels for Construction Noise Monitoring

- and the state of				
Time Period	Action	Limit Level		
07:00 - 19:00 on normal weekdays	•			
07:00 – 23:00 on holidays; and	When one or more documented complaints are received	45 dB(A) ⁽²⁾		
19:00 – 23:00 on all other days				
23:00 – 07:00 of the next day		30 dB(A) ⁽²⁾		

Notes:

- (1) Between 07:00 and 19:00, construction noise limit for school during normal term time is 70 dB(A) and 65 dB(A) during examination period.
- (2) The ASR of identified noise sensitive receivers is "A", which is a rural area that is not affected by the in Influencing Factors (Ifs). The limit levels are stipulated in the Technical Memorandum on Noise from Construction Work in Designated Areas.

3.6 Results and Observations

- 3.6.1 The construction noise monitoring was conducted on 3, 10, 17, 24 and 31 May 2024. The monitoring schedule is presented in **Appendix 2.3**.
- 3.6.2 The construction noise monitoring results are summarized in **Table 3.5**. No Action or Limit levels exceedance was recorded in the reporting period. Details of the results and graphical presentation are shown in **Appendix 3.3**.

Table 3.5 Summary of Construction Noise Monitoring Results

Noise Level, dB(A)					
Monitoring Station	L _{eq(30mir}	L _{eq} (30mins)			
	Minimum	Maximum			
SSNV_M2	59.4	60.2	75 dB(A)		
SSNV_M3	63.0	64.0	75 dB(A)		
SSNV_M6 ⁽¹⁾	63.0	63.3	75 dB(A)		
HC_M3A ⁽¹⁾	69.3	72.6	75 dB(A)		
HC_M4	59.1	59.4	75 dB(A)		
HC_M6	57.6	58.2	75 dB(A)		
LFT_M1	58.0	60.3	75 dB(A)		
LFT_M3A ⁽¹⁾	65.1	66.2	75 dB(A)		
LFT_M5	61.2	62.8	75 dB(A)		
LFT_M7 ⁽²⁾	-	-	75 dB(A)		
LFT_M11	64.4	66.5	75 dB(A)		

Note:

- (1) For Free Field measurement, +3 dB(A) was added to the measured results.
- (2) Noise monitoring at LFT_M7 has been suspended since 27 March 2024 due to the objection from property management office for providing access to designated monitoring location. The property management office formally refused our application of access right LFT_M7 on 29 May 2024. A proposal for alternative noise monitoring location replacing LFT_M7 at Lin Fa Tei was submitted to Independent Environmental Checker (IEC) and Engineer for their approval.
- 3.6.3 During the construction noise monitoring period, the influencing factors which may affect the results are summarized in **Table 3.6**.

Table 3.6 Influencing Factors at Noise Monitoring Stations

Monitoring Stations	Influencing Factors
SSNV_M2	Nil
SSNV_M3	Nil
SSNV_M6	Nil
HC_M3A	Road Traffic Noise
HC_M4	Road Traffic Noise
HC_M6	Road Traffic Noise
LFT_M1	Nil
LFT_M3A	Nil
LFT_M5	Road Traffic Noise
LFT_M7	Nil
LFT_M11	Road Traffic Noise

4 Ecology

4.1 Freshwater Crab

4.1.1 With reference to the approved EIA Report (Register No.: AEIAR-229/2021), two freshwater crab species of conservation importance were recorded within the work sites during the ecological baseline survey. Somanniathelphusa zanklon was recorded at Lin Fa Tei and Ha Che, while Cryptopotamon anacoluthon was recorded in the upstream area at Ha Che. Both species are endemic to Hong Kong and considered to be "Endangered" and "Vulnerable" by the IUCN respectively (IUCN 2023). The construction activities of the project will disturb their natural habitats and potentially causing a direct loss of these two species due to their limited mobility.

Freshwater Crab Translocation Plan

4.1.2 Freshwater Crab Translocation Plan (FCTP) was prepared by an Ecologist with relevant experience in freshwater habitats and submitted to the EPD and the AFCD for their approval under Condition 2.8 of the EP. Any aquatic species of conservation importance found during the pre-construction surveys were translocated to suitable receptor sites outside of the proposed works area, and their condition and number was monitored to ensure their long-term survivorship after translocation. The EPD advised no further comment on the submitted FCTP on 9 February 2024.

Pre-construction Survey Results

Ha Che

- 4.1.3 The pre-construction survey was carried out at Ha Che on 5, 6 and 7 February 2024 prior to the commencement of construction works at Ha Che. A total of 11 freshwater crabs were collected, marked, and translocated from Ha Che. All these captured individuals were observed on the first (5 February 2024) and third (7 February 2024) nights of the three consecutive preconstruction surveys. No crabs were collected on 6 February 2024. Seven *C. anacoluthon* (four males and three females) were found particularly on the upper section of the works area within rocky substratum and leaf-litters, while four *S. zanklon* were noted on sections with soft silty-muddy substrate.
- 4.1.4 The captured endemic freshwater crabs were translocated to the identified receptor sites indicated in the approved Freshwater Crab Translocation Plan. *C. anacoluthon* were translocated in the section of shallow fast-flowing semi-natural watercourse with rocky substratum located south-east of Chuk Hang Village. Meanwhile *S. zanklon* were translocated to the section of shallow slow-flowing seminatural channel characterised soft soil substrate encompassed by a small patch of woodland and village houses. The receptor sites have comparable characteristics with the collection site.

4.1.5 Several aquatic invertebrates were also incidentally caught during the surveys. Among the observed aquatic invertebrates, larvae of species with conservation importance namely one *Macromia berlandi*, two *Macromia urania* and two *Zygonyx iris* were translocated to the proposed receptor sites. *M. urania* and *M. berlandi* were translocated to the receptor site for *S. zanklon* while *Z. iris* to the receptor site of *C. anacoluthon*.

Lin Fa Tei (CH.A0.00 ~ CH.A200.00)

- 4.1.6 The pre-construction survey was carried out at Lin Fa Tei in sections CH.A0.00 ~ CH.A200.00 on 11, 12 and 13 March 2024 prior to the commencement of construction works at Lin Fa Tei in sections CH.A0.00 ~ CH.A200.00. A freshwater crab was collected, marked, and translocated from Lin Fa Tei. The captured individuals were observed on the third (13 March 2024) night of the three consecutive pre-construction surveys. No crabs were collected on 11 and 12 March 2024. The captured *C. anacoluthon* was found by kick sampling within the stream bed roughly 5 meters downstream from the concrete water gate within section CH.A0.00 ~ CH.A200.00.
- 4.1.7 The captured endemic freshwater crab was translocated to the identified receptor site indicated in the approved Freshwater Crab Translocation Plan. The captured *C. anacoluthon* was translocated to a section of a shallow slow-flowing seminatural watercourse with silt and rocky substrate surrounded by agricultural lands at Lin Fa Tei which has comparable characteristics with the collection site.
- 4.1.8 A single individual of an adult Spotted Narrow-mouthed Frog was found on a slope in the eastern section of section CH.A0.00 ~ CH.A200.00. As the specimen is mobile and able to avoid the construction area once the construction work commences, it was not translocated to the receptor site.

Lin Fa Tei (CH.A200.00 ~ CH.A500.00 and CH.B0.00 ~ CHB.149.77)

- 4.1.9 The pre-construction survey was carried out at Lin Fa Tei in sections CH.A200.00 ~ CH.A500.00 and CH.B0.00 ~ CHB.149.77 on 17, 18 and 19 April 2024 prior to the commencement of construction works at Lin Fa Tei in sections CH.A200.00 ~ CH.A500.00 and CH.B0.00 ~ CHB.149.77. No freshwater crab was collected during the pre-construction survey.
- 4.1.10 Two individuals of adult Spotted Narrow-mouthed Frog were found during the surveys. As this specimen is mobile and able to avoid the construction area once the construction work commences, it was not translocated to the receptor site. The specimens were brought to nearby agricultural lands instead, which is the preferred habitat of the species.

Post-translocation Monitoring

4.1.11 According to Section 5.2.5 of the approved EM&A Manual for the Project, monthly post-translocation monitoring shall be conducted for at least 12 months after pre-construction surveys to monitor their establishment.

- 4.1.12 During the monitoring, active visual search by hand netting and kick sampling for aquatic fauna species would be performed at the respective receptor sites. Potential micro-habitats and hiding spaces that is favoured by the crabs such as rocks, organic debris, leaf litter, and riparian vegetation etc., will also be overturned or raked.
- 4.1.13 Upon discovery of any marked individuals from the pre-construction survey, date and time of capture, size and health condition of the individual will also be recorded once again.
- 4.1.14 The practice of mark and recapture of the translocated population of *S. zanklon* and *C. anacoluthon* at the receptor site can then be used to estimate population size, as well as inform the health and survival status of the translocated population.
- 4.1.15 The upper and lower receptor sites of Ha Che and receptor site of Lin Fa Tei were visited on 28 May 2024 to monitor the population of freshwater crabs translocated from Ha Che CH.A11.13~CH.A300.00, and Lin Fa Tei CH.A0.00~CH.A200.00 and CH.C117.50 ~ CH.D239.03.
- 4.1.16 Site conditions of both receptor sites are similar to that during the pre-construction survey, i.e., no pollution, anthropogenic disturbance or change in vegetation was observed. Representative photos of the site conditions are presented in **Plate 4.1**.

Plate 4.1 Site condition of receptor sites at Ha Che and Lin Fa Tei during the reporting month



Receptor site for *Cryptopotamon anacoluthon* (Upper Receptor Site) at Ha Che



Receptor site for Somanniathelphusa zanklon (Lower Receptor Site) at Ha Che





Receptor site for Cryptopotamon anacoluthon and Somanniathelphusa zanklon at Lin Fa Tei

- 4.1.17 None of the translocated individuals from the pre-construction survey was found in the upper and lower receptor sites of Ha Che or the receptor site of Lin Fa Tei. The inability to recapture the translocated individuals could be due to the structural complexity of the habitats of both sites. The many rocks and riffles at the upper Ha Che receptor site and large and deep pools of water in the lower Ha Che and Lin Fa Tei receptor sites provides excellent refuge and protection for the crabs.
- 4.1.18 No individuals of *Cryptopotamon anacoluthon* and *Somanniathelphusa zanklon* without markings were also incidentally found in all three of the receptor sites either, which may be a result of continuous rainfall and increased waterflow flushing stream fauna away in the week prior to the monitoring.

4.2 Habitat Compensation for the Affected Riverine Habitat

- 4.2.1 In order to ensure the reinstated habitat could compensate the loss of the important riverine habitat, Habitat Creation and Management Plan (HCMP) is required to be submitted for EPD and AFCD approval under Condition 2.9 of the EP.
- 4.2.2 The first draft of HCMP was submitted to EPD and AFCD on 22 December 2023 with the following objectives:
 - detail the approach and design features for restoring/ reinstating the three green channels
 at Sung Shan New Village, Lin Fa Tei and Ha Che so as to facilitate and promote the
 colonisation of the freshwater crab and other wildlife after the reinstatement; and
 - detail the monitoring programme to monitor the physical environment of the restored/reinstated channels (i.e. green channels) including water quality, water current, as well as the establishment of riparian vegetation and the biota assemblage that would recolonise the reinstated channel.
- 4.2.3 Following comments from the EPD and AFCD dated 17 January 2024, the revised HCMP was submitted to EPD and AFCD for further review. Further comment was received from EPD on 27 May 2024, the HCMP is pending for revision.

5 Waste Management

- 5.1.1 Waste generated from the Project include inert construction and demolition (C&D) materials and non-inert C&D wastes in the reporting period. The amount of waste generated by the construction works of the Project during the reporting period are shown in **Appendix 5.1**.
- 5.1.2 Sorting of construction and demolition (C&D) materials was carried out on site. Sufficient numbers of receptacles were provided for general refuse collection and sorting. Excavated inert C&D materials were reused to minimize the disposal of C&D waste to public fill.
- 5.1.3 The Contractor is advised to minimize the wastes generated through recycling or reusing. All applicable mitigation measures stipulated in the approved EM&A Manual and waste management plans will be fully implemented.

6 Land Contamination

- 6.1.1 With reference to results of land contamination assessment included in the approved EIA Report (Register No.: AEIAR-229/2021), all identified sites with potential contamination are located outside the work area of the Project and no potential contamination arising from the proposed drainage improvement works is anticipated. Therefore, no land contamination issue is anticipated for this Project.
- 6.1.2 Mitigation measures listed in **Appendix 1.3** should be adopted if any suspended contamination encountered during construction.
- 6.1.3 No suspected on-site contamination was observed or reported by the Contractor in the reporting period.

7 Landscape and Visual

7.1 Audit Requirements

7.1.1 According to the approved EM&A Manual, site audits should be undertaken every week during the construction phase to check that the proposed landscape and visual mitigation measures are properly implemented and maintained as per their intended objectives. Mitigation measures recommended in the EIA Report as the audit requirements including, preservation of existing vegetation, transplanting of affected trees, compensatory tree planting, control of night-time lighting glare, erection of decorative screen hoarding and management of construction activities and facilities are summarized in **Appendix 1.3**.

7.2 Results and Observations

- 7.2.1 To monitor and audit the implementation of landscape and visual mitigation measures, five weekly landscape and visual site audits were carried out on 2, 8, 16, 22 and 29 May 2024.
- 7.2.2 No deficiency in the mitigation measures on landscape and visual was observed during the reporting period.

8 Cultural Heritage

8.1 Archaeology

- 8.1.1 According to the assessment included in the approved EIA report (Register No.: AEIAR-229/2021) the proposed drainage works in the Lin Fa Tei area are located immediately adjacent to existing river course on mainly Pleistocene terraced alluvium and the western end of the alignment on Holocene alluvium between Lin Fa Tei Site of Archaeological Interest (SAI) and Shui Lau Tin SAI. The proposed works are partially located within Lin Fa Tei SAI. Previous investigations within SAI have shown both in situ and secondary deposit and with potential for wooden features near the stream bed. As per the recommendation from EIA report, Archaeological Survey shall be conducted prior to the construction works, the concerned area is marked in **Figure 8.1**.
- 8.1.2 A qualified archaeologist shall be engaged and apply for a licence under the Antiquities and Monuments Ordinance (Cap. 53) to conduct the Archaeological Survey prior to the construction phase. The scope and methodology of the Archaeological Survey shall be agreed with Antiquities and Monuments Office (AMO) prior to implementation. Tentatively and subject to agreement with AMO, a fieldscan, where possible, twenty auger tests and four 5 by 1m narrow trenches are proposed to further assess the archaeological potential of the area. If significant remains are uncovered, AMO should be notified and potential need for mitigation and/ or an appropriate way forward should be agreed by AMO and relevant parties.
- 8.1.3 For remaining drainage work areas (outside the area identified for Archaeological Survey) deemed to have limited (near Kam Sheung Road) to minimal (remainder of Works Areas) archaeological potential, AMO shall be informed immediately if antiquities or supposed antiquities are discovered during construction works for the proposed drainage improvement works for ascertaining required remedial works.

8.2 Built Heritage

- 8.2.1 According to the approved EM&A manual, mitigation measures that should be implemented during the construction phase for graded historic buildings are presented in **Table 8.1**.
- 8.2.2 Condition surveys were carried out by qualified structural engineer for Lee Tat Bridge, Lan Fong Study Hall and St John's Chapel prior to construction works. The Pre-construction Condition Survey Report were submitted to the EPD on 22 December 2023 under Condition 2.10 of the EP.

Table 8.1 Mitigation Measures for Impacted Graded Historic Buildings

Graded Historic Buildings	Mitigation Measures
Lee Tat Bridge, Shui Tsan Tin (Grade 3)	A condition survey should be carried out in advance of works and after completion of works by qualified building surveyor or structural engineer. The Condition Survey Report should contain descriptions of the structure, identification of fragile elements, an appraisal of the condition and working methods for any proposed monitoring and precautionary measures that are or were recommended with aid of photo records. The condition survey report must be submitted to the AMO for comment before construction activities commence and after the works have been completed. The contractor should implement
Lan Fong Study Hall, Chuk Hang (Grade 3)	 Vibration, settlement and tilting monitoring should be undertaken during the construction works to ensure that safe levels of vibration are not exceeded. An Alert, Alarm and Action (AAA) vibration limit set at 5 / 6 / 7.5 mm/s for Grade 3
St John's Chapel, Cheung Po (Grade 2)	historic buildings, settlement limit set at 6/ 8/ 10mm, and tilting limit set at 1/2000; 1/1500; 1/1000 should be adopted. Monitoring proposal, including checkpoint locations, installation details, response actions for each of the AAA levels and frequency of monitoring should be submitted for AMO's consideration. Installation of monitoring checkpoints shall be carried out in great care and adequate protection shall be provided so as to avoid unnecessary disturbance/ damage to the historic fabrics. Photo records of monitoring checkpoints shall be submitted upon installation for AMO's records. Monitoring records should be submitted to AMO on regular basis and alert AMO should the monitoring reach AAA levels.

9 Environmental Site Inspection and Audit

9.1 Implementation Status of Environmental Mitigation Measures

9.1.1 Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, site inspections were carried out on 2, 8, 16, 22 and 29 May 2024 at the site portions listed in **Table 9.1** below.

Table 9.1 Site Inspection Record

Date	Inspected Site Portion	Time
2 May 2024	Ha Che	14:30 pm – 15:00 pm
8 May 2024	Lin Fa Tei and Ha Che	14:30 pm – 15:00 pm
16 May 2024	Ha Che	14:30 pm – 15:00 pm
22 May 2024	Lin Fa Tei and Ha Che	14:30 pm – 15:00 pm
29 May 2024	Lin Fa Tei	14:30 pm – 15:00 pm

9.1.2 Environmental deficiencies were observed during weekly site inspection. Key observations during the site inspections and during the reporting period are summarized in **Table 9.2**.

Table 9.2 Site Observations

Table 9.2 Site Observations			
Date	Environmental Observations	Follow-up Status	
	Observation(s) and Recommendation(s)		
	Ha Che:	Ha Che:	
2 May 2024	The stagnant water should be removed regularly.	The stagnant water had been removed regularly.	
	The oily stagnant water should be disposed as "chemical waste".	The oily stagnant water had been disposed as "chemical waste".	
8 May 2024	Observation(s) and Recommendation(s)		
	Nil	Nil	
	Observation(s) and Recommendation(s)		
	Ha Che:	Ha Che:	
16 May 2024	 Geotextile at the site boundary should be well maintained and deployed at the right position. 	 Geotextile at the site boundary had been well maintained and deployed at right position. 	
	 Effluent should be directed to sedimentation tank for treatment before discharge in accordance with discharge license requirement. 	 Effluent had been directed to sedimentation tank for treatment before discharge in accordance with discharge license requirement. 	
22 May 2024	Observation(s) and Recommendation(s)		
	Nil	Nil	
	Observation(s) and Recommendation(s)		
29 May 2024			
20 May 2024			

9.1.3 According to the EIA Study Report, Environmental Permit, contract documents and approved EM&A Manual, the mitigation measures detailed in the documents should be implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in Appendix 1.3.

10 Summary of Monitoring Exceedance, Complaints, Notification of Summons and Prosecutions

10.1 Summary of Exceedance

- 10.1.1 During the reporting month, eleven (11) limit level exceedances for SS during impact water quality monitoring were recorded. After investigation, exceedances recorded on 2/5, 7/5 and 14/5 were considered non-project related. Since the exceedances recorded on 16/5, 18/5, 23/5, 25/5, 28/5 and 30/5 are under investigation, the results of investigation will be presented on next monthly EM&A report.
- 10.1.2 Exceedances of limit levels on SS were recorded during the regular monitoring at C1A and C8 on 2 May 2024. There were no construction activities taking place at Sung Shan New Village on 2 May 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Lin Fa Tei. No accidental site runoff was reported on 2 May 2024 at Lin Fa Tei. Water bypasses were provided on-site to direct river water from upstream of the works area to downstream of the works area at Lin Fa Tei. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at 2 May 2024 on 8 May 2024. It is considered that the exceedances of limit levels of SS are not related to the Project.
- 10.1.3 Exceedance of limit level on SS was recorded during the regular monitoring at C8 on 7 May 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Lin Fa Tei. No accidental site runoff was reported on 7 May 2024 at Lin Fa Tei. Water bypass was provided on-site to direct stream water from upstream of the works area to downstream of the works area at Lin Fa Tei. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Lin Fa Tei on 8 May 2024. It is considered that the exceedance of limit level of SS is not related to the Project.
- 10.1.4 Exceedance of limit level on SS was recorded during the regular monitoring at C8 on 14 May 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Lin Fa Tei. No accidental site runoff was reported on 14 May 2024 at Lin Fa Tei. Water bypass was provided on-site to direct stream water from upstream of the works area to downstream of the works area at Lin Fa Tei. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Lin Fa Tei on 22 May 2024. It is considered that the exceedance of limit level of SS is not related to the Project.
- 10.1.5 No Action Level or Limit Level exceedance was recorded for construction noise monitoring in the reporting period.

- 10.1.6 For the outstanding cases of exceedances recorded 23/4, 25/4, 27/4 and 29/4 during the last reporting period, all the exceedances were considered non-project related after the investigation.
- 10.1.7 Exceedance of limit level on SS was recorded during the regular monitoring at C10 on 23 April 2024. A geotextile was properly deployed onsite and a water bypass was deployed to direct river water from the upstream of work area to the downstream of work area at Ha Che. All rainfall water temporarily detained within the site was diverted to the sedimentation tank on site for treatment prior to discharge downstream of the works area. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Ha Che on 2 May 2024. It is considered that the exceedance of limit level of SS is not related to the Project.
- 10.1.8 Exceedances of limit levels on SS were recorded during the regular monitoring at C8 and C10 on 25 April 2024. Geotextiles were deployed at the boundary of the works areas as a mitigation measure to prevent runoff from site at Lin Fa Tei and Ha Che respectively. No accidental site runoff was reported on 25 April 2024 at Lin Fa Tei and Ha Che. Water bypasses were provided on-site to direct river water from upstream of the works area to downstream of the works area at Lin Fa Tei and Ha Che. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Ha Che on 2 May 2024 and Lin Fa Tei on 8 May 2024. It is considered that the exceedances of limit levels of SS are not related to the Project.
- 10.1.9 Exceedance of limit level on SS was recorded during the regular monitoring at C8 on 27 April 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Lin Fa Tei. No accidental site runoff was reported on 27 April 2024 at Lin Fa Tei. Water bypass was provided on-site to direct stream water from upstream of the works area to downstream of the works area at Lin Fa Tei. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Lin Fa Tei on 8 May 2024. It is considered that the exceedance of limit level of SS is not related to the Project.
- 10.1.10 Exceedances of limit levels on SS were recorded during the regular monitoring at C1A and C10 on 29 April 2024. There were no construction activities taking place at Sung Shan New Village on 29 April 2024. A geotextile was deployed at the boundary of the works area as a mitigation measure to prevent runoff from site at Ha Che. No accidental site runoff was reported on 29 April 2024 at Ha Che. Water bypasses were provided on-site to direct river water from upstream of the works area to downstream of the works area at Ha Che. Since sufficient measures for preventing contamination of downstream water were well implemented and no deficiency in mitigation measures for preventing site runoff was observed during weekly site inspection at Ha Che on 2 May 2024. It is considered that the exceedances of limit levels of SS are not related to the Project.

10.2 Summary of Environmental Non-Compliance

10.2.1 No environmental non-compliance was recorded in the reporting period.

10.3 Summary of Environmental Complaint

10.3.1 No environmental complaint was received in the reporting period. The Cumulative Complaint Log is presented in Appendix 10.1.

10.4 Summary of Environmental Summon and Successful **Prosecution**

10.4.1 There was no successful environmental prosecution or notification of summons received since the Project commencement. The Cumulative Log for environmental summon and successful prosecution is presented in **Appendix 10.1**.

11 Future Key Issues

11.1 Works and Potential Environmental Issues in the next Reporting Period

- 11.1.1 The construction programme for the Project for the next reporting period is presented in **Appendix** 11.1.
- 11.1.2 Works to be undertaken in the next reporting period are summarized below:

Ha Che

- Site Clearance Work
- Lifting Operation;
- Plant Operation;
- Excavation;
- Sheet Piling; and
- Installation of Precast Unit

Lin Fa Tei

- Site Clearance Work
- Lifting Operation;
- Plant Operation;
- Excavation; and
- Sheet Piling

Sung Shan New Village

- Site Clearance
- 11.1.3 Potential environmental impacts arising from the above construction activities are mainly associated with construction noise impact, water quality impact, ecological impact, waste management, and landscape and visual.

11.2 Recommendation

11.2.1 The key environmental mitigation measures for the Project in the coming reporting period expected to be associated with the construction activities include:

Noise

- Only well-maintained plant should be operated on-site, and plant should be maintained regularly during the construction programme; and
- Quality Powered Mechanical Equipment (QPME) should be adopted as far as possible.

Water Quality

- Surface run-off from construction sites should be discharged into dedicated discharge point via adequately designed sand/ silt removal facilities;
- Channels/ earth bunds/ sandbags barriers should be provided on site to properly direct stormwater to silt removal facilities;
- Silt removal facilities, channels and manholes should be maintained, and the deposited silt and grit should be removed regularly;
- Open stockpiles of construction materials on sites should be covered with tarpaulin or similar fabric during rainstorms; and
- Perimeter channels should be provided on site boundaries where necessary to intercept stormwater run-off from outside the site so that it will not wash across the site.

Waste Management

- Provision of sufficient waste disposal points and regular collection of waste;
- Regular cleaning and maintenance programme for drainage system; and
- Chemical containers shall be stored with drip tray underneath.

Ecology

- Minimize loss of habitats and associated wildlife; and
- Using directional lighting to prevent excessive light spill into adjacent natural habitat and disturbance to nocturnal fauna.

Landscape and Visual

- Construction activities shall be carefully designed to minimize impact on existing retained trees;
 and
- Adequate tree protection measures shall be provided for the trees to be retained on site.
- 11.2.2 The tentative schedule of regular construction noise and water quality monitoring in the next reporting period is presented in **Appendix 11.1**. The regular impact noise and water quality monitoring will be conducted at the same monitoring locations in the next reporting period.

12 Conclusions

12.1 Conclusion

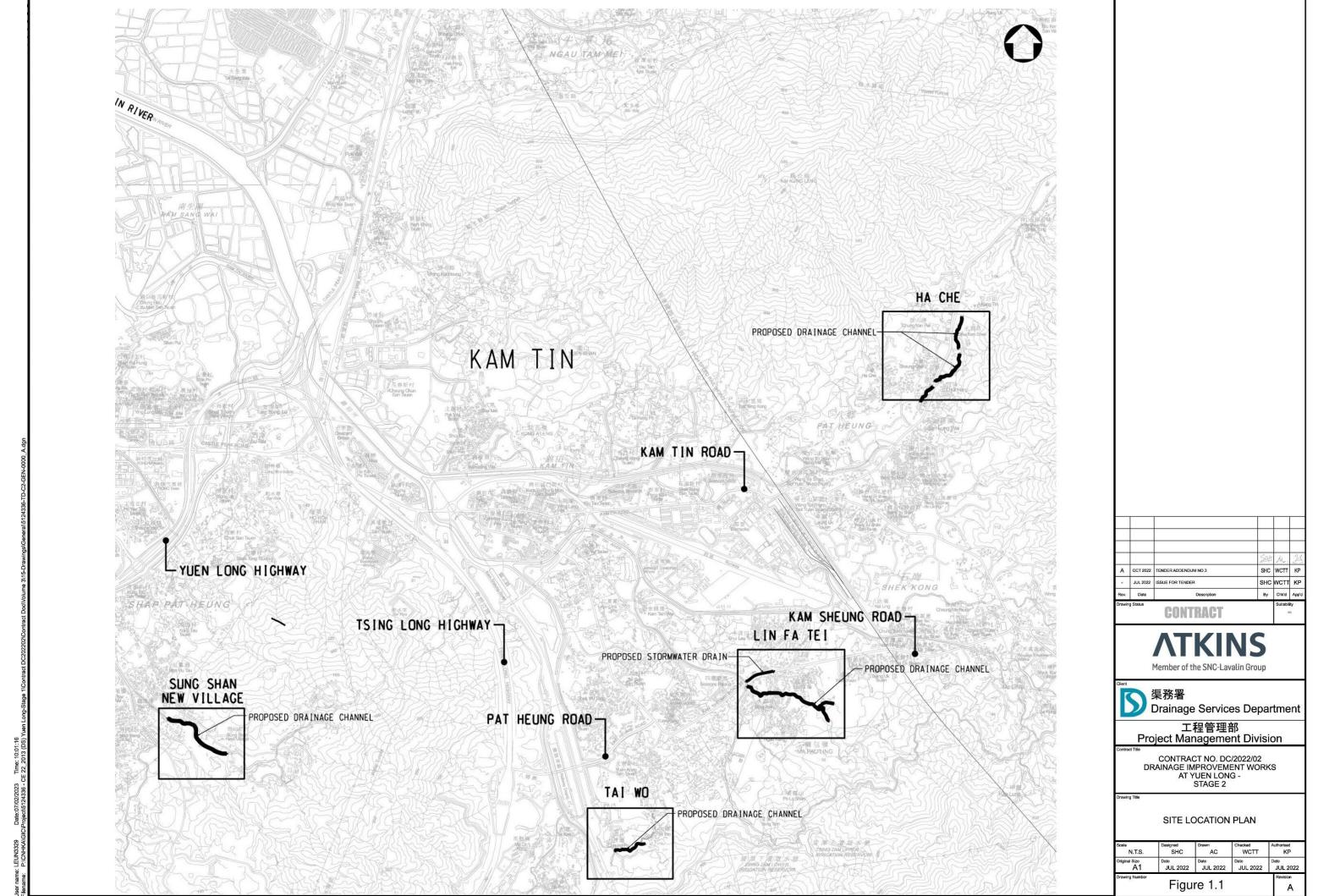
- 12.1.1 This 4th Monthly EM&A Report presents the EM&A works during the reporting period from 1 May 2024 to 31 May 2024 in accordance with the approved EM&A Manual.
- 12.1.2 Eleven (11) limit level exceedances for SS during impact water quality monitoring were recorded during reporting period. After investigation, exceedances recorded on 2/5, 7/5 and 14/5 were considered non-project related. Since the exceedances recorded on 16/5, 18/5, 23/5, 25/5, 28/5 and 30/5 are under investigation, the results of investigation will be presented on next monthly EM&A report.
- 12.1.3 For the exceedances recorded 23/4, 25/4, 27/4 and 29/4 during the last reporting period, all the exceedances were considered non-project related after the investigation.
- 12.1.4 No Action Level or Limit Level exceedance was recorded for construction noise monitoring in the reporting period.
- 12.1.5 Environmental site inspections were conducted on 2, 8, 16, 22 and 29 May 2024 by the ET in the reporting period.
- 12.1.6 No environmental complaint was received in the reporting period.
- 12.1.7 No notification of summons and prosecution was received in the reporting period.
- 12.1.8 The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

12.2 Comments/ Recommendations

12.2.1 The proposed mitigation measures were properly implemented and were considered effective and efficient in pollution control.

Figures

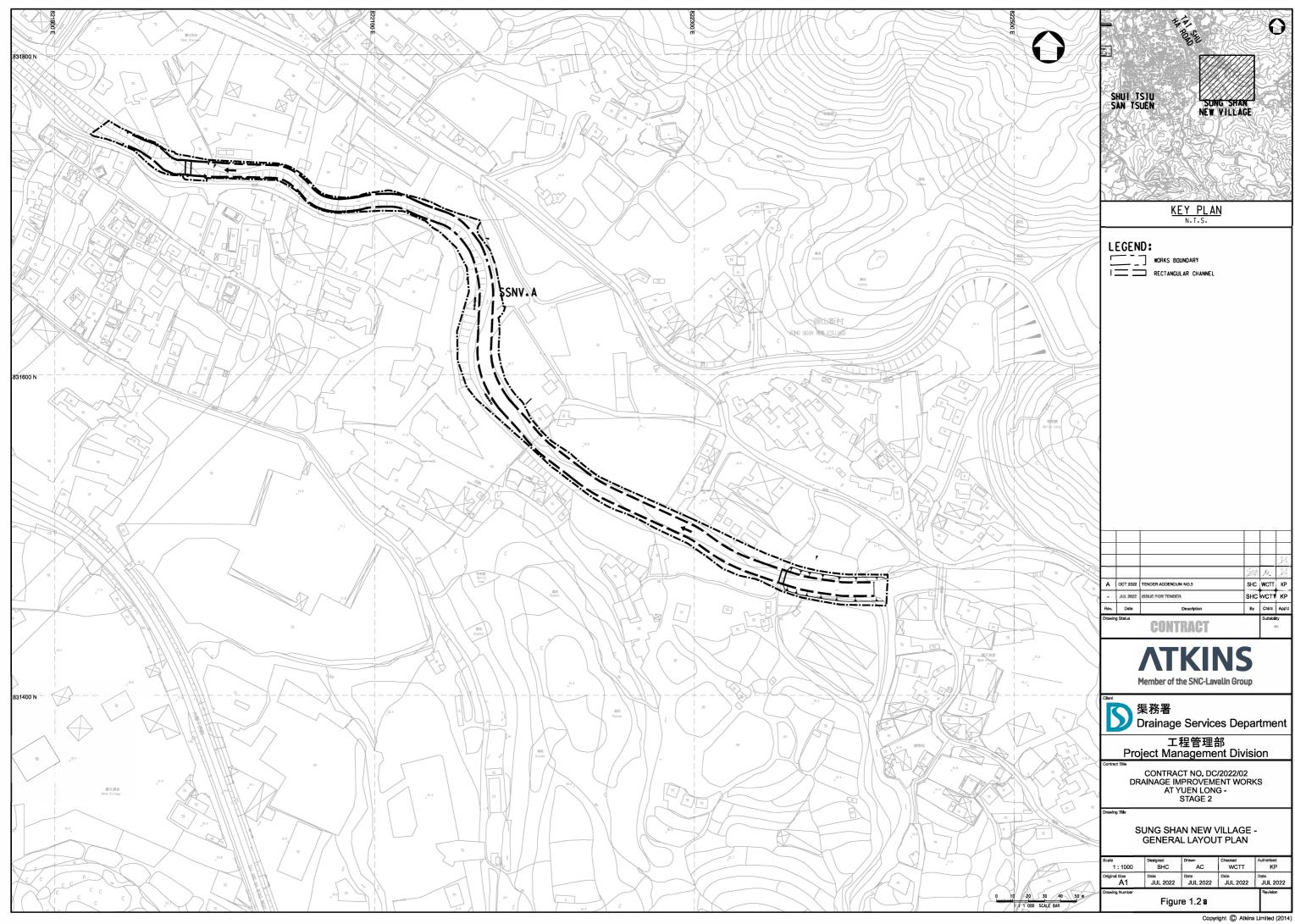
Figure 4.4	Conoral Site Legation Plan	
Figure 1.1	General Site Location Plan	

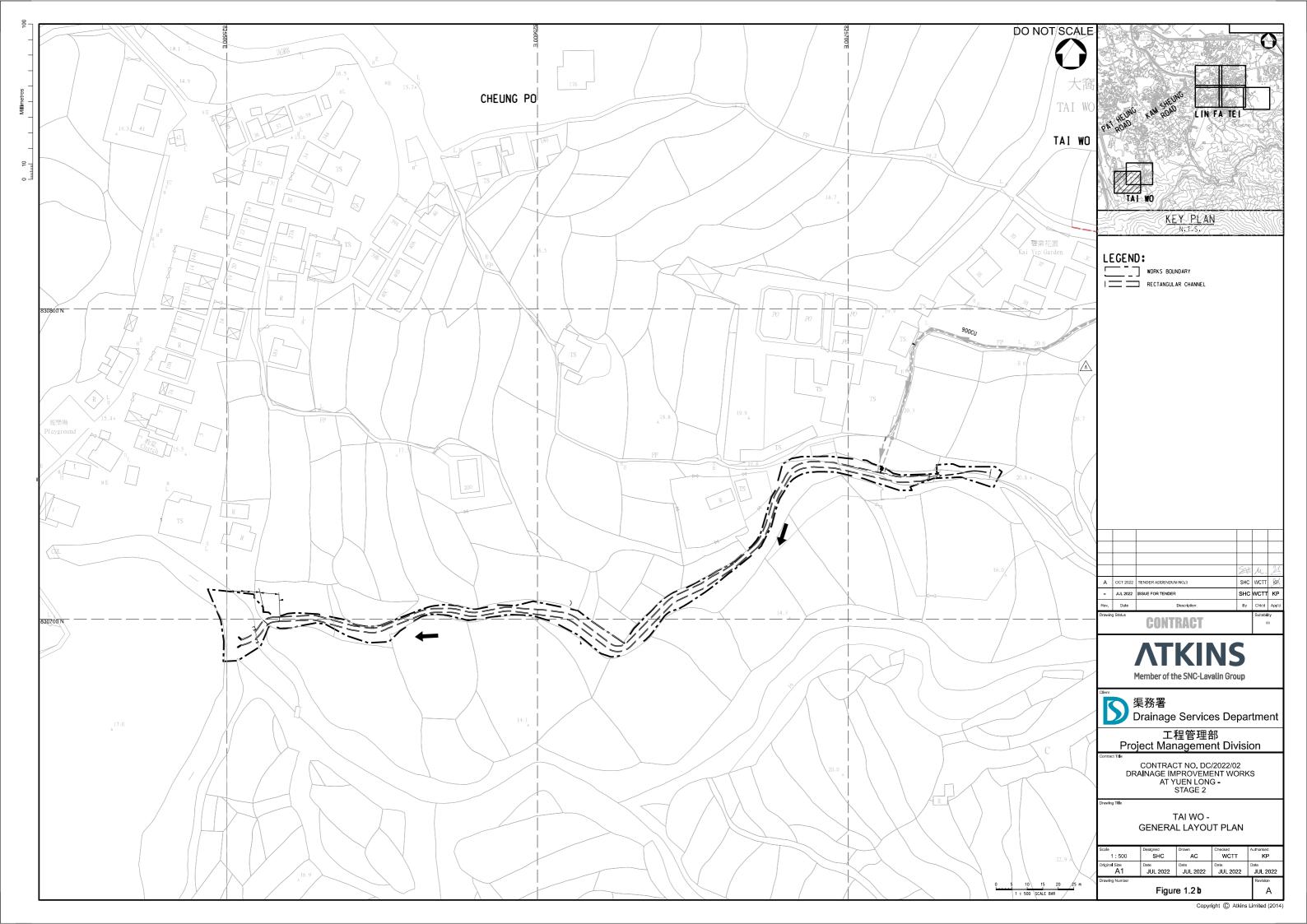


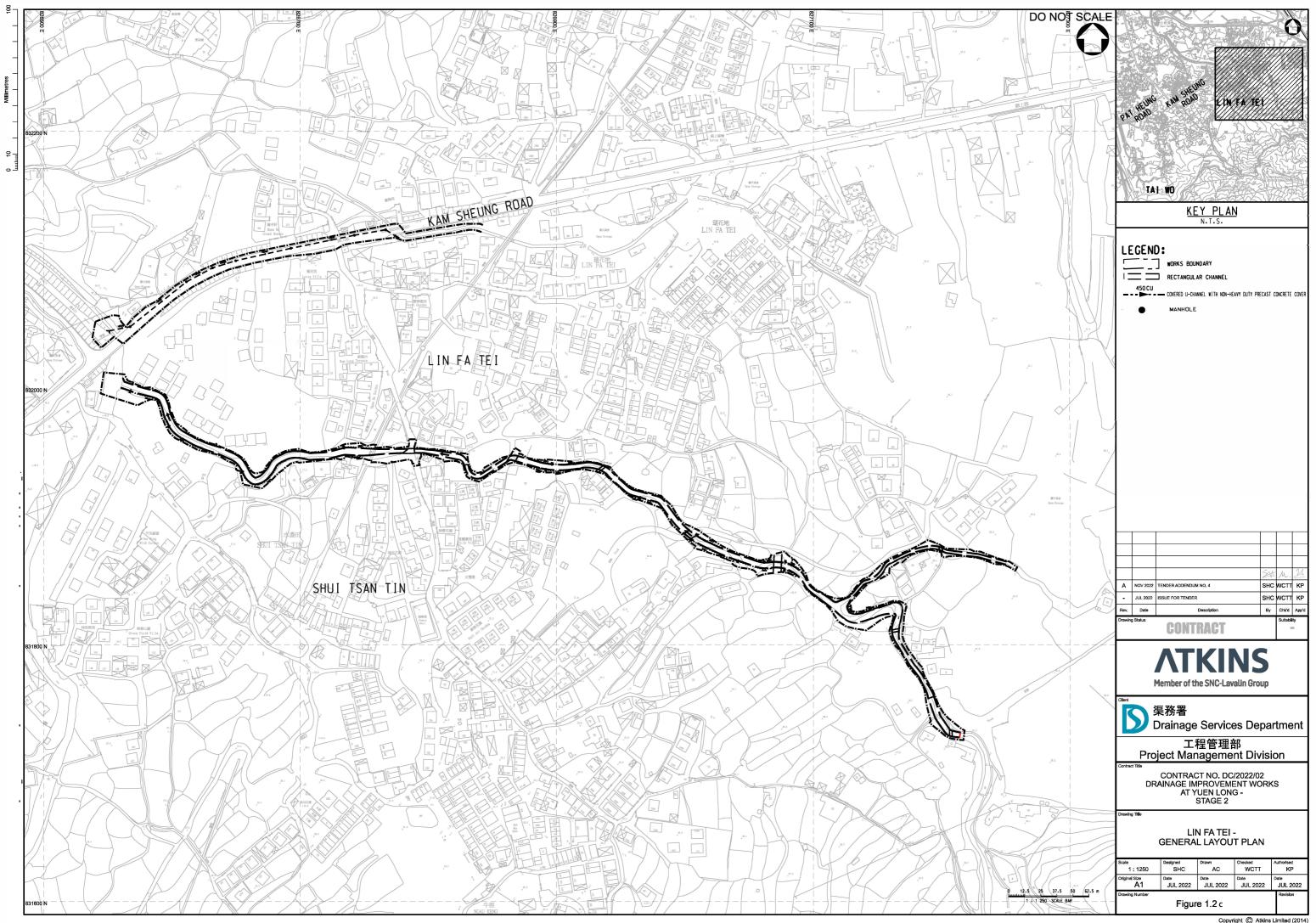
Copyright

Atkins Limited (2014)

Figure 1.2	Location of Work Areas for the Project	







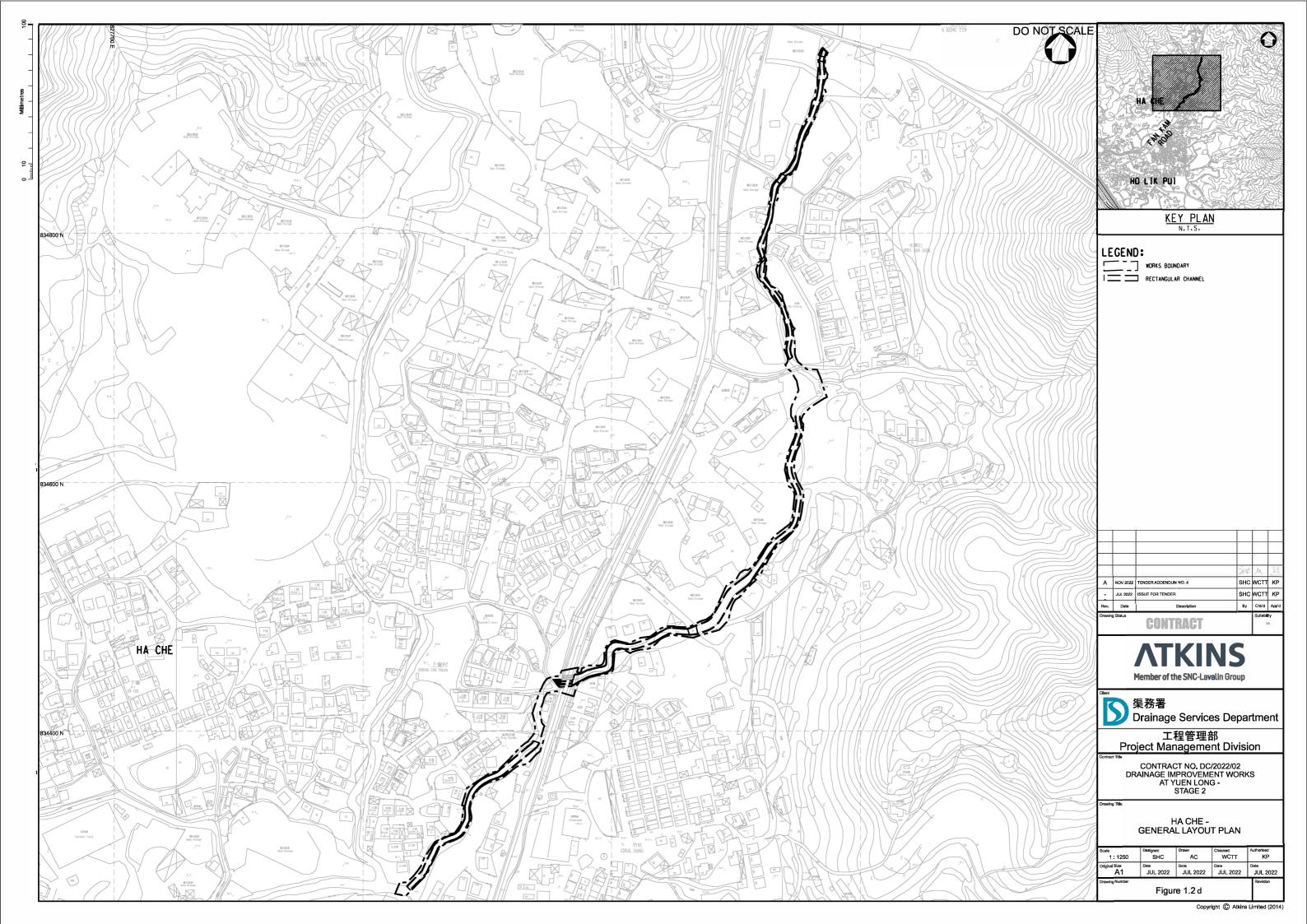
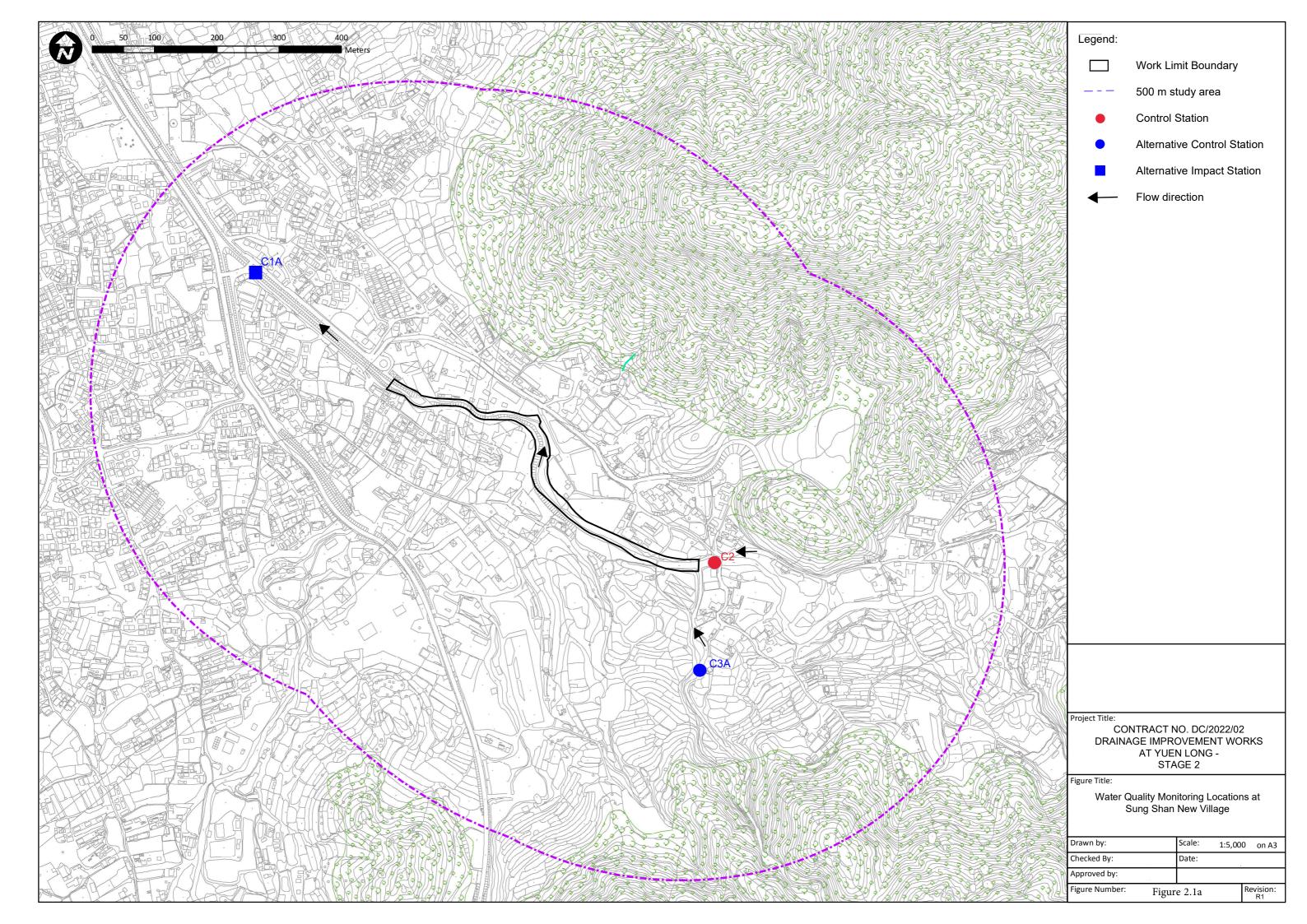
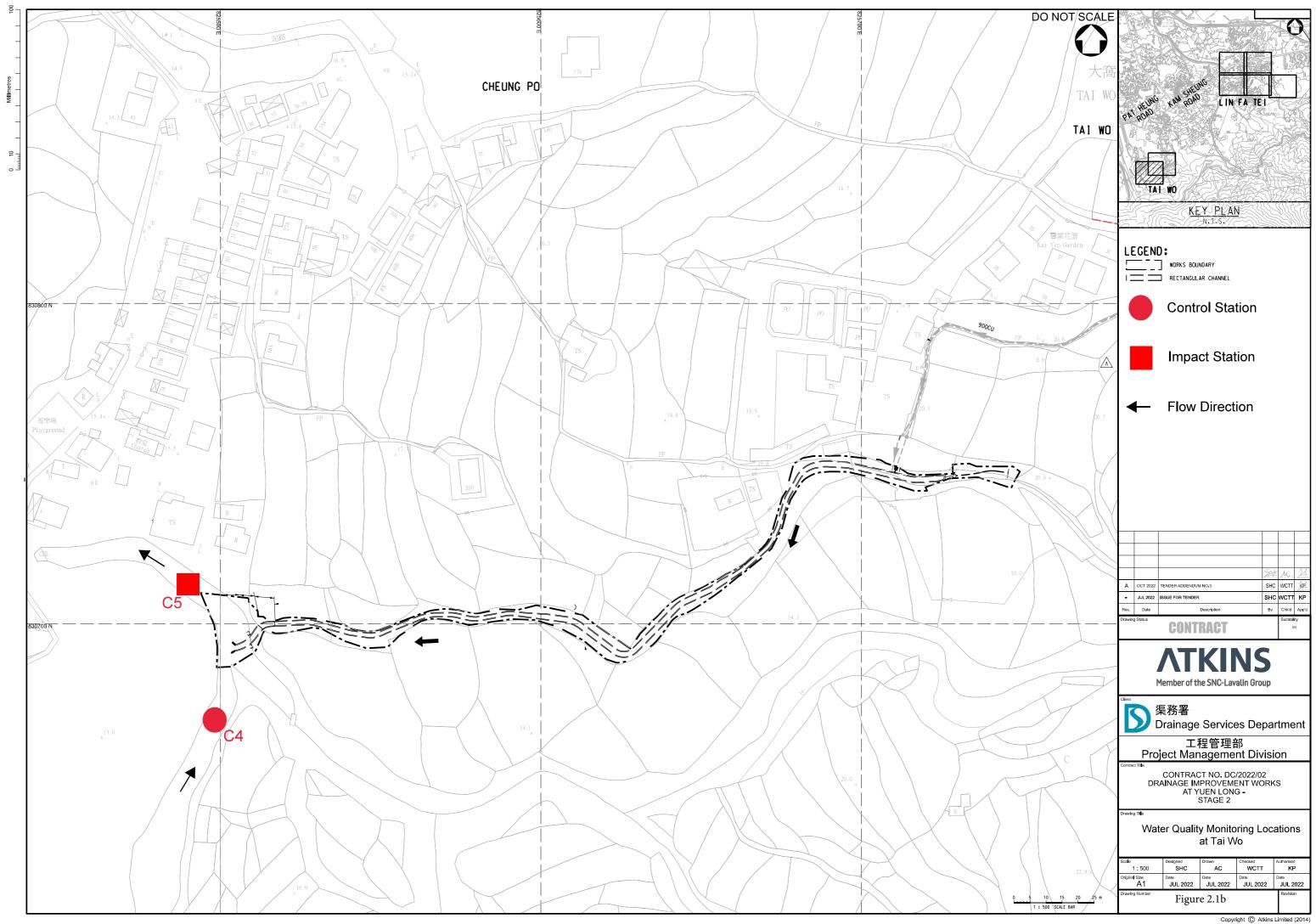
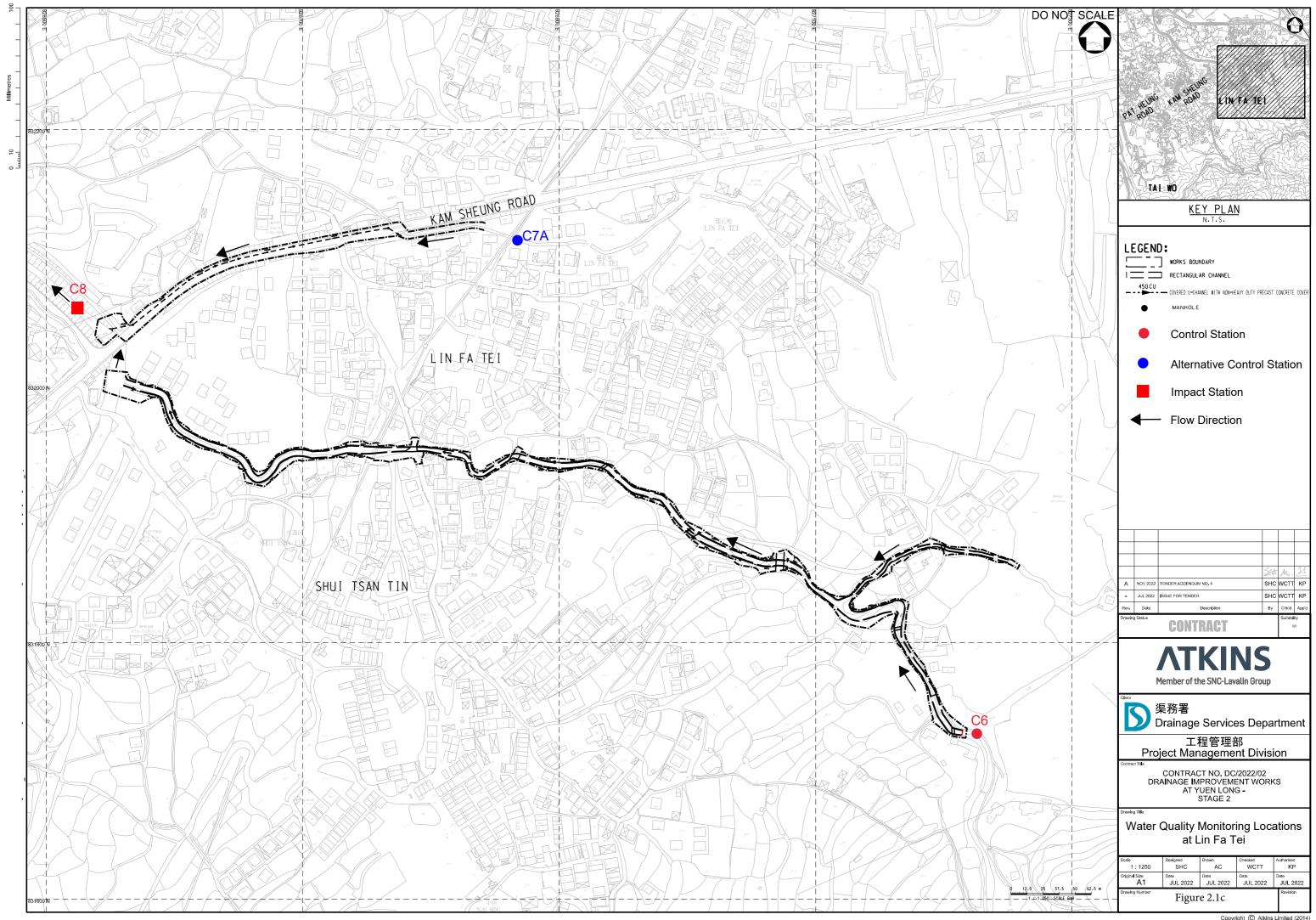


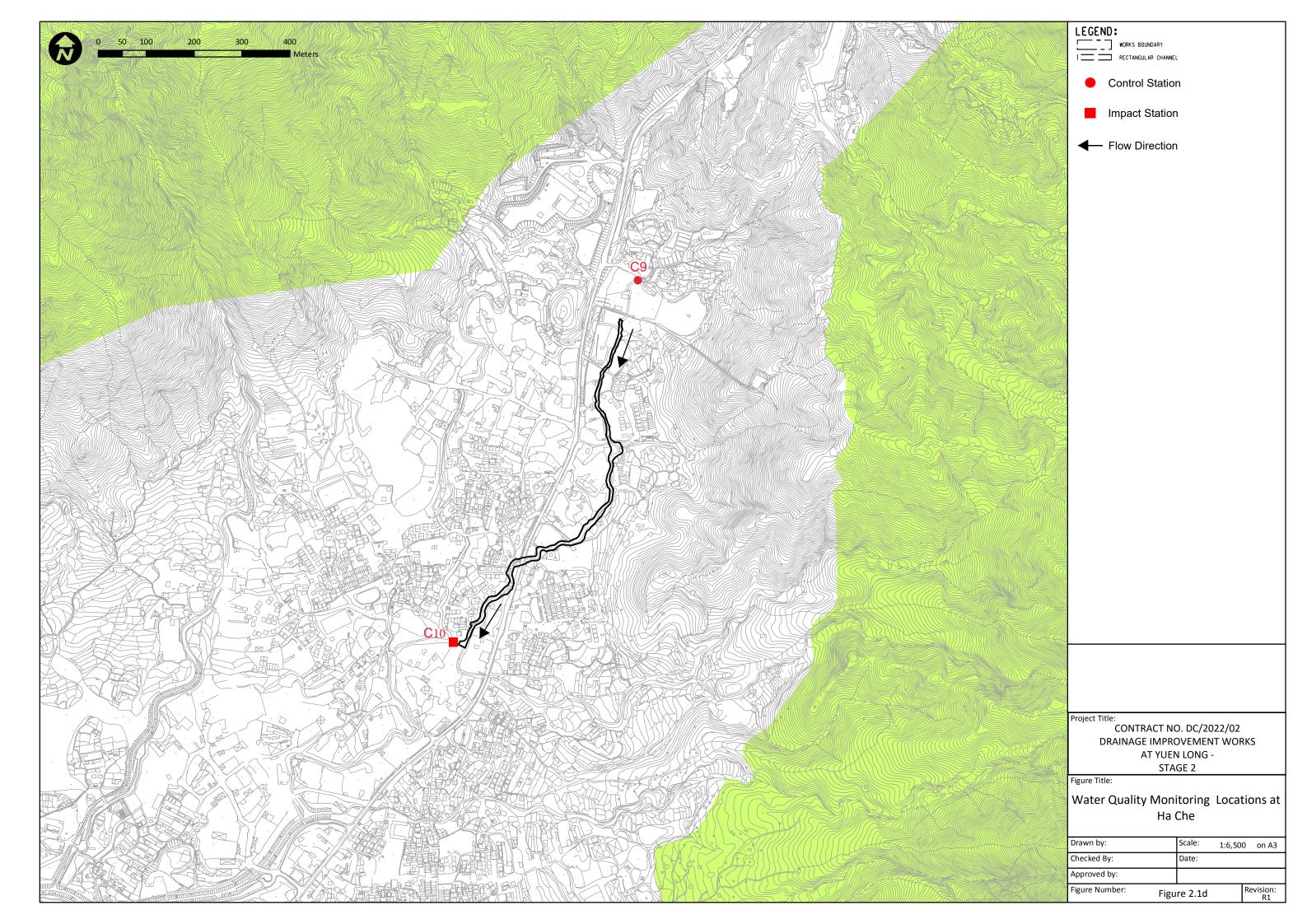
Figure 2.1	Impact Water Quality Monitoring Locations

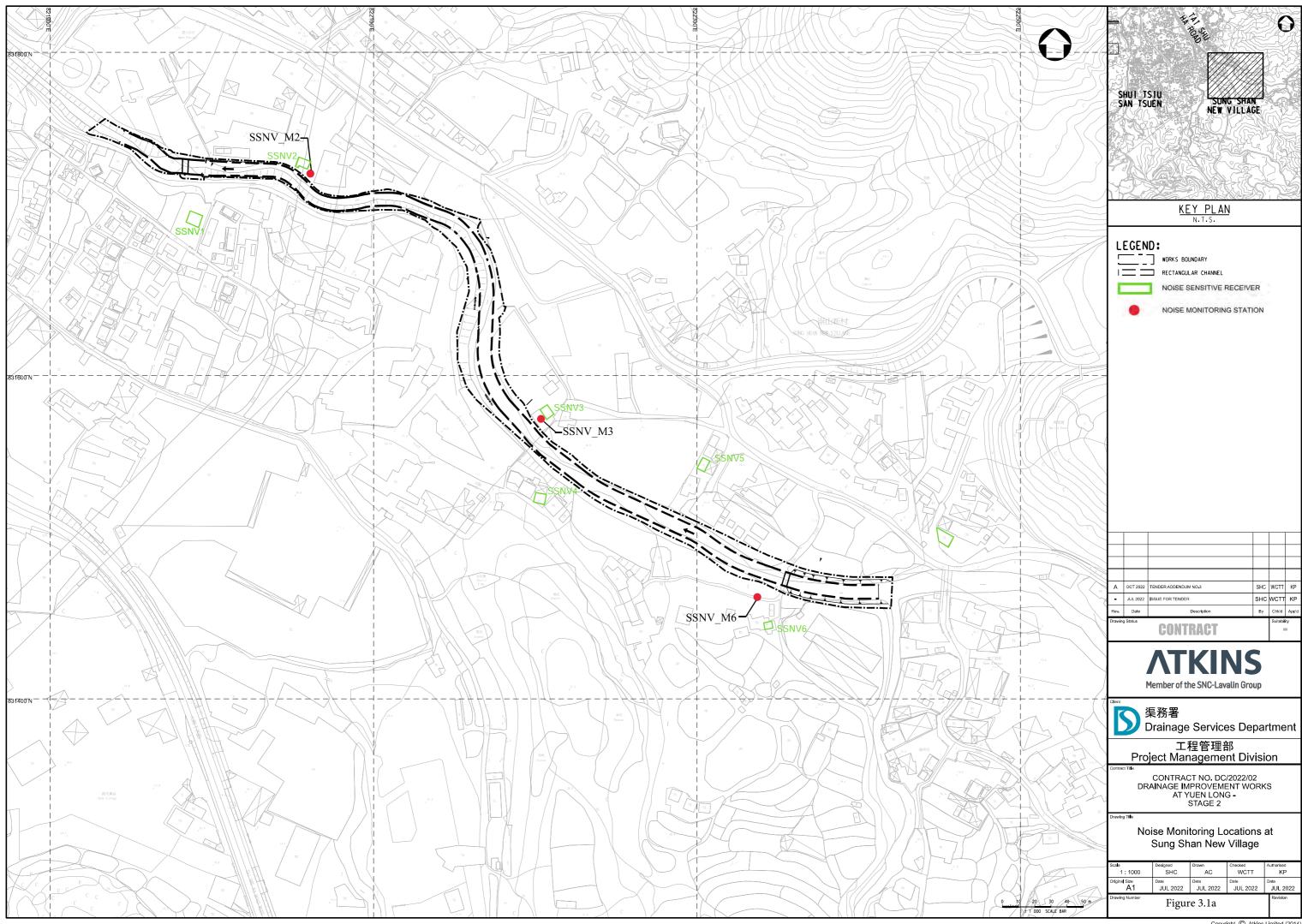


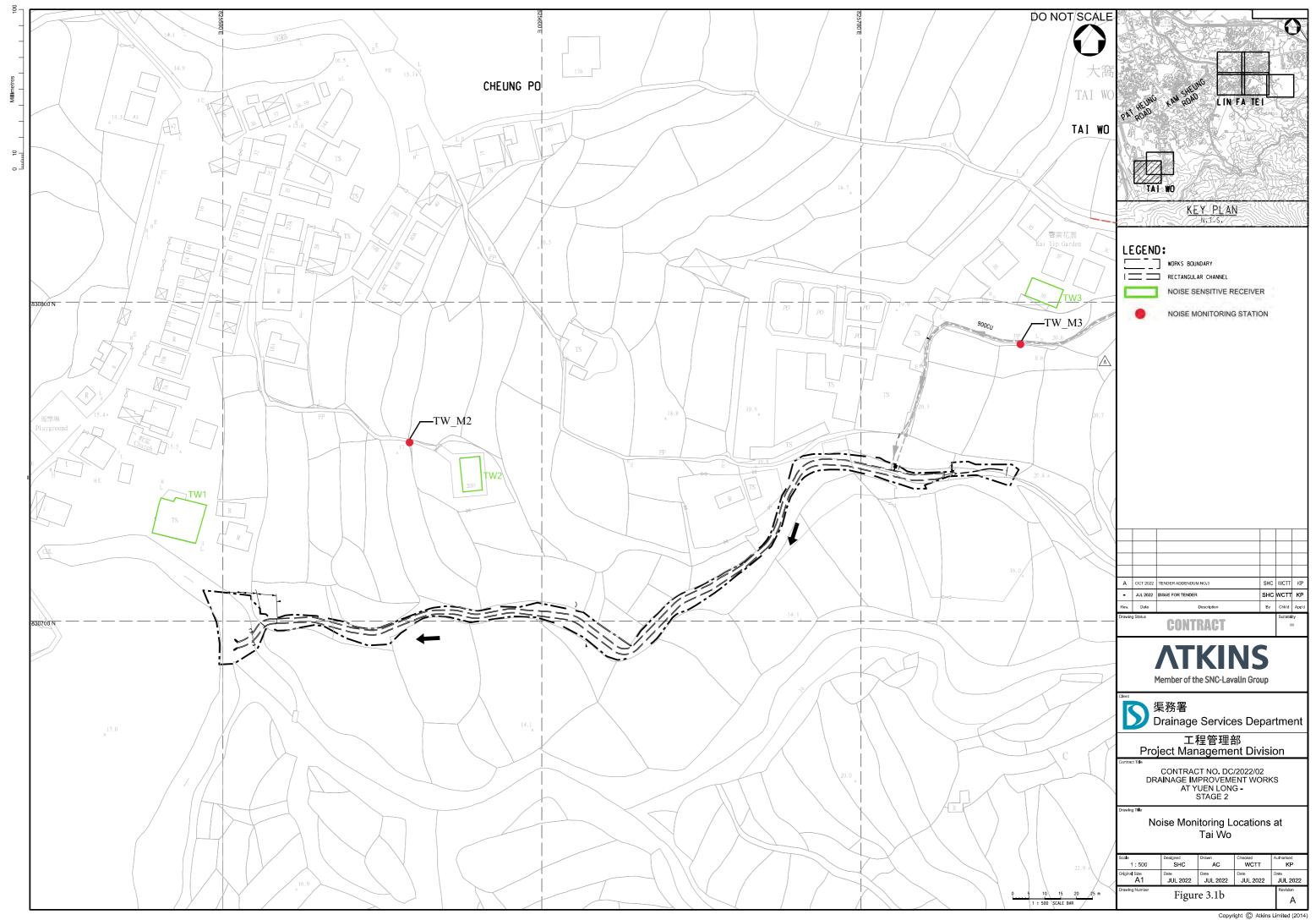


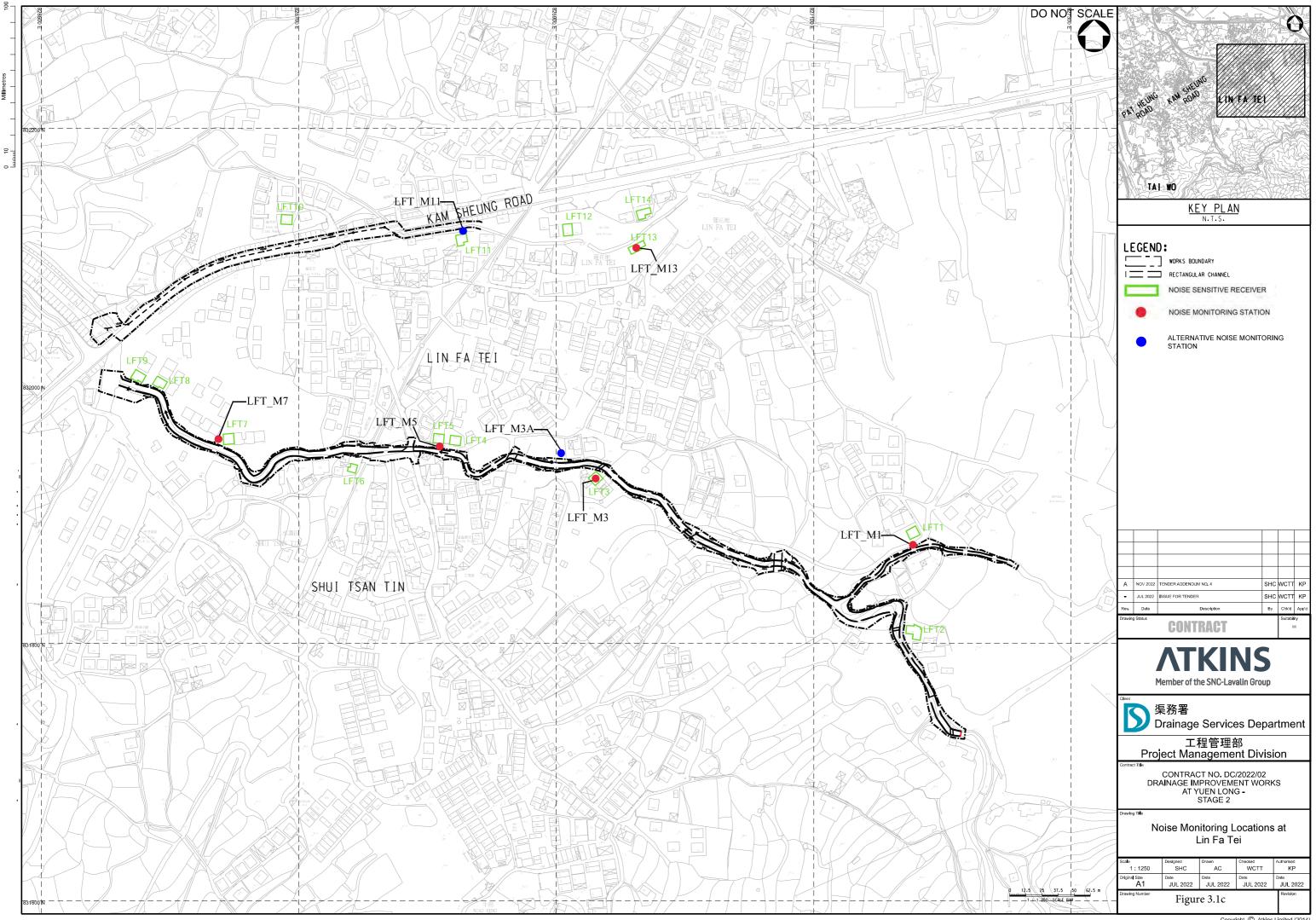


Copyright (2014)

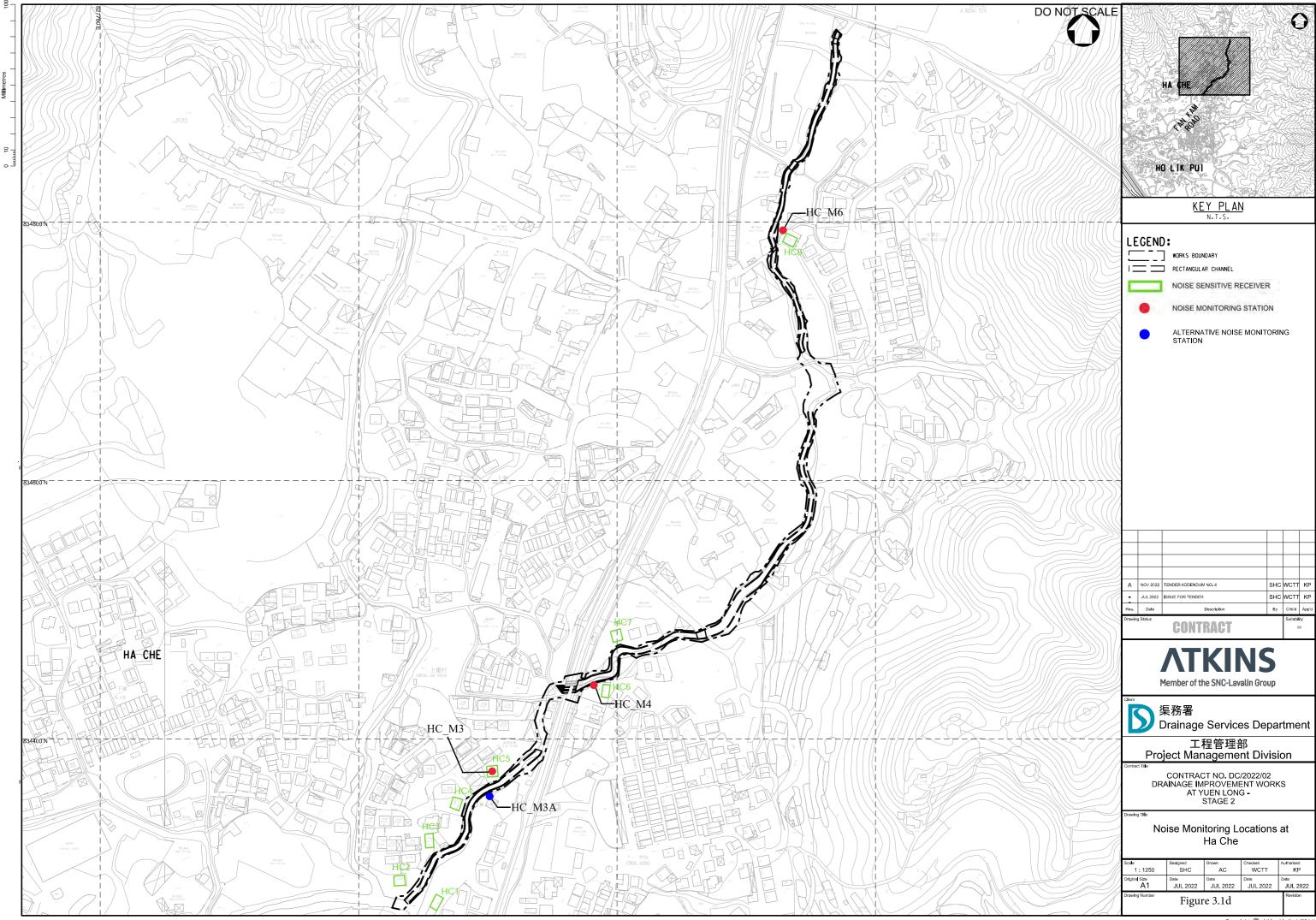








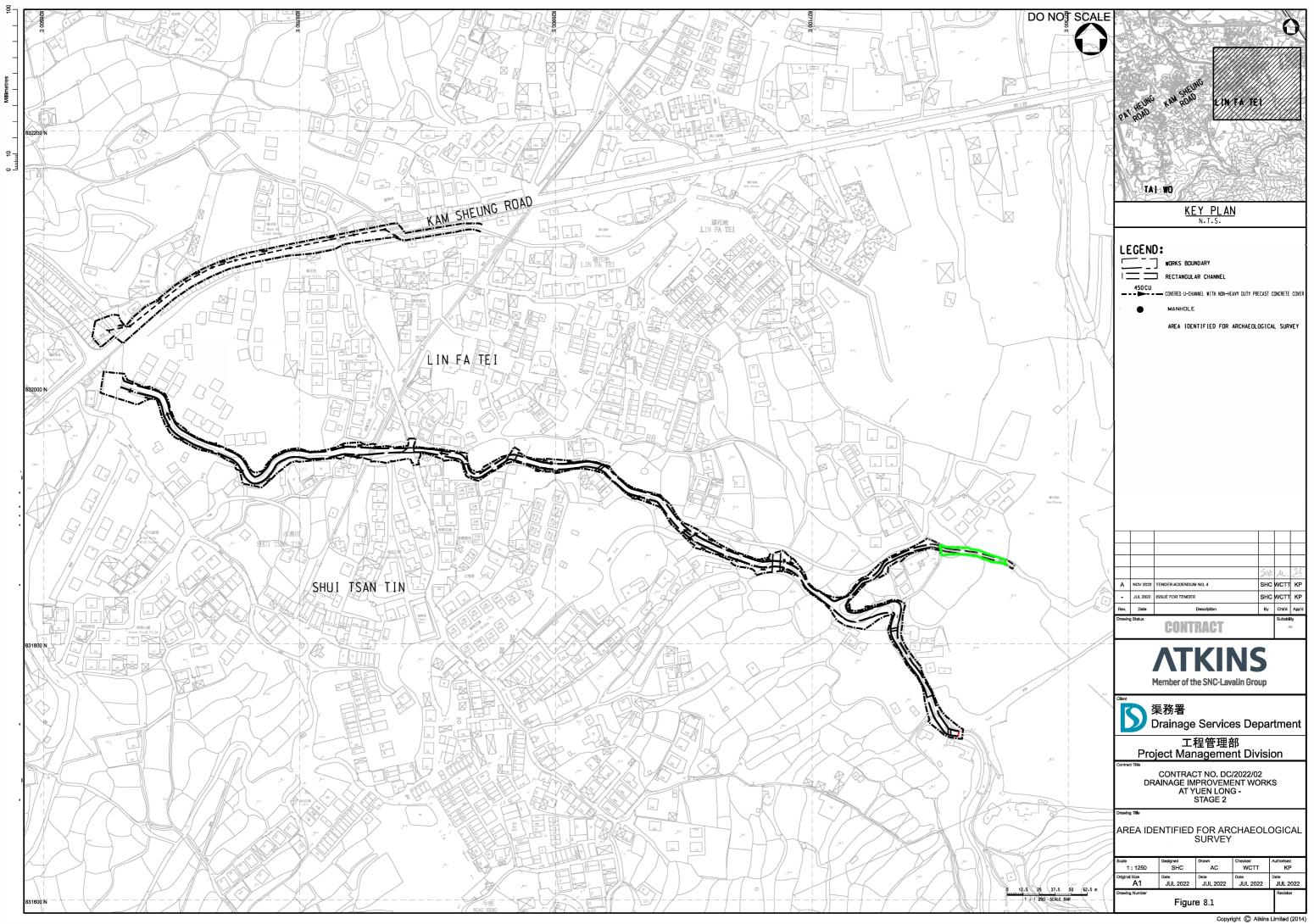
Copyright (2014)



Copyright

Atkins Limited (2014)

Figure 8.1	Area for Archaeological Survey	





Appendix 1.1	Construction Programme	

WING TAT CIVIL ENGINEERING CO LTD '02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME CONTRACT NO. DC/2022/02 Total Slack | TRA | Predecessors | Half I 2023, Half 2 2024, Half 1 2024, Half 2 2025, Half 1 2025, Half 2 2025, Half 2 2026, Half 2 2027, Half 2 2026, Half 2 2027, Half 2 2027, Half 2 2027, Half 2 2027, Half 2 2028, Task Name Late Start Late Finish Early Start Early Finish Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Access date 270 days Mon 23/5/29 Fri 24/2/23 Mon 23/5/29 Fri 24/2/23 Fri 25/11/21 Mon 26/8/17 906 days 906 days Portion A 270 days Tue 23/5/30 Fri 24/2/23 Tue 23/5/30 Fri 24/2/23 Fri 25/11/21 Mon 26/8/17 Portion B 210 days Tue 23/5/30 Mon 23/12/25 Tue 23/5/30 Mon 23/12/25 Tue 26/1/20 Mon 26/8/17 966 days Portion C1 & C2 270 days Tue 23/5/30 Fri 24/2/23 Tue 23/5/30 Fri 24/2/23 Fri 25/11/21 Mon 26/8/17 906 days Portion C3 0 days Mon 23/5/29 Man 23/5/29 Man 23/5/29 Mon 23/5/29 Mon 26/8/17 Mon 26/8/17 1176 days Portion O 210 days Tue 23/5/30 Mon 23/12/25 Tue 23/5/30 Mon 23/12/25 Tue 26/1/20 Mon 26/8/17 966 days 5/29 Portion F1 0 days Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 26/8/17 Mon 26/8/17 1176 days Portion E2 270 days Tue 23/5/30 Fri 24/2/23 Tue 23/5/30 Fri 24/2/23 Fri 25/11/21 Mon 26/8/17 906 days 10 Completion Date 1155 days Tue 23/5/30 Mon 26/7/27 Tue 23/5/30 Mon 26/7/27 Tue 23/5/30 Mon 26/7/27 0 davs 11 Section I - Drainage Improvement Works at Sung Shan New Village 1095 days Tue 23/5/30 Thu 26/5/28 Tue 23/5/30 Thu 26/5/28 Tue 23/5/30 Thu 26/5/28 0 days 12 Section II - Drainage Improvement Works at Tai Wo 820 days Tue 23/5/30 Tue 25/8/26 Tue 23/5/30 Tue 25/8/26 Tue 23/5/30 Tue 25/8/26 0 days 13 Section III - Drainage Improvement Works at Lin Fa Tei (except flood wall 1155 days Tue 23/5/30 Man 26/7/27 Tue 23/5/30 Man 26/7/27 Tue 23/5/30 Mon 26/7/27 0 days construction and drainage improvement works along Kam Sheung Road) Section IV - Drainage Improvement Works at Ha Che (except pipe laying works by 14 1095 days Tue 23/5/30 Thu 26/5/28 Tue 23/5/30 Thu 26/5/28 Tue 23/5/30 renchless method and pipe rehabilitation works across Fan Kam Road) 15 Section V - Drainage Improvement Works at Shan Ha Tsuen 973 days Tue 23/5/30 Mon 26/1/26 Tue 23/5/30 Mon 26/1/26 Tue 23/5/30 Mon 26/1/26 0 days Section VI - Flood Wall Construction and Drainage Improvement Works along Kam 820 days Tue 23/5/30 Tue 25/8/26 Tue 23/5/30 Tue 25/8/26 Tue 23/5/30 Tue 25/8/26 0 days Sheung Road at Lin Fa Tei Section VII - Pipe Laying Works by Trenchless Method and Pipe Rehabilitation Works across Fan Kam Road and Upstream Channel and Downstream Box Culvert Tue 25/8/26 Tue 23/5/30 Tue 25/8/26 17 820 days Tue 23/5/30 Tue 25/8/26 Tue 23/5/30 0 davs Construction Works (Chainage 626 224m - 678 859m) at Ha Che aned Completion Day of whole of the works 356 days Tue 25/8/26 Mon 26/8/17 Tue 25/8/26 Mon 26/8/17 Tue 25/8/26 Mon 26/8/17 Fri 26/5/29 Thu 26/6/18 Fri 26/5/29 Section I - Drainage Improvement Works at Sung Shan New Village 21 days Thu 26/6/18 Fri 26/5/29 Thu 26/6/18 41 Fri 26/5/29 Fri 26/5/29 EOT - inclement weather Fri 26/5/29 Thu 26/6/18 Thu 26/6/18 Thu 26/6/18 0 days 11 Mon 26/5/4 42 Wed 25/8/27 Mon 26/5/4 Wed 25/8/27 Wed 25/8/27 Mon 26/5/4 Section II - Drainage Improvement Works at Tai Wo 251 days 43 EOT - Blockade of access by others 251 days Wed 25/8/27 Mon 26/5/4 Wed 25/8/27 Mon 26/5/4 Wed 25/8/27 Mon 26/5/4 0 days 12 44 Section III - Drainage Improvement Works at Lin Fa Tei (except flood wall construction and drainage improvement works along Kam Sheung Road) Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 21 days 45 EOT - Inclement weather 21 days Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Man 26/8/17 0 davs 13 Section IV - Drainage Improvement Works at Ha Che (except pipe laying works 21 days Fri 26/5/29 Thu 26/6/18 Fri 26/5/29 Thu 26/6/18 Fri 26/5/29 Thu 26/6/18 0 days by trenchless method and pipe rehabilitation works across Fan Kam Road) 47 EOT - Inclement weather Fri 26/5/29 21 days Thu 26/6/18 Fri 26/5/29 Frr 26/5/29 Tue 26/1/27 Mon 26/2/16 Tue 26/1/27 48 Section V - Drainage Improvement Works at Shan Ha Tsuen 21 days Mon 26/2/16 Tue 26/1/27 Mon 26/2/16 0 days Tue 26/1/27 Mon 26/2/16 Tue 26/1/27 Mon 26/2/16 Tue 26/1/27 Mon 26/2/16 21 days 0 days 50 ection VI - Flood Wall Construction and Drainage Improvement Works along Wed 25/8/27 Mon Wed 25/8/27 Mon 25/11/24 Wed 25/8/27 0 days 16 25/11/24 25/11/24 EOT - Difficulty/infeasibility for construction of 1650mm diagoipe at Kam Sheur 90 days Wed 25/8/27 Mon 25/11/24 Wed 25/8/27 Mon 25/11/24 Wed 25/8/27 Mon 25/11/24 0 days Section VII - Pipe Laying Works by Trenchless Method and Pipe Rehabilitation Works across Fan Kam Road and Upstream Channel and Downstream Box Culvert Construction Works (Chainage 626.224m - 678.859m) at Ha Che 52 17 0 days Tue 25/8/26 Tue 25/8/26 Tue 25/8/26 Tue 25/8/26 Tue 25/8/26 Tue 25/8/26 0 days Mon 23/5/15 Sat 24/3/16 Mon 23/5/15 Sat 24/3/16 roject establishment 307 days Mon 23/5/15 Mon 26/8/17 0 days Mon 23/8/21 Sat 24/3/16 Mon 23/8/21 Sat 24/3/16 Sun 26/2/1 Mon 26/8/17 884 days 1FS-1 day Project Manager's Accommodation 209 days 884 days PMI001 - Possession of Works Area at 22 Fan Kam road [A] Sun 26/2/1 Fri 23/9/1 Fri 23/9/1 Fri 23/9/1 Fri 23/9/1 Sun 26/2/1 1 day Sat 24/3/16 Sat 23/9/2 Sat 24/3/16 Rennovation and Certification of ex. PM accommodation 197 days Sat 23/9/2 Mon 26/2/2 Mon 26/8/17 884 days Inspection and review of ex. PM accommodation [A] Mon 26/2/2 Tue 26/5/12 884 days 100 days Sat 23/9/2 Sun 23/12/10 Sat 23/9/2 Sun 23/12/10 Arranging time slot with RSS for power and server down [A] 83 days Mon 23/12/11 Sat 24/3/2 Mon 23/12/11 Sat 24/3/2 Wed 26/5/13 Mon 26/8/3 884 days 884 days Issuance of check certificates [A] Sun 24/3/3 Sat 24/3/16 Sun 24/3/3 Sat 24/3/16 Tue 26/8/4 Mon 26/8/17 14 days 61 C11 Tendering procedure for EDMS & DWSS [A] 30 days Mon 23/8/21 Tue 23/9/19 Mon 23/8/21 Tue 23/9/19 Tue 26/6/9 Wed 26/7/8 1023 days 40 days Installation and commissioning of EDMS & DWSS [A] Wed 23/9/20 Sun 23/10/29 Wed 23/9/20 Sun 23/10/29 Thu 26/7/9 Mon 26/8/17 1023 days 63 Environmental Team (ET) procurement 190 days Tue 23/8/15 Tue 24/2/20 Tue 23/8/15 Tue 24/2/20 Tue 23/8/15 Mon 26/8/17 64 C9 Tendering procedure [A] 58 days Tue 23/8/15 Wed 23/10/11 Tue 23/8/15 Wed 23/10/11 Tue 23/8/15 Wed 23/10/11 0 days 65 Commencement for ET (Aurecon) [A Thu 23/10/12 Thu 23/10/12 Thu 23/10/12 Thu 23/10/12 Thu 23/10/12 Thu 23/10/12 1 day 0 days 66 Proposal and Acceptance of ET Members (A) 18 days Fri 23/10/13 Mon 23/10/30 Fri 23/10/13 Mon 23/10/30 Fri 23/10/13 Mon 23/10/30 0 days 67 Updating and Acceptance of EM&A Manual [A] 23 days Tue 23/10/31 Wed 23/11/22 Tue 23/10/31 Wed 23/11/22 Tue 23/10/31 Wed 23/11/22 0 days 68 Notice of Commencement of Construction to EPD [A] 90 days Thu 23/11/23 Tue 24/2/20 Thu 23/11/23 Tue 24/2/20 Thu 23/11/23 Tue 24/2/20 69 Complete necessary submissions to EPD [A] Thu 24/2/1 Tue 24/2/20 Thu 24/2/1 Tue 24/2/20 Wed 26/7/29 Mon 26/8/17 68FF 74 Setup Public Liaison Team 120 days Mon 23/5/15 Mon 23/9/11 Mon 23/5/15 Mon 23/9/11 Mon 23/5/15 Mon 23/9/11 75 Recruitment of Public Liaison Officer [A] 90 days Mon 23/5/15 Sat 23/8/12 Mon 23/5/15 Sat 23/8/12 Mon 23/5/15 Sat 23/8/12 0 days Appointment and Acceptance of Public Liaison Officer [A] 30 days Sun 23/8/13 Mon 23/9/11 Sun 23/8/13 Mon 23/9/11 Sun 23/8/13 Mon 23/9/11 0 days 84 Sat 23/10/14 Sat 23/10/14 Fri 23/9/1 Works Area establishment 44 days Fri 23/9/1 Fri 23/9/1 Mon 26/8/17 Fri 23/9/1 PMI001 - Possession of Works Area at 22 Fan Kam road [A] Fri 23/9/1 Fri 23/9/1 Fri 23/9/1 Fri 23/9/1 Fri 23/9/1 0 days 86 Sat 23/10/14 Sat 23/9/2 Sat 23/10/14 Mon 26/7/6 Mon 26/8/17 Establish concrete haul road and slab [A] 43 days Sat 23/9/2 1038 days Contractor's Accommodation (office and welfare facilities) 145 days Sat 23/9/2 Wed 24/1/24 Sat 23/9/2 Wed 24/1/24 Sat 23/9/2 Mon 26/8/17 88 Sat 23/9/2 Mon 23/9/25 Sat 23/9/2 Mon 23/9/25 Sat 23/9/2 Establish temporary site office (containers) [A] Mon 23/9/25 0 days C9 Tendering procedure for Contractor's Site Office [A] 28 days Sat 23/9/2 Fri 23/9/29 Sat 23/9/2 Fri 23/9/29 Thu 26/3/26 Wed 26/4/22 Thu 26/4/23 97 Sat 23/9/30 Fri 23/11/3 Proposal and Acceptance of Temp. Works Design and Method Statement (A) 35 days Sat 23/9/30 Fri 23/11/3 Wed 26/5/27 936 days 98 Construction of Footing [A] Sat 23/11/4 Sat 23/11/18 Sat 23/11/4 Sat 23/11/18 Thu 26/5/28 Thu 26/6/11 936 days 97 qq Construction of Structure [A] Tue 24/1/2 Sun 23/11/19 Tue 24/1/2 Fri 26/6/12 936 days 45 days Sun 23/11/19 Sun 26/7/26 98 100 Interior furnishment and Furnitures [A] Wed 24/1/3 Wed 24/1/17 Wed 24/1/3 Wed 24/1/17 Mon 26/7/27 Mon 26/8/10 15 days 936 days 101 Tue 26/8/11 7 days Thu 24/1/18 Wed 24/1/24 Thu 24/1/18 Wed 24/1/24 Mon 26/8/17 936 days 100 102 103 1116 days Tue 23/5/30 Tue 23/5/30 Tue 23/5/30 Thu 26/6/18 Thu 26/6/18 Thu 26/6/18 Tue 23/5/30 access date of Portion A Fri 24/2/23 Tue 23/5/30 Fri 24/2/23 Tue 23/5/30 Fri 24/2/23 \\WingTatNas0 270 days Tue 23/5/30 Period of section I (Sung Shan New Village) 1095 days Thu 26/5/28 Tue 23/5/30 Thu 26/5/28 Tue 23/5/30 Thu 26/5/28 \\WingTatNasC Planned Completion Day 21 days Fri 26/5/29 Thu 26/6/18 Fri 26/5/29 Thu 26/6/18 Fri 26/5/29 Thu 26/6/18 0 days Early access (partial) [A] Tue 23/5/30 Fri 23/12/15 Tue 23/5/30 Fri 23/12/15 Tue 23/8/8 Fri 24/2/23 200 days 70 days \\WingTatNas0 Site Establishment Tue 23/9/12 Sun 25/12/21 Tue 23/9/12 Sun 25/12/21 Tue 23/9/12 Thu 26/6/18 832 days Sun 26/1/11 Prepare and Accept Temp. Works Design and Method Statement 818 days Tue 23/9/26 Sun 25/12/21 Tue 23/9/25 Sun 25/12/21 Tue 23/10/17 21 days \\WingTatNas Public Liaison and Negotiation with Village Rep. 164 days Tue 23/9/12 Thu 24/2/22 Tue 23/9/12 Thu 24/2/22 Tue 23/9/12 Thu 24/2/22 0 days \\WingTatNasC 668 days Fri 24/2/23 Sun 25/12/21 Fri 24/2/23 Sun 25/12/21 Fri 24/3/15 8 SFS-1 day Initial Survey Sun 26/1/11 21 days 8,5FS-1 day 10 Initial Safety & Environmental measures [A] Fri 24/2/23 Thu 24/3/14 Fri 24/2/23 Thu 24/3/14 Fri 24/2/23 Thu 24/3/14 21 days 0 days 13 Setup of instrumentation and monitoring [A] 28 days Fri 24/3/15 Thu 24/4/11 Fri 24/3/15 Thu 24/4/11 Fri 26/5/22 Thu 26/6/18 79B days 10 790 days 15 EIAO Commencement of Construction IA1 1 day Wed 24/2/21 Wed 24/2/21 Wed 24/2/21 Wed 24/2/21 Tue 26/4/21 Tue 26/4/21 \\WingTatNas 28 days 16 Environmental Baseline Monitoring (A) Tue 24/1/23 Mon 24/2/19 Tue 24/1/23 Mon 24/2/19 Mon 26/3/23 Sun 26/4/19 15FS-30 days 790 days Rolled Up Critical Task Rolled Up Progress Group By Summary 'Task Progress Summary External Tasks levision : 8.0 Date: 30 April 2024 Milestone Rolled Up Task Rolled Up Milestone Project Summary V 200 Page 1 Drain: (U/S)~(D/S).size+type.bedding.length(m).depth(m)

U-Channel: {U/S}~{D/S},size+type,length(m

WING TAT CIVIL ENGINEERING CO LTD CONTRACT NO., DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME Total Slack | TRA | Predecessors Task Nami Farly Start Farly Finish Late Start Late Finish Thu 24/4/11 Fn 24/3/15 Thu 24/4/11 Fn 24/3/15 Thu 24/4/11 0 days 0 10 17 Condition Survey (A 28 days Fri 24/3/15 Vegetation Survey [A] 28 days Fri 24/3/15 Thu 24/4/11 Fri 24/3/15 Thu 24/4/11 Wed 24/4/24 Tue 24/5/21 40 days 19 Tree Survey [A] Fri 24/3/15 Thu 24/4/11 Fri 24/3/15 Thu 24/4/11 Wed 24/4/24 Tue 24/5/21 40 days 28 days 20 [PMIxxx] TPRP for Additional Trees (impact to be ascertained) 50 days Fri 24/4/12 Fri 24/5/31 Fri 24/4/12 Fri 24/5/31 Wed 24/5/22 Wed 24/7/10 40 days 19,18 Mon 26/4/20 21 [PMI-xxx] Aquilaria Sinensis seedling (impact to be ascertained) 60 days Tue 24/2/20 Fn 24/4/19 Tue 24/2/20 Fri 24/4/19 Thu 26/6/18 790 days 72 Site Clearance 60 days Fri 24/4/12 Mon 24/6/10 Fri 24/4/12 Mon 24/6/10 Fri 24/4/12 Mon 24/6/10 0 days 17 etent Person (UII) Sun 24/5/12 Mon 24/6/10 22FS-30 days 23 Mon 24/6/10 Sun 24/5/12 Mon 24/6/10 2x labour, 1 grab truck **UU** detection 30 days Sun 24/5/12 22FS-30 days 24 Mon 24/6/10 Sun 24/5/12 Mon 24/6/10 Sun 24/5/12 Mon 24/6/10 .Widening, making good or leasing of private land may be required Establish access(es) to channels 30 days Sun 24/5/12 0 days Guarding / Barrier / Hoarding Wed 24/7/10 Tue 24/6/11 Wed 24/7/10 Tue 24/6/11 Wed 24/7/10 1x Lorry Crane, 3x labour, 1x welder 25 30 days Tue 24/6/11 0 days 24,23 26 Drainage Channels Works 708 day Thu 24/7/11 Thu 26/6/18 Thu 24/7/11 Thu 26/6/18 Thu 24/7/11 Thu 26/6/18 0 days 27 Demolish & relocate metal frame YLL796/B/6 Thu 24/7/11 Wed 24/7/24 Thu 24/7/11 Wed 24/7/24 Thu 24/7/11 Wed 24/7/24 25.20 14 days 0 days 28 Demolish & relocate metal frame YLL796/B/7-8 14 days Thu 24/7/11 Wed 24/7/24 Thu 24/7/11 Wed 24/7/24 Thu 24/7/11 Wed 24/7/24 0 days 25,20 29 CH A500.00~CH A608.13 164 days Thu 24/7/25 Sat 25/1/4 Thu 24/7/25 Sat 25/1/4 Thu 24/7/25 Sat 25/1/4 0 days 60 days 30 Sheetpiling & Temp. Drainage Diversion Thu 24/7/25 Sun 24/9/22 Thu 24/7/25 Sun 24/9/22 Thu 24/7/25 Sun 24/9/22 0 days 27.28 1x Sheetpiling machine,1x Lorry Crane 31 Excavation and Lateral Support 60 days Fri 24/8/9 Mon 24/10/7 Fri 24/8/9 Mon 24/10/7 Fri 24/8/9 Mon 24/10/7 30FS-45 days 1.1x Excavator.1x dump truck.2x labour 0 days 32 Ground and Edge Beams 66 days Sat 24/R/24 Mon 24/10/28 Sat 24/8/24 Mon 24/10/28 Sat 24/8/24 ******** 0 days Install precast portion (ground beam) 33 35 days Sat 74/8/74 Fri 24/9/27 Sat 24/R/24 Fri 24/9/77 Sat 24/8/24 Fri 24/9/27 31FS-45 days L 1x Lorry Crane, 2x labou 0 days Rebar Fixing 34 30 days Fri 24/9/13 Sat 24/10/12 Fri 24/9/13 Sat 24/10/12 Fri 24/9/13 Sat 24/10/12 0 days 33FS-15 days 3x rebar fixers 35 Formwork Frection and Cast-in items 30 days Sun 24/9/29 Man 24/10/28 Sun 24/9/29 Mon 24/10/28 Sun 24/9/29 Man 24/10/28 0 days 34FS-14 days 3x carpenters Concreting 36 3 days Tue 24/10/15 Thu 24/10/17 Tue 24/10/15 Thu 24/10/17 Tue 24/10/15 Thu 24/10/17 0 days 35FS-14 days 1 gang.concrete mixers.pump truck 37 Walls 46 days Fri 24/10/18 Mon 24/12/2 Fri 24/10/18 Mon 24/12/2 Fri 24/10/18 Mon 24/12/2 0 days 3x rebar fixers 38 Rebar Fixing 30 days Fri 24/10/18 Sat 24/11/16 Fri 24/10/18 Sat 24/11/16 Fri 24/10/18 Sat 24/11/16 0 days 39 Formwork Erection and Cast-in items 30 days Sun 24/11/3 Mon 24/12/2 Sun 24/11/3 Mon 24/12/2 Sun 24/11/3 Mon 24/12/2 0 davs 38FS-14 days 3x carpenters gang,concrete mixers,pump truck 40 Concreting 2 days Tue 24/11/19 Wed 24/11/20 Tue 24/11/19 Wed 24/11/20 Tue 24/11/19 Wed 24/11/20 0 days 39FS-14 days 1.1x Excavator.1x dump truck 41 Backfilling and Compaction 30 days Thu 24/11/21 Fri 24/12/20 Thu 24/11/21 Fri 24/12/20 Thu 24/11/21 Fri 24/12/20 0 days 40 42 1x Sheetpiling machine 1x Lorry Crane Removal of Sheetniles 30 days Fri 24/12/6 Sat 25/1/4 Fri 24/12/6 Sat 25/1/4 Fri 24/12/6 Sat 25/1/4 0 days 41FS-15 days 43 Modify ex. Channel at Outlet 21 days Sun 25/1/5 Sat 25/1/25 Sun 25/1/5 Sat 25/1/25 Fri 26/5/29 Thu 26/6/18 509 days 42 0 44 Excavate & Backfill ex. Unregistered feature 14 days Sun 25/1/5 Sat 25/1/18 Sun 25/1/5 Sat 25/1/18 Fri 26/6/5 Thu 26/6/18 516 days 42 45 Relocate/Divert ex. Utilities 7 days Sun 25/1/5 Sat 25/1/11 Sun 25/1/5 Sat 25/1/11 Fri 26/6/12 Thu 26/6/18 523 days 42 46 CH_A400.00~CH_A500.00 110 days Sat 24/12/21 Wed 25/4/9 Sat 24/12/21 Wed 25/4/9 Sat 24/12/21 Wed 25/4/9 0 days 1x Sheetpiling machine,1x Lorry Crane 47 Sheetpiling & Temp. Drainage Diversion 48 days Sat 24/12/21 Thu 25/2/6 Sat 24/12/21 Thu 25/2/6 Sat 24/12/21 Thu 25/2/6 0 days 42FS-15 days 1x Excavator, 1x dump truck, 2x labour 48 Excavation and Lateral Support 48 days Thu 25/1/2 Tue 25/2/18 Thu 25/1/2 Tue 25/2/18 Thu 25/1/2 Tue 25/2/18 0 days 47FS-36 days 49 Ground and Edge Beams 44 days Tue 25/1/14 Wed 25/2/26 Tue 25/1/14 Wed 25/2/26 Tue 25/1/14 Wed 25/2/26 0 days 50 1x Lorry Crane, 2x labour 48FS-36 days Install precast portion (ground beam) 28 days Tue 25/1/14 Mon 25/2/10 Tue 25/1/14 Mon 25/2/10 Tue 25/1/14 Man 25/2/10 0 days 51 3x rebar fixers Rebar Fixing 20 days Tue 25/1/28 Sun 25/2/16 Tue 25/1/28 Sun 25/2/16 Tue 25/1/28 Sun 25/2/16 0 days 50FS-14 days 52 3x carpenters Formwork Erection and Cast-in items Fri 25/2/7 Wed 25/2/26 Fn 25/2/7 Wed 25/2/26 Fri 25/2/7 51FS-10 days 20 days Wed 25/2/26 0 days 53 gang, concrete mixers, pump truck Mon 25/2/17 Mon 25/2/17 Mon 25/2/17 Mon 25/2/17 Mon 25/2/17 Mon 25/2/17 52FS-10 days Concreting 1 day 0 days 54 Tue 25/2/18 Wed 25/3/19 Tue 25/2/18 Wed 25/3/19 Tue 25/2/18 Wed 25/3/19 Walls 30 days 0 days 55 Sun 25/3/9 3x rebar fixers Sun 25/3/9 Tue 25/2/18 Sun 25/3/9 Tue 25/2/18 Rebar Fixing 20 days Tue 25/2/18 0 days 56 3x carpenters Formwork Erection and Cast-in items 20 days Fri 25/2/28 Wed 25/3/19 Fri 25/2/28 Wed 25/3/19 Fri 25/2/28 Wed 25/3/19 0 days 55FS-10 days 57 Mon 25/3/10 Mon 25/3/10 Mon 25/3/10 Mon 25/3/10 Mon 25/3/10 Mon 25/3/10 56FS-10 days I gang concrete mixers pump truck Concreting 1 day 0 days Backfilling and Compaction Tue 25/3/11 58 Tue 25/3/11 1x Excavator,1x dump truck 20 days Sun 25/3/30 Tue 25/3/11 Sun 25/3/30 Sun 25/3/30 0 days 58FS-10 days 59 Fri 25/3/21 Wed 25/4/9 Fri 25/3/21 1x Sheetpiling machine,1x Lorry Crane Fri 25/3/21 Wed 25/4/9 Wed 25/4/9 Removal of Sheetpiles 20 days 0 days 60 Wed 25/5/7 Thu 25/4/10 Wed 25/5/7 Fri 26/5/22 Thu 26/6/18 Pedestrian Crossing no. 1 28 days Thu 25/4/10 407 days 61 Demolish & relocate metal frame YLL796/B/9 Mon 25/3/31 Sun 25/4/13 Mon 25/3/31 Sun 25/4/13 Mon 25/3/31 Sun 25/4/13 0 days 59FS-10 days 14 days 62 CH_A300.00~CH_A400.00 Mon 25/4/14 Sat 25/7/12 Mon 25/4/14 Sat 25/7/12 Mon 25/4/14 Sat 25/7/12 90 days 0 days 63 Sheetpiling & Temp. Drainage Diversion 48 days Mon 25/4/14 Sat 25/5/31 Mon 25/4/14 Sat 25/5/31 Mon 25/4/14 Sat 25/5/31 ling machine, Ix Lorry Cran 0 days Excavation and Lateral Support Lx Excavator, 1x dump truck, 2x labour 64 48 days Sat 25/4/26 Thu 25/6/12 Sat 25/4/26 Thu 25/6/12 Sat 25/4/26 Thu 25/6/12 63FS-36 days 0 days 55 Ground and Edge Beams 44 days Thu 25/5/8 Fri 25/6/20 Thu 25/5/8 Fri 25/6/20 Thu 25/5/8 Fri 25/6/20 0 days 66 28 days Thu 25/5/8 Wed 25/6/4 Thu 25/5/8 Wed 25/6/4 Thu 25/5/8 Wed 25/6/4 0 days 64FS-36 days Install precast portion (ground beam) 67 Bx rebar fixers Rebar Fixing Thu 25/5/22 Tue 25/6/10 Thu 25/5/22 Tue 25/6/10 Thu 25/5/22 Tue 25/6/10 0 days 66FS-14 days 20 days 68 20 days Formwork Erection and Cast-in items Sun 25/6/1 Fri 25/6/20 Sun 25/6/1 Fri 25/6/20 Sun 25/6/1 Fri 25/6/20 0 days 67FS-10 days 69 1 dav Wed 25/6/11 Wed 25/6/11 Wed 25/6/11 Wed 25/6/11 Wed 25/6/11 Wed 25/6/11 0 days 68FS-10 days 70 30 days Thu 25/6/12 Fri 25/7/11 Thu 25/6/12 Fri 25/7/11 Thu 25/6/12 Fri 25/7/11 71 Rebar Fixing 20 days Thu 25/6/12 Tue 25/7/1 Thu 25/6/12 Tue 25/7/1 Thu 25/6/12 Tue 25/7/1 0 days 72 71FS-10 days 3k carpenters Formwork Erection and Cast-in items 20 days Sun 25/6/22 Fri 25/7/11 Sun 25/6/22 Fri 25/7/11 Sun 25/6/22 Fri 25/7/11 1 gang,concrete mixers.pu 73 Wed 25/7/2 Wed 25/7/2 1 day Wed 25/7/2 Wed 25/7/2 Wed 25/7/2 Wed 25/7/2 0 days 72FS-10 days 74 Backfilling and Compaction 10 days Thu 25/7/3 Sat 25/7/12 Thu 25/7/3 Sat 25/7/12 Thu 25/7/3 Sat 25/7/12 lx Excavator, 1x dump truck 75 Sat 25/7/12 Thu 25/7/3 Sat 25/7/12 Thu 25/7/3 74FS-10 days Ix Sheetpiling machine, 1x torry Cran-Removal of Sheetpile 10 days Thu 25/7/3 Sat 25/7/12 0 days 76 Animal Escape Ramp 21 days Sun 25/7/13 Sat 25/8/2 Sun 25/7/13 Sat 25/8/2 Fri 26/5/29 Thu 26/6/18 320 days 77 Sat 25/8/16 Sun 25/7/13 Sat 25/8/16 Fri 26/5/15 1:2 slope works 35 days Sun 25/7/13 Thu 26/6/18 306 days 62 78 Demolish & relocate wall, hoarding YLL796/B/13,13B 14 days Thu 25/7/3 Wed 25/7/16 Thu 25/7/3 Wed 25/7/16 Thu 25/7/3 Wed 25/7/16 0 days 62FS-10 days 79 Demolish & relocate OSC YLL796/B/14A,14B Wed 25/7/16 Thu 25/7/3 62FS-10 days 14 days Thu 25/7/3 Wed 25/7/16 Thu 25/7/3 Wed 25/7/16 0 days 80 Demolish & relocate fence & wall YLL796/B/14 14 days Thu 25/7/3 Wed 25/7/16 Thu 25/7/3 Wed 25/7/16 Thu 25/7/3 Wed 25/7/16 62FS-10 days CH.A200.00~CH.A300.00 81 110 days Mon 25/7/7 Fri 25/10/24 Mon 25/7/7 Fri 25/10/24 Mon 25/7/7 Fri 25/10/24 0 days 82 Sheetpiling & Temp, Drainage Diversion 48 days Mon 25/7/7 Sat 25/8/23 Mon 25/7/7 Sat 25/8/23 Mon 25/7/7 Sat 25/8/23 0 days 78FS-10 days.7 1x Sheetpiling machine, 1x Lorry Crane 83 Thu 25/9/4 Sat 25/7/19 Thu 25/9/4 Sat 25/7/19 Thu 25/9/4 82FS-36 days 1x Excavator, 1x dump truck, 2x labou Excavation and Lateral Support 48 days Sat 25/7/19 0 days 84 Ground and Edge Beams Fri 25/9/12 Thu 25/7/31 Fri 25/9/12 Thu 25/7/31 44 days Thu 25/7/31 Fri 25/9/12 83FS-36 days Thu 25/7/31 85 Wed 25/8/27 Thu 25/7/31 Wed 25/8/27 Thu 25/7/31 Wed 25/8/27 1x Lorry Crane 2x lat Install precast portion (ground beam) 28 day 0 days 86 Rebar Fixing 20 days Thu 25/8/14 Tue 25/9/2 Thu 25/8/14 Tue 25/9/2 Thu 25/8/14 Tue 25/9/2 85FS-14 days 3x rebar fixers 87 Formwork Erection and Cast-in items Sun 25/8/24 Fri 25/9/12 Sun 25/8/24 Fri 25/9/12 Sun 25/8/24 Fri 25/9/12 86FS-10 days 3x carpenters 20 days 0 days 87FS-10 days 88 Wed 25/9/3 Wed 25/9/3 Wed 25/9/3 Wed 25/9/3 1 gang.concrete m Concreting Wed 25/9/3 Wed 25/9/3 0 days 89 Fri 25/10/3 Thu 25/9/4 Fri 25/10/3 Thu 25/9/4 Fri 25/10/3 Walls 30 day Thu 25/9/4 0 days 90 Rebar Fixing 20 days Thu 25/9/4 Tue 25/9/23 Thu 25/9/4 Tue 25/9/23 Thu 25/9/4 Tue 25/9/23 0 days 3x rehar fixers 91 Formwork Erection and Cast-in items Sun 25/9/14 Fri 25/10/3 Sun 25/9/14 Fri 25/10/3 Sun 25/9/14 Fri 25/10/3 90FS-10 days 3x carpenters 20 day 0 days 91FS-10 days 92 Wed 25/9/24 Wed 25/9/24 Wed 25/9/24 Wed 25/9/24 Wed 25/9/24 1 gang concrete mixers, pump truck Concreting 1 day Wed 25/9/24 1x Excavator 1x dump truck 93 Backfilling and Compaction Tue 25/10/14 Thu 25/9/25 Tue 25/10/14 Thu 25/9/25 Tue 25/10/14 20 day Thu 25/9/25 0 days 94 Removal of Sheetpiles 20 day Sun 25/10/5 Fri 25/10/24 Sun 25/10/5 Fri 25/10/24 Sun 25/10/5 Fri 25/10/24 93FS-10 days 1x Sheetpiling machine, 1x Lorry Crane 95 CH_A100.00~CH A200.00 Wed 25/10/15 Mon 26/1/12 Wed 25/10/15 Mon 26/1/12 Wed 25/10/15 Mon 26/1/12 90 day 0 days 1x Sheetpiling machine,1x Lorry Crane 96 Sheetpiling & Temp, Drainage Diversion 48 days Wed 25/10/15 Mon 25/12/1 Wed 25/10/15 Mon 25/12/1 Wed 25/10/15 Mon 25/12/1 94FS-10 days 0 days 96FS-36 days 97 Excavation and Lateral Support Mon 25/10/27 Sat 25/12/13 Mon 25/10/27 Sat 25/12/13 Mon 25/10/27 Sat 25/12/13 1x Excavator, 1x dump truck, 2x labour 48 days 0 days 98 Ground and Edge Beams 44 days Sat 25/11/8 Sun 25/12/21 Sat 25/11/8 Sun 25/12/21 Sat 25/11/8 Sun 25/12/21 0 days

 $\label{eq:def:Drain: LI/S} $$ \Pr[D/S], size+type, bedding, length(m), depth(m) $$ U-Channel: \{U/S\}-\{D/S\}, size+type, length(m) $$ Prainage Channel: \{U/S}-\{D/S\}. $$$

Date: 30 April 2024

Revision : 8.0

´Task

Critical Task

Progress

Milestone

•

Summary

Rolled Up Task

Rolled Up Progress

External Tasks

Project Summary

Group By Summary

Deadline

Rolled Up Critical Task

Rolled Up Milestone 🔷

WING TAT CIVIL ENGINEERING CO LTD CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME Total Slack TRA Predecessors Half Task Name Farly Start Farly Finish Late Start Late Finish Fri 25/12/5 Sat 25/11/8 Fri 25/12/S Sat 25/11/8 Fri 25/12/5 0 97FS-36 days nstall precast portion (ground beam) 28 days Sat 25/11/8 Bx rebar fixers Thu 25/12/11 Sat 25/11/22 Thu 25/12/11 99FS-14 days 100 Rebar Fixing Sat 25/11/22 Thu 25/12/11 Sat 25/11/22 0 days 20 days 3x carpenters 100FS-10 day 101 Sun 25/12/21 Tue 25/12/2 Sun 25/12/21 Tue 25/12/2 Sun 25/12/21 Formwork Erection and Cast-in items 20 days L1 gang.concrete mixers.pump truck 102 Fri 25/12/12 Fri 25/12/12 101FS-10 days Fri 25/12/12 Fri 25/12/12 Fri 25/12/12 0 days Concreting 1 day 103 Sat 25/12/13 Mon 25/12/22 Sat 25/12/13 Mon 25/12/22 Sat 25/12/13 ########### 10 days 0 days 104 Sat 25/12/13 Mon 25/12/22 Sat 25/12/13 Mon 25/12/22 Sat 25/12/13 Mon 25/12/22 0 days 102 3x rebar fixers 105 Sat 25/12/13 Mon 25/12/22 Sat 25/12/13 Mon 25/12/22 Sat 25/12/13 Mon 25/12/22 104FS-10 days 3x carpenters Formwork Erection and Cast-in Items 0 days ana concrete mixers pump truck 106 Sat 25/12/13 Sat 25/12/13 Sat 25/12/13 Sat 25/12/13 Sat 25/12/13 105FS-10 days Sat 25/12/13 0 days Concreting 1x Excavator,1x dump truck 107 Sun 25/12/14 Fri 26/1/2 Sun 25/12/14 Fri 26/1/2 Sun 25/12/14 Fri 26/1/2 106 Backfilling and Compaction 20 days 0 days 1x Sheetpiling machine,1x Lorry Crane 108 Removal of Sheetpiles 20 days Wed 25/12/24 Mon 26/1/12 Wed 25/12/24 Mon 26/1/12 Wed 25/12/24 Mon 26/1/12 0 davs 107FS-10 days 109 Demolish & relocate wall and porch YLL796/B/5,5A Fri 26/1/16 Sat 26/1/3 Fri 26/1/16 Fri 26/6/5 Thu 26/6/18 153 days 108FS-10 days 14 days Sat 26/1/3 110 Demolish & relocate booth, metal frame YLL796/B/16 Sat 26/1/3 Fri 26/1/16 Sat 26/1/3 Fri 26/1/16 Fri 26/6/5 Thu 26/6/18 153 days 95E5-10 days 14 days Demolish & relocate wall YLL796/B/17 Sat 26/1/3 Fri 26/1/16 Sat 26/1/3 Fri 26/1/16 Fri 26/6/5 Thu 26/6/18 153 days 95FS-10 days 111 14 days 112 Relocate/Divert ex. Utilities 14 days Tue 26/1/13 Mon 26/1/26 Tue 26/1/13 Mon 26/1/26 Tue 26/1/13 Man 26/1/26 0 days 108 113 CH.A0.00~CH.A100.00 130 days Mon 26/1/12 Thu 26/5/21 Mon 26/1/12 Thu 26/5/21 Mon 26/1/12 Thu 26/5/21 0 days 1x Sheetpiling machine,1x Lorry Crane 114 Sheetpiling & Temp Drainage Diversion 48 days Mon 26/1/12 Sat 26/2/28 Mon 26/1/12 Sat 26/2/28 Mon 26/1/12 Sat 26/2/28 0 days 112FS-15 days 1x Excavator,1x dump truck,2x labour 115 Excavation and Lateral Support 48 days Sat 26/1/24 Thu 26/3/12 Sat 26/1/24 Thu 26/3/12 Sat 26/1/24 Thu 26/3/12 0 days 114FS-36 days 116 Ground and Edge Beams 44 days Thu 26/2/5 Fri 26/3/20 Thu 26/2/5 Fri 26/3/20 Thu 26/2/5 Fri 26/3/20 0 days 1x Lorry Crane,2x labour 117 Install precast portion (ground beam) 28 days Thu 26/2/5 Wed 26/3/4 Thu 26/2/5 Wed 26/3/4 Thu 26/2/5 Wed 26/3/4 0 davs 115FS-36 days 3x rebar fixers 117FS-14 days 118 20 days Thu 26/2/19 Tue 26/3/10 Thu 26/2/19 Tue 26/3/10 Thu 26/2/19 Tue 26/3/10 0 days Rebai Fixing 3x carpenters 118FS-10 days 119 Formwork Erection and Cast-in items 20 days Sun 26/3/1 Fri 26/3/20 Sun 26/3/1 Fri 26/3/20 Sun 26/3/1 Fri 26/3/20 0 days gang,concrete mixers,pump truck 120 Concreting 1 day Wed 26/3/11 Wed 26/3/11 Wed 26/3/11 Wed 26/3/11 Wed 26/3/11 Wed 26/3/11 0 days 119FS-10 days 121 50 days Thu 26/3/12 Thu 26/4/30 Thu 26/3/12 Thu 26/4/30 Thu 26/3/12 Thu 26/4/30 0 days Walls rebar fixers 122 Rehar Fixing 20 days Thu 26/3/12 Tue 26/3/31 Thu 26/3/12 Tue 26/3/31 Thu 26/3/12 Tue 26/3/31 0 davs 120 3x carpenters 122FS+10 days 123 Formwork Erection and Cast-in items 20 days Sat 26/4/11 Thu 26/4/30 Sat 26/4/11 Thu 26/4/30 Sat 26/4/11 Thu 26/4/30 0 days 1 gang.concrete mixers,pump truck Concreting 123FS-10 days 124 1 day Tue 26/4/21 Tue 26/4/21 Tue 26/4/21 Tue 26/4/21 Tue 26/4/21 Tue 26/4/21 0 days Ix Excavator, 1x dump truck 125 Backfilling and Compaction 20 days Wed 26/4/22 Mon 26/5/11 Wed 26/4/22 Mon 26/5/11 Wed 26/4/22 Mon 26/5/11 0 days 0 124 125FS-10 days 1x Sheetpiling machine, 1x Lorry Crane 126 Removal of Sheetpiles 20 davs Sat 26/5/2 Thu 26/5/21 Sat 26/5/2 Thu 26/5/21 Sat 26/5/2 Thu 26/5/21 0 days 127 Thu 26/6/18 Fri 26/5/22 Thu 26/6/18 Pedestrian Crossing no. 2 28 days Fri 26/5/22 Thu 26/6/18 Fri 26/5/22 0 days 0 126 128 Connection to ex. Stream 28 days Fri 26/5/22 Thu 26/6/18 Fri 26/5/22 Thu 26/6/18 Fri 26/5/22 Thu 26/6/18 0 days 0 126 129 U-channels 28 days Fri 26/5/22 Thu 26/6/18 Fri 26/5/22 Thu 26/6/18 Fn 26/5/22 Thu 26/6/18 0 days 0 126 Elevated Working Platform, builder Thu 26/6/18 Fri 26/5/22 Thu 26/6/18 126 130 Facing stone 28 days Fri 26/5/22 Thu 26/6/18 Fri 26/5/22 0 days Thu 26/6/18 Fri 26/5/22 126 131 ABWF works 28 days Fri 26/5/22 Thu 26/6/18 Fri 26/5/22 Thu 26/6/18 0 days 0 132 Bedding works 28 days Fri 26/5/22 Thu 26/6/18 Fri 26/5/22 Thu 26/6/18 Fri 26/5/22 Thu 26/6/18 0 days 0 126 104 105 1071 days Tue 23/5/30 Mon 26/5/4 Tue 23/5/30 Mon 26/5/4 Tue 23/5/30 Mon 26/5/4 Section II 0 days Tue 23/5/30 Mon 23/12/25 Tue 23/5/30 Mon 23/12/25 Tue 23/5/30 Mon 23/12/25 0 days \\WingTatNas0 access date of Portion B 210 days Tue 25/8/26 Tue 23/5/30 Tue 23/5/30 Tue 25/8/26 Tue 23/5/30 Tue 25/8/26 0 days \\WingTatNas0 section II (Tai Wo) 820 days Mon 26/5/4 Wed 25/8/27 Mon 26/5/4 Mon 26/5/4 Wed 25/8/27 Planned Completion Day 251 days Wed 25/8/27 0 days Fri 23/10/20 Fri 23/10/20 \\WingTatNas(144 days Tue 23/5/30 Fri 23/10/20 Tue 23/5/30 Tue 23/5/30 0 days Early access [A] Tue 23/9/26 Sun 24/12/29 Tue 23/9/26 Sun 24/12/29 Sat 23/10/21 Mon 26/5/4 25 days 461 days Site Establishment Mon 26/5/4 \\WingTatNas0 Prepare and Accept Temp, Works Design and Method Statement 461 days Tue 23/9/26 Sun 24/12/29 Tue 23/9/26 Sun 24/12/29 Wed 25/1/29 491 days 61 days 5FS-1 day Tue 24/1/30 Wed 23/12/20 Sun 24/3/31 Tue 24/1/30 Fri 23/10/20 Public Liaison and Negotiation with Village Rep. 103 days Fri 23/10/20 Sat 23/10/21 Mon 24/1/8 Sat 23/10/21 Mon 24/1/8 0 days Initial Survey 80 days Sat 23/10/21 Mon 24/1/8 0 days 10 Sat 23/10/21 Mon 24/1/8 \$at 23/10/21 Mon 24/1/8 Sat 23/10/21 Mon 24/1/8 Initial Safety & Environmental measures 80 days 12 Wed 24/2/21 Wed 24/2/21 Wed 24/2/21 Mon 24/4/8 Mon 24/4/8 47 days EIAO Commencement of Construction Wed 24/2/21 1 day 13 Environmental Baseline Monitoring Tue 24/1/23 Tue 24/2/6 Tue 24/1/23 Tue 24/2/6 Sun 24/3/10 Sun 24/3/24 47 days 12FS-30 days 15 days 14 Sat 24/2/17 Sat 23/10/21 Sat 24/2/17 Wed 24/6/26 Wed 24/10/23 249 days Subcontracting of works 120 days Sat 23/10/21 15 Preparation of tendering documents 30 days Sat 23/10/21 Sun 23/11/19 Sat 23/10/21 Sun 23/11/19 Wed 24/6/26 249 days 16 Mon 23/11/20 Thu 24/1/18 Mon 23/11/20 Thu 24/1/18 Fri 24/7/26 Mon 24/9/23 249 days 15 EWN007 Ambiguities on drawings 60 days C9 Tendering procedure for Tai Wo RC works Tue 24/9/24 17 Fri 24/1/19 Sat 24/2/17 Fri 24/1/19 Sat 24/2/17 Wed 24/10/23 249 days 16 30 days 19 10.9 Tue 24/1/9 Sun 24/3/24 Tue 24/1/9 Sun 24/3/24 Tue 24/1/9 Sun 24/3/24 0 days Setup of instrumentation and monitoring 76 days veyor / Structural Engineer 20 10,9 Condition Survey [A] 15 days Tue 24/1/9 Tue 24/1/23 Tue 24/1/9 Tue 24/1/23 Sun 24/3/10 Sun 24/3/24 61 days 21 Tue 24/1/9 Fri 24/3/8 Tue 24/1/9 Fri 24/3/8 Thu 24/1/25 Sun 24/3/24 10,9 onmental Team - Ecologist Freshwater Crab Translocation Plan 60 days 22 Tue 24/1/9 Tue 24/1/23 Tue 24/1/9 Tue 24/1/23 Wed 24/1/17 Wed 24/1/31 8 days 10.9 Tree Survey [A] 15 days Sat 24/3/23 23 [PMIxxx] TPRP for Additional Trees (impact to be ascertained) 60 days Wed 24/1/24 Sat 24/3/23 Wed 24/1/24 Thu 24/2/1 Sun 24/3/31 8 days 22 24 Tue 24/1/9 10.9 aking good or leasing of private land may be required Establish access(es) to channels 15 days Tue 24/1/9 Tue 24/1/23 Tue 24/1/9 Tue 24/1/23 Tue 24/1/23 0 days 25 [NCExxx] [EWN008] Blockade of access by other 68 days Wed 24/1/24 Sun 24/3/31 Wed 24/1/24 Sun 24/3/31 Wed 24/1/24 Sun 24/3/31 0 days Competent Person (UU) 2x labour, 1 grab truck 26 Sat 24/3/9 Fri 24/3/15 Mon 24/3/25 20,21,24 7 days Sat 24/3/9 Fri 24/3/15 Sun 24/3/31 16 days UU detection [A] Mon 24/3/25 Sun 24/3/31 Mon 24/3/25 Sun 24/3/31 27 Site Clearance [A] 7 days Mon 24/3/25 Sun 24/3/31 0 days 22,19,13 28 Mon 26/5/4 Mon 24/4/1 Mon 26/5/4 Mon 24/4/1 Mon 26/5/4 Drainage Channels Works (Dry Season Oct-Mar only) 764 days Mon 24/4/1 0 days 29 [NCExxx] No works for wet season 183 days Mon 24/4/1 Mon 24/9/30 Mon 24/4/1 Mon 24/9/30 Mon 24/4/1 Mon 24/9/30 27.26.8.25.23 30 Tue 24/10/22 Tue 24/10/1 1x lorry crane. 3x labour, 1x welder Guarding / Barrier / Hoarding 22 days Tue 24/10/1 Tue 24/10/22 Tue 24/10/1 Tue 24/10/22 0 days 29 31 Demolish fences and temp, structure Tue 24/10/1 Mon 24/10/14 Tue 24/10/1 Mon 24/10/14 Tue 24/10/1 Mon 24/10/14 0 days 29 32 Tue 24/10/1 Man 24/10/14 Tue 24/10/1 Mon 24/10/14 Tue 24/10/1 Mon 24/10/14 Demolish & relocate hoarding, fencing YLL803 0 days 29 33 CH.A200~CH.A288.29 118 days Tue 24/10/15 Sun 25/2/9 Tue 24/10/15 Sun 25/2/9 Tue 24/10/15 Sun 25/2/9 0 days 34 Thu 24/11/28 Tue 24/10/15 Thu 24/11/28 Tue 24/10/15 Thu 24/11/28 31.32.30FS-8 d 1x Sheetpiling machine.1x lorry crane Sheetpiling & Temp. Drainage Diversion (for non-open-cut portions) 45 days Tue 24/10/15 0 days 35 Sat 24/12/7 Thu 24/10/24 Sat 24/12/7 Thu 24/10/24 Sat 24/12/7 34FS-36 days,1 1x Excavator.1x dump truck.2x labour Excavation and Lateral Support 45 days Thu 24/10/24 36 Fri 24/12/20 Sat 24/11/2 Fri 24/12/20 Sat 24/11/2 Fri 24/12/20 Base Slab 49 days Sat 24/11/2 0 days 3x rebar fixers 37 Rebar Fixing 35 days Sat 24/11/2 Fri 24/12/6 Sat 24/11/2 Fri 24/12/6 Sat 24/11/2 Fri 24/12/6 35FS-36 days 38 Fri 24/12/20 Sat 24/11/16 Fri 24/12/20 Sat 24/11/16 Fri 24/12/20 37FS-21 days 3x carpenters Formwork Erection and Cast-in items 35 days Sat 24/11/16 0 days 39 Sat 24/11/30 Sat 24/11/30 Sat 24/11/30 Sat 24/11/30 Sat 24/11/30 38FS-21 days 1 gang concrete mixers pump truck Sat 24/11/30 0 days 40 Sun 24/12/1 Sat 25/1/18 Sun 24/12/1 49 days Sun 24/12/1 Sat 25/1/18 5at 25/1/18 0 days 3x rebar fixers 41 Rebar Fixing 35 days Sun 24/12/1 Sat 25/1/4 Sun 24/12/1 Sat 25/1/4 Sun 24/12/1 Sat 25/1/4 0 days 42 Sun 24/12/15 Sat 25/1/18 Sun 24/12/15 Sat 25/1/18 Sun 24/12/15 Sat 25/1/18 41FS-21 days 3x carpenters Formwork Erection and Cast-in Items 35 days 0 days 43 Sun 24/12/29 Sun 24/12/29 Sun 24/12/29 Sun 24/12/29 Sun 24/12/29 Sun 24/12/29 42FS-21 days 1 gang.concrete mixers,pump truck 0 days 44 Tue 25/1/28 Mon 24/12/30 Tue 25/1/28 Mon 24/12/30 Tue 25/1/28 Backfilling and Compaction 30 days Mon 24/12/30 0 days 43 44FS-18 days 45 Removal of Sheetpiles 30 days Sat 25/1/11 Sun 25/2/9 Sat 25/1/11 Sun 25/2/9 Sat 25/1/11 Sun 25/2/9 0 days 46 16 days Thu 25/1/23 Fri 25/2/7 Thu 25/1/23 Fri 25/2/7 Thu 25/1/23 Fri 25/2/7 0 days 45FS-18 days Connection to ex. Channel at Outlet 47 CH.A100~CH.A200 Fri 25/1/24 Mon 25/3/31 Fri 25/1/24 Mon 25/3/31 Fri 25/1/24 Mon 25/3/31 67 days 0 days 48 Sheetpiling & Temp. Drainage Diversion (for non-open-cut portions) Sun 25/3/9 Fri 25/1/24 Sun 25/3/9 Fri 25/1/24 Sun 25/3/9 0 days 46FS-15 days 45 days Fri 25/1/24 Sun 25/2/2 Tue 25/3/18 Sun 25/2/2 1x Excavator, 1x dump truck, 2x labour 49 Excavation and Lateral Support Tue 25/3/18 Sun 25/2/2 Tue 25/3/18 0 days 48FS-36 days 45 days Group By Summary Rolled Up Critical Task External Tasks Progress Rolled Up Progress Summary Revision: 8.0 Date: 30 April 2024 Deadline Critical Task Milestone Rolled Up Task Rolled Up Milestone Split Project Summary Charles of the last

Drain: {U/S}~{D/S},size+type,bedding,length(m),depth(m) U-Channel: {U/S}~{D/S},size+type,length(m) Drainage Channel: {U/S}~{D/S}

WING TAT CIVIL ENGINEERING CO LTD

CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2
PROJECT PROGRAMM

					CON	TRACT NO. DC/	2022/02 - DRAINAGE IMPROVE PROJECT PROG	MENT WORKS AT YUEN LONG - STAGE 2 RAMME
ID T	ask Name	Duration	Start Finish	Early Start Early	Inish Late Start	Late Finish	Total Slack TRA Predecesse	s Half 1 2023, Half 2 2024, Half 1 2024, Half 2 2025, Half 1 2025, Half 2 2026, Half 1 2026, Half 2 2027,
50	Base Slab	49 days Tue	e 25/2/11 Mon 25/3/31	Tue 25/2/11 Mon 2	5/3/31 Tue 25/2/11	Mon 25/3/31	0 days	A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M
51	Rebar Fixing		e 25/2/11 Mon 25/3/17	Tue 25/2/11 Mon 2			0 days 1 49FS-36 da	
52 53	Formwork Erection and Cast-in items Concreting	,	e 25/2/25 Mon 25/3/31 on 25/3/31 Mon 25/3/31				0 days 1 51FS-21 day 0 days 0 52FS-1 day	3 x carpenters
54	No works at wet season		ue 25/4/1 Tue 25/9/30		7/9/30 Tue 25/4/1		0 days 0 5213-1 day	- garageorate among pulip was
55	CH_A100~CH_A200 (continue)	-	d 25/10/1 Wed 25/12/17	Wed 25/10/1 Wed 2	/12/17 Wed 25/10/	1 Wed 25/12/17	0 days	
56	Walls	,	d 25/10/1 Tue 25/11/18		/11/18 Wed 25/10/		0 days	
57 58	Rebar Fixing Formwork Erection and Cast-in Items	,	ed 25/10/1 Tue 25/11/4 d 25/10/15 Tue 25/11/18	Wed 25/10/1 Tue 2		Tue 25/11/4 Tue 25/11/18	0 days 1 54 0 days 1 57FS-21 da	s 3x carpenters
59	Concreting					9 Wed 25/10/29	0 days 0 58FS-21 da	The state of the s
60	Backfilling and Compaction	35 days Thu	25/10/30 Wed 25/12/3	Thu 25/10/30 Wed 2		Wed 25/12/3	0 days 0 59	1x dump truck,1x Excavator
61 62	Removal of Sheetpiles	,	25/11/13 Wed 25/12/17			Wed 25/12/17	0 days 0 60FS-21 da	1x lorry crane, 1x Sheetpiling machine
63	CH.A19.69~CH.A100 Sheetpiling & Temp. Drainage Diversion (for non-open-cut portions)	•	25/11/27 Tue 26/3/31 25/11/27 Sat 26/1/10	Thu 25/11/27 Tue 2 Thu 25/11/27 Sat 2			0 days 0 days 1 61FS-21 da	5
64	Excavation and Lateral Support	*	t 25/12/6 Mon 26/1/19	Sat 25/12/6 Mon 2			0 days 1 63FS-36 da	75
65	Base Slab	-	n 25/12/15 Sun 26/2/1	######## Sun 2		₩ Sun 26/2/1	0 days	as rebar fixers
66 67	Rebar Fixing Formwork Erection and Cast-in items	,	n 25/12/15 Sun 26/1/18 n 25/12/29 Sun 26/2/1	Mon 25/12/15 Sun 2 Mon 25/12/29 Sun 2		5 Sun 26/1/18 9 Sun 26/2/1	0 days 1 64FS-36 da 0 days 1 66FS-21 da	· · · · · · · · · · · · · · · · · · ·
68	Concreting	-	on 26/1/12 Mon 26/1/12				0 days 0 67FS-21 da	THE PARTY OF THE P
69	Walls	,	e 26/1/13 Mon 26/3/2	Tue 26/1/13 Mon			0 days	
70 71	Rebar Fixing Formwork Erection and Cast-in items	,	e 26/1/13 Mon 26/2/16 e 26/1/27 Mon 26/3/2	Tue 26/1/13 Mon 2 Tue 26/1/27 Mon	5/2/16 Tue 26/1/13 6/3/2 Tue 26/1/27		0 days 1 68 0 days 1 70FS-21 da	3x carpenters
72	Concreting	-	e 26/2/10 Tue 26/2/10	Tue 26/2/10 Tue 2			0 days 0 71FS-21 da	The state of the s
73	Backfilling and Compaction	35 days Wed	ed 26/2/11 Tue 26/3/17	Wed 26/2/11 Tue 2	/3/17 Wed 26/2/1	L Tue 26/3/17	0 days 0 72	1x dump truck,1x Excavator
74	Removal of Sheetpiles	-	ed 26/2/25 Tue 26/3/31	Wed 26/2/25 Tue 2			0 days 0 73FS-21 da	prompt.
75 76	900 pipe with flap valve Box Culvert & Pedestrian Crossing	,	ed 26/3/11 Tue 26/3/31 ed 26/3/11 Tue 26/3/31	Wed 26/3/11 Tue 2 Wed 26/3/11 Tue 2			0 days 0 74FS-21 da 0 days 0 74FS-21 da	[Total
77	ABWF works	•	ed 26/3/11 Tue 26/3/31	Wed 26/3/11 Tue 2			0 days 0 74FS-21 da	
78	Bedding works		ed 26/3/11 Tue 26/3/31	Wed 26/3/11 Tue 2			0 days 0 74FS-21 da	
79 80	No works at wet season U-Channel Works	•	ed 26/4/1 Mon 26/5/4 t 26/3/14 Thu 26/4/23	Wed 26/4/1 Mon Sat 26/3/14 Thu 2			0 days 0 75,76,77,78 0 days	
81	U-Channel Works CH_A0,00~CH_A16,40,900CU,L=16.40	,	t 26/3/14 Thu 26/4/23	Sat 26/3/14 Thu 2			0 days	
82	Excavation and Lateral Support	30 days Sat	t 26/3/14 Sun 26/4/12	Sat 26/3/14 Sun 2	5/4/12 Sat 26/3/14	Sun 26/4/12	0 days 1 73FS-4 day	
83	Channel Formwork Erection		ed 26/3/25 Thu 26/4/23	Wed 26/3/25 Thu 2			0 days 1 82FS-19 da	page 4
85	Concreting Drain Laying Works	,	at 26/4/4 Sat 26/4/4 In 26/4/5 Mon 26/5/4	Sat 26/4/4 Sat 2 Sun 26/4/5 Mon	5/4/4 Sat 26/4/4 6/5/4 Sun 26/4/5		0 days 0 83FS-20 da 0 days	S Lamptonite e mixers
86	CH_A16_40~CH.A19_69,900PC,B,L=3.30,D=1.5		in 26/4/5 Mon 26/5/4		6/5/4 Sun 26/4/5		0 days	
87	Excavation and Lateral Support	,	ın 26/4/5 Wed 26/4/22	Sun 26/4/5 Wed 2			0 days 0 84	1x Excavator,1x dump truck
88 89	Drain Laying Bedding and Backfilling	-	on 26/4/13 Sun 26/4/26 ed 26/4/22 Thu 26/4/30	Mon 26/4/13 Sun 2 Wed 26/4/22 Thu 2			0 days 0 87FS-10 da 0 days 0 88FS-5 day	······································
90	Reinstatement	-	n 26/4/26 Mon 26/5/4	Sun 26/4/26 Mon			0 days 0 89FS-5 day	
106								
107 S	ection III access date of Portion C1 & C2	•	e 23/5/30 Mon 26/8/17 e 23/5/30 Fri 24/2/23	Tue 23/5/30 Mon 2 Tue 23/5/30 Fri 24	5/8/17 Tue 23/5/30 /2/23 Tue 23/5/30		0 days 0 \\WingTatl	asC
3	section (II (Lin Fa Tei)		e 23/5/30 Mon 26/7/27	Tue 23/5/30 Mon 2			0 days 0 \\WingTatl	
4	Planned Completion Day	,	e 26/7/28 Mon 26/8/17	Tue 26/7/28 Mon 2			0 days 0 3	
6	Early access (partial) [A] Site Establishment	,	e 23/5/30 Fri 23/12/15 e 23/9/12 Wed 26/4/22	Tue 23/5/30 Fri 23 Tue 23/9/12 Wed 2			70 days 0 \\WingTatl	ast.
7	Prepare and Accept Temp. Works Design and Method Statement	,	e 23/9/26 Wed 26/4/22	Tue 23/9/26 Wed 2			117 days 0 \\WingTatl	asc Training the property of t
8	Public Liaison and Negotiation with Village Rep.	•	e 23/9/12 Thu 24/2/22	Tue 23/9/12 Thu 2	/2/22 Tue 23/9/12	Thu 24/2/22	0 days 0 \\WingTatl	asC
11	Initial Survey Initial Safety & Environmental measures [A]	790 days Fri 14 days Fri	i 24/2/23 Wed 26/4/22 i 24/2/23 Thu 24/3/7	FII 24/2/23 VVQU 4	5/4/22 Wed 24/5/19 4/3/7 Fri 24/2/23	Thu 24/3/7	117 days 0 8,5FS-1 da 0 days 0 8,5FS-1 da	
13	EIAO Commencement of Construction [A]		ed 24/2/21 Tue 24/3/19		/3/19 Tue 26/7/21		881 days 0 \\WingTatl	*
15	Environmental Baseline Monitoring [A]	,	on 24/2/19 Mon 24/3/4		4/3/4 Mon 26/8/3		896 days 0 13FS-30 da	rs Environmental Team
16 17	Subcontracting of works	•	23/12/16 Wed 24/8/21	Sat 23/12/16 Wed 2			726 days 0 5	
18	Setup of instrumentation and monitoring [A] Condition Survey [A]		ri 24/3/8 Fri 24/3/22 ri 24/3/8 Fri 24/3/22		/3/22 Fri 24/3/8 /3/22 Fri 24/3/8	Fri 24/3/22 Fri 24/3/22	0 days 0 11 0 days 0 11	Building Surveyor / Structural Engineer
19	Freshwater Crab Translocation Plan [A]	15 days Fri	n 24/3/8 Fri 24/3/22	Fri 24/3/8 Fri 24	/3/22 Fri 24/3/8	Fri 24/3/22	0 days 0 11	Environmental Team - Ecologist
20	Archaeological Survey	•	ri 24/3/8 Wed 25/1/1		5/1/1 Tue 25/5/20		438 days 0 11	- Environmental Team - Achaeologist
21 22	Tree Survey [A] Vegetation Survey [A]	-	ri 24/3/8 Fri 24/3/22 rı 24/3/8 Fri 24/3/22		/3/22 Fri 24/3/8 /3/22 Fri 24/3/8	Fri 24/3/22 Fri 24/3/22	0 days 0 11 0 days 0 11	Environmental Team - Ecologist
23	UU detection [A]	•	t 24/3/23 Sat 24/4/6		1/4/6 Sat 24/3/23		0 days 0 18,19	Computent Person (UU)
24	Site Clearance [A]	-	t 24/3/23 Sat 24/4/6		1/4/6 Sat 24/3/23		0 days 0 21,17,11,2	2x labour, 1 grab truck
25 26	Establish access(es) to channels [A] Guarding / Barrier / Hoarding [A]		un 24/4/7 Wed 24/5/1 un 24/4/7 Wed 24/5/1		4/5/1 Sun 24/4/7 4/5/1 Sun 24/4/7		0 days 0 24,23 0 days 0 24,23	Widening, making good or leasing of private land may be required 1x lorry crane, 3x labour, 1x welder
27	Drainage Channels Works	,	uu 24/5/2 Mon 26/8/17	Thu 24/5/2 Mon 2			0 days 0 24,23	Tab John Straubur, Ax werder
28	Pedestrian & Vehicular Crossing no. 1		nu 24/5/2 Sat 24/6/15	Thu 24/5/2 Sat 2	/6/15 Thu 24/5/2	Sat 24/6/15	0 days 4 25,26	Temporary crossing
29	CLP Cable Trough	-	i 24/5/17 Sat 24/6/15		/6/15 Tue 24/7/16		60 days 3 28FF	
30 31	LFT05 CH.A163.00~CH.A173.50 Temp. Drainage Diversion / Sheetpiling	•	ın 24/6/9 Sat 24/8/17 ın 24/6/9 Fri 24/7/5	Sun 24/6/9 Sat 24 Sun 24/6/9 Fri 2	/8/17 Sun 24/6/9 1/7/5 Sun 24/6/9		0 days 0 days 0 28FS-7 day	1x Sheetpiling machine, 1x lorry crane
32	Excavation and Lateral Support	-	ed 24/6/19 Mon 24/7/15	Wed 24/6/19 Mon 2			0 days 0 31FS-17 day	2 Aug 1 1 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
33	Ground and Edge Beams	33 days Sat	t 24/6/29 Wed 24/7/31		4/7/31 Sat 24/6/29		0 days	
34 35	Rebar Fixing	-	t 24/6/29 Tue 24/7/23 un 24/7/7 Wed 24/7/31		7/7/23 Sat 24/6/29 4/7/31 Sun 24/7/7		0 days 0 32FS-17 da 0 days 0 34FS-17 da	in the second se
35	Formwork Erection and Cast-in Items Concreting	,	on 24/7/15 Mon 24/7/15				0 days 0 34FS-17 da 0 days 0 35FS-17 da	The toward of th
37	Walls	-	e 24/7/16 Sat 24/8/17	Tue 24/7/16 Sat 24			0 days	
38	Rebar Fixing		e 24/7/16 Fri 24/8/9	Tue 24/7/16 Fri 2			0 days 0 36	3x rebar fixers
39 40	Formwork Erection and Cast-in items Concreting		ed 24/7/24 Sat 24/8/17 nu 24/8/1 Thu 24/8/1		/8/17 Wed 24/7/24 4/8/1 Thu 24/8/1		0 days 0 38FS-17 da 0 days 0 39FS-17 da	7 April Component Componen
41	Concreting Backfilling and Compaction	,	rı 24/8/2 Sun 24/8/11		4/8/1 Fri 24/8/2		0 days 0 40	Lx dump truck, Lx Excavator
42	Removal of Sheetpiles	10 days Mo	on 24/8/5 Wed 24/8/14	Mon 24/8/5 Wed 2	4/8/14 Mon 24/8/5	Wed 24/8/14	0 days 0 41FS-7 day	
43	Demolish & relocate retaining wall YLL795/A/4-5	30 days Thu	u 24/7/25 Fri 24/8/23	Thu 24/7/25 Fri 24	/8/23 Thu 24/7/25	Fri 24/8/23	0 days 0 29FS-21 da	(5,4
Revision : 8.0	Date: 30 April 2024	Progress		Summary	*	Rolled Up Cr		Rolled Up Progress External Tasks Group By Summary
	Critical Task	Milestone	•	Rolled Up Task		Rolled Up Mi	llestone 🔷	Split Project Summary Deadline
Drain: {U/S}~{E	D/S),size+type,bedding,length(m),depth(m)						Page 4	

Drain: {U/S}-{D/S},size+type,bedding,length(m),depth(m) U-Channel: {U/S}-{D/S},size+type,length(m) Drainage Channel: {U/S}-{D/S}

WING TAT CIVIL ENGINEERING CO LTD CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME TRA Predecessors Task Name Late Start 2024, Half 2 2025, Half 1 2025, Half 2 2026, Half 1 2026, Half 2 2027 A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M Half I 2023, Half 2 2024, Half I A M J J A S O N D J F M A M J 44 LFT06 CH.A173.5~CH.A227.75 (PVC1) 90 days Sun 24/8/4 Fri 24/11/1 Sun 24/8/4 Fri 24/11/1 Sun 24/8/4 Fri 24/11/1 0 days 43FS-20 days 45 Temp. Drainage Diversion / Sheetpiling Sun 24/8/4 Wed 24/8/28 Sun 24/8/4 Wed 24/8/28 Sun 24/8/4 Wed 24/8/28 0 days 1 1x Sheetpiling machine, 1x lorry crane 25 days 45FS-17 days Excavation and Lateral Support Mon 24/8/12 Thu 24/9/5 Mon 24/8/12 Thu 24/9/5 Mon 24/8/12 Thu 24/9/5 1x Excavator, 1x dump truck, 2x labour 46 0 days 1 25 days 47 Ground and Edge Beams Tue 24/8/20 Sat 24/9/28 Tue 24/8/20 Sat 24/9/28 Tue 24/8/20 Sat 24/9/28 0 days 40 days 48 Install precast portion (ground beam) 28 days Tue 24/8/20 Mon 24/9/16 Tue 24/8/20 Mon 24/9/16 Tue 24/8/20 Mon 24/9/16 0 days 46FS-17 days Rebar Fixing Tue 24/8/27 Fri 24/9/20 Tue 24/8/27 Fri 24/9/20 Tue 24/8/27 0 days 48FS-21 days 3x rebar fixers 25 days 50 Formwork Erection and Cast-in Items 25 days Wed 24/9/4 Sat 24/9/28 Wed 24/9/4 Sat 24/9/28 Wed 24/9/4 Sat 24/9/28 0 days 49FS-17 days 3x carpenter 51 Concreting Thu 24/9/12 Thu 24/9/12 Thu 24/9/12 Thu 24/9/12 Thu 24/9/12 Thu 24/9/12 0 days 50FS-17 days 1 gang, concrete mixers, pump truck 1 day 52 33 days Fri 24/9/13 Tue 24/10/15 Fri 24/9/13 Tue 24/10/15 Fri 24/9/13 Tue 24/10/15 53 Rebar Fixing Fri 24/9/13 Mon 24/10/7 Fri 24/9/13 Mon 24/10/7 Fri 24/9/13 Mon 24/10/7 0 days 3x rebar fixed 54 Tue 24/10/15 Sat 24/9/21 Formwork Erection and Cast-in items Sat 24/9/21 Tue 24/10/15 Sat 24/9/21 Tue 24/10/15 53FS-17 days 3x carpente 1 gang, concrete mixers, pump truck 55 Sun 24/9/29 Sun 24/9/29 Sun 24/9/29 Sun 24/9/29 Sun 24/9/29 Sun 24/9/29 0 days 54FS-17 days Thu 24/10/24 Mon 24/9/30 Thu 24/10/24 1x Excavator, 1x dump truck 56 Backfilling and Compaction 25 days Mon 24/9/30 Thu 24/10/24 Mon 24/9/30 56FS-17 days 57 25 days Tue 24/10/8 Fri 24/11/1 Tue 24/10/8 Fri 24/11/1 Tue 24/10/8 Fri 24/11/1 0 days 1x Sheetpiling machine,1x lorry crane 58 Wed 24/10/16 Tue 24/11/5 Wed 24/10/16 Tue 24/11/5 Tue 26/7/28 Mon 26/8/17 57FS-17 days Animal Escape Ramps 21 days 650 days 57FS-17 days 59 Demolish & relocate retaining wall YLL796/A/5-6 Wed 24/10/16 Thu 24/11/14 Wed 24/10/16 Thu 24/11/14 Wed 24/10/16 Thu 24/11/14 30 days 0 days 50 Demolish & relocate AFCD Weir & pedestrian crossing Wed 24/10/16 Thu 24/11/14 Wed 24/10/16 Thu 24/11/14 Wed 24/10/16 Thu 24/11/14 30 days 57FS-17 days 61 LFT02 CH.A100.00~CH.A163.00 83 days Sat 24/10/26 Thu 25/1/16 Sat 24/10/26 Thu 25/1/16 Sat 24/10/26 Thu 25/1/16 0 days etpiling machine,1x lorry crane 62 Temp, Drainage Diversion / Sheetpiling Sat 24/10/26 Tue 24/11/19 Sat 24/10/26 Tue 24/11/19 Sat 24/10/26 Tue 24/11/19 59FS-20 days,6 25 day 0 days Excavation and Lateral Support 63 Sun 24/11/3 Wed 24/11/27 Sun 24/11/3 Wed 24/11/27 Sun 24/11/3 Wed 24/11/27 1x Excavator.1x dump truck.2x labour 25 day 0 days 62FS-17 days 64 Ground and Edge Beams 33 days Mon 24/11/11 Fri 24/12/13 ########## Fri 24/12/13 ######### Fri 24/12/13 Rebar Fixing 63FS-17 days Mon 24/11/11 Thu 24/12/5 65 25 days Mon 24/11/11 Thu 24/12/5 Mon 24/11/11 Thu 24/12/5 0 days 2x rebar fixer 66 Formwork Erection and Cast-in items Tue 24/11/19 Fri 24/12/13 Tue 24/11/19 Fri 24/12/13 Tue 24/11/19 Fri 24/12/13 65FS-17 days 2x carpenters 25 days 66FS-17 days 1 gang concrete mixers, pump truck 67 Concreting Wed 24/11/27 Wed 24/11/27 Wed 24/11/27 Wed 24/11/27 Wed 24/11/27 Wed 24/11/27 0 days 1 day 0 58 Walls 33 days Thu 24/11/28 Mon 24/12/30 Thu 24/11/28 Mon 24/12/30 Thu 24/11/28 ######## 0 days 59 Rehar Fixing 25 days Thu 24/11/28 Sun 24/12/22 Thu 24/11/28 Sun 24/12/22 Thu 24/11/28 Sun 24/12/22 0 days x rebar fixers 70 Formwork Erection and Cast-in items 25 days Fri 24/12/6 Mon 24/12/30 Fri 24/12/6 Mon 24/12/30 Fri 24/12/6 Mon 24/12/30 69FS-17 days 2x carpenters 0 days 0 70FS-17 days 1 gang.concrete mixers,pump truck 71 1 day Sat 24/12/14 Sat 24/12/14 Sat 24/12/14 Sat 24/12/14 Sat 24/12/14 Sat 24/12/14 Concreting 0 days 0 days 0 72 Backfilling and Compaction 25 days Sun 24/12/15 Wed 25/1/8 Sun 24/12/15 Wed 25/1/8 Sun 24/12/15 Wed 25/1/8 71 1x dump truck.1x Excavator 73 Removal of Sheetniles 25 days Mon 24/12/23 Thu 25/1/16 Mon 24/12/23 Thu 25/1/16 Mon 24/12/23 Thu 25/1/16 0 days 0 72FS-17 days 1x lorry crane,1x Sheetpiling machin 74 Pedestrian Crossing no. 2 21 days Tue 24/12/31 Mon 25/1/20 Tue 24/12/31 Mon 25/1/20 Tue 24/12/31 Mon 25/1/20 0 davs 73FS-17 days Temporary crossing 3 75 LFT07 CH.A227.5~CH.A300.75 90 days Tue 25/1/7 Sun 25/4/6 Tue 25/1/7 Sun 25/4/6 Tue 25/1/7 Sun 25/4/6 0 days Temp, Drainage Diversion / Sheetpiling 25 days Tue 25/1/7 Fri 25/1/31 Tue 25/1/7 Fri 25/1/31 Tue 25/1/7 Fri 25/1/31 74FS-14 days 0 days 0 77 Excavation and Lateral Support 25 days Wed 25/1/15 Sat 25/2/8 Wed 25/1/15 Sat 25/2/8 Wed 25/1/15 Sat 25/2/8 0 days 76FS-17 days 78 Ground and Edge Beams 40 days Thu 25/1/23 Mon 25/3/3 Thu 25/1/23 Mon 25/3/3 Thu 25/1/23 Mon 25/3/3 0 days 79 Install precast portion (ground beam) 28 days Thu 25/1/23 Wed 25/2/19 Thu 25/1/23 Wed 25/2/19 Thu 25/1/23 Wed 25/2/19 0 days 77FS-17 days 80 Rebar Fixing 25 days Thu 25/1/30 Sun 25/2/23 Thu 25/1/30 Sun 25/2/23 Thu 25/1/30 Sun 25/2/23 0 days 79FS-21 days 0 81 Formwork Erection and Cast-in items 25 days Fri 25/2/7 Mon 25/3/3 Fri 25/2/7 Mon 25/3/3 Fri 25/2/7 Mon 25/3/3 0 days 80FS-17 days 82 Concreting 1 day Sat 25/2/15 Sat 25/2/15 Sat 25/2/15 Sat 25/2/15 Sat 25/2/15 Sat 25/2/15 0 days 0 81FS-17 days 83 33 days Sun 25/2/16 Thu 25/3/20 Sun 25/2/16 Thu 25/3/20 Sun 25/2/16 Thu 25/3/20 0 days 84 Rebar Fixing 25 days Sun 25/2/16 Wed 25/3/12 Sun 25/2/16 Wed 25/3/12 Sun 25/2/16 Wed 25/3/12 0 days 85 Formwork Erection and Cast-in items 25 days Mon 25/2/24 Thu 25/3/20 Mon 25/2/24 Thu 25/3/20 Mon 25/2/24 Thu 25/3/20 0 days 84FS-17 days Ω 86 Concreting 1 day Tue 25/3/4 Tue 25/3/4 Tue 25/3/4 Tue 25/3/4 Tue 25/3/4 Tue 25/3/4 0 days Ω 85FS-17 days 87 Backfilling and Compaction Sat 25/3/29 Wed 25/3/5 25 days Wed 25/3/5 Sat 25/3/29 Wed 25/3/5 Sat 25/3/29 0 days 88 Removal of Sheetpiles Thu 25/3/13 Thu 25/3/13 Sun 25/4/6 Thu 25/3/13 87FS-17 days 25 days Sun 25/4/6 Sun 25/4/6 0 days 89 Pedestrian & Vehicular Crossing no. 2 Fri 25/3/21 Thu 25/4/17 Fri 25/3/21 Thu 25/4/17 Fri 25/3/21 88FS-17 days Temporary crossing 28 days Thu 25/4/17 0 days .90 Fri 25/3/28 Fri 25/3/28 Demolish & relocate retaining wall YLL796/A/14-15 30 days Fri 25/3/28 Sat 25/4/26 Sat 25/4/26 Sat 25/4/26 0 days 0 89FS-21 days 91 LFT08 CH.A300.75~CH.A391.0 Mon 25/4/7 Sat 25/7/5 Sat 25/7/5 Mon 25/4/7 Sat 25/7/5 90 days Mon 25/4/7 0 davs 92 Temp. Drainage Diversion / Sheetpiling Mon 25/4/7 Thu 25/5/1 Mon 25/4/7 1x Sheetpiling machine,1x lorry crane Thu 25/5/1 Mon 25/4/7 Thu 25/5/1 90FS-20 days 25 days 0 days 93 1x Excavator, 1x dump truck, 2x labou Excavation and Lateral Support Fri 25/5/9 Tue 25/4/15 Fri 25/5/9 Tue 25/4/15 25 days Tue 25/4/15 Fri 25/5/9 92FS-17 days 0 days Sun 25/6/1 Ground and Edge Beams 40 days Wed 25/4/23 Sun 25/6/1 Wed 25/4/23 Wed 25/4/23 Sun 25/6/1 0 days 95 Install precast portion (ground beam) 28 days Wed 25/4/23 Tue 25/5/20 Wed 25/4/23 Tue 25/S/20 Wed 25/4/23 Tue 25/5/20 93FS-17 days 1.1x forry crane.2x labou 0 days Rebar Fixing Sat 25/5/24 Wed 25/4/30 Sat 25/5/24 Wed 25/4/30 Sat 25/5/24 95FS-21 days 25 days Wed 25/4/30 0 days 97 Formwork Erection and Cast-in items Thu 25/5/8 Thu 25/5/8 3x carpenters 25 days Sun 25/6/1 Sun 25/6/1 Thu 25/5/8 Sun 25/6/1 96FS-17 days 0 days 98 Concreting Fri 25/5/16 Fri 25/5/16 Fri 25/5/16 1 gang, concrete mixers, pump truck Fri 25/5/16 Fri 25/5/16 Fri 25/5/16 97FS-17 days 1 day 0 days Sat 25/5/17 Wed 25/6/18 Sat 25/5/17 Wed 25/6/18 Sat 25/5/17 33 days Wed 25/6/18 0 days 3x rebar fixers 100 Rebar Fixing Sat 25/5/17 Sat 25/5/17 Tue 25/6/10 Sat 25/5/17 Tue 25/6/10 Tue 25/6/10 25 days 0 days 101 Formwork Erection and Cast-in items Sun 25/5/25 Sun 25/5/25 Wed 25/6/18 100FS-17 day 3x carpenters 25 days Wed 25/6/18 Sun 25/5/25 Wed 25/6/18 0 days 102 Concreting Mon 25/6/2 Mon 25/6/2 Mon 25/6/2 Mon 25/6/2 Mon 25/6/2 Mon 25/6/2 101FS-17 days 1 gang,concrete mixers,pump truck 1 day 0 days 103 Backfilling and Compaction 25 days Tue 25/6/3 Fri 25/6/27 Tue 25/6/3 Fri 25/6/27 Tue 25/6/3 Fri 25/6/27 1x Excavator, 1x dump truck 0 days 104 25 days Wed 25/6/11 Sat 25/7/5 Wed 25/6/11 Sat 25/7/5 Wed 25/6/11 Sat 25/7/5 103FS-17 days 1x Sheetpiling machine, 1x lorry crane 0 days 105 Pedestrian Crossing no. 4 21 days Thu 25/6/19 Wed 25/7/9 Thu 25/6/19 Wed 25/7/9 Thu 25/6/19 Wed 25/7/9 104FS-17 days Temporary crossing 0 days 106 Demolition of existing crassing Mon 25/6/23 Tue 25/7/22 Mon 25/6/23 Tue 25/7/22 Mon 25/6/23 Tue 25/7/22 105FS-17 days 30 days 0 days 107 LFT01 CH.A0.00~CH.A100.00 (PC1~PC2) 88 days Thu 25/7/3 Sun 25/9/28 Thu 25/7/3 Sun 25/9/28 Thu 25/7/3 Sun 25/9/28 0 days 108 1x Sheetpiling machine,1x lorry crane Temp. Drainage Diversion / Sheetpiling 25 days Thu 25/7/3 Sun 25/7/27 Thu 25/7/3 Sun 25/7/27 Thu 25/7/3 Sun 25/7/27 106FS-20 days 0 days 109 Excavation and Lateral Support 25 days Fri 25/7/11 Mon 25/8/4 Fri 25/7/11 Mon 25/8/4 Fri 25/7/11 Mon 25/8/4 108FS-17 davs 1x Excavator, 1x dump truck, 2x labour 0 days 110 Ground and Edge Beams 40 days Sat 25/7/19 Wed 25/8/27 Sat 25/7/19 Wed 25/8/27 Sat 25/7/19 Wed 25/8/27 0 days 111 Install precast portion (ground beam) 28 days Sat 25/7/19 Fri 25/8/15 Sat 25/7/19 Fri 25/8/15 Sat 25/7/19 Fri 25/8/15 109FS-17 days 0 days 112 25 days 2x rebar fixers Rebar Fixing Sat 25/7/26 Tue 25/8/19 Sat 25/7/26 Tue 25/8/19 Sat 25/7/26 Tue 25/8/19 0 days 111FS-21 days 113 Formwork Erection and Cast-in items 25 days Sun 25/8/3 Wed 25/8/27 Sun 25/8/3 Wed 25/8/27 Sun 25/8/3 Wed 25/8/27 112FS-17 days 2x carpenters 0 days 114 Concreting Mon 25/8/11 Mon 25/8/11 Mon 25/8/11 Mon 25/8/11 Mon 25/8/11 Mon 25/8/11 113FS-17 days 1 gang, concrete mixers, pump truck 1 day 0 days 115 33 days Tue 25/8/12 Sat 25/9/13 Tue 25/8/12 Sat 25/9/13 Tue 25/8/12 Sat 25/9/13 0 days 2x rebar fixers 116 25 days Tue 25/8/12 Fri 25/9/5 Tue 25/8/12 Fri 25/9/5 Tue 25/8/12 Fri 25/9/5 0 days

Drain: {U/S}~[D/S],size+type,bedding,length(m),depth(m) U-Channel: {U/S}~{D/S},size+type,length(m) Drainage Channel: {U/S}~{D/S}

Formwork Erection and Cast-in items

Demolish & relocate retaining wall YLL796/A/20-22

'Task

Critical Task

Temp. Drainage Diversion / Sheetpili

Excavation and Lateral Support

Concreting

Pedestrian Crossing no. 1

Backfilling and Compaction

LFT09 CH A391.00-CH A464.00

Date: 30 April 2024

25 days

1 day

24 days

24 days

21 days

30 days

25 days

25 days

Progress

Milestone

Wed 25/8/20

Thu 25/8/28

Fri 25/8/29

Fri 25/9/5

Fri 25/9/12

Tue 25/9/16

•

Sat 25/9/13

Thu 25/8/28

Sun 25/9/21

Sun 25/9/28

Thu 25/10/2

Wed 25/10/15

Sat 25/10/4 Tue 25/10/28 Sat 25/10/4

Wed 25/12/24 Fri 25/9/26

Mon 25/10/20 Fri 25/9/26

Wed 25/8/20

Thu 25/8/28

Fri 25/8/29

Fri 25/9/5

Fri 25/9/12

Tue 25/9/16

Rolled Up Task

Sat 25/9/13

Thu 25/8/28

Sun 25/9/21

Sun 25/9/28

Thu 25/10/2

Wed 25/10/15

Wed 25/12/24

Mon 25/10/20

Wed 25/8/20

Thu 25/8/28

Fri 25/8/29

Fri 25/9/5

Fri 25/9/12

Tue 25/9/16

Fri 25/9/26

Fri 25/9/26

Tue 25/10/28 Sat 25/10/4 Tue 25/10/28

Sat 25/9/13

Thu 25/8/28

Sun 25/9/21

Sun 25/9/28

Thu 25/10/2

Wed 25/10/15

Wed 25/12/24

Mon 25/10/20

Rolled Up Critical Task

Rolled Up Milestone

0 days

0 days

0 days

0 days

0 days

0 days

117

118

119

120

121

122

123

124

125

Revision: 8.0

116FS-17 days

117FS-17 days

119FS-17 days

120FS-17 days

121FS-17 days

122FS-20 day

124FS-17 days

Rolled Up Progress

External Tasks

Project Summary

2x carpenter:

Group By Summary

Deadline

oncrete mixers,1 gang, pump truck

1x lorry crane, 1x Sheetpiling machine

1x Sheetpiling machine,1x lorry crane

1x Excavator,1x dump truck,2x labour

1x Excavator,1x dump truck

Temporary crossing

WING TAT CIVIL ENGINEERING CO LTD

CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2

		CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME
ID Task i	Name	Duration Start Finish Early Start Early Finish Late Start Late Finish Total Slack TRA Predecessors Half 1 2023, Half 2 2024, Half 1 2024, Half 2 2025, Half 1 2025, Half 2 2026, Half 2 202
126	Ground and Edge Beams	40 days Sun 25/10/12 Thu 25/11/20 Sun 25/10/12 Thu 25/11/20 Sun 25/10/12 Thu 25/11/20 Sun 25/10/12 Thu 25/11/20 Odays
127	Install precast portion (ground beam)	28 days Sun 25/10/12 Sat 25/11/8 Sun 25/10/12 Sat 25/10/12 Sat 25/11/8 Sun 25/10/12 Sat 25/11/8 Sun 25/10/12 Sat 25/10/12 Sat 25/11/8 Sun 25/10/12 Sat 25/11/8 Sun 25/10/12 Sat 25/11/8 Sun 25/10/12 Sat 25/10/12 Sat 25/10/12 Sat 25/10/12 Sat 25/10/
128	Rebar Fixing	25 days Sun 25/10/19 Wed 25/11/12 Sun 25/10/19 Wed 25/11/12 Sun 25/10/19 Wed 25/11/12 Sun 25/10/19 Wed 25/11/12 0 days 1 127FS-21 days
129	Formwork Erection and Cast-in items	25 days Mon 25/10/27 Thu 25/11/20 O days 1 128FS-17 days
130	Concreting	1 day Tue 25/11/4
131	Walls	33 days Wed 25/11/5 Sun 25/12/7 Wed 25/11/5 Sun 25/12/7 Wed 25/11/5 Sun 25/12/7 O days
132	Rebar Fixing	25 days Wed 25/11/5 Sat 25/11/29 Wed 25/11/5 Sat 25/11/29 Wed 25/11/5 Sat 25/11/29 Wed 25/11/5 Sat 25/11/29 O days 1 130
133	Formwork Erection and Cast-in items	25 days Thu 25/11/13 Sun 25/12/7 Thu 25/11/13 Sun 25/12/7 Thu 25/11/13 Sun 25/12/7 Thu 25/11/13 Sun 25/12/7 O days 1 132FS-17 days 1 day Fri 25/11/21 O days 0 133FS-17 days
134	Concreting Backfilling and Compaction	1 day Fri 25/11/21
136	Removal of Sheetpiles	25 days Sun 25/11/20 Wed 25/12/24 Sun 25/11/30 Wed 25/12/24 Sun 25/11/
137	Pedestrian & Vehicular Crossing no. 3	28 days Mon 25/12/8 Sun 26/1/4 Mon 25/12/8 Sun 26/1/4 Mon 25/12/8 Sun 26/1/4 Mon 25/12/8 Sun 26/1/4 O days 4 136F5-17 days
138	LFT10 CH.A464.00~CH.A554.00	90 days Mon 25/12/15 Sat 26/3/14 ######### Sat 26/3/14 0 days
139	Temp. Drainage Diversion / Sheetpiling	25 days Mon 25/12/15 Thu 26/1/8 Mon 25/12/15 M
140	Excavation and Lateral Support	25 days Tue 25/12/23 Fri 26/1/16 Tue 25/12/23
141	Ground and Edge Beams	40 days Wed 25/12/31 Sun 26/2/8 Wed 25/12/8 Wed 25/12/
142	Install precast portion (ground beam)	28 days Wed 25/12/31 Tue 26/1/27 Wed 25/12/31 Tue 26/1/27 Wed 25/12/31 Tue 26/1/27 Used 25/12/31 Used 25/12/
143	Rebar Fixing	25 days Wed 26/1/7 Sat 26/1/31 Wed 26/1/7 Sat 26/1/31 Wed 26/1/7 Sat 26/1/31 Wed 26/1/7 Sat 26/1/31 0 days 1 142FS-21 days 25 days Thu 26/1/15 Sun 26/2/8 Thu 26/1/15 Sun 26/2/8 Thu 26/1/15 Sun 26/2/8 0 days 1 143FS-17 days
144	Formwork Erection and Cast-in items Concreting	
145	Walls	1 day Fri 26/1/23
147	Rebar Fixing	25 days Sat 26/1/24 Tue 26/2/17 Sat 26/1/24 Tue 26/2/17 O days 1 145
148	Formwork Erection and Cast-in items	25 days Sun 26/2/1 Wed 26/2/25 Sun 26/2/1 Wed 26/2/25 Sun 26/2/1 Wed 26/2/25 O days 1 147FS-17 days
149	Concreting	1 day Mon 26/2/9 Mon 2
150	Backfilling and Compaction	25 days Tue 26/2/10 Fri 26/3/6 Tue 26/2/10 Fri
151	Removal of Sheetpiles	25 days Wed 26/2/18 Sat 26/3/14 Wed 26/2/18 Sat 26/3/14 Wed 26/2/18 Sat 26/3/14 Wed 26/2/18 Sat 26/3/14 O days 0 150FS-17 days
152	Pedestrian & Vehicular Crossing no. 4	28 days Thu 26/2/26 Wed 26/3/25 Thu 26/2/26 Wed 26/3/25 Tue 26/7/21 Mon 26/8/17 145 days 4 151FS-17 days Temporary crossing
153	Protection to ex. Dongjiang Water Main	10 days Thu 26/2/26 Sat 26/3/7 Thu 26/2/26 Sat 26/3/7 Thu 26/2/26 Sat 26/3/7 0 days 0 151FS-17 days
154	LFT11 CH.A554.00~CH.A700.00 Temp. Drainage Diversion / Sheetpiling	90 days Sun 26/3/8 Fri 26/6/5 Sun 26/3/8 Mon 26/4/6 Sun 26/3/8 Mon 26/4/6 Sun 26/3/8 Mon 26/4/6 O days 1 153
156	Excavation and Lateral Support	30 days Wed 26/3/18 Thu 26/4/16 Wed 26/3/18 Thu 26/4/16 Wed 26/3/18 Thu 26/4/16 Wed 26/3/18 Thu 26/4/16 0 days 1 155FS-20 days
157	Ground and Edge Beams	40 days Sat 26/3/28 Wed 26/5/6 Sat 26/3/28 Wed 26/5/6 Sat 26/3/28 Wed 26/5/6 O days
158	Install precast portion (ground beam)	28 days Sat 26/3/28 Fri 26/4/24 Sat 26/3/28 Fri 26/4/24 Sat 26/3/28 Fri 26/4/24 Sat 26/3/28 Fri 26/4/24 O days 0 156FS-20 days
159	Rebar Fixing	25 days Sat 26/4/4 Tue 26/4/28 Sat 26/4/4 Tue 26/4/28 Sat 26/4/4 Tue 26/4/28 Sat 26/4/4 Tue 26/4/28 Sat 26/4/4 Sat 26/4/4 Tue 26/4/28 Sat 26/4/4 Sat 26/4/4 Sat 26/4/28 Sat 26/4/4 Sat 26/4/28 Sat 26/4/4 Sat 26/4/28 Sat 26/4
160	Formwork Erection and Cast-in items	25 days Sun 26/4/12 Wed 26/5/6 Sun 26/4/12 Sun 26
161	Concreting	1 day Mon 26/4/20
162	Walls	33 days Tue 26/4/21 Sat 26/5/23 Tue 26/4/21 Sat 26/5/23 Tue 26/4/21 Sat 26/5/23 Tue 26/4/21 Sat 26/5/23 O days 25 days Tue 26/4/21 Fig 26/
163 164	Rebar Fixing Formwork Erection and Cast-in items	25 days Tue 26/4/21 Fn 26/5/15 Tue 26/4/21 Fn 26/5/15 Tue 26/4/21 Fn 26/5/15 0 days 1 161 25 days Wed 26/4/29 Sat 26/5/23 Wed 26/4/29 Sat 26/5/23 Wed 26/4/29 Sat 26/5/23 O days 1 163FS-17 days
165	Concreting	1 day Thu 26/5/7 O days 0 164FS-17 days
166	Backfilling and Compaction	25 days Fri 26/5/8 Mon 26/6/1 Fri 26/5/8 Mon 26/6/1 Fri 26/5/8 Mon 26/6/1 O days 0 165
167	Removal of Sheetpiles	25 days Tue 26/5/12 Fri 26/6/5 Tue 26/5/12 Fr
168	LFT12 CH.A700.00~CH.A818.86	90 days Sat 26/5/16 Thu 26/8/13 Sat 26/5/16 Thu 26/8/13 Sat 26/5/16 Thu 26/8/13 Sat 26/5/16 Thu 26/8/13 O days
169	Temp. Drainage Diversion / Sheetpiling	25 days Sat 26/5/16 Tue 26/6/9 Sat 26/5/16 Tue 26/6/9 Sat 26/5/16 Tue 26/6/9 Sat 26/5/16 Tue 26/6/9 O days 1 167FS-21 days
170	Excavation and Lateral Support	25 days Sun 26/5/24 Wed 26/6/17 Sun 26/5/24 Wed 26/6/17 Sun 26/5/24 Wed 26/6/17 Odays 1 169FS-17 days
171	Ground and Edge Beams	40 days Mon 26/6/1 Fri 26/7/10 Mon 26/6/1 Fri 26/7/10 O days
172	Install precast portion (ground beam)	28 days Mon 26/6/1 Sun 26/6/28 Mon 26/6/1 Sun 26/6/28 Mon 26/6/1 Sun 26/6/28 Mon 26/6/1 Sun 26/6/28 Mon 26/6/8 Thu 26/7/2 Mon 26/6/8 Thu 26/7/2 Mon 26/6/8 Thu 26/7/2 Mon 26/6/8 Thu 26/7/2 O days 1 172FS-21 days
174	Rebar Fixing Formwork Erection and Cast-in items	25 days Mon 26/6/8 Thu 26/7/2 Mon 26/6/8 Thu 26/7/2 Mon 26/6/8 Thu 26/7/2 0 days 1 172FS-21 days 25 days Tue 26/6/16 Fri 26/7/10 Tue 26/6/16 Fri 26/7/
175	Concreting	1 day Wed 26/6/24
176	Walls	33 days Thu 26/6/25 Mon 26/7/27 Thu 26/6/25 Mon 26/7/27 Thu 26/6/25 Mon 26/7/27 0 days
177	Rebar Fixing	25 days Thu 26/6/25 Sun 26/7/19 Thu 26/6/25 Sun 26/7/19 Thu 26/6/25 Sun 26/7/19 Thu 26/6/25 Sun 26/7/19 O days 1 175
178	Formwork Erection and Cast-in items	25 days Fri 26/7/3 Mon 26/7/27 Fri 26/7/3 Mon 26/7/27 Fri 26/7/3 Mon 26/7/27 O days 1 17FS-17 days
179	Concreting	1 day Sat 26/7/11 Sat 26/7/11 Sat 26/7/11 Sat 26/7/11 Sat 26/7/11 Sat 26/7/11 Odays 0 178FS-17 days
180 181	Backfilling and Compaction	25 days Sun 26/7/12 Wed 26/8/5 Sun 26/7/12 Wed 26/8/5 Sun 26/7/12 Wed 26/8/5 Sun 26/7/12 Wed 26/8/5 O days 0 179 25 days Mon 26/7/20 Thu 26/8/13 Mon 26/7/20 Thu 26/8/13 Mon 26/7/20 Thu 26/8/13 Mon 26/7/20 Thu 26/8/13 O days 0 180FS-17 days
181	Removal of Sheetpiles Relocate Septic Tank & Soakaway Pit	25 days Mon 26/7/20 Thu 26/8/13 Mon 26/7/20 Thu 26/8/13 Mon 26/7/20 Thu 26/8/13 O days 0 180FS-17 days 21 days Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 O days 4 181FS-17 days
183	Animal Escape Ramp	21 days Tue 26/7/28 Mon 26/8/17 O days 182FS-21 days
184	U-channels	21 days Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 O days 0 182FS-21 days
185	Facing stone	21 days Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/17 O days 0 182FS-21 days
186	ABWF works	21 days Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/1
187	Bedding works	21 days Tue 26/7/28 Mon 26/8/17 Tue 26/7/28 Mon 26/8/1
188		
189	LFT04 CH.851 00~CH.8149 77	85 days Thu 25/1/2 Thu 25/3/27 Thu 25/3/27 Mon 26/3/16 Mon 26/6/8 438 days
190	Temp. Drainage Diversion / Sheetpiling	25 days Thu 25/1/2 Sun 25/1/26 Thu 25/1/2 Sun 25/1/26 Mon 26/3/16 Thu 26/4/9 438 days 0 20 25 days Fri 25/1/10 Mon 25/2/3 Fri 25/1/10 Mon 25/2/3 Tue 26/3/24 Fri 26/4/17 438 days 0 190FS-17 days Lx Excavator, 1x dump truck, 2x labour
191	Excavation and Lateral Support Ground and Edge Beams	25 days Fri 25/1/10 Mon 25/2/3 Fri 25/1/10 Mon 25/2/3 Tue 26/3/24 Fri 26/4/17 438 days 0 190FS-17 days 33 days Sat 25/1/18 Wed 25/2/19 Sat 25/1/18 Wed 25/2/19 Wed 26/4/1 Sun 26/5/3 438 days
192	Rebar Fixing	25 days Sat 25/1/18 Tue 25/2/11 Sat 25/1/18 Tue 25/2/11 Wed 26/4/1 Sat 26/4/25 438 days 0 191FS-17 days
194	Formwork Erection and Cast-in items	25 days Sun 25/1/26 Wed 25/2/19 Sun 25/1/26 Wed 25/2/19 Thu 26/4/9 Sun 26/5/3 438 days 0 193FS-17 days
195	Cancreting	1 day Wed 25/2/5 Wed 25/2/5 Wed 25/2/5 Sun 26/4/19 Sun 26/4/19 438 days 0 194FS-15 days
196	Walls	33 days Thu 25/2/6 Mon 25/3/10 Thu 25/2/6 Mon 25/3/10 Mon 26/4/20 Fri 26/5/22 438 days
197	Rebar Fixing	25 days Thu 25/2/6 Sun 25/3/2 Thu 25/2/6 Sun 25/3/2 Mon 26/4/20 Thu 26/5/14 438 days 0 195
198	Formwork Erection and Cast-in items	25 days Fri 25/2/14 Mon 25/3/10 Fri 25/2/14 Mon 25/3/10 Tue 26/4/28 Fri 26/5/22 438 days 0 197FS-17 days
199	Concreting	1 day Sat 25/2/22 Sat 25/2/22 Sat 25/2/22 Sat 25/2/22 Wed 26/5/6 Wed 26/5/6 438 days 0 198FS-17 days
200	Backfilling and Compaction Removal of Sheetnikes	25 days Sun 25/2/23 Wed 25/3/19 Sun 25/2/23 Wed 25/3/19 Thu 26/5/7 Sun 26/5/31 438 days 0 199 25 days Mon 25/3/3 Thu 25/3/27 Mon 25/3/3 Thu 25/3/27 Fri 26/5/15 Mon 26/6/8 438 days 0 200FS-17 days
202	Removal of Sheetpiles LFT03 CH.B0.00~CH.B51.00 (PC3)	25 days Mon 25/3/3 Thu 25/3/27 Mon 25/3/3 Thu 25/3/27 Fri 26/5/15 Mon 26/6/8 438 days 0 200FS-17 days 83 days Tue 25/3/11 Sun 25/6/1 Tue 25/3/11 Sun 25/6/1 Sat 26/5/23 Thu 26/8/13 438 days
203	Temp. Drainage Diversion / Sheetpiling	25 days Tue 25/3/11 Fin 25/4/4 Tue 25/3/11 Fri 25/4/4 Sat 26/5/23 Tue 26/5/16 438 days 1 201FS-17 days
204	Excavation and Lateral Support	25 days Wed 25/3/19 Sat 25/4/12 Wed 25/3/19 Sat 25/4/12 Sun 26/5/31 Wed 26/6/24 438 days 1 203FS-17 days
205	Ground and Edge Beams	33 days Thu 25/3/27 Mon 25/4/28 Thu 25/3/27 Mon 25/4/28 Mon 26/6/8 Fri 26/7/10 438 days
206	Rebar Fixing	25 days Thu 25/3/27 Sun 25/4/20 Thu 25/3/27 Sun 25/4/20 Mon 26/6/8 Thu 26/7/2 438 days 1 204FS-17 days
207	Formwork Erection and Cast-in items	25 days Fri 25/4/4 Mon 25/4/28 Fri 25/4/4 Mon 25/4/28 Tue 26/6/16 Fri 26/7/10 438 days 1 206FS-17 days
	´Task	Progress Summary Rolled Up Critical Task Rolled Up Progress External Tasks Group By Summary
vision.: 8.0	Date: 30 April 2024 Critical Task	Milestone Polled Un Tark Polled Un Milestone Split Project Summany Deadline
	Citical lask	
in: {U/S}~{D/S},	size+type,bedding,length(m),depth(m) (D/S).size+type.length(m)	Page 6

WING TAT CIVIL ENGINEERING COLTD CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME Total Slack TRA Predecessors Half 1 2023, Half 2 2024, Half 1 2024, Half 2 2025, Half 2 2025, Half 2 2026, Half 1 2026, Half 2 2027,

A M J J A S O N D J F M A M J J A S O N ID Task Name Early Start Late Start Late Finish Duration Finish Early Finish Wed 26/6/24 Wed 26/6/24 438 days 0 207FS-17 days 208 1 day Sat 25/4/12 Sat 25/4/12 Sat 25/4/12 Sat 25/4/12 209 33 days Sun 25/4/13 Thu 25/5/15 Sun 25/4/13 Thu 25/5/15 Thu 26/6/25 Mon 26/7/27 438 days Walls 2x rebar fixers 210 Rehar Fixing 25 days Sun 25/4/13 Wed 25/5/7 Sun 25/4/13 Wed 25/5/7 Thu 26/6/25 Sun 26/7/19 438 days 1 วกร 211 Formwork Erection and Cast-in items 25 days Mon 25/4/21 Thu 25/5/15 Mon 25/4/21 Thu 25/5/15 Fri 26/7/3 Mon 26/7/27 438 days 210FS-17 days 2x carpenters 212 1 day Tue 25/4/29 Tue 25/4/29 Tue 25/4/29 Tue 25/4/29 Sat 26/7/11 Sat 26/7/11 438 days 211FS-17 days crete mixers.1 gang.pump truck Concreting 213 Backfilling and Compaction 25 days Wed 25/4/30 Sat 25/5/24 Wed 25/4/30 Sat 25/5/24 Sun 26/7/12 Wed 26/8/5 438 days 0 212 1.1x Excavator.1x dump truck 214 Removal of Sheetniles 25 days Thu 25/5/8 Sun 25/6/1 Thu 25/5/8 Sun 25/6/1 Mon 26/7/20 Thu 26/8/13 438 days 0 213FS-17 days 1x lorry crane.1x Sheetoiling machine 215 Pedestrian Crossing no. 3 21 days Fri 25/5/16 Thu 25/6/5 Fri 25/5/16 Thu 25/6/5 Tue 26/7/28 Man 26/8/17 438 days 214FS-17 days Temporary crossing 3 108 109 Section VI 925 days Mon 23/5/15 Mon 25/11/24 Mon 23/5/15 Mon 25/11/24 Mon 23/5/29 Mon 26/8/17 14 days 5/29 access date of Portion C3 0 days Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 0 days 0 \\WingTatNasC section VI (Lin Fa Tei - Kam Sheung Road) 820 days Tue 23/5/30 Tue 25/8/26 Tue 23/5/30 Tue 25/8/26 Tue 23/5/30 Tue 25/8/26 0 days 0 \\WingTatNasC Planned Completion Day 90 days Wed 25/8/27 Mon 25/11/24 Wed 25/8/27 Mon 25/11/24 Wed 25/8/27 Mon 25/11/24 0 days 0 Site Establishment 778 days Mon 23/5/15 Mon 25/6/30 Mon 23/5/15 Mon 25/6/30 Sun 23/8/13 Sat 26/7/18 90 days Prepare and Accept Temp. Works Design and Method Statement 644 days Tue 23/9/26 Mon 25/6/30 Tue 23/9/26 Mon 25/6/30 Mon 23/12/25 Sun 25/9/28 90 days 0 \\WingTatNasC Public Liaison and Negotiation with Village Rep. 194 days Tue 23/9/12 Sat 24/3/23 Tue 23/9/12 Sat 24/3/23 Tue 26/1/6 Sat 26/7/18 847 days Ω \\WingTatNasC Mon 25/6/30 Mon 23/5/15 Mon 25/6/30 Sun 23/8/13 Initial Survey 778 days Mon 23/5/15 Sun 25/9/28 90 days 10 15SF Initial Safety & Environmental measures 60 days Thu 24/1/4 Mon 24/3/4 Thu 24/1/4 Mon 24/3/4 Fri 25/9/26 Mon 25/11/24 631 days 0 12 Setup of instrumentation and monitoring 25 days Thu 24/2/8 Mon 24/3/4 Thu 24/2/8 Mon 24/3/4 Fri 25/10/31 Mon 25/11/24 631 days 0 15SF 13 Thu 24/2/8 Mon 24/3/4 Fri 25/10/31 Mon 25/11/24 15SF Tree Survey 25 days Thu 24/2/8 Mon 24/3/4 631 days Fn 25/10/31 Mon 25/11/24 Competent Person (UU) UU detection Thu 24/2/8 Mon 24/3/4 Thu 24/2/8 Mon 24/3/4 15SF 25 days 631 days Ð 15 [PMIxxx] Difficulty/infeasibility for construction of 1650mm dia. pipe at Kam 2x labour, 1 grab truck Mon 24/7/1 Mon 24/3/4 Mon 24/3/4 Mon 24/7/1 120 days Mon 24/3/4 Mon 24/7/1 0 days Sheung Road (impact to be ascertained) 16 mporary Traffic Arrangement 400 days Mon 23/5/29 Mon 24/7/1 Mon 23/5/29 Mon 24/7/1 Mon 23/5/29 Mon 26/8/17 0 days Application of XP 400 days Mon 23/5/29 Mon 24/7/1 Mon 23/5/29 Mon 24/7/1 Mon 23/5/29 Mon 24/7/1 0 days 0 2FS-1 day Mon 23/5/29 18 Submission of TTA and Arrange TMLG 370 days Sat 24/6/1 Mon 23/5/29 Sat 24/6/1 Mon 25/7/14 Sat 26/7/18 777 days 2FS-1 day Approval of TTA Sun 24/6/2 Mon 24/7/1 Sun 24/6/2 Mon 24/7/1 Sun 26/7/19 Mon 26/8/17 17FF,18,7 19 30 days 777 days 20 Drain Laying Works 511 day Tue 24/7/2 Mon 25/11/24 Tue 24/7/2 Mon 25/11/24 Tue 24/7/2 ########## 0 days 21 LFT.D5~NKT Channel.1650PC.B.L=14.5.D=3.54 52 days Tue 24/7/2 Thu 24/8/22 Tue 24/7/2 Thu 24/8/22 Tue 24/7/2 Thu 24/8/22 0 days 22 TTA Implementation (trial run) 4 days Tue 24/7/2 Fri 24/7/5 Tue 24/7/2 Fri 24/7/5 Tue 24/7/2 Fr. 24/7/5 0 days 15 17 10 days 23 Breaking Ground Thu 24/7/4 Sat 24/7/13 Thu 24/7/4 Sat 24/7/13 Thu 24/7/4 Sat 24/7/13 0 days 22FS+2 days 1x Excavator with breaker 23FS-2 days Excavation and Lateral Suppor 24 13 days Fri 24/7/12 Wed 24/7/24 Fri 24/7/12 Wed 24/7/24 Fri 24/7/12 Wed 24/7/24 0 days 1x Excavator Drain Laying 24FS-2 days 25 10 days Tue 24/7/23 Thu 24/8/1 Tue 24/7/23 Thu 24/8/1 Tue 24/7/23 Thu 24/8/1 3x drainlayer 2x labou 0 days 26 Bedding and Backfilling 8 days Wed 24/7/31 Wed 24/8/7 Wed 24/7/31 Wed 24/8/7 Wed 24/7/31 Wed 24/8/7 0 days 25FS-2 day 1x Excavator Manhole Construction 10 days Tue 24/8/6 Thu 24/8/15 Tue 24/8/6 Thu 24/8/15 Tue 24/8/6 Thu 24/8/15 26FS-2 days 3x carpenter.2x labour 0 days 28 Reinstatement 6 days Frì 24/8/16 Wed 24/8/21 Fri 24/8/16 Wed 24/8/21 Fri 24/8/16 Wed 24/8/21 0 days 27 1x Excavator 1x dump truck 29 TTA Removal 1 dav Thu 24/8/22 Thu 24/8/22 Thu 24/8/22 Thu 24/8/22 Thu 24/8/22 Thu 24/8/22 0 days 0 28 30 Proposed flap valve 21 days Fri 24/8/23 Thu 24/9/12 Fri 24/8/23 Thu 24/9/12 Tue 25/11/4 Mon 25/11/24 438 days 0 29 31 LFT.D4~LFT.D5.1650PC.B.L=50.95.D=3.417 91 days Fri 24/8/23 Thu 24/11/21 Fri 24/8/23 Thu 24/11/21 Fri 24/8/23 Thu 24/11/21 0 days 32 52 days Fri 24/8/23 Sun 24/10/13 Fri 24/8/23 Sun 24/10/13 Fri 24/8/23 Sun 24/10/13 0 days Stage 1 33 TTA Implementation 2 days Fri 24/8/23 Sat 24/8/24 Fri 24/8/23 Sat 24/8/24 Fri 24/8/23 Sat 24/8/24 0 days 0 29 34 Breaking Ground 10 days Fri 24/8/23 Sun 24/9/1 Fri 24/8/23 Sun 24/9/1 Fri 24/8/23 Sun 24/9/1 0 days 33FS-2 days 1x Excavator with breaker 35 Excavation and Lateral Support 12 days Sat 24/8/31 Wed 24/9/11 Sat 24/8/31 Wed 24/9/11 Sat 24/8/31 Wed 24/9/11 0 days 34FS-2 days 1x Excavator 36 Drain Laving 10 days Tue 24/9/10 Thu 24/9/19 Tue 24/9/10 Thu 24/9/19 Tue 24/9/10 Thu 24/9/19 0 days 35FS-2 days 3x drainlayer,2x labou Bedding and Backfilling 8 days Wed 24/9/18 Wed 24/9/25 Wed 24/9/18 Wed 24/9/25 Wed 24/9/18 Wed 24/9/25 0 davs 36FS-2 days 1x Excavator 38 Manhole Construction 10 days Tue 24/9/24 Thu 24/10/3 Tue 24/9/24 Thu 24/10/3 Tue 24/9/24 Thu 24/10/3 0 days 37FS-2 days 3x carpenter.2x labour 1x Excavator, 1x dump truck Reinstatement 8 days Fri 24/10/4 Fri 24/10/11 Fri 24/10/4 Fri 24/10/11 Fri 24/10/4 Fri 24/10/11 0 days 38 40 TTA Removal 2 days Sat 24/10/12 Sun 24/10/13 Sat 24/10/12 Sun 24/10/13 Sat 24/10/12 Sun 24/10/13 0 days 39 41 Stage 2 39 days Mon 24/10/14 Thu 24/11/21 ######### Thu 24/11/21 ######## Thu 24/11/21 0 days 42 Mon 24/10/14 Tue 24/10/15 Mon 24/10/14 Tue 24/10/15 Mon 24/10/14 Tue 24/10/15 TTA Implementation 2 days 0 days 43 Ix Excavator with breake Mon 24/10/14 Mon 24/10/21 Mon 24/10/14 Mon 24/10/21 Mon 24/10/14 Mon 24/10/21 42FS-2 days Breaking Ground 8 days 0 days 44 1x Excavator Sun 24/10/20 Tue 24/10/29 Sun 24/10/20 Tue 24/10/29 Sun 24/10/20 Tue 24/10/29 43FS-2 days Excavation and Lateral Support 10 days 0 days 45 3x drainlayer, 2x labou Mon 24/10/28 Mon 24/11/4 Mon 24/10/28 Mon 24/11/4 Mon 24/10/28 Man 24/11/4 44FS-2 days Drain Laying 8 days 0 days 46 Bedding and Backfilling Sun 24/11/3 Fri 24/11/8 Sun 24/11/3 Fri 24/11/8 Sun 24/11/3 Fri 24/11/8 45FS-2 days 1x Excavator 6 days 0 days 3x carpenter,2x labour Manhole Construction Thu 24/11/14 Thu 24/11/7 Thu 24/11/14 Thu 24/11/7 Thu 24/11/14 46FS-2 days 8 days Thu 24/11/7 0 days 48 Fri 24/11/15 Wed 24/11/20 Fri 24/11/15 1x Excavator, 1x dump truck Wed 24/11/20 Fri 24/11/15 Wed 24/11/20 Reinstatement 6 days 0 days 49 TTA Removal Thu 24/11/21 Thu 24/11/21 Thu 24/11/21 Thu 24/11/21 Thu 24/11/21 Thu 24/11/21 1 day 0 days 0 48 LFT D3a~LFT D4,1650PC,B,L=22.88,D=3.418 47 days Fri 24/11/22 Fri 24/11/22 Tue 25/1/7 Fri 24/11/22 Tue 25/1/7 Tue 25/1/7 0 days 51 2 days Fri 24/11/22 Sat 24/11/23 Fri 24/11/22 Sat 24/11/23 Fri 24/11/22 Sat 24/11/23 TTA Implementation 0 days 1x Excavator with breake Fri 24/11/29 Fri 24/11/22 51FS-2 days Breaking Ground Fri 24/11/22 Fri 24/11/22 Fri 24/11/29 Fri 24/11/29 0 days 8 days 53 Sat 24/12/7 Thu 24/11/28 Sat 24/12/7 Thu 24/11/28 Sat 24/12/7 1x Excavator Excavation and Lateral Support 10 days Thu 24/11/28 52FS-2 days 0 days 54 Sun 24/12/15 Fri 24/12/6 53FS-2 days 3x drainlayer,2x labour Drain Laying 10 days Fri 24/12/6 Fri 24/12/6 Sun 24/12/15 Sun 24/12/15 0 days 1x Excavator SS Bedding and Backfilling Sat 24/12/21 Sat 24/12/14 Sat 24/12/21 Sat 24/12/14 Sat 24/12/21 54FS-2 days 8 days Sat 24/12/14 0 days 3x carpenter, 2x labour Fri 24/12/20 Sun 24/12/29 Fri 24/12/20 Fri 24/12/20 55FS-2 days Manhole Construction 10 days Sun 24/12/29 Sun 24/12/29 0 days 1x Excavator, 1x dump truck Mon 25/1/6 Mon 25/1/6 Mon 24/12/30 Mon 25/1/6 Reinstatement Mon 24/12/30 Mon 24/12/30 8 days 0 days 58 Tue 25/1/7 Tue 25/1/7 Tue 25/1/7 Tue 25/1/7 Tue 25/1/7 Tue 25/1/7 TTA Removal 1 day 0 days 0 LFT.D3~LFT.D3a,1650PC,B,L=13.9,D=3.418 35 days Wed 25/1/8 Tue 25/2/11 Wed 25/1/8 Tue 25/2/11 Wed 25/1/8 Tue 25/2/11 0 days Thu 25/1/9 Wed 25/1/8 Thu 25/1/9 Wed 25/1/8 Thu 25/1/9 TTA Implementation 2 days Wed 25/1/8 0 days Wed 25/1/8 Tue 25/1/14 Wed 25/1/8 Tue 25/1/14 60FS-2 days 7 days Wed 25/1/8 Tue 25/1/14 Breaking Ground 0 days Mon 25/1/13 Mon 25/1/13 61FS-2 days 1x Excavator Excavation and Lateral Support Mon 25/1/13 Tue 25/1/21 Tue 25/1/21 Tue 25/1/21 9 days 0 days 63 Drain Laying 7 days Mon 25/1/20 Sun 25/1/26 Mon 25/1/20 Sun 25/1/26 Mon 25/1/20 Sun 25/1/26 62FS-2 days 3x drainlayer, 2x labour 0 days Sat 25/1/25 Sat 25/1/25 1x Excavator Bedding and Backfilling Sat 25/1/25 Thu 25/1/30 Thu 25/1/30 Thu 25/1/30 63FS-2 days 6 days 0 days 65 Tue 25/2/4 Wed 25/1/29 Tue 25/2/4 Tue 25/2/4 64FS-2 days 3x carpenter.2x labou Manhole Construction 7 days Wed 25/1/29 Wed 25/1/29 0 days Mon 25/2/10 Wed 25/2/5 1x Excavator, 1x dump truck Reinstatement Wed 25/2/5 Wed 25/2/5 Mon 25/2/10 Mon 25/2/10 0 days 65 6 days TTA Removal Tue 25/2/11 Tue 25/2/11 Tue 25/2/11 1 day Tue 25/2/11 Tue 25/2/11 Tue 25/2/11 0 days 66 68 LFT.D2~LFT.D3,1650PC,B,L=39,D=3.34 Sun 25/5/4 Wed 25/2/12 Sun 25/5/4 Wed 25/2/12 Sun 25/5/4 82 days Wed 25/2/12 0 days 69 Sat 25/3/29 Wed 25/2/12 Sat 25/3/29 Wed 25/2/12 46 days Wed 25/2/12 Sat 25/3/29 Stage 1 0 davs 70 Wed 25/2/12 Thu 25/2/13 Wed 25/2/12 Thu 25/2/13 Wed 25/2/12 Thu 25/2/13 0 days 2 days Thu 25/2/20 Wed 25/2/12 Thu 25/2/20 Wed 25/2/12 Thu 25/2/20 70FS-2 days Breaking Ground 9 days Wed 25/2/12 0 days Excavation and Lateral Support 11 days Wed 25/2/19 Sat 25/3/1 Wed 25/2/19 Sat 25/3/1 Wed 25/2/19 Sat 25/3/1 71FS-2 days 1x Excavator 0 days 73 Drain Laying Fri 25/2/28 Sat 25/3/8 Fri 25/2/28 Sat 25/3/8 Fri 25/2/28 Sat 25/3/8 72FS-2 days 3x drainlayer, 2x labou 9 days 0 days 74 Bedding and Backfilling Fri 25/3/7 Thu 25/3/13 Fri 25/3/7 Thu 25/3/13 Fri 25/3/7 Thu 25/3/13 73FS-2 days 1x Excavato 7 days 0 days 0 Progress Rolled Up Critical Task Rolled Up Progress External Tasks Group By Summary Task Summary Date: 30 April 2024 Milestone Rolled Up Milestone Project Summary • Rolled Up Task Deadline

Drain: (U/S)~{D/S},size+lype,bedding,length(m),depth(m)
U-Channel: {U/S}~{D/S},size+type,length(m)
Drainage Channel: {U/S}~{D/S}

WING TAT CIVIL ENGINEERING CO LTD CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME Task Name TRA Predecessors Half 1 Half 1 2023 Half 2 2024, Half 1 2024, Half 2 2025, Half 1 2025, Half 2 2025, Half 2 2026, Half 2 2027, Half 2 2026, Half 2 2027, Half 2 Manhole Constructio 9 days Wed 25/3/12 Thu 25/3/20 Wed 25/3/12 Thu 25/3/20 Wed 25/3/12 Thu 25/3/20 0 days 2 74FS-2 days Fri 25/3/21 Thu 25/3/27 Fri 25/3/21 Thu 25/3/27 Fri 25/3/21 Thu 25/3/27 75 1x Excavator,1x dump truck 7 days 0 days Reinstatement TTA Removal Sat 25/3/29 Sat 25/3/29 Fri 25/3/28 Sat 25/3/29 Fri 25/3/28 Fri 25/3/28 2 days 0 days 78 Sun 25/5/4 Sun 25/3/30 Sun 25/5/4 Stage 2 36 days Sun 25/3/30 Sun 25/3/30 Sun 25/5/4 0 days Sun 25/3/30 Mon 25/3/31 Sun 25/3/30 Mon 25/3/31 Sun 25/3/30 Mon 25/3/31 0 days 2 days 80 Breaking Ground Sun 25/3/30 Sat 25/4/5 Sun 25/3/30 Sat 25/4/5 Sun 25/3/30 79FS-2 days 7 days Sat 25/4/5 0 days Excavation and Lateral Support Fri 25/4/4 Sat 25/4/12 Fri 25/4/4 Sat 25/4/12 Fri 25/4/4 Sat 25/4/12 0 days 80FS-2 days 1x Excavator 9 days 82 Fri 25/4/11 Thu 25/4/17 Fri 25/4/11 Thu 25/4/17 Fri 25/4/11 Thu 25/4/17 81FS-2 days 3x drainlayer, 2x labou Drain Laying 7 days 0 days 83 Bedding and Backfilling 6 days Wed 25/4/16 Mon 25/4/21 Wed 25/4/16 Mon 25/4/21 Wed 25/4/16 Mon 25/4/21 0 days 82FS-2 days 1x Excavator 84 Manhole Constructio 8 days Sun 25/4/20 Sun 25/4/27 Sun 25/4/20 Sun 25/4/27 Sun 25/4/20 0 days 83FS-2 days 3x carpenter, 2x lab 85 Reinstatement 6 days Mon 25/4/28 Sat 25/5/3 Mon 25/4/28 Sat 25/5/3 Mon 25/4/28 Sat 25/5/3 0 days 1x Excavator, 1x dump truc 86 Sun 25/5/4 Sun 25/5/4 Sun 25/5/4 Sun 25/5/4 TTA Remova Sun 25/5/4 Sun 25/5/4 0 days LFT.D1b~LFT.D2,1650PC,B,L=45.56,D=3.34 101 days Mon 25/5/5 Wed 25/8/13 Mon 25/5/5 Wed 25/8/13 Mon 25/5/5 Wed 25/8/13 0 days 88 51 days Mon 25/5/5 Tue 25/6/24 Mon 25/5/5 Tue 25/6/24 Mon 25/5/5 Tue 25/6/24 0 days TTA Implementation Tue 25/5/6 Mon 25/5/5 2 days Mon 25/5/5 Tue 25/5/6 Mon 25/5/5 Tue 25/5/6 86 90 Mon 25/5/5 Wed 25/5/14 Mon 25/5/5 Wed 25/5/14 Mon 25/5/5 Breaking Ground 10 days Wed 25/5/14 89FS-2 days Excavation and Lateral Support Tue 25/5/13 Fri 25/5/23 Tue 25/5/13 Fri 25/5/23 Tue 25/5/13 Fri 25/5/23 90FS-2 days 1x Excavator 11 days 92 10 days Thu 25/5/22 Sat 25/5/31 Thu 25/5/22 Sat 25/5/31 Thu 25/5/22 Sat 25/5/31 91FS-2 days 3x drainlayer,2x 93 Bedding and Backfilling Fri 25/5/30 Fri 25/6/6 Fri 25/5/30 Fri 25/6/6 Fri 25/5/30 Fri 25/6/6 92FS-2 days 1x Excavator 8 days 94 Manhole Construction 10 days Thu 25/6/5 Sat 25/6/14 Thu 25/6/5 Sat 25/6/14 Thu 25/6/5 93FS-2 days 3x carpenter,2x Sat 25/6/14 0 days 95 Reinstatement Sun 25/6/15 Sun 25/6/22 Sun 25/6/15 Sun 25/6/22 Sun 25/6/15 1x Excavator, 1x dump truck 8 days Sun 25/6/22 96 TTA Removal 2 days Mon 25/6/23 Tue 25/6/24 Mon 25/6/23 Tue 25/6/24 Mon 25/6/23 Tue 25/6/24 0 days 95 97 50 days Wed 25/6/25 Wed 25/8/13 Wed 25/6/25 Wed 25/8/13 Wed 25/6/25 Wed 25/8/13 Stage 2 0 days 98 TTA Implementation 2 days Wed 25/6/25 Thu 25/6/26 Wed 25/6/25 Thu 25/6/26 Wed 25/6/25 Thu 25/6/26 0 days Breaking Ground 10 days Wed 25/6/25 Fri 25/7/4 Wed 25/6/25 Fri 25/7/4 Wed 25/6/25 Fri 25/7/4 98FS-2 days In Excavator with breake 99FS-2 days 100 Excavation and Lateral Support 11 days Thu 25/7/3 Sun 25/7/13 Thu 25/7/3 Sun 25/7/13 Thu 25/7/3 Sun 25/7/13 0 days Lx Excavato 101 Drain Laying 10 days Sat 25/7/12 Mon 25/7/21 Sat 25/7/12 Mon 25/7/21 Sat 25/7/12 Mon 25/7/21 100FS-2 days 3x drainlayer, 2x labou 0 days 102 Bedding and Backfilling 8 days Sun 25/7/20 Sun 25/7/27 Sun 25/7/20 Sun 25/7/27 Sun 25/7/20 Sun 25/7/27 101FS-2 days Lx Excavator 0 days 103 Manhole Construction 10 days Sat 25/7/26 Mon 25/8/4 Sat 25/7/26 Mon 25/8/4 Sat 25/7/26 Mon 25/8/4 0 days 102FS-2 days 3x carpenter 2x labour 104 Reinstatement 8 days Tue 25/8/5 Tue 25/8/12 Tue 25/8/5 Tue 25/8/12 Tue 25/8/5 Tue 25/8/12 0 days 103 1x Excavator 1x dump truck 105 TTA Removal 1 day Wed 25/8/13 Wed 25/8/13 Wed 25/8/13 Wed 25/8/13 Wed 25/8/13 Wed 25/8/13 0 days 104 106 LFT.D1a~LFT.D1b.1650PC.B.L=25.59.D=3.411 46 days Thu 25/8/14 Sun 25/9/28 Thu 25/8/14 Sun 25/9/28 Thu 25/8/14 Sun 25/9/28 0 days 107 TTA Implementation 2 days Thu 25/8/14 Fri 25/8/15 Thu 25/8/14 Fri 25/8/15 Thu 25/8/14 Fri 25/8/15 105 0 days 0 108 1x Excavator with breaker Breaking Ground 9 days Thu 25/8/14 Fri 25/8/22 Thu 25/8/14 Fri 25/8/22 Thu 25/8/14 Fri 25/8/22 O days 107FS-2 days 109 Excavation and Lateral Support 10 days Thu 25/8/21 Sat 25/8/30 Thu 25/8/21 Sat 25/8/30 Thu 25/8/21 Sat 25/8/30 0 days 108FS-2 days 1x Excavator 2 110 Drain Laying 8 days Fri 25/8/29 Fri 25/9/5 Fri 25/8/29 Fri 25/9/5 Fri 25/8/29 Fri 25/9/5 0 days 109FS-2 days 3x drainlayer, 2x labou 111 Bedding and Backfilling 8 days Thu 25/9/4 Thu 25/9/11 Thu 25/9/4 Thu 25/9/11 Thu 25/9/4 Thu 25/9/11 0 days 110FS-2 days L Excavator 112 Manhole Construction 10 days Wed 25/9/10 Fri 25/9/19 Wed 25/9/10 Fri 25/9/19 Wed 25/9/10 Fri 25/9/19 0 days 111FS-2 days 3x carpenter, 2x labour 113 Reinstatement 8 days Sat 25/9/20 Sat 25/9/27 Sat 25/9/20 Sat 25/9/27 Sat 25/9/20 Sat 25/9/27 0 days 112 1x Excavator.1x dump truck 114 TTA Removal 1 day Sun 25/9/28 Sun 25/9/28 Sun 25/9/28 Sun 25/9/28 Sun 25/9/28 Sun 25/9/28 0 days 113 0 115 LFT.D1~LFT.D1a,1650PC,B,L=5.65,D=3.411 29 days Mon 25/9/29 Mon 25/10/27 Mon 25/9/29 Mon 25/10/27 Mon 25/9/29 ############ 0 days 116 TTA Implementation 2 days Mon 25/9/29 Tue 25/9/30 Mon 25/9/29 Tue 25/9/30 Mon 25/9/29 Tue 25/9/30 0 davs 114.6.B 117 1x Excavator with breaker Breaking Ground 7 days Mon 25/9/29 Sun 25/10/5 Mon 25/9/29 Sun 25/10/5 Mon 25/9/29 Sun 25/10/5 0 days 116FS-2 days Π 118 1x Excavator Excavation and Lateral Support 7 days Sat 25/10/4 Fri 25/10/10 Sat 25/10/4 Fri 25/10/10 Sat 25/10/4 Fri 25/10/10 0 days 117FS-2 days 119 3x drainlayer,2x labou Drain Laying 7 days Thu 25/10/9 Wed 25/10/15 Thu 25/10/9 Wed 25/10/15 Thu 25/10/9 Wed 25/10/15 0 days 118FS-2 days 120 Bedding and Backfilling Tue 25/10/14 Fri 25/10/17 Tue 25/10/14 1x Excavator 4 days Fri 25/10/17 Tue 25/10/14 Fri 25/10/17 0 days 119FS-2 days 121 Manhole Construction 7 days Thu 25/10/16 Wed 25/10/22 Thu 25/10/16 Wed 25/10/22 Thu 25/10/16 Wed 25/10/22 0 days 120FS-2 days 3x carpenter, 2x labou 122 Reinstatement Thu 25/10/23 Sun 25/10/26 Thu 25/10/23 Sun 25/10/26 Thu 25/10/23 Sun 25/10/26 1x Excavator, 1x dump truck 4 days 0 days 0 121 123 TTA Removal Mon 25/10/27 Mon 25/10/27 Mon 25/10/27 Mon 25/10/27 Mon 25/10/27 Mon 25/10/27 I dav 0 days 0 122 124 CCTV inspection and T&C Tue 25/10/28 Mon 25/11/10 Tue 25/10/28 Mon 25/11/10 Tue 25/10/28 Mon 25/11/10 14 days 0 days 4 123 125 Final Reinstatement 14 days Tue 25/11/11 Mon 25/11/24 Tue 25/11/11 Mon 25/11/24 Tue 25/11/11 Mon 25/11/24 0 days 4 124 110 111 1116 days Tue 23/5/30 Thu 26/6/18 Tue 23/5/30 Thu 26/6/18 Tue 23/5/30 Thu 26/6/18 0 days access date of Portion D Tue 23/5/30 Mon 23/12/25 Tue 23/5/30 Mon 23/12/25 Sun 25/8/10 Sat 26/3/7 210 days \\WingTatNas0 803 days section IV (Ha Che) Tue 23/5/30 Thu 26/5/28 Tue 23/5/30 Thu 26/5/28 Tue 23/5/30 Thu 26/5/28 1095 days 0 days \\WingTatNasC Planned Completion Day Fri 26/5/29 21 days Fri 26/5/29 Thu 26/6/18 Thu 26/6/18 Fri 26/5/29 Thu 26/6/18 0 days Early access (portion) 144 days Tue 23/5/30 Fri 23/10/20 Tue 23/5/30 Fri 23/10/20 Tue 23/6/20 Fri 23/11/10 21 days \\WingTatNas0 Access to remaining STLA Mon 23/12/25 Mon 23/12/25 Mon 23/12/25 Mon 23/12/25 Sat 26/3/7 Sat 26/3/7 1 day 2FS-1 day 803 days Sat 23/10/21 Wed 23/11/1 Private Land Leasing Sat 23/10/21 Wed 23/11/1 Mon 23/11/27 Fri 23/12/8 12 days 37 days 877 days Site Establishment Tue 23/9/12 Wed 26/2/4 Tue 23/9/12 Wed 26/2/4 Fri 23/10/6 Thu 26/6/18 24 days Prepare and Accept Temp, Works Design and Method Statement 863 days Tue 23/9/26 Wed 26/2/4 Tue 23/9/26 Wed 26/2/4 Tue 23/10/17 Wed 26/2/25 21 days \\WingTatNas0 Public Liaison and Negotiation with Village Rep. [A] Tue 23/9/12 Mon 23/10/16 Tue 23/9/12 35 days Mon 23/10/16 Fri 23/10/6 Thu 23/11/9 \\WingTatNas0 24 days Fri 23/10/20 Fri 23/10/20 Initial Survey [A] 839 days Wed 26/2/4 Wed 26/2/4 Fri 23/11/10 Wed 26/2/25 10,5FS-1 day 21 days Initial Safety & Environmental measures [A] Fri 23/10/20 Wed 23/11/8 Fri 23/10/20 Fri 23/12/8 20 days Wed 23/11/8 Sun 23/11/19 10,5FS-1 day 30 days 15 EIAO Commencement of Construction 1 day Wed 24/2/21 Wed 24/2/21 Wed 24/2/21 Wed 24/2/21 Wed 24/2/21 Wed 24/2/21 0 days \\WingTatNas0 Environmental Baseline Monitoring Tue 24/1/23 Tue 24/2/20 Tue 24/1/23 Tue 24/2/20 Thu 26/5/21 Thu 26/6/18 15FS-30 days 29 days 849 days 18 Freshwater Crab Translocation Plan [A] 30 days Sat 23/12/23 Mon 24/1/22 Sat 23/12/23 Mon 24/1/22 879 days 7,15SF-30 days Environmental Team - Ecologis Wed 26/5/20 Thu 26/6/18 Condition Survey & Str. Assessment (Shui Kan Shek, Fu Hing Garden, Twin 1500 120 days Thu 24/3/7 Thu 23/11/9 Thu 24/3/7 Sun 25/12/21 Building Surveyor / Structural Enginee Thu 23/11/9 Sun 26/4/19 773 days 7.13 20 50 days 20 days Thu 23/11/9 Tue 23/11/28 Thu 23/11/9 Tue 23/11/28 Fri 23/12/29 Wed 24/1/17 7.13 Competent Person (UU) Vegetation Survey [A] 20 days Thu 23/11/9 Tue 23/11/28 Thu 23/11/9 Tue 23/11/28 Fri 23/12/29 50 days mental Team - Ecologis Wed 24/1/17 7.13 22 Tree Survey and Felling (A) Thu 23/11/9 Tue 23/11/28 Thu 23/11/9 Tue 23/11/28 Sat 23/12/9 Thu 23/12/28 30 days 20 days 7.13 23 Setup of instrumentation and monitoring [A] Wed 23/11/29 Mon 23/12/18 Wed 23/11/29 Mon 23/12/18 Fri 23/12/29 20 days Wed 24/1/17 30 days 24 Site Clearance [A] Tue 23/12/19 Mon 24/1/8 Tue 23/12/19 Mon 24/1/8 Thu 24/1/18 our, 1 grab truck 21 days Wed 24/2/7 30 days 0 23.21 Establish access(es) to channels [A] Tue 23/12/19 Mon 24/1/8 Tue 23/12/19 Mon 24/1/8 Thu 24/1/18 Wed 24/2/7 30 days 0 Widening making good or leasing of private land may be required 21 days 20,23 26 Guarding / Barrier / Hoarding [A] Tue 23/12/19 Mon 24/1/8 Tue 23/12/19 Mon 24/1/8 Thu 24/1/18 Wed 24/2/7 30 days 1x lorry crane, 3x labour, 1x welde 21 days 20.23 Drainage Channel Works (East) 974 days Thu 23/10/19 Thu 26/6/18 Thu 23/10/19 Thu 26/6/18 Thu 26/6/18 0 days 28 HC05 CH A284 946~CH A339 556 (Ex. CH Str. Assessment) 60 days Fri 24/3/8 Mon 24/5/6 Fri 24/3/8 Mon 24/5/6 Mon 26/4/20 Thu 26/6/18 773 days (Deleted in PMI) Demolish & relocate wall, gate YLL797/2 30 days Tue 23/12/26 Wed 24/1/24 Tue 23/12/26 Wed 24/1/24 Sun 26/3/8 Mon 26/4/6 803 days 30 (Deleted in PMI) HC01 CHA11:13~CHA18:14 45 days Thu 24/1/25 Sat 24/3/9 Thu 24/1/25 Sat 24/3/9 Tue 26/4/7 Thu 26/5/21 803 days 29 (Deleted in PMI) Pedestrian & Vehicular Crossing no. 1 (Box Culvert no. 1) 28 days Sun 24/3/10 Sat 24/4/6 Sun 24/3/10 Sat 24/4/6 Fri 26/5/22 Thu 26/6/18 803 days Temp-orary crossing HC02 CH A18.14~CH.A120.261 (BC1~2) Thu 23/10/19 Fri 24/6/28 Thu 23/10/19 Fri 24/6/28 33 EWN/007 NCE/001 Ambiguity on Drawings Thu 23/10/19 Fri 23/11/17 Thu 23/10/19 Fri 23/11/17 Mon 23/11/20 Tue 23/12/19 ´Task Rolled Up Critical Task Rolled Up Progress External Tasks Progress Revision : 8.0 Date: 30 April 2024 Milestone • Critical Task Rolled Up Task Rolled Up Milestone Split Project Summary Deadline Page 8

Drain: {U/S}~{D/S},size+type,bedding,length(m),depth(m) U-Channel: {U/S}~{D/S},size+type,length(m) Drainage Channel: {U/S}~{D/S}

WING TAT CIVIL ENGINEERING CO LTD
CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2

		CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME
ID Task	Name	Duration Start Finish Early Start Early Finish Late Start Late Finish Total Stack TRA Predecessors Half 1 2023, Half 2 2024, Half 2 2024, Half 2 2025, Half 2 2025, Half 2 2025, Half 2 2026, Half 2 202
34	C9 tender for Precast units [A]	20 days Sat 23/11/18 Thu 23/12/7 Sat 23/11/18 Thu 23/12/7 Wed 23/12/20 Mon 24/1/8 32 days 0 33
35	Fabrication of Precast units [A]	30 days Fri 23/12/8 Sat 24/1/6 Fri 23/12/8 Sat 24/1/6 Tue 24/1/19 Wed 24/1/1 32 days 0 34
36 37	Sheetpiling & Temp. Drainage Diversion [A] Excavation and Lateral Support [A]	44 days Thu 24/2/8 Fn 24/3/22 Thu 24/2/8 Fn 24/3/22 Thu 24/2/8 Fn 24/3/22 Thu 24/2/8 Fn 24/3/22 O days 1 35,25,26,15FS- 35 days Tue 24/3/5 Mon 24/4/8 Tue 24/3/2 Tue 24/3/2 Tue 24/3/2 Tue 24/3/2 Tue 24/3/5 Mon 24/4/8 Tue 24/3/5 Mon 24/4/8 Tue 24/3/2 Tue
38	Walls	40 days Fri 24/3/22 Tue 24/4/30 Fri 24/3/22 Tue 24/4/30 O days
39	Install precast portion (double beam)	40 days Fn 24/3/22 Tue 24/4/30 Fri 24/3/22 Tue 24/4/30 Fri 24/3/22 Tue 24/4/30 Fri 24/3/22 Tue 24/4/30 O days 0 37FS-18 days
40	Ground Beams	40 days Sat 24/4/6 Wed 24/5/15 Sat 24/4/6 Wed 24/5/15 Sat 24/4/6 Wed 24/5/15 Sat 24/4/6 Wed 24/5/15 O days
41	Rebar Fixing	30 days Sat 24/4/6 Sun 24/5/5 Sat 24/4/6 Sun
42	Formwork Erection and Cast-in items	30 days Tue 24/4/16 Wed 24/5/15 Tue 24/4/16 Wed 24/5/15 Tue 24/4/16 Wed 24/5/15 Tue 24/4/16 Wed 24/5/15 Tue 24/4/26 Fri 24/4/2
43	Concreting Other in-situ portions	1 day Fri 24/4/26 Fri 24/4/27 Wed 24/6/5 Sat 24/4/27 Wed 24/6/5
45	Rebar Fixing	30 days Sat 24/4/27 Sun 24/5/26 Sat 24/5/26 Sat 24/4/27 Sun 24/5/26 Sat 24/5/2
46	Formwork Erection and Cast-in items	30 days Tue 24/5/7 Wed 24/6/5 Wed 24/6/5 Tue 24/5/7 Wed 24/6/5 Wed 24/6/5 Wed 24/6/5 Wed
47	Concreting	1 day Fri 24/5/17
48	Backfilling and Compaction	28 days Sat 24/5/18 Fri 24/6/14 Sat 24/5/18 Sat 24/5/1
49 50	Removal of Sheetpiles Animal Escape Ramp	28 days Sat 24/6/1 Fri 24/6/28 Odays U 48FS-14 days 28 days Sat 24/6/15 Fri 24/7/12 Sat 24/6/15 Fri 24/7/12 Fri 26/5/22 Thu 26/6/18 706 days U 49FS-14 days
51	Pedestrian & Vehicular Crossing no. 2 (Box Culvert no. 2) [A]	28 days Sat 24/6/15 Fri 24/7/12 Sat 24/6/15 Fri 24/7/12 Fri 26/5/22 Thu 26/6/18 706 days 0 49FS-14 days Temporary crossing
52	Demolish & relocate toilet YLL797/5 [A]	10 days Sat 24/6/15 Mon 24/6/24 Sat 24/6/15 Mon 24/6/24 Sat 24/6/15 Mon 24/6/24 Sat 24/6/15 Mon 24/6/24 D days 0 49FS-14 days
53	Demolish & relocate container YLL797/6 [A]	10 days Sat 24/6/15 Mon 24/6/24 Sat 24/6/15 Mon 24/6/2
54	Demolish & relocate porch YLL797/7 [A]	10 days Sat 24/6/15 Mon 24/6/24 Sat 24/6/15 Mon 24/6/24 Sat 24/6/15 Mon 24/6/24 Sat 24/6/15 Mon 24/6/24 O days 0 49FS-14 days
55	Demolish & relocate fencing, retaining wall YLL797/10,11 [A]	10 days Sat 24/6/15 Mon 24/6/24 Sat 24/6/15 Mon 24/6/24 Sat 24/6/15 Mon 24/6/24 O days 0 49FS-14 days
56 57	HC03 CH.A126.235~CH.A187,706 (BC2-3) Sheetpiling & Temp. Drainage Diversion	122 days Mon 24/6/10 Wed 24/10/9 Mon 24/6/10 Wed 24/10/9 Mon 24/6/10 Wed 24/10/9 Mon 24/6/10 Wed 24/10/9 O days 28 days Mon 24/6/10 Sun 24/7/7 Mon 24/6/10 Sun
58	Excavation and Lateral Support	28 days Mon 24/6/24 Sun 24/7/21 Mon 24/6/24 Sun 24/7/21 Mon 24/6/24 Sun 24/7/21 Mon 24/6/24 Sun 24/7/21 Odays 2 57FS-14 days 28 days Mon 24/6/24 Sun 24/7/21 Mon 24/6/24 Sun
59	Walls	35 days Mon 24/7/8 Sun 24/8/11 Mon 24/7/8 Sun 24/8/11 Mon 24/7/8 Sun 24/8/11 0 days
60	Install precast portion (double beam)	35 days Mon 24/7/8 Sun 24/8/11 Mon 24/7/8 Sun 24/8/11 Mon 24/7/8 Sun 24/8/11 Mon 24/7/8 Sun 24/8/11 Odays 0 58FS-14 days
61	Ground Beams	30 days Thu 24/7/18 Fri 24/8/16 Thu 24/7/18 Fri 24/8/16 Thu 24/7/18 Fri 24/8/16 O days
62	Rebar Fixing Formwork Erection and Cast-in items	20 days Thu 24/7/18 Tue 24/8/6 O days 2 60FS-25 days 20 days Sun 24/7/28 Fri 24/8/16 Sun 24/8
64	Concreting	20 days Sun 24/7/28 Fri 24/8/16 Sun 24/7/28 Fri 24/8/16 Sun 24/7/28 Fri 24/8/16 Sun 24/7/28 Fri 24/8/16 Odays 2 62FS-10 days 1 day Wed 24/8/7 Wed 24/8/7 Wed 24/8/7 Wed 24/8/7 Wed 24/8/7 Wed 24/8/7 Odays Carpenters 1 day Wed 24/8/7 Wed 24/8/7 Wed 24/8/7 Wed 24/8/7 Wed 24/8/7 Odays Concrete mixers,1 gang.pump truck
65	Other in-situ portions	30 days Thu 24/8/8 Fri 24/9/6 Thu 24/8/8 Fri 24/9/6 Thu 24/8/8 Fri 24/9/6 O days
66	Rebar Fixing	20 days Thu 24/8/8 Tue 24/8/27 Thu 24/8/8 Tue 24/8/27 Thu 24/8/8 Tue 24/8/27 0 days 2 64
67	Formwork Erection and Cast-in items	20 days Sun 24/8/18 Fri 24/9/6 Sun 24/8/18 Fri 24/9/6 Sun 24/8/18 Fri 24/9/6 Sun 24/8/18 Fri 24/9/6 O days 2 66FS-10 days
68 69	Concreting Backfilling and Compaction	1 day Wed 24/8/28 Wed 24/8/29 Wed 24/9/25 Thu 24/8/29
70	Removal of Sheetpiles	28 days Thu 24/9/12 Wed 24/10/9 Thu 24/9/12 Wed 24/10/9 Thu 24/9/12 Wed 24/10/9 O days 0 69FS-14 days 28 days Thu 24/9/12 Wed 24/10/9 Thu 24/9/12 Wed
71	Pedestrian & Vehicular Crossing no. 1 (Box Culvert no. 3)	40 days Thu 24/9/26 Mon 24/11/4 Thu 24/9/26 Mon 24/11/4 Thu 24/9/26 Mon 24/11/4 Thu 24/9/26 Mon 24/11/4 O days 0 70FS-14 days
72	Demolish & relocate drainage channel YLL797/12	20 days Tue 24/10/22 Sun 24/11/10 Tue 24/10/22 Sun 24/11/10 Tue 24/10/22 Sun 24/11/10 O days 0 71FS-14 days
73	HC04 CH.A195.853~CH.A284.946 (BC3~Ex. CH)	133 days Sun 24/10/27 Sat 25/3/8 Sun 24/10/27 Sat 25/3/8 Sun 24/10/27 Sat 25/3/8 Sun 24/10/27 Sun 24/12/1 Sun 24/10/27 Sun 24/
74	Sheetpiling & Temp. Drainage Diversion Excavation and Lateral Support	36 days Sun 24/10/27 Sun 24/12/1 Sun 24/10/27 Sun 24/12/1 Sun 24/12/19 Sun 2
76	Ground and Edge Bearns	55 days Mon 24/12/2 Sat 25/1/25 Mon 24/12/2 Sat 25/1/2
77	Install precast portion (ground beam)	40 days Mon 24/12/2 Fri 25/1/10 Mon 24/12/2 Fri 25/1/1
78	Rebar Fixing	30 days Tue 24/12/17 Wed 25/1/15 Tue 24/12/17 Wed 25/1/15 Tue 24/12/17 Wed 25/1/15 O days 2 77FS-25 days
79 80	Formwork Erection and Cast-in items	30 days Fri 24/12/27 Sat 25/1/25 Fri 24/12/27 Sat 25/1/25 Fri 24/12/27 Sat 25/1/25 Fri 24/12/27 Sat 25/1/25 O days 2 78FS-20 days 1 day Mon 25/1/6 Mon 25
81	Concreting Walls	1 day Mon 25/1/6 Mon 2
82	Rebar Fixing	30 days Tue 25/1/7 Wed 25/2/5 Tue 25/1/7 Wed 25/2/5 Tue 25/1/7 Wed 25/2/5 Tue 25/1/7 Wed 25/2/5 Undays 2 80
83	Formwork Erection and Cast-in items	30 days Fri 25/1/17 Sat 25/2/15 Fri 25/1/17 Sat 25/2/15 Fri 25/1/17 Sat 25/2/15 O days 2 82FS-20 days
84 85	Concreting	1 day Mon 25/1/27 Mon 25/1/28 Wed 25/2/26 Tue 25/1/28 Wed 25/2/26
85	Backfilling and Compaction Removal of Sheetpiles	30 days Tue 25/1/28 Wed 25/2/26 Tue 25/1/28 Wed 25/2/26 Tue 25/1/28 Wed 25/2/26 Tue 25/1/28 Wed 25/2/26 Odays 0 84 30 days Fri 25/2/7 Sat 25/3/8 Fri 25/2/7 Sat 25/3/8 Fri 25/2/7 Sat 25/3/8 Odays 0 85FS-20 days 1x lorry crane,1x Sheetpiling machine
87	2x300 pipe with flap valve	30 days Mon 25/2/17 Tue 25/3/18 Mon 25/2/17 Tue 25/3/18 Wed 26/5/20 Thu 26/6/18 457 days 4 86FS-20 days
88	Demolish & relocate metal frame YLL797/28,30,33	30 days Mon 25/2/17 Tue 25/3/18 Mon 25/2/17 Tue 25/3/18 Mon 25/2/17 Tue 25/3/18 Mon 25/2/17 Tue 25/3/18 O days 0 86FS-20 days
89	Demolish & relocate storage YLL797/29	30 days Mon 25/2/17 Tue 25/3/18 Mon 25/2/17 Tue 25/3/18 Mon 25/2/17 Tue 25/3/18 0 days 0 86FS-20 days
90	Demolish & relocate retaining wall YLL797/32	30 days Mon 25/2/17 Tue 25/3/18 Mon 25/2/17 Tue 25/3/18 Mon 25/2/17 Tue 25/3/18 O days 0 86FS-20 days
91	HC06 CH.A339.556~CH.A400.00 Sheetpiling & Temp. Drainage Diversion	127 days Tue 25/3/4 Wed 25/4/2 Tue 25/3/4 We
93	Excavation and Lateral Support	30 days Wed 25/3/19 Thu 25/4/17 Wed 25/3/19 Thu 25/4/17 Wed 25/3/19 Thu 25/4/17 Wed 25/3/19 Thu 25/4/17 Ued 25/3/19 Ued 25/3/1
94	Ground and Edge Beams	55 days Thu 25/4/3 Tue 25/5/27 Thu 25/4/3 Tue 25/5/27 Thu 25/4/3 Tue 25/5/27 O days
95	Install precast portion (ground beam)	40 days Thu 25/4/3 Mon 25/5/12 Thu 25/4/3 Mon 25/5/12 Thu 25/4/3 Mon 25/5/12 0 days 0 93FS-15 days
96	Rebar Fixing	30 days Fri 25/4/18 Sat 25/5/17 Fri 25/4/18 Sat 25/5/17 Fri 25/4/18 Sat 25/5/17 Fri 25/4/18 Sat 25/5/17 O days 2 95FS-25 days 30 days Mon 25/4/28 Tue 25/5/27 O days 2 96FS-20 days
97 98	Formwork Erection and Cast-in items Concreting	30 days Mon 25/4/28 Tue 25/5/27 Mon 25/4/28 Tue 25/5/27 Mon 25/4/28 Tue 25/5/27 Mon 25/4/28 Tue 25/5/27 O days 2 96FS-20 days 1 day Thu 25/5/8
99	Walls	40 days Fri 25/5/9 Tue 25/6/17 Fri 25/5/9 Tue 25/6/17 Fri 25/5/9 Tue 25/6/17 Odays Fri 25/5/9 Tue 25/6/17 Fri 25/5
100	Rebar Fixing	30 days Fri 25/5/9 Sat 25/6/7 Fri 25/5/9 Sat 25/6/7 Fri 25/5/9 Sat 25/6/7 O days 2 98
101	Formwork Erection and Cast-in items	30 days Mon 25/5/19 Tue 25/6/17 Mon 25/5/19 Tue 25/6/17 Mon 25/5/19 Tue 25/6/17 O days 2 100FS-20 days
102	Concreting	1 day Thu 25/5/29
103	Backfilling and Compaction Removal of Sheetpiles	30 days Fri 25/5/30 Sat 25/6/28 Fri 25/5/30 Sat 25/6/28 Fri 25/5/30 Sat 25/6/28 Fri 25/5/30 Sat 25/6/28 0 days 0 102 30 days Mon 25/6/9 Tue 25/7/8 Mon 25
105	Removal of Sheetpiles Temp support to 3x ex. Cable bridge	30 days Mon 25/6/9 Tue 25/7/8 Mon 25/6/9 Tue 25/7/8 Mon 25/6/9 Tue 25/7/8 Mon 25/6/9 Tue 25/7/8 0 days 0 103FS-20 days 45 days Thu 25/6/19 Sat 25/8/2 Thu 25/6/19 Sat 25/8/2 Tue 26/5/5 Thu 26/6/18 320 days 4 104FS-20 days
106	Demolish & relocate porch YLL797/34,37	30 days Thu 25/6/19 Fri 25/7/18 Thu 25/6/19 Fri 25/7/18 Thu 25/6/19 Fri 25/7/18 0 days 0 104FS-20 days
107	Demolish & relocate car body YLL797/36	30 days Thu 25/6/19 Fri 25/7/18 Thu 25/6/19 Fri 25/7/18 Thu 25/6/19 Fri 25/7/18 Thu 25/6/19 Fri 25/7/18 0 days 0 104FS-20 days
108	Demolish & relocate godown YLL797/35	30 days Thu 25/6/19 Fri 25/7/18 Thu 25/6/19 Fri 25/7/18 Thu 25/6/19 Fri 25/7/18 Thu 25/6/19 Fri 25/7/18 O days 0 104FS-20 days
109	HC07 CH.A400,00~CH.A500.00	131 days Fri 25/7/4 Tue 25/11/11 Tue 25/11/1
110	Sheetpiling & Temp. Drainage Diversion Excavation and Lateral Support	35 days Fri 25/7/4 Thu 25/8/7 Fri 25/7/4 Thu 25/8/7 Fri 25/7/4 Thu 25/8/7 Fri 25/7/4 Thu 25/8/7 O days 2 106FS-15 days, 35 days Mon 25/7/21 Sun 25/8/24 Mon 25/8/
112	Ground and Edge Beams	55 days Thu 25/8/7 Tue 25/9/30 Thu 25/8/7 Tue 25/9/30 0 days
113	Install precast portion (ground beam)	40 days Thu 25/8/7 Mon 25/9/15 Thu 25/8/7 Mon 25/9/15 Thu 25/8/7 Mon 25/9/15 0 days 0 111FS-18 days
114	Rebar Fixing	30 days Fri 25/8/22 Sat 25/9/20 Fri 25/8/20 Fri 25/8/2
115	Formwork Erection and Cast-in items	30 days Mon 25/9/1 Tue 25/9/30 Mon 25/9/1 Tue 25/9/30 Mon 25/9/1 Tue 25/9/30 Mon 25/9/1 Tue 25/9/30 O days 2 114FS-20 days
Povision - 0.0	Task Task	Progress Summary Rolled Up Critical Task Rolled Up Progress External Tasks Group By Summary
Revision : 8.0	Date: 30 April 2024 Critical Task	Milestone Rolled Up Task Rolled Up Milestone Split Project Summary Deadline
Drain: (1)/S1~(1)/S1	},size+type,bedding,length(m),depth(m)	Page 9
	Here A heleogen Brought (m) gebruin)	-9**

WING TAT CIVIL ENGINEERING CO LTD
CONTRACT NO. DC/2022/02 - DRAINAGE WRPCVEMENT WORKS AT YUEN LONG - STAGE 2

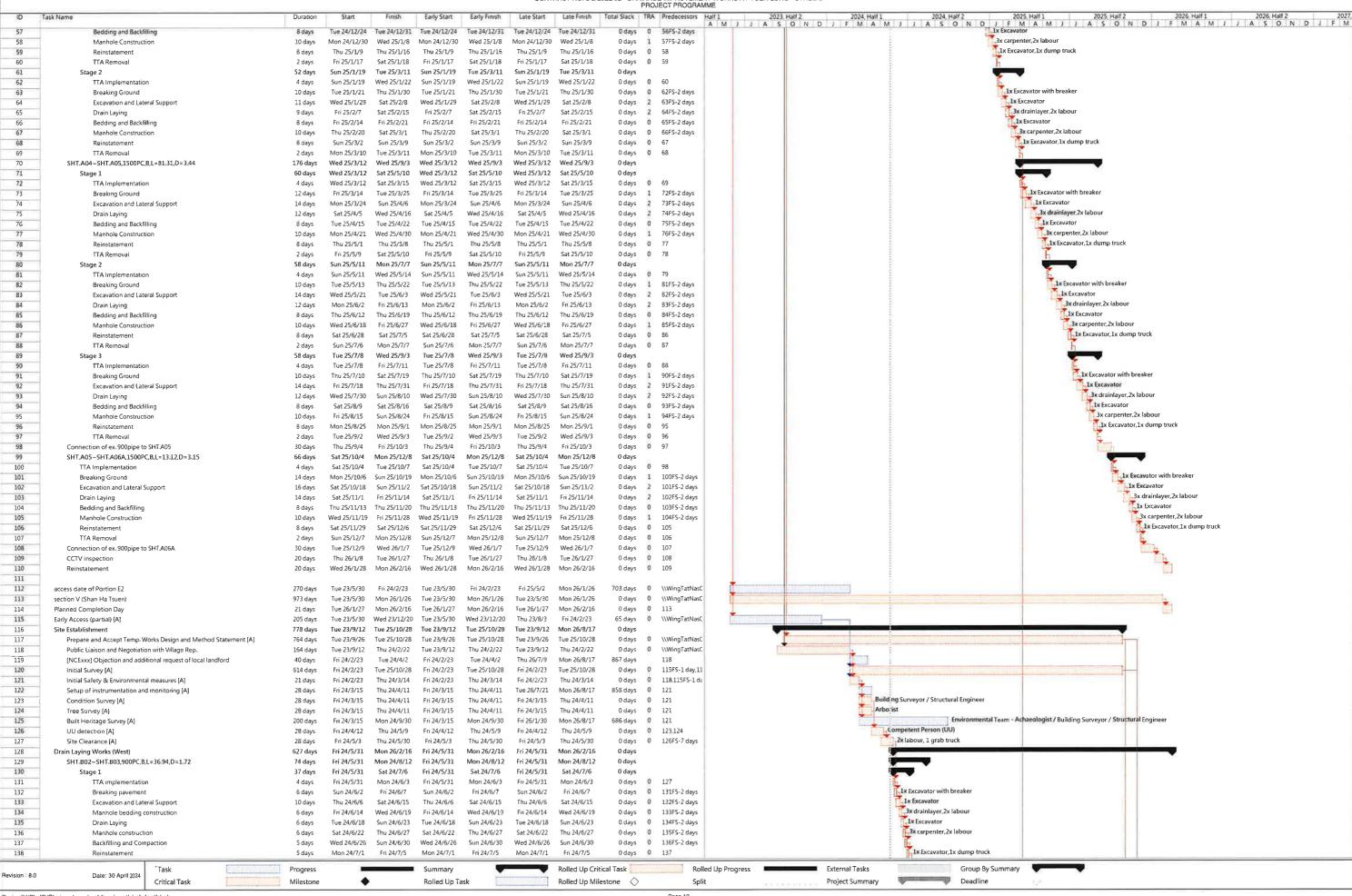
				CONTRACT NO. DC/2	2022/02 - DRAINAGE IMPROVEMENT WORKS AT Y PROJECT PROGRAMME	JEN LONG - STAGE 2
ID	Task Name	Duration Start Finish	Early Start Early Finish	Late Start Late Finish	Total Slack TRA Predecessors Half 1	2023, Half 2 2024, Half 1 2024, Half 2 2025, Half 1 2025, Half 2 2026,
116	Concreting	1 day Thu 25/9/11 Thu 25/9/	11 Thu 25/9/11 Thu 25/9/11		0 days 0 115FS-20 days	A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F
117	Walls	40 days Fri 25/9/12 Tue 25/10/			0 days	
118 119	Rebar Fixing Formwork Erection and Cast-in items	30 days Fri 25/9/12 Sat 25/10/ 30 days Mon 25/9/22 Tue 25/10/			0 days 2 116	3x rebar fixers
120	Concreting	30 days Mon 25/9/22 Tue 25/10/ 1 day Thu 25/10/2 Thu 25/10			0 days 2 118FS-20 days 0 days 0 119FS-20 days	3x carpenters
121	Backfilling and Compaction	30 days Fri 25/10/3 Sat 25/11,			0 days 0 120	1x Excavator,1x dump truck
122	Removal of Sheetpiles	30 days Mon 25/10/13 Tue 25/11/			0 days 0 121FS-20 days	1x lorry crane,1x Sheetpiling machine
123	Demolish & relocate porch, hoarding YLL797/44	30 days Thu 25/10/23 Fri 25/11//			0 days 0 122FS-20 days	
124 125	Demolish & relocate porch YLL797/38,39 HC08 CH.A500.00~CH.A546,816	30 days Thu 25/10/23 Fri 25/11/. 116 days Fri 25/11/7 Mon 26/3			0 days	* <u></u>
126	Sheetpiling & Temp, Drainage Diversion	25 days Fri 25/11/7 Mon 25/12			0 days 2 123FS-15 days,	1.x Sheetpiling machine,1x lorry crane
127	Excavation and Lateral Support	25 days Wed 25/11/19 Sat 25/12/	13 Wed 25/11/19 Sat 25/12/13	3 Wed 25/11/19 Sat 25/12/13	0 days 2 126FS-13 days	1x Excavator, 1x dump truck, 2x labour
128	Ground and Edge Beams	40 days Mon 25/12/1 Fri 26/1/	9 Mon 25/12/1 Fri 26/1/9	Mon 25/12/1 Fri 26/1/9	0 days	
129	Install precast portion (ground beam)	30 days Mon 25/12/1 Tue 25/12/			0 days 0 127FS-13 days	x lorry crane, 2x labour 3x rebar fixers
131	Rebar Fixing Formwork Erection and Cast-in items	20 days Thu 25/12/11 Tue 25/12/ 20 days Sun 25/12/21 Fri 26/1/9		0 Thu 25/12/11 Tue 25/12/30 Sun 25/12/21 Fri 26/1/9	0 days 2 129FS-20 days 0 days 2 130FS-10 days	3x carpenters
132	Concreting	1 day Wed 25/12/31 Wed 25/12			0 days 0 131FS-10 days	1 gang_concrete mixers,pump truck
133	Walls	30 days Thu 26/1/1 Fri 26/1/3	0 Thu 26/1/1 Fri 26/1/30	Thu 26/1/1 Fri 26/1/30	0 days	
134	Rebar Fixing	20 days Thu 26/1/1 Tue 26/1/3			0 days 2 132	3x rebar fixers
135 136	Formwork Erection and Cast-in items Concreting	20 days Sun 26/1/11 Fri 26/1/3 1 day Wed 26/1/21 Wed 26/1/			0 days 2 134FS-10 days 0 days 0 135FS-10 days	3x carpenters Concrete mixers, 1 gang, pump truck
137	Backfilling and Compaction	30 days Thu 26/1/22 Fn 26/2/2			0 days 0 136	1st Excavator, 1st dump truck
138	Removal of Sheetpiles	30 days Sun 26/2/1 Mon 26/3			0 days	1x lorry crane,1x Sheetpiling machine
139	Pedestrian & Vehicular Crossing no. 3 (Box Culvert no. 4)	45 days Wed 26/2/11 Fri 26/3/2			83 days 4 138FS-20 days	Temporary crossing
140	Demolish & relocate hoarding, wall YLL797/40	30 days Wed 26/2/11 Thu 26/3/			0 days 0 138FS-20 days	
141	Demolish & relocate storage YLL797/42 HC09 CH.A546.816~CH.A611.404	30 days Wed 26/2/11 Thu 26/3/: 92 days Thu 26/2/26 Thu 26/5/.			0 days 0 138FS-20 days 0 days	X
142	Sheetpiling & Temp. Drainage Diversion	92 days Thu 26/2/26 Thu 26/5/. 25 days Thu 26/2/26 Sun 26/3/.			0 days 1 140FS-15 days,	1x Sheetpiling machine,1x lorry crane
144	Excavation and Lateral Support	25 days Sun 26/3/8 Wed 26/4,			0 days 1 143FS-15 days	1x Excavator,1x dump truck,2x labour
145	Base Slab	35 days Wed 26/3/18 Tue 26/4/			0 days	
146	Rebar Fixing	25 days Wed 26/3/18 Sat 26/4/1			0 days 1 144FS-15 days	3x rebar fixers
147	Formwork Erection and Cast-in items Concreting	25 days Sat 26/3/28 Tue 26/4/3 1 day Tue 26/4/7 Tue 26/4/		Sat 26/3/28 Tue 26/4/21 Tue 26/4/7 Tue 26/4/7	0 days	x carpenters
149	Walls and Roof Slab	35 days Wed 26/4/8 Tue 26/5/3			0 days 0 1477-1-3 days	garageonice interspetity title
150	Rebar Fixing	25 days Wed 26/4/8 Sat 26/5/		Wed 26/4/8 Sat 26/5/2	0 days 1 148	3x rebar fixers
151	Formwork Erection and Cast-in Items	25 days Sat 26/4/18 Tue 26/5/			0 days 1 150FS-15 days	3x carpenters
152 153	Concreting	1 day Tue 26/4/28 Tue 26/4/3			0 days 0 151FS-15 days	Concrete mixers, 1 gang, pump truck
153	Backfilling and Compaction Removal of Sheetpiles	20 days Wed 26/4/29 Mon 26/5/ 20 days Sat 26/5/9 Thu 26/5/3			0 days 0 152 0 days 0 153FS-10 days	Ix Excavator, Ix dump truck Ix lorry crane, Ix Sheetpiling machine
155	Facing stone	21 days Fri 26/5/29 Thu 26/6/:			0 days 0 154	Elevated Working Platform, Builder
156	ABWF works	21 days Fri 26/5/29 Thu 26/6/3			0 days 0 154	
157	Bedding works	21 days Fri 26/5/29 Thu 26/6/:			0 days 0 154	
158 159	Drainage Channel Works (West) HC11 CH.A674.419~CH.A740.619 (Ex. CH Str. Assessment)	833 days Fri 24/3/8 Thu 26/6/: 30 days Fri 24/3/8 Sat 24/4/			0 days 803 days 0 19	The state of the s
161	Demolish ex. Geotechnical feature 6NE-B/R19	30 days Wed 25/6/25 Thu 25/7/2			803 days 0 19 0 days 0 \\WingTatNasC	
162	Demolish ex. Geotechnical feature 6NE-B/R19	30 days Wed 25/6/25 Thu 25/7/2			0 days 0 \\WingTatNasC	
163	Demolish & relocate boundary wall, platform, gate YLL797/46	30 days Wed 25/6/25 Thu 25/7/2			0 days 0 \\WingTatNasC	
164 165	HC12 CH A740.619~CH A863.619 Sheetpiling & Temp. Drainage Diversion	202 days Thu 25/7/10 Tue 26/1/3 56 days Thu 25/7/10 Wed 25/9,			0 days 0 days 2 161FS-15 days,	.1x Sheetpiling machine,1x lorry crane
166	Excavation and Lateral Support	56 days Sun 25/8/10 Sat 25/10/			0 days 2 161FS-15 days, 0 days 2 165FS-25 days	. Ix Excavator, Ix dump truck, 2x labour
167	Ground and Edge Beams	68 days Wed 25/9/10 Sun 25/11/	16 Wed 25/9/10 Sun 25/11/1	6 Wed 25/9/10 Sun 25/11/16	0 days	
168	Install precast portion (ground beam)	50 days Wed 25/9/10 Wed 25/10,	29 Wed 25/9/10 Wed 25/10/2	9 Wed 25/9/10 Wed 25/10/29	0 days 0 166FS-25 days	lx lorry crane,2x labour
169 170	Rebar Fixing	36 days Tue 25/9/30 Tue 25/11,			0 days 2 168FS-30 days	3x rebar fixers
171	Formwork Erection and Cast-in items Concreting	36 days Sun 25/10/12 Sun 25/11/ 1 day Fri 25/10/24 Fri 25/10/2			0 days 2 169FS-24 days 0 days 0 170FS-24 days	3x carpenters 1 gang,concrete mixers,pump truck
172	Walls	48 days Sat 25/10/25 Thu 25/12/			0 days	
173	Rebar Fixing	36 days Sat 25/10/25 Sat 25/11/	29 Sat 25/10/25 Sat 25/11/29	9 Sat 25/10/25 Sat 25/11/29	0 days 2 171	3x rebar fixers
174	Formwork Erection and Cast-in items	36 days Thu 25/11/6 Thu 25/12/			0 days 2 173FS-24 days	3x carpenters
175 176	Concreting Backfilling and Compaction	1 day Tue 25/11/18 Tue 25/11/ 45 days Wed 25/11/19 Fri 26/1/3		8 Tue 25/11/18 Tue 25/11/18 Wed 25/11/19 Fn 26/1/2	0 days 0 174FS-24 days 0 days 0 175	concrete mixers, 1 gang, pump truck 1x Excavator, 1x dump truck
177	Removal of Sheetpiles	45 days Sun 25/12/14 Tue 26/1/2			0 days 0 176FS-20 days	Lix lorry crane,1x Sheetpiling machine
178	HC13 CH A863.619~CH A905.630	161 days Thu 26/1/8 Wed 26/6/			0 days	
179	Sheetpiling & Temp. Drainage Diversion	44 days Thu 26/1/8 Fri 26/2/2			0 days 2 177FS-20 days	1x Sheetpiling machine,1x lorny crane
180	Excavation and Lateral Support	44 days Fri 26/1/30 Sat 26/3/1			0 days 2 179FS-22 days	1x Excavator, 1x dump truck, 2x labour
181	Ground and Edge Beams Install precast portion (ground beam)	70 days Sat 26/2/21 Fri 26/5/: 45 days Sat 26/2/21 Mon 26/4/		Sat 26/2/21 Fri 26/5/1 Sat 26/2/21 Mon 26/4/6	0 days 0 days	1x lonry crane,2x labour
183	Rebar Fixing	30 days Wed 26/3/18 Thu 26/4/1			0 days 2 182FS-20 days	3x rebar fixers
184	Formwork Erection and Cast-in items	30 days Thu 26/4/2 Fri 26/5/1		Thu 26/4/2 Fri 26/5/1	0 days 2 183FS-15 days	-3x carpenters
185	Concreting	1 day Fri 26/4/17 Fri 26/4/1		Fri 26/4/17 Fri 26/4/17	0 days 0 184FS-15 days	1 gang,concrete mixers,pump truck
186 187	Walls Robus Sixing	30 days Sat 26/4/18 Sun 26/5/			0 days	3x rebar fixers
188	Rebar Fixing Formwork Erection and Cast-in Items	20 days Sat 26/4/18 Thu 26/5/ 20 days Tue 26/4/28 Sun 26/5/:		Sat 26/4/18 Thu 26/5/7 Tue 26/4/28 Sun 26/5/17	0 days 2 185 0 days 2 187FS-10 days	3x carpenters
189	Concreting	1 day Fri 26/5/8 Fn 26/5/8		Fri 26/5/8 Fri 26/5/8	0 days 0 188FS-10 days	Leoncrete mixers, 1 gang, pump truck
190	Backfilling and Compaction	30 days Sat 26/5/9 Sun 26/6/		Sat 26/5/9 Sun 26/6/7	0 days 0 189	lx Excavator, 1x dump truck
191	Removal of Sheetpiles	30 days Tue 26/5/19 Wed 26/6/			0 days 0 190FS-20 days	1x lorry crane, 1x Sheetpiling machine
192 193	Facing stone ABWF works	21 days Fri 26/5/29 Thu 26/6/1			0 days 0 191FS-20 days 0 days 0 191FS-20 days	
193	Bedding works	21 days Fri 26/5/29 Thu 26/6/1 21 days Fri 26/5/29 Thu 26/6/1			0 days 0 191FS-20 days 0 days 0 191FS-20 days	
112	-	,, -, -, -, -, -, -, -, -, -, -, -, -,				
113	Section VII	820 days Tue 23/5/30 Tue 25/8/3			0 days	
2	access date of Portion D	210 days Tue 23/5/30 Mon 23/12/			0 days 0 \\WingTatNasC	
3	section VII (Ha Che - Fam Kam Road)	820 days Tue 23/5/30 Tue 25/8/2	6 Tue 23/5/30 Tue 25/8/26		0 days 0 \\WingTatNasC	
Revision : 8.0	Date: 30 April 2024	Progress	Summary	Rolled Up Crit		External Tasks Group By Summary
	Critical Task	Milestone	Rolled Up Task	Rolled Up Mile	estone 🔷 Split	Project Summary Deadline
Drain: {U/S}~	{D/S},size+type,bedding,length(m),depth(m)				Page 10	
u-unannei: {L	J/S}~{D/S},size+type,length(m)					

Drain: {U/S}~{D/S},size+type,bedding,length(i U-Channel: {U/S}~{D/S},size+type,length(m) Drainage Channel: {U/S}~{D/S}

WING TAT CIVIL ENGINEERING CO LTD CONTRACT NO, DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME 023 Half 2 2024 Half 1 2024 Half 2 2025 Half 1 2025 Half 2 2026 Half 2 2027 Half 2 2026 Half 2 2027 Half 2 2028 Ha Total Slack | TRA | Predecessors Half Task Name Late Start Late Finish Tue 23/9/12 Fri 24/10/4 Tue 23/9/12 Fri 24/10/4 Fri 23/9/22 Mon 26/8/17 Sun 23/12/24 Tue 23/9/12 Sun 23/12/24 Fri 23/9/22 Wed 24/1/3 \\WingTatNas0 Public Liaison and Negotiation with Village Rep. [A] 104 days Tue 23/9/12 10 days Fri 24/10/4 Mon 23/12/25 Thu 24/1/4 Mon 24/10/14 2FS-1 day,5 Initial Survey Mon 23/12/25 Fri 24/10/4 10 days 0 696 days Sun 24/3/24 Mon 23/12/25 Sun 24/3/24 Thu 25/11/20 Wed 26/2/18 2FS-I day,5 Initial Safety & Environmental measure 91 days Mon 23/12/25 Thu 24/5/23 Mon 24/3/25 Thu 24/5/23 Thu 26/2/19 Sun 26/4/19 696 days 0 Setup of instrumentation and monitoring 60 days Mon 24/3/25 10 Tree Survey [A] 60 days Mon 24/3/25 Thu 24/5/23 Mon 24/3/25 Thu 24/5/23 Thu 26/2/19 Sun 26/4/19 696 days 0 8 Building Surveyor / Structural Engineer Condition Survey Fri 24/5/24 Mon 24/7/22 Fri 24/5/24 Mon 24/7/22 Fri 26/6/19 Mon 26/8/17 756 days 0 9.10 11 60 days Competent Person (UU) 12 60 days Fri 24/5/24 Mon 24/7/22 Fri 24/5/24 Mon 24/7/22 Mon 26/4/20 Thu 26/6/18 696 days Ω 9 10 UU detection 60 days Tue 24/7/23 Fri 24/9/20 Tue 24/7/23 Fri 24/9/20 Fri 26/6/19 Man 26/8/17 696 days 0 12 2x labour, 1 grab truck 13 Site Clearance 14 Temporary Traffic Arrange 281 days Mon 23/12/25 Mon 24/9/30 ######### Mon 24/9/30 ######## Mon 24/9/30 0 days 15 Application of XP 251 days Mon 23/12/25 Sat 24/8/31 Mon 23/12/25 Sat 24/8/31 Mon 23/12/25 Sat 24/8/31 0 days 0 2FS-1 day 16 Submission of TTA and Arrange TMLG 251 days Mon 23/12/25 Sat 24/R/31 Mon 23/12/25 Sat 24/8/31 Mon 23/12/25 Sat 24/8/31 0 days ο 2FS-1 day Approval of TTA 30 days Sun 24/9/1 Mon 24/9/30 Sun 24/9/1 Mon 24/9/30 Sun 24/9/1 Mon 24/9/30 0 davs 0 15.16 18 Drain Laving Works 684 days Fri 23/10/13 Tue 25/8/26 Fri 23/10/13 Tue 25/8/26 Fri 23/10/13 Tue 25/8/26 0 days 19 PMI022 Alternative methodology design for drainage channel underneath Fan 354 days Fri 23/10/13 Mon 24/9/30 Fri 23/10/13 Mon 24/9/30 Fri 23/10/13 Mon 24/9/30 0 days 0 20 Mon 24/10/14 0 days 0 Tue 24/10/1 Mon 24/10/14 Tue 24/10/1 14 days Protection to ex. Dongjiang Water Main HC10 CH_A611_404~CH_A674.419 (Fan Kam Road) Tue 24/10/15 Tue 25/6/24 Tue 24/10/15 Tue 25/6/24 Tue 24/10/15 Tue 25/6/24 21 253 days 0 days 22 Mobilisation of plant Tue 24/10/15 Mon 24/10/28 Tue 24/10/15 Mon 24/10/28 Tue 24/10/15 Mon 24/10/28 0 days 14 days Tue 24/10/29 Sun 24/12/22 Tue 24/10/29 Sun 24/12/22 Tue 24/10/29 0 days 10 23 Installation of pipe roofing 55 days Mon 24/12/23 Thu 25/1/23 Mon 24/12/23 Thu 25/1/23 Mon 24/12/23 Thu 25/1/23 0 days 3 24 Demolition of existing drainage structure 32 days Fri 25/1/24 Mon 25/2/24 Fri 25/1/24 Mon 25/2/24 Fn 25/1/24 Mon 25/2/24 0 days 24 25 Installation of temporary support 32 days 26 Construction of alternative box-culver 80 days Tue 25/2/25 Thu 25/5/15 Tue 25/2/25 Thu 25/5/15 Tue 25/2/25 Thu 25/5/15 0 days 10 Removal of temporary support Fri 25/5/16 Sat 25/6/14 Fri 25/5/16 Sat 25/6/14 Fri 25/5/16 Sat 25/6/14 26 30 days Sun 25/6/15 28 Demoblisation 10 days Sun 25/6/15 Tue 25/6/24 Sun 25/6/15 Tue 25/6/24 Tue 25/6/24 27 Tue 25/7/22 Wed 25/6/25 Tue 25/7/22 Wed 25/6/25 CCTV inspection 28 days Wed 25/6/25 Tue 25/7/22 28 Reinstatement 35 days Wed 25/7/23 Tue 25/8/26 Wed 25/7/23 Tue 25/8/26 Wed 25/7/23 Tue 25/8/26 114 Mon 23/5/29 Mon 26/2/16 Mon 23/5/29 Mon 26/2/16 Mon 23/5/29 Mon 26/8/17 115 995 days Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 Mon 23/5/29 0 \\WingTatNasC 5/29 access date of Portion E1 0 days 0 days \\WingTatNasC section V (Shan Ha Tsuen - Shan Ha Road) 973 days Tue 23/5/30 Mon 26/1/26 Tue 23/5/30 Mon 26/1/26 Tue 23/5/30 Mon 26/1/26 0 days 0 Planned Completion Day 21 days Tue 26/1/27 Mon 26/2/16 Tue 26/1/27 Mon 26/2/16 Tue 26/1/27 Mon 26/2/16 0 days Mon 23/5/29 Sun 25/6/8 Mon 23/5/29 Sun 25/6/8 Sun 23/9/24 Mon 26/2/16 118 days Site Establishmen 742 days Tue 23/9/26 Prepare and Accept Temp. Works Design and Method Statement [A] Sun 25/6/8 Tue 23/9/26 Sun 25/6/8 Wed 24/6/5 Mon 26/2/16 253 days \\WingTatNasC 622 days Tue 23/9/12 Sun 23/12/24 Tue 23/9/12 Sun 23/12/24 Sun 23/9/24 Fri 24/1/5 12 days \\WingTatNasC Public Liaison and Negotiation with Village Rep. [A] 104 days Ω 2FS-1 day Initial Survey [A] 742 days Mon 23/5/29 Sun 25/6/8 Mon 23/5/29 Sun 25/6/8 Tue 24/2/6 Mon 26/2/16 253 days Ω [EWN011] Objection and additional request of Village Rep. Mon 23/12/25 Mon 24/3/18 Mon 23/12/25 Mon 24/3/18 Sat 24/1/6 Sat 24/3/30 85 days 12 days 10 [EWN011] Objection and additional request of Village Rep. 30 days Tue 24/3/19 Wed 24/4/17 Tue 24/3/19 Wed 24/4/17 Sun 24/3/31 Mon 24/4/29 12 days 12 Initial Safety & Environmental measures [A] Sun 24/3/31 Mon 24/4/29 Sun 24/3/31 Mon 24/4/29 Sun 24/3/31 Mon 24/4/29 17FF 30 days 0 days 0 14 Setup of instrumentation and monitoring [A] 45 days Sat 24/3/16 Mon 24/4/29 Sat 24/3/16 Mon 24/4/29 Sat 24/3/16 Mon 24/4/29 0 days 0 17FF 15 Sat 24/3/16 Mon 24/4/29 Sat 24/3/16 Mon 24/4/29 Sat 24/3/16 Mon 24/4/29 0 days 0 17FF Tree Survey [A] 45 days Competent Person (UU 16 UU detection [A] 30 days Sun 24/3/31 Mon 24/4/29 Sun 24/3/31 Mon 24/4/29 Sup 24/3/31 Mon 24/4/29 0 days 0 17FF 30 days 2x labour, 1 grab truck Site Clearance [A] Sun 24/3/31 Mon 24/4/29 Sun 24/3/31 Mon 24/4/29 Sun 24/3/31 Mon 24/4/29 0 days 0 21FF Temporary Traffic Arrang 18 337 days Mon 23/5/29 Mon 24/4/29 Mon 23/5/29 Mon 24/4/29 Mon 23/5/29 Mon 24/4/29 0 days 19 Application of XP [A] 307 days Mon 23/5/29 Sat 24/3/30 Mon 23/5/29 Sat 24/3/30 Mon 23/5/29 Sat 24/3/30 0 days 0 2FS-1 day 20 Submission of TTA and Arrange TMLG [A] 307 days Mon 23/5/29 Sat 24/3/30 Mon 23/5/29 Sat 24/3/30 Mon 23/5/29 Sat 24/3/30 0 days 0 2FS-1 day Approval of TTA 30 days Sun 24/3/31 Mon 24/4/29 Sun 24/3/31 Mon 24/4/29 Sun 24/3/31 Mon 24/4/29 0 days 0 19,20,9 22 Drain Laying Works 658 days Tue 24/4/30 Mon 26/2/16 Tue 24/4/30 Mon 26/2/16 Tue 24/4/30 Mon 26/2/16 0 days 23 SHT A3A~SHT A04 1500PC B L=49 29 D=3 65 153 days Tue 24/4/30 Sun 24/9/29 Tue 24/4/30 Sun 24/9/29 Tue 24/4/30 Sun 24/9/29 0 days . 24 81 days Tue 24/4/30 Fri 74/7/19 Tue 24/4/30 Fri 24/7/19 Tue 24/4/30 Fri 24/7/19 0 days 17.21.12.14.15. 25 TTA Implementation (trial run) 7 days Tue 24/4/30 Mon 24/5/6 Tue 24/4/30 Mon 24/5/6 Tue 24/4/30 Mon 24/5/6 0 days 0 26 Breaking Ground 14 days Sun 24/5/5 Sat 24/5/18 Sun 24/5/5 Sat 24/5/18 Sun 24/5/5 Sat 24/5/18 0 days 25FS-2 days 1x Excavator 26FS-2 days 27 Excavation and Lateral Support 18 days Fri 24/5/17 Mon 24/6/3 Fri 24/5/17 Mon 24/6/3 Fri 24/5/17 Mon 24/6/3 0 days 3x drainlayer,2x labou 28 Drain Laying 18 days Sun 24/6/2 Wed 24/6/19 Sun 24/6/2 Wed 24/6/19 Sun 24/6/2 Wed 24/6/19 0 days 27FS-2 days 1x Excavator Sat 24/6/29 Tue 24/6/18 28FS-2 days 29 Bedding and Backfilling 12 days Tue 24/6/18 Sat 24/6/29 Tue 24/6/18 Sat 24/6/29 0 days 3x carpenter, 2x labou 30 Tue 24/7/9 Tue 24/7/9 29FS-2 days Manhole Construction 12 days Fri 24/6/28 Tue 24/7/9 Fri 24/6/28 Fri 24/6/28 0 days 1x Excavator,1x dump truck 31 Reinstatement 8 days Wed 24/7/10 Wed 24/7/17 Wed 24/7/10 Wed 24/7/17 Wed 24/7/10 Wed 24/7/17 0 days 32 TTA Removal 2 davs Thu 24/7/18 Fri 24/7/19 Thu 24/7/18 Fri 24/7/19 Thu 24/7/18 Fri 24/7/19 0 days 31 Sun 24/9/29 Sat 24/7/20 33 Stage 2 72 days Sat 24/7/20 Sun 24/9/29 Sat 24/7/20 5un 24/9/29 0 days Tue 24/7/23 Sat 24/7/20 Tue 24/7/23 34 TTA Implementation 4 days Sat 24/7/20 Tue 24/7/23 Sat 24/7/20 0 days 1x Excavator with breake 34FS-2 days Fri 24/8/2 Mon 24/7/22 Fri 24/8/2 35 Breaking Ground 12 days Mon 24/7/22 Fri 24/8/2 Mon 24/7/22 0 days 35FS-2 days 1x Excavator 36 Excavation and Lateral Support 18 days Thu 24/8/1 Sun 24/8/18 Thu 24/8/1 Sun 24/8/18 Thu 24/8/1 Sun 24/8/18 0 days 3x drainlayer, 2x labo 36FS-2 days Sun 24/9/1 Sat 24/8/17 Sun 24/9/1 37 Drain Laying 16 days Sat 24/8/17 Sun 24/9/1 Sat 24/8/17 0 days 1x Excavato 37FS-2 days 38 Sat 24/8/31 Mon 24/9/9 Sat 24/8/31 Mon 24/9/9 Bedding and Backfilling 10 days Sat 24/8/31 Mon 24/9/9 0 days 3x carpenter,2x labor 38FS-2 days Sun 24/9/8 Thu 24/9/19 Sun 24/9/8 Thu 24/9/19 39 Manhole Construction 12 days Sun 24/9/8 Thu 24/9/19 0 days 1x Excavator, 1x dump truck 40 Reinstatement 8 days Fri 24/9/20 Fri 24/9/27 Fri 24/9/20 Fri 24/9/27 Fri 24/9/20 Fri 24/9/27 0 days Sun 24/9/29 Sat 24/9/28 Sun 24/9/29 40 41 TTA Removal 2 days Sat 24/9/28 Sun 24/9/29 Sat 24/9/28 0 days 42 SHT.A03~SHT.A3A.1500PC.B.L=8.59.D=3.65 Mon 24/9/30 Sun 24/11/24 Mon 24/9/30 Sun 24/11/24 Mon 24/9/30 Sun 24/11/24 56 days 0 days 43 Thu 24/10/3 Mon 24/9/30 Thu 24/10/3 41 TTA Implementation 4 days Mon 24/9/30 Thu 24/10/3 Mon 24/9/30 0 days 44 43FS-2 days Breaking Ground 10 days Wed 24/10/2 Fri 24/10/11 Wed 24/10/2 Fri 24/10/11 Wed 24/10/2 Fri 24/10/11 0 days 45 Thu 24/10/10 Wed 24/10/23 Thu 24/10/10 Wed 24/10/23 Thu 24/10/10 Wed 24/10/23 0 days 44FS-2 days 1x Excavator Excavation and Lateral Support 14 days 3x drainlaver.2x labou 45FS-2 days Sat 24/11/2 Tue 24/10/22 Sat 24/11/2 46 Drain Laying 12 days Tue 24/10/22 Sat 24/11/2 Tue 24/10/22 0 days 47 46FS-2 days 1x Excavator Fri 24/11/8 Fri 24/11/8 Fri 24/11/1 Fri 24/11/8 Fri 24/11/1 Bedding and Backfilling 8 days Fri 24/11/1 0 days 3x carpenter,2x labou 47FS-2 days 48 Manhole Construction 10 days Thu 24/11/7 Sat 24/11/16 Thu 24/11/7 Sat 24/11/16 Thu 24/11/7 Sat 24/11/16 0 days 1x Excavator,1x dump truck 49 Fri 24/11/22 Sun 24/11/17 Fn 24/11/22 Sun 24/11/17 Fri 24/11/22 0 days Reinstatement 6 days Sun 24/11/17 Sat 24/11/23 Sun 24/11/24 50 TTA Removal Sat 24/11/23 Sun 24/11/24 Sat 24/11/23 Sun 24/11/24 0 days 49 2 days Ð SHT.A02~SHT.A03.1500PC.T.L=32.82.D=3.6 Tue 25/3/11 ######### Tue 25/3/11 Mon 24/11/25 Tue 25/3/11 ######### 0 days 51 107 days ######### Sat 25/1/18 52 Mon 24/11/25 Sat 25/1/18 ######### 0 days Stage 1 55 days Sat 25/1/18 Mon 24/11/25 Thu 24/11/28 Mon 24/11/25 Thu 24/11/28 Mon 24/11/25 Thu 24/11/28 TTA Implementation 0 days 53 4 days 54 Wed 24/11/27 Fri 24/12/6 Wed 24/11/27 Fri 24/12/6 Wed 24/11/27 Fri 24/12/6 53FS-2 days Breaking Ground 0 days 10 days 1x Excavator Thu 24/12/5 Mon 24/12/16 Thu 24/12/5 Mon 24/12/16 Thu 24/12/5 Mon 24/12/16 0 days 54FS-2 days Excavation and Lateral Support 55 12 days 3x drainlayer.2x labou 56 Sun 24/12/15 Wed 24/12/25 Sun 24/12/15 Wed 24/12/25 Sun 24/12/15 Wed 24/12/25 55FS-2 days 0 days 2 Drain Laving 11 days Rolled Up Progress External Tasks Group By Summary Rolled Up Critical Task 'Task Progress Summary Revision: 8.0 Date: 30 April 2024 Project Summary Critical Task Milestone Rolled Up Task Rolled Up Milestone Page 11

 $\label{eq:def:Drain: U/S}-{D/S}, size+type, bedding, length(m), depth(m) $$U-Channel: {U/S}-{D/S}, size+type, length(m) $$Drainage Channel: {U/S}-{D/S}$$$

WING TAT CIVIL ENGINEERING CO LTD CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAME



 $\label{eq:def:Drain: U/S}^{D/S}_{size+type,bedding,length(m),depth(m)} $$ U-Channel: {U/S}^{D/S}_{size+type,length(m)} $$$

Drainage Channel: (U/S)~(D/S)

WING TAT CIVIL ENGINEERING CO LTD
CONTRACT NO, DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2

	CONTRACT NO, DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME								
ID 7	Task Name	Duration Start Finish Early Start Early Finish Late Start Late Start Late Finish Total Slack TRA Predecessors Half 1 2023 Half 2 2024 Half 1 2024 Half 2 2025 Half 1 2025 Half 2 2026 Half 1 2026 Half 2							
139	TTA removal	1 day Sat 24/7/6 Sat 2							
140	Stage 2	37 days Sun 24/7/7 Mon 24/8/12 Sun 24/7/7 Mon 24/8/12 Sun 24/7/7 Mon 24/8/12 O days							
141	TTA implementation	4 days Sun 24/7/7 Wed 24/7/10 Sun 24/7/7 Wed 24/7/10 Sun 24/7/7 Wed 24/7/10 O sun 24/7/7 Wed 24/7/10 O sun 24/7/7 Wed 24/7/10 O days 0 139							
142	Breaking pavement	6 days Tue 24/7/9 Sun 24/7/14 Tue 24/7/9 Sun 24/7/9 Sun 24/7/9 Sun 24/7/9 Sun 24/7/14 Tue 24/7/9 Sun 24/7/9 S							
143	Excavation and Lateral Support	10 days Sat 24/7/13 Mon 24/7/22 Sat 24/7/13 Mon 24/7/22 Sat 24/7/13 Mon 24/7/22 O days 0 142FS-2 days 6 days Sun 24/7/21 Fri 24/7/26 Sun 24/7/21 Fri 24/7/26 Sun 24/7/21 Fri 24/7/26 O days 0 143FS-2 days							
144	Manhole bedding construction								
145	Drain Laying Manhole construction	6 days Thu 24/7/25 Tue 24/7/30 Thu 24/7/25 Tue 24/7/30 Thu 24/7/25 Tue 24/7/30 Thu 24/7/25 Tue 24/7/30 O days 0 144FS-2 days 6 days Mon 24/7/29 Sat 24/8/3 Mon 24/7/29 Sat 24/8/3 O days 0 145FS-2 days 6 days Mon 24/7/29 Sat 24/8/3 Mon 24/7/29 Sat 24/8/3 O days 0 145FS-2 days							
147	Backfilling and Compaction	5 days Fri 24/8/2 Tue 24/8/6 Fri 24/8/2 Tue 24/8/6 Fri 24/8/2 Tue 24/8/6 0 days 0 146FS-2 days							
148	Reinstatement	5 days Wed 24/8/7 Sun 24/8/11 Wed 24/8/7 Sun 24/8/11 Wed 24/8/7 Sun 24/8/11 0 days 0 147							
149	TTA removal	1 day Mon 24/8/12 Mon 24/8/12 Mon 24/8/12 Mon 24/8/12 Mon 24/8/12 Mon 24/8/12 On a 24/8/12 Mon 24/8/12							
150	SHT.B03~SHT.B04,900PC,B,L=21,D=1.97	37 days Tue 24/8/13 Wed 24/9/18 Tue 24/8/13 Wed 24/9/18 Tue 24/8/13 Wed 24/9/18 0 days							
151	TTA implementation	4 days Tue 24/8/13 Fri 24/8/16 Tue 24/8/13 Fri 24/8/16 Tue 24/8/13 Fri 24/8/16 0 days 0 149 6 days Thu 24/8/15 Tue 24/8/20 Thu 24/8/15 Tue 24/8/20 0 days 0 15IFS-2 days							
152 153	Breaking pavement								
154	Excavation and Lateral Support Manhole bedding construction	10 days Mon 24/8/19 Wed 24/8/28 Mon 24/8/19 Wed 24/8/28 Mon 24/8/19 Wed 24/8/28 0 days 0 152FS-2 days 6 days Tue 24/8/27 Sun 24/9/1 Tue 24/8/27 Sun 24/9/1 Tue 24/8/27 Sun 24/9/1 0 days 0 153FS-2 days							
155	Drain Laying	6 days Sat 24/8/31 Thu 24/9/5 Sat 24/8/31 Thu 24/9/5 Sat 24/8/31 Thu 24/9/5 O days 0 154FS-2 days							
156	Manhole construction	6 days Wed 24/9/4 Mon 24/9/9 Wed 24/9/4 Wed 24/9/4 Mon 24/9/9 Wed 24/9/4 Wed							
157	Backfilling and Compaction	5 days Sun 24/9/8 Thu 24/9/12 Sun 24/9/8 Thu 24/9/12 Sun 24/9/8 Thu 24/9/12 Sun 24/9/8 Thu 24/9/12 O days 0 156FS-2 days							
158	Reinstatement	5 days Fri 24/9/13 Tue 24/9/17 Fri 24/9/13 Tue 24/9/17 Fri 24/9/13 Tue 24/9/17 O days 0 157							
159	TTA removal	1 day Wed 24/9/18 Wed 24/9/18 Wed 24/9/18 Wed 24/9/18 Wed 24/9/18 O days 0 158							
160 161	SHT.B01~SHT,B02,900PC,B,L=61,6,D=1,59	74 days Thu 24/9/19 Sun 24/12/1 Thu 24/9/19 Sun 24/12/1 Thu 24/9/19 Sun 24/12/1 Thu 24/9/19 Sun 24/12/1 Odays 37 days Thu 24/9/19 Fri 24/10/25 Thu 24/9/19 Fri 24/10/25 Odays							
162	Stage 1 TTA implementation	4 days Thu 24/9/19 Sun 24/9/22 Thu 24/9/19 Sun 24/9/22 Thu 24/9/19 Sun 24/9/22 O days 0 159							
163	Breaking pavement	6 days Sat 24/9/21 Thu 24/9/26 Sat 24/9/21 Thu 24/9/26 Sat 24/9/21 Thu 24/9/26 O days 0 162FS-2 days							
164	Excavation and Lateral Support	10 days Wed 24/9/25 Fri 24/10/4 Wed 24/9/25 Fri 24/10/4 Wed 24/9/25 Fri 24/10/4 Wed 24/9/25 Fri 24/10/4 O days 0 163FS-2 days							
165	Manhole bedding construction	6 days Thu 24/10/3 Tue 24/10/8 Thu 24/10/3 Tue 24/10/8 Thu 24/10/3 Tue 24/10/8 O days 0 164FS-2 days							
166	Drain Laying	6 days Mon 24/10/7 Sat 24/10/12 Mon 24/10/7 Sat 24/10/12 O days 0 165FS-2 days							
167	Manhole construction	6 days Fri 24/10/11 Wed 24/10/16 Fri 24/10/11 Wed 24/10/16 Fri 24/10/11 Wed 24/10/16 O days 0 166FS-2 days 5 days Tue 24/10/15 Sat 24/10/19 Tue 24/10/15 Sat 24/10/19 Tue 24/10/15 Sat 24/10/19 Tue 24/10/15 Sat 24/10/19 O days 0 167FS-2 days							
168	Backfilling and Compaction Reinstatement	5 days Tue 24/10/15 Sat 24/10/19 Tue 24/10/15 Sat 24/10/19 Tue 24/10/15 Sat 24/10/19 Tue 24/10/19 Tue 24/10/19 O days 0 167FS-2 days 5 days Sun 24/10/20 Thu 24/10/24 Sun 24/10/24 Sun 24/10/24 Sun 24/10/24 O days 0 168							
170	T'A removal	1 day Fri 24/10/25 Pri 24/10/25							
171	Stage 2	37 days Sat 24/10/26 Sun 24/12/1 Sat 24/10/26 Sun 24/12/1 Sat 24/10/26 Sun 24/12/1 Odays							
172	TTA implementation	4 days Sat 24/10/26 Tue 24/10/29 Sat 24/10/26 Tue 24/10/29 Sat 24/10/26 Tue 24/10/29 Sat 24/10/26 Tue 24/10/29 O days 0 170							
173	Breaking pavement	6 days Mon 24/10/28 Sat 24/11/2 Mon 24/10/28 Sat 24/11/2 Mon 24/10/28 Sat 24/11/2 Mon 24/10/28 Sat 24/11/2 O days 0 172FS-2 days							
174	Excavation and Lateral Support	10 days Fri 24/11/1 Sun 24/11/10 Su							
175 176	Manhole bedding construction Drain Laying	6 days Sat 24/11/9 Thu 24/11/14 Sat 24/11/9 Thu 24/11/14 Sat 24/11/9 Thu 24/11/14 Sat 24/11/9 Thu 24/11/14 O days 0 174FS-2 days 6 days Wed 24/11/13 Mon 24/11/18 Wed 24/11/13 Mon 24/11/18 Wed 24/11/13 Mon 24/11/18 O days 0 175FS-2 days							
177	Manhole construction	6 days Sun 24/11/17 Fri 24/11/22 Sun 24/11/17 Fri 24/11/22 Sun 24/11/17 Fri 24/11/22 Odays 0 176FS-2 days							
178	Backfilling and Compaction	5 days Thu 24/11/21 Mon 24/11/25 Thu 24/11/21 Mon 24/11/25 Thu 24/11/21 Mon 24/11/25 Thu 24/11/21 Mon 24/11/25 O days 0 177FS-2 days							
179	Reinstatement	5 days Tue 24/11/26 Sat 24/11/30 Tue 24/11/26 Sat 24/11/30 Tue 24/11/26 Sat 24/11/30 Tue 24/11/26 Sat 24/11/30 O days 0 178							
180	TTA removal	1 day Sun 24/12/1 Odays 0 179							
181	SHT,CP2~SHT,B01,900PC,B,L=10.36,D=1.59	37 days Mon 24/12/2 Tue 25/1/7 Mon 24/12/2 Tue 25/1/7 Mon 24/12/2 Tue 25/1/7 0 days							
182	TTA implementation	3 days Mon 24/12/2 Wed 24/12/4 Mon 24/12/2 Wed 24/12/4 Mon 24/12/2 Wed 24/12/4 On 24/12/3 Ved 24/12/4 On 24/12/3 Sun 24/12/3 S							
183	Breaking pavement Excavation and Lateral Support	6 days Tue 24/12/3 Sun 24/12/8 Tue 24/12/3 Sun 24/12/8 Tue 24/12/3 Sun 24/12/8 Tue 24/12/3 Sun 24/12/8 O days 0 182FS-2 days 10 days Sat 24/12/7 Mon 24/12/16 Sat 24/12/7 Mon 24/12/16 Sat 24/12/7 Mon 24/12/16 O days 0 183FS-2 days							
185	Manhole bedding construction	6 days Sun 24/12/15 Fri 24/12/20 Sun 24/12/15 Fri 24/12/20 Sun 24/12/15 Fri 24/12/20 Sun 24/12/15 Fri 24/12/20 0 days 0 184FS-2 days							
186	Drain Laying	6 days Thu 24/12/19 Tue 24/12/24 Thu 24/12/19 Tue 24/12/24 Thu 24/12/19 Tue 24/12/24 Thu 24/12/19 Tue 24/12/24 O days 0 185FS-2 days							
187	Manhole construction	7 days Mon 24/12/23 Sun 24/12/29 Mon 24/12/23 Sun 24/12/23 Sun 24/12/23 Sun 24/12/23 Sun 24/12/29 Mon 24/12/23 Sun 24/12/29 Odays 0 186FS-2 days							
188	Backfilling and Compaction	5 days Sat 24/12/28 Wed 25/1/1 Sat 24/12/28 Wed 25/1/1 Sat 24/12/28 Wed 25/1/1 0 days 0 187FS-2 days 5 days Thu 25/1/2 Mon 25/1/6 Thu 25/1/2 Mon 25/1/6 Thu 25/1/2 Mon 25/1/6 0 days 0 188							
189 190	Reinstatement TTA removal	5 days Thu 25/1/2 Mon 25/1/6 Thu 25/1/2 Mon 25/1/6 Thu 25/1/2 Mon 25/1/6 0 days 0 188 1 day Tue 25/1/7 Tue 25							
191	SHT.804~SHT.A1A,900PC,B,L=13,155D=2.06	46 days Wed 25/3/12 Sat 25/4/26 Wed 25/3/12 Sat 25/4/26 Wed 25/3/12 Sat 25/4/26 0 days							
192	TTA implementation	3 days Wed 25/3/12 Fri 25/3/14 Wed 25/3/12 Fri 25/3/14 Wed 25/3/12 Fri 25/3/14 0 days 0 69							
193	Breaking pavement	6 days Thu 25/3/13 Tue 25/3/18 Thu 25/3/18 Thu 25/3/18 Thu 25/3/18 Thu 25/3/18 Thu 25/3/18 Thu 25/3/18 O days 0 192FS-2 days							
194	Excavation and Lateral Support	12 days Mon 25/3/17 Fri 25/3/28 Mon 25/3/17 Fri 25/3/28 Mon 25/3/17 Fri 25/3/28 0 days 0 193FS-2 days							
195	Manhole bedding construction	8 days Thu 25/3/27 Thu 25/4/3 Thu 25/3/27 Thu 25/4/3 Thu 25/3/27 Thu 25/4/3 0 days 0 194FS-2 days 8 days Wed 25/4/2 Wed 25/4/9 Wed 25/4/9 Wed 25/4/9 Wed 25/4/9 0 days 0 195FS-2 days							
196	Drain Laying Manhole construction	70000 1100000 1100000 110000 110000 110000 110000 110000 110000 110000 110000 1100000 1100000 1100000 1100000 1100000 1100000 1100000 11000000							
197	Mannole construction Backfilling and Compaction	8 days Tue 25/4/8 Tue 25/4/15 Tue 25/4/15 Tue 25/4/15 Tue 25/4/8 Tue 25/4/15 O days 0 196FS-2 days 6 days Mon 25/4/14 Sat 25/4/19 Mon 25/4/14 Sat 25/4/19 Mon 25/4/14 Sat 25/4/19 0 days 0 197FS-2 days							
199	Reinstatement	6 days Sun 25/4/20 Fri 25/4/25 Sun 25/4/20 Fri 25/4/25 O days 0 198							
200	TTA removal	1 day Sat 25/4/26							
201	Connection of ex. UC to SHT.A1A	28 days Sun 25/4/27 Sat 25/5/24 Sun 25/4/27 Sat 25/5/24 Sun 25/4/27 Sat 25/5/24 O days 0 200							
202	SHT.CP1~SHT.A1A,550PC,B,L=4,16,D=2,06	46 days Sun 25/5/25 Wed 25/7/9 Sun 25/5/25 Wed 25/7/9 Sun 25/5/25 Wed 25/7/9 0 days							
203 204	TTA implementation	3 days Sun 25/5/25 Tue 25/5/27 Sun 25/5/25 Tue 25/5/27 Sun 25/5/25 Tue 25/5/27 Sun 25/5/25 Tue 25/5/27 O days 0 201 6 days Mon 25/5/26 Sat 25/5/31 Mon 25/5/26 Sat 25/5/31 Mon 25/5/26 Sat 25/5/31 O days 0 203FS-2 days La Excavator with breaker							
204	Breaking pavement Excavation and Lateral Support	6 days Mon 25/5/26 Sat 25/5/31 Mon 25/5/26 Sat 25/5/31 Mon 25/5/26 Sat 25/5/31 Mon 25/5/26 Sat 25/5/31 0 days 0 203FS-2 days 12 days Fri 25/5/30 Tue 25/6/10 Fri 25/5/30 Tue 25/6/10 Fri 25/5/30 Tue 25/6/10 Tue 25/6/10 0 days 0 204FS-2 days							
206	Manhole bedding construction	8 days Mon 25/6/9 Mon 25/6/16 Mon 25/6/9 Mon 25/6/16 O days 0 205FS-2 days							
207	Drain Laying	8 days Sun 25/6/15 Sun 25/6/22 Sun 25/6/25 Sun 25/6/22 Sun 25/6/25 Sun 25/6/25 Sun 25/6/22 O days 0 206FS-2 days							
208	Manhole construction	8 days Sat 25/6/21 Sat 25/6/28 Sat 25/6/28 Sat 25/6/21 Sat 25/6/28 Sat 25/6/21 Sat 25/6/28 O days 0 207FS-2 days							
209	Backfilling and Compaction	6 days Fri 25/6/27 Wed 25/7/2 Fri 25/6/27 Wed 25/7/2 Fri 25/6/27 Wed 25/7/2 O days O 208FS-2 days							
210	Reinstatement	6 days Thu 25/7/3 Tue							
211	TTA removal Connection of ex. 550pipe to SHT CP1	1 day Wed 25/7/9 O days 0 210 28 days Thu 25/7/10 Wed 25/8/6 Thu 25/7/9 Wed 25/8/8							
212	SHT.A1A~SHT.A01,1200PC,B,L=7.675,D=2.14	28 days Thu 25/7/10 Wed 25/8/6 Thu 25/7/10 Wed 25/8/6 Thu 25/7/10 Wed 25/8/7 Mon 25/9/22 Thu 25/8/7 Mon 25/9/22 Thu 25/8/7 Mon 25/9/22 0 days							
214	TTA implementation	4 days Thu 25/8/7 Sun 25/8/10 Thu 25/8/7 Sun 25/8/10 Thu 25/8/7 Sun 25/8/10 0 days 0 212							
215	Breaking pavement	6 days Sat 25/8/9 Thu 25/8/14 Sat 25/8/9 Thu 25/8/14 Sat 25/8/9 Thu 25/8/14 Sat 25/8/9 Thu 25/8/14 O days 0 214FS-2 days							
216	Excavation and Lateral Support	12 days Wed 25/8/13 Sun 25/8/24 Wed 25/8/13 Sun 25/8/24 Wed 25/8/13 Sun 25/8/24 O days 0 215FS-2 days							
217	Manhole bedding construction	8 days Sat 25/8/23 Sat 25/8/23 Sat 25/8/30 Sat 25/8/30 Sat 25/8/30 Sat 25/8/30 Sat 25/8/30 O days 0 216FS-2 days							
218	Drain Laying	8 days Fri 25/8/29 Fri 25/8/29 Fri 25/8/29 Fri 25/9/5 Fri 25/8/29 Fri 25/9/5 O days 0 217FS-2 days 8 days Thu 25/9/4 Thu 25/9/1 Thu 25/9/4 Thu 25/9/1 Thu 25/9/4 Thu 25/9/1 Thu							
219	Manhole construction Backfilling and Compaction	8 days Thu 25/9/4 Thu 25/9/1 Thu 25/9/1 Thu 25/9/4 Thu 25/9/1 Thu 25/9/4 Thu 25/9/1 Thu 25/9/1 Thu 25/9/1 Thu 25/9/1 O days 0 218FS-2 days 6 days Wed 25/9/10 Mon 25/9/15 Wed 25/9/10 Mon 25/9/15 Wed 25/9/10 Mon 25/9/15 O days 0 219FS-2 days							
200									
Revision.: 8.0	Date: 30 April 2024	Progress Summary Rolled Up Critical Task Rolled Up Progress External Tasks Group By Summary							
	Critical Task	Milestone Rolled Up Task Rolled Up Milestone Split Project Summary Deadline							
Drain: {U/S}~{E	D/S},size+type,bedding,length(m),depth(m)	Page 13							
LU-Channel: (U/	I/S}~{D/S},size+type,length(m)								

Drain: {U/S}~{D/S},size+type,bedding,length(m),depth(m) U-Channel: {U/S}~{D/S},size+type,length(m) Drainage Channel: {U/S}~{D/S}

WING TAT CIVIL ENGINEERING CO LTD
CONTRACT NO, DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2
PROJECT PROGRAMME Total Slack TRA Predecessors Half 1 2023, Half 2 2024, Half 1 2024, Half 2 2025, Half 1 2025, Half 2 2025, Half 1 2026, Half 1 2026, Half 2 2027, Half 2 2027, Half 1 2028, Half 2 2028, Half 1 2028, Half 2 2028, Half 1 2028, Half 2 2028, Ha Finish Early Start Early Finish Late Start Late Finish Task Name Duration Tue 25/9/16 Sun 25/9/21 0 days 0 220 6 days Tue 25/9/16 Sun 25/9/21 Tue 25/9/16 Sun 25/9/21 221 222 Mon 25/9/22 Mon 25/9/22 Mon 25/9/22 Mon 25/9/22 Mon 25/9/22 Mon 25/9/22 0 days 0 221 TTA removal 1 day 0 days 0 222 223 Tue 25/9/23 Mon 25/10/20 Tue 25/9/23 Mon 25/10/20 Tue 25/9/23 Mon 25/10/20 Connection of ex. Pipe to SHT-A01 224 SHT.A01~SHT.A02.1500PC.B.L=8.39.D=3.6 Tue 25/10/21 Mon 25/12/1 Tue 25/10/21 Mon 25/12/1 Tue 25/10/21 Mon 25/12/1 0 days 42 days Tue 25/10/21 Fri 25/10/24 Tue 25/10/21 Fri 25/10/24 Tue 25/10/24 Fri 25/10/24 225 0 223 TTA implementation 4 days 0 days 226 Breaking pavement 5 days Thu 25/10/23 Mon 25/10/27 Thu 25/10/23 Mon 25/10/27 Thu 25/10/23 Mon 25/10/27 0 days 0 225FS-2 days 227 Excavation and Lateral Support Sun 25/10/26 Thu 25/11/6 Sun 25/10/26 Thu 25/11/6 Sun 25/10/26 Thu 25/11/6 0 days 0 226FS-2 days 12 days 3x drainlayer, 2x labou 228 Wed 25/11/5 Mon 25/11/10 Wed 25/11/5 Mon 25/11/10 Wed 25/11/5 Mon 25/11/10 0 days 227FS-2 days 6 days 0 6 days 229 Bedding and Backfilling Sun 25/11/9 Fri 25/11/14 Sun 25/11/9 Fri 25/11/14 Sun 25/11/9 Fri 25/11/14 0 days 228FS-2 days 0 3x carpenter, 2x labou 230 Manhole construction 8 days Thu 25/11/13 Thu 25/11/20 Thu 25/11/13 Thu 25/11/20 Thu 25/11/13 Thu 25/11/20 0 days 229FS-2 days 231 Backfilling and Compaction 6 days Wed 25/11/19 Mon 25/11/24 Wed 25/11/19 Mon 25/11/24 Wed 25/11/19 Mon 25/11/24 0 davs 0 230FS-2 days 1x Excavator, 1x dump truc 232 Reinstatement 6 days Tue 25/11/25 Sun 25/11/30 Tue 25/11/25 Sun 25/11/30 Tue 25/11/25 Sun 25/11/30 0 days 0 231 233 TTA removal 1 day Mon 25/12/1 Mon 25/12/1 Mon 25/12/1 Mon 25/12/1 Mon 25/12/1 0 days 0 232 234 Temporary decking over ex. UC 28 days Tue 25/12/2 Mon 25/12/29 Tue 25/12/2 Mon 25/12/29 Tue 25/12/2 Mon 25/12/29 0 days 0 233 235 CCTV inspection 28 days Tue 25/12/16 Mon 26/1/12 Tue 25/12/16 Mon 26/1/12 Tue 25/12/16 Mon 26/1/12 0 days 0 234FS-14 days 236 Reinstatement 35 days Tue 26/1/13 Mon 26/2/16 Tue 26/1/13 Mon 26/2/16 Tue 26/1/13 Mon 26/2/16 0 days 0 235 Mon 26/2/16 Sun 24/12/1 Mon 26/2/16 237 U-Channel Works (West) 443 days Sun 24/12/1 Mon 26/2/16 Sun 24/12/1 0 days SHT.CP2.5~SHT.CP2.300->900CU(G).L=11.4 238 21 davs Sun 24/12/1 Sat 24/12/21 Sun 24/12/1 Sat 24/12/21 Sun 24/12/1 Sat 24/12/21 0 days 190FS-38 days 239 Excavation and Lateral Support 6 days Sun 24/12/1 Fri 24/12/6 Sun 24/12/1 Fri 24/12/6 Sun 24/12/1 Fn 24/12/6 0 days 239FS-2 days Thu 24/12/5 Sat 24/12/14 240 Formwork Frection 10 days Thu 24/12/5 Sat 24/12/14 Thu 24/12/5 Sat 24/12/14 0 days 2x carpente Fri 24/12/13 240FS-2 days 241 Fri 24/12/13 Sat 24/12/21 Fri 24/12/13 Sat 24/12/21 Sat 24/12/21 Catchoit construcion 9 days 0 days | Concrete ga Fri 24/12/20 Fri 24/12/20 0 days 241FS-2 days 242 Concreting 1 day Fri 24/12/20 Fri 24/12/20 Fri 24/12/20 Fri 24/12/20 Fri 25/2/28 Fri 25/2/28 243 SHT.CP3~SHT.CP2.5.300->900CU(G).L=66.5 70 days Sat 24/12/21 Fri 25/2/28 Sat 24/12/21 Sat 24/12/21 0 days 244 Stage 1 24 days Sat 24/12/21 Mon 25/1/13 Sat 24/12/21 Mon 25/1/13 Sat 24/12/21 Mon 25/1/13 0 days Sat 24/12/28 Sat 24/12/21 Sat 24/12/28 245 Sat 24/12/28 Sat 24/12/21 Excavation and Lateral Support 8 days Sat 24/12/21 0 days 245FS-2 days Fri 24/12/27 Sun 25/1/5 246 Sun 25/1/5 Fri 24/12/27 Sun 25/1/5 0 days Formwork Frection 10 days Fri 24/12/27 246FS-2 days 2x carpenter 247 Mon 25/1/13 Sat 25/1/4 Mon 25/1/13 Catchpit construcion 10 days Sat 25/1/4 Mon 25/1/13 Sat 25/1/4 0 days 248 Sun 25/1/12 Sun 25/1/12 Sun 25/1/12 Sun 25/1/12 Sun 25/1/12 0 days 247FS-2 days Concreting 1 day Sun 25/1/12 Wed 25/2/5 Wed 25/2/5 Mon 25/1/13 Mon 25/1/13 Wed 25/2/5 249 Mon 25/1/13 0 days Stage 2 24 days 1x Excavator Mon 25/1/13 Mon 25/1/20 250 Mon 25/1/20 0 days Excavation and Lateral Support Mon 25/1/20 Mon 25/1/13 8 days Mon 25/1/13 2x carpenter 251 Tue 25/1/28 Sun 25/1/19 Tue 25/1/28 250FS-2 days Sun 25/1/19 Tue 25/1/28 Sun 25/1/19 0 days Formwork Erection 10 days 2x carpente Wed 25/2/5 Wed 25/2/5 Mon 25/1/27 Wed 25/2/5 251FS-2 days 252 10 days Mon 25/1/27 Mon 25/1/27 0 days Catchpit construcion L.Concrete gang Tue 25/2/4 Tue 25/2/4 Tue 25/2/4 252FS-2 days 253 Tue 25/2/4 Tue 25/2/4 Tue 25/2/4 0 days Concreting 1 day 254 Fri 25/2/28 Wed 25/2/5 Fri 25/2/28 Wed 25/2/5 Fri 25/2/28 24 days Wed 25/2/5 0 days Stage 3 1x Excavator 255 Wed 25/2/12 Wed 25/2/5 Wed 25/2/12 Wed 25/2/5 Wed 25/2/12 0 days Excavation and Lateral Support Wed 25/2/5 B days 2x carpenter 256 Thu 25/2/20 Tue 25/2/11 Thu 25/2/20 Tue 25/2/11 Thu 25/2/20 255FS-2 day Formwork Erection 10 days Tue 25/2/11 256FS-2 days 257 Wed 25/2/19 Fri 25/2/28 Wed 25/2/19 Fri 25/2/28 Wed 25/2/19 Fri 25/2/28 0 days 2x carpenter Catchpit construcion 10 days Concrete gang 258 Thu 25/2/27 Thu 25/2/27 Thu 25/2/27 Thu 25/2/27 Thu 25/2/27 Thu 25/2/27 257FS-2 days 1 day Concreting 259 SHT.CP3.3~SHT.CP3,300->450CU(G),L=54.5 76 days Fri 25/2/28 Wed 25/5/14 Fri 25/2/28 Wed 25/5/14 Fri 25/2/28 Wed 25/5/14 260 24 days Fri 25/2/28 Sun 25/3/23 Fri 25/2/28 Sun 25/3/23 Fri 25/2/28 Sun 25/3/23 Stage 1 Fri 25/2/28 258 1x Excavator 261 Excavation and Lateral Support 8 days Fri 25/2/28 Fri 25/3/7 Fri 25/2/28 Fri 25/3/7 Fri 25/3/7 Thu 25/3/6 Sat 25/3/15 261FS-2 days 2x carpenter 262 Formwork Erection Thu 25/3/6 Sat 25/3/15 Thu 25/3/6 Sat 25/3/15 10 days Sun 25/3/23 Fn 25/3/14 Sun 25/3/23 262FS-2 days 2x carpenter 263 Catchpit construcion 10 days Fri 25/3/14 Sun 25/3/23 Fri 25/3/14 0 days 263FS-2 days Sat 25/3/22 Sat 25/3/22 Sat 25/3/22 Concrete gang 264 Sat 25/3/22 Sat 25/3/22 Sat 25/3/22 Concreting 1 day 265 Fri 25/4/18 Sun 25/3/23 Fri 25/4/18 Stage 2 27 days Sun 25/3/23 Fri 25/4/18 Sun 25/3/23 0 days 266 Excavation and Lateral Support 8 days Sun 25/3/23 Sun 25/3/30 Sun 25/3/23 Sun 25/3/30 Sun 25/3/23 Sun 25/3/30 0 days 1x Excavator 266FS-2 days 267 Wed 25/4/9 Sat 25/3/29 Wed 25/4/9 Sat 25/3/29 Wed 25/4/9 2x carpenter 12 days Sat 25/3/29 0 days Fri 25/4/18 Tue 25/4/8 Fri 25/4/1R 267FS-2 days 2x carpenter 268 Catchoit construcion 11 days Tue 25/4/8 Fri 25/4/18 Tue 25/4/8 0 days Concrete gang 269 Thu 25/4/17 Thu 25/4/17 Thu 25/4/17 Thu 25/4/17 Thu 25/4/17 Thu 25/4/17 268FS-2 days 1 day 270 27 days Fri 25/4/18 Wed 25/5/14 Fri 25/4/18 Wed 25/5/14 Fri 25/4/18 Wed 25/5/14 Stage 3 271 Fri 25/4/18 Fri 25/4/25 Fri 25/4/18 Fri 25/4/25 Fri 25/4/18 Fri 25/4/25 0 days 1x Excavator Excavation and Lateral Support 8 days 2x carpente 272 Thu 25/4/24 Mon 25/5/5 Thu 25/4/24 Mon 25/5/5 Thu 25/4/24 Mon 25/5/5 271FS-2 days Formwork Erection 12 days 2x carpenter 273 Sun 25/5/4 Wed 25/5/14 Sun 25/5/4 Wed 25/5/14 Sun 25/5/4 Wed 25/5/14 0 days 272FS-2 days Catchpit construcion 11 days Concrete gang 274 1 day Tue 25/5/13 Tue 25/5/13 Tue 25/5/13 Tue 25/5/13 Tue 25/5/13 Tue 25/5/13 0 days 0 273FS-2 days 275 SHT.CP3.5~SHT.CP3.3,300->450CU(G),L=43.3 57 days Wed 25/5/14 Wed 25/7/9 Wed 25/5/14 Wed 25/7/9 Wed 25/5/14 Wed 25/7/9 0 days 276 Wed 25/5/14 Wed 25/6/11 Wed 25/5/14 Wed 25/6/11 Wed 25/5/14 Wed 25/6/11 29 days 0 davs 277 Excavation and Lateral Support 10 days Wed 25/5/14 Fr. 25/5/23 Wed 25/5/14 Fri 25/5/23 Wed 25/5/14 Fri 25/5/23 0 days 274 2x carpenter 278 Formwork Erection 12 days Thu 25/5/22 Mon 25/6/2 Thu 25/5/22 Mon 25/6/2 Thu 25/5/22 Mon 25/6/2 0 days 0 277FS-2 days 2x carpenter 279 11 days Sun 25/6/1 Wed 25/6/11 Sun 25/6/1 Wed 25/6/11 Sun 25/6/1 Wed 25/6/11 0 days 278FS-2 days Catchpit construcion Concrete gang 280 Tue 25/6/10 Tue 25/6/10 Tue 25/6/10 Tue 25/6/10 Tue 25/6/10 Tue 25/6/10 0 days 279FS-2 days Concreting 1 day 281 29 days Wed 25/6/11 Wed 25/7/9 Wed 25/6/11 Wed 25/7/9 Wed 25/6/11 Wed 25/7/9 0 days 10 days 1x Excavato 282 Excavation and Lateral Support Wed 25/6/11 Fri 25/6/20 Wed 25/6/11 Fri 25/6/20 Wed 25/6/11 Fri 25/6/20 0 days 280 2x carpente 283 12 days Thu 25/6/19 Mon 25/6/30 Thu 25/6/19 Mon 25/6/30 Thu 25/6/19 Mon 25/6/30 0 days 282FS-2 days Formwork Erection 2x carpenter 284 Catchpit construcion 11 days Sun 25/6/29 Wed 25/7/9 Sun 25/6/29 Wed 25/7/9 Sun 25/6/29 Wed 25/7/9 0 days 283FS-2 days Concrete gang 285 1 day Tue 25/7/8 Tue 25/7/8 Tue 25/7/8 Tue 25/7/8 Tue 25/7/8 Tue 25/7/8 0 days 284FS-2 days 286 End~SHT.CP3.5.300->450CU(G).L=107.7 113 days Wed 25/7/9 Wed 25/10/29 Wed 25/7/9 Wed 25/10/29 Wed 25/7/9 Wed 25/10/29 0 days

287 29 days Wed 25/7/9 Wed 25/8/6 Wed 25/7/9 Wed 25/8/6 Wed 25/7/9 Wed 25/8/6 0 days 1x Excavator 288 Excavation and Lateral Suppor 10 days Wed 25/7/9 Fri 25/7/18 Wed 25/7/9 Fri 25/7/18 Wed 25/7/9 Fri 25/7/18 0 days 0 285 2x carpenter 289 Formwork Erection 12 days Thu 25/7/17 Mon 25/7/28 Thu 25/7/17 Mon 25/7/28 Thu 25/7/17 Mon 25/7/28 0 days 288FS-2 days 0 2x carpente 290 Catchpit construcion 11 days Sun 25/7/27 Wed 25/8/6 Sun 25/7/27 Wed 25/8/6 Sun 25/7/27 Wed 25/8/6 0 days 289FS-2 days Concrete gang 291 1 day Tue 25/8/5 Tue 25/8/5 Tue 25/8/5 Tue 25/8/5 Tue 25/8/5 Tue 25/8/5 0 days 290FS-2 days Concreting 292 29 days Wed 25/8/6 Wed 25/9/3 Wed 25/8/6 Wed 25/9/3 Wed 25/8/6 Wed 25/9/3 0 days 293 Excavation and Lateral Support 10 days Wed 25/8/6 Fri 25/8/15 Wed 25/8/6 Fri 25/8/15 Wed 25/8/6 Fn 25/8/15 0 days 2x carpent 293FS-2 days 294 Formwork Erection 12 days Thu 25/8/14 Mon 25/8/25 Thu 25/8/14 Mon 25/8/25 Thu 25/8/14 Mon 25/8/25 0 days 295 Catchpit construcion 11 days Sun 25/8/24 Wed 25/9/3 Sun 25/8/24 Wed 25/9/3 Sun 25/8/24 Wed 25/9/3 0 days 294FS-2 days Concreting 296 1 day Tue 25/9/2 Tue 25/9/2 Tue 25/9/2 Tue 25/9/2 Tue 25/9/2 Tue 25/9/2 0 days 295FS-2 days 297 29 days Wed 25/9/3 Wed 25/10/1 Wed 25/9/3 Wed 25/10/1 Wed 25/9/3 Wed 25/10/1 0 days Stage 3 298 Excavation and Lateral Support 10 days Wed 25/9/3 Fri 25/9/12 Wed 25/9/3 Fri 25/9/12 Wed 25/9/3 Fri 25/9/12 0 days 299 Formwork Erection 12 days Thu 25/9/11 Mon 25/9/22 Thu 25/9/11 Mon 25/9/22 Thu 25/9/11 Mon 25/9/22 0 days 298FS-2 davs 299FS-2 days 300 Catchpit construcion 11 days Sun 25/9/21 Wed 25/10/1 Sun 25/9/21 Wed 25/10/1 Sun 25/9/21 Wed 25/10/1 0 days 301 1 day Tue 25/9/30 Tue 25/9/30 Tue 25/9/30 Tue 25/9/30 Tue 25/9/30 Tue 25/9/30 0 days 300FS-2 days Concreting 302 Stage 4 29 days Wed 25/10/1 Wed 25/10/29 Wed 25/10/1 Wed 25/10/29 Wed 25/10/29 0 days Rolled Up Critical Task Rolled Up Progress Group By Summary 'Task Progress Summary vision.: 8.0 Date: 30 April 2024 Project Summary The Deadline Rolled Up Milestone Split (D) Critical Task Milestone Rolled Up Task Drain: (U/S)~(D/S),size+type,bedding,length(m),depth(m) U-Channel: (U/S)~(D/S),size+type,length(m) Drainage Channel: (U/S)~(D/S) Page 14

WING TAT CIVIL ENGINEERING CO LTD
CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2
DDO IECT DROGRAMME

		CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2 PROJECT PROGRAMME	
ID	Task Name	Duration Start Finish Faity-Start Faity-Start Faity-Start Late-Start Late-Sta	202
303	Excavation and Lateral Support	10 days Wed 25/10/1 Fri 25/10/10 Wed 25/10/1 We	DIJEM
304	Formwork Erection	12 days Thu 25/10/9 Mon 25/10/20 Thu 25/10/9 Mon 25/10/20 Thu 25/10/9 Mon 25/10/20 Thu 25/10/9 Mon 25/10/20 O days 0 303FS-2 days	
305	Catchpit construcion	11 days Sun 25/10/19 Wed 25/10/29 Sun 25/10/29 Sun 25/10/19 Wed 25/10/29 Sun 25/10/	
306	Concreting	1 day Tue 25/10/28	
307	End~ex. UC,450CU(G),L=70	111 days Wed 25/10/29 Mon 26/2/16 Wed 25/10/29 Mon 26/2/16 Wed 25/10/29 Mon 26/2/16 Wed 25/10/29 Mon 26/2/16 O days	
308	Stage 1	29 days Wed 25/10/29 Wed 25/11/26 Wed 25/10/29 Wed 25/11/26 Wed 25/10/29 Wed 25/11/26 O days 10 days Wed 25/10/29 Fig 25/11/7 Wed 25/10/29 Fig 25/11/7 Wed 25/10/29 Fig 25/11/7 Wed 25/10/29 Fig 25/11/7 O days 0 306 117 120	
309 310	Excavation and Lateral Support Formwork Erection	10 days Wed 25/10/29 Fri 25/11/7 Wed 25/10/29 Fri 25/11/7 Wed 25/10/29 Fri 25/11/7 Wed 25/10/29 Fri 25/11/7 0 days 0 306,117,120 12 days Thu 25/11/6 Mon 25/11/17 Thu 25/11/6 Mon 25/11/17 Thu 25/11/6 Mon 25/11/17 Thu 25/11/6 Mon 25/11/17 O days 0 309FS-2 days	
311	Catchpit construcion	11 days Sun 25/11/26 Sun 25/11/	
312	Concreting	1 day Tue 25/11/25	
313	Stage 2	29 days Wed 25/11/26 Wed 25/12/24 Wed 25/12/24 Wed 25/11/26 Wed 25/11/26 Wed 25/12/24 Wed 25/12/24 Wed 25/11/26 Wed 25/12/24 Und 25/11/26 Wed 25/12/24 Wed 25/11/26 Wed 25/11/26 Wed 25/12/24 Wed 25/11/26 Wed 25/12/24 Wed 25/11/26 Wed 25/11/	
314	Excavation and Lateral Support	10 days Wed 25/11/26 Fri 25/12/5 Wed 25/11/26 Fri 25/12/5 Wed 25/11/26 Fri 25/12/5 Wed 25/11/26 Fri 25/12/5 O days 0 312	
315	Formwork Erection	12 days Thu 25/12/4 Mon 25/12/15 Thu 25/12/4 Mon 25/12/15 Thu 25/12/4 Mon 25/12/15 O days 0 314FS-2 days	
316 317	Catchpit construcion	11 days Sun 25/12/14 Wed 25/12/24 Sun 25/12/14 Wed 25/12/24 Sun 25/12/14 Wed 25/12/24 Sun 25/12/24 Sun 25/12/24 Sun 25/12/23 Tue 25/12/24 Tue 25/12/	
317	Concreting Stage 3	1 day Tue 25/12/23 Used 25/12/24 Wed 26/1/21 Wed 25/12/24 Wed 26/1/21 Wed 25/12/24 Wed 26/1/21 Wed 25/12/24 Wed 26/1/21 Wed 25/12/24 Wed 26/1/21 Used 25/12/24	
319	Excavation and Lateral Support	10 days Wed 25/12/24 Fri 26/1/2 Wed 25/12/24 Fri 26/1/	
320	Formwork Erection	12 days Thu 26/1/1 Mon 26/1/12 Thu 26/1/1 Mon 26/1/1 Mon 26/1/12 Thu 26/1/1 Mon 26/1/12 Thu 26/1/1 Mon 26/1/12 Thu 26/1/1 Mon 26/1/12 Thu 26/1/1 Mon 26/1/1 Mon 26/1/1 Mon 26/1/12 Thu 26/1/1 Mon 26/	
321	Catchpit construcion	11 days Sun 26/1/11 Wed 26/1/21 Sun 26/1/2	
322	Concreting	1 day Tue 26/1/20	
323	Stage 4	27 days Wed 26/1/21 Mon 26/2/16 Wed 26/1/21 Mon 26/2/16 Wed 26/1/21 Mon 26/2/16 O days 10 days Wed 26/1/21 Fri 26/1/30 Wed 26/1/21 Fri 26/1/30 Wed 26/1/21 Fri 26/1/30 O days 1. Excavator	
324 325	Excavation and Lateral Support Formwork Erection	10 days Wed 26/1/21 Fri 26/1/30 Wed 26/1/21 Fri 26/1/30 Wed 26/1/21 Fri 26/1/30 O days 0 322 11 days Thu 26/1/29 Sun 26/2/8 Thu 26/1/29 Sun 26/2/8 Thu 26/1/29 Sun 26/2/8 O days 0 324FS-2 days	
325	Catchpit construcion	10 days Sat 26/2/7 Mon 26/2/16 Sat 26/2/7 Mon 26/2/16 Sat 26/2/7 Mon 26/2/16 O days 0 325FS-2 days	
327	Concreting	1 day Mon 26/2/16	
328	U-Channel Works (East)	569 days Sun 24/7/28 Mon 26/2/16 Sun 24/7/28 Mon 26/2/16 Sun 24/7/28 Mon 26/2/16 O days	
329	SHT.CP11~SHT.CP10E,750CU(HD-G),L=19.8	29 days Sun 24/7/28 Sun 24/8/25 Sun 24/7/28 Sun 24/7/28 Sun 24/7/28 Sun 24/7/28 Sun 24/8/25 O days	
330	Excavation and Lateral Support	10 days Sun 24/7/28 Tue 24/8/6 Sun 24/7/28 Tue 24/8/6 Sun 24/7/28 Tue 24/8/6 O days 0 239SS-126 day	
331	Formwork Erection	12 days Mon 24/8/5 Fri 24/8/16 Mon 24/8/5 Fri 24/8/16 Mon 24/8/5 Fri 24/8/16 Mon 24/8/5 Fri 24/8/16 0 days 0 330FS-2 days 11 days Thu 24/8/15 Sun 24/8/25 Thu 24/	
332 333	Catchpit construcion Concreting	11 days Thu 24/8/15 Sun 24/8/25 Thu 24/8/15 Sun 24/8/25 Thu 24/8/15 Sun 24/8/25 Thu 24/8/15 Sun 24/8/25 O days 0 331FS-2 days 1 day Sat 24/8/24 Sat 2	
334	Concreting SHT.CP10E~SHT.CP10D,750CU(HD-G),L=23.7	36 days Sun 24/8/25 Sun 24/9/29 Sun 24/8/25 Sun 24/9/29 Sun 24/8/25 Sun 24/9/29 O days	
335	Excavation and Lateral Support	13 days Sun 24/8/25 Fri 24/9/6 Sun 24/8/25 Fr	
336	Formwork Erection	14 days Thu 24/9/5 Wed 24/9/18 Wed 24/9/18 Wed 24/9/18 Wed 24/9/18 Wed 24/9/18 Wed 24/9/18	
337	Catchpit construcion	13 days Tue 24/9/17 Sun 24/9/29 Tue 24/9/2	
338	Concreting	1 day Sat 24/9/28 Sat 24/9/28 Sat 24/9/28 Sat 24/9/28 Sat 24/9/28 Sat 24/9/28 O days 0 337FS-2 days	
339 340	SHT.CP10D~SHT.CP10C,750CU(HD-G),L=11.9	24 days Sun 24/9/29 Tue 24/10/22 Sun 24/9/29 Tue 24/10/22 Sun 24/9/29 Tue 24/10/22 Sun 24/10/6 Sun 24/9/29 Tue 24/10/6 Sun 24/10/6 Sun 24/9/29 Sun 24/	
341	Excavation and Lateral Support Formwork Erection	8 days Sun 24/9/29 Sun 24/10/6 Sun 24/9/29 Sun 24/10/6 Sun 24/9/29 Sun 24/10/6 Sun 24/9/29 Sun 24/10/6 0 days 0 338 10 days Sat 24/10/5 Mon 24/10/14 Sat 24/10/5 Mon 24/10/14 Sat 24/10/5 Mon 24/10/14 Sat 24/10/5 Mon 24/10/14 O days 0 340FS-2 days	
342	Catchpit construcion	10 days Sun 24/10/13 Tue 24/10/22 Sun 24/10/13 Tue 24/10/22 Sun 24/10/13 Tue 24/10/22 O days 0 341F5-2 days	
343	Concreting	1 day Mon 24/10/21	
344	SHT.CP10C~SHT.CP10B,750CU(HD-G),L=6.5	17 days Tue 24/10/22 Thu 24/11/7 Tue 24/10/22 Thu 24/11/7 Tue 24/10/22 Thu 24/11/7 O days	
345	Excavation and Lateral Support	6 days Tue 24/10/22 Sun 24/10/27 Tue 24/10/22 Sun 24/10/27 Tue 24/10/22 Sun 24/10/27 O days 0 343	
346	Formwork Erection	8 days Sat 24/10/26 Sat 24/11/2 Sat 24/10/26 Sat 24/11/2 Sat 24/10/26 Sat 24/11/2 0 days 0 345FS-2 days 7 days Fri 24/11/1 Thu 24/11/7 Fri 24/11/1 Thu 24/11/1 Thu 24/11/7 Fri 24/11/1 Thu	
347 348	Catchpit construcion Concreting	7 days Fri 24/11/1 Thu 24/11/7 Fri 24/11/1 Thu 24/11/7 Fri 24/11/1 Thu 24/11/7 O days 0 346FS-2 days 1 day Wed 24/11/6 Wed 24	
349	SHT.CP108~SHT.CP10A,750CU(HD-G),L=6.4	17 days Thu 24/11/7 Sat 24/11/	
350	Excavation and Lateral Support	6 days Thu 24/11/7 Tue 24/11/12 Thu 24/11/7 Tue 24/11/12 Thu 24/11/1 Tue 24/11/12 O days 0 348	
351	Formwork Erection	8 days Mon 24/11/11 Mon 24/11/18 Mon 24/11/11 Mon 24/11/18 Mon 24/11/11 Mon 24/11/18 Mon 24/11/11 Mon 24/11/18 Mon 24/11/18 Mon 24/11/11 Mon 24/11/18 Mon 24/11/11 Mon 24/11/18 Mon 24/11/11 Mon 24/11/11 Mon 24/11/18 Mon 24/11/11 Mon 24/11/18 Mon 24/11/11 Mon 24/11/11 Mon 24/11/18 Mon 24/11/11 Mon 24/11/1	
352	Catchpit construcion	7 days Sun 24/11/17 Sat 24/11/23 Sun 24/11/17 Sat 24/11/23 Sun 24/11/17 Sat 24/11/23 Sun 24/11/17 Sat 24/11/23 O days 0 351FS-2 days	
353	Concreting	1 day Fri 24/11/22	
354 355	SHT.CP10A~SHT.CP10,750CU(HD-G),L=26.7 Excavation and Lateral Support	39 days Sat 24/11/23 Tue 24/12/31 Sat 24/11/23 Tue 24/12/31 Sat 24/11/23 Tue 24/12/31 Sat 24/11/23 Tue 24/12/31 O days 14 days Sat 24/11/23 Fri 24/12/6 Sat 24/11/23 Fri 2	
356	Formwork Erection	15 days Thu 24/12/5 Thu 24/12/5 Thu 24/12/5 Thu 24/12/5 Thu 24/12/19 O days 0 355FS-2 days	
357	Catchpit construcion	14 days Wed 24/12/18 Tue 24/12/31 Wed 24/12/18 Tue 24/12/31 Wed 24/12/18 Tue 24/12/31 Wed 24/12/31 Wed 24/12/31 O days 0 356FS-2 days	
358	Concreting	1 day Mon 24/12/30	
359	SHT.CP10~SHT.CP9,750CU(HD-G),L=4.3	17 days Tue 24/12/31 Thu 25/1/16 Tue 24/12/31 Thu 25/1/16 Tue 24/12/31 Thu 25/1/16 O days	
360	Excavation and Lateral Support	6 days Tue 24/12/31 Sun 25/1/5 Tue 24/12/31 Sun 25/1/5 Tue 24/12/31 Sun 25/1/5 Tue 24/12/31 Sun 25/1/5 O days 0 358 8 days Sat 25/1/4 Sat 25/1/11 Sat 25/1/4 Sat 25/1/1 Sat 25/1/4 Sat 25/1/1 O days 0 360FS-2 days	
361 362	Formwork Erection Catchpit construcion	8 days Sat 25/1/1 Sat	
363	Concreting	1 day Wed 25/1/15	
364	SHT.CP9~SHT.CP8,600CU(HD-G),L=33.7	45 days Thu 25/1/16 Sat 25/3/1 Thu 25/1/16 Sat 25/3/1 O days	
365	Stage 1	24 days Thu 25/1/16 Sat 25/2/8 Thu 25/1/16 Sat 25/2/8 Thu 25/1/16 Sat 25/2/8 O days	
366	Excavation and Lateral Support	8 days Thu 25/1/16 Thu 25/1/23 Thu 25/1/16 Thu 25/1/23 Thu 25/1/16 Thu 25/1/23 O days 0 363	
367	Formwork Erection	10 days Wed 25/1/22 Fri 25/1/31 Wed 25/1/22 Fri 25/1/31 Wed 25/1/22 Fri 25/1/31 Wed 25/1/22 Fri 25/1/30 Sat 25/2/8 Thu 25/1/30 Sat 25/2/8	
368 369	Catchpit construcion		
370	Concreting Stage 2	1 day Fri 25/2/7 O days 0 368FS-2 days 22 days Sat 25/3/1 Sat 25/3/1 Sat 25/3/1 Sat 25/3/1 Sat 25/3/1 O days	
371	Excavation and Lateral Support	8 days Sat 25/2/8 Sat 25/2/15 Sat 25/2/15 Sat 25/2/15 Sat 25/2/15 Sat 25/2/15 O days 0 369	
372	Formwork Erection	10 days Fri 25/2/14 Sun 25/2/23 O days O 371Fs-2 days	
373	Catchpit construcion	8 days Sat 25/2/22 Sat 25/3/1 Sat 25/2/22 Sat 25/3/1 Sat 25/2/22 Sat 25/3/1 O days 0 372FS-2 days	
374	Concreting	1 day Fri 25/2/28	
375	Connection of ex. 300CU to SHT CP8	28 days Thu 25/2/27 Wed 25/3/26 Thu 25/2/27 Wed 25/3/26 Tue 26/1/20 Mon 26/2/16 327 days 0 374FS-2 days	
376 377	SHT.CP8~SHT.CP7,600CU(HD-G),L=8.5 Excavation and Lateral Support	17 days Sat 25/3/1 Mon 25/3/17 Sat 25/3/1 Mon 25/3/17 Sat 25/3/1 Mon 25/3/17 Sat 25/3/1 Mon 25/3/17 O days 6 days Sat 25/3/1 Thu 25/3/6 Sat 25/3/1 Thu 25/	
378	Formwork Erection	8 days Wed 25/3/5 Wed 25/3/12 Wed 25/3/5 Wed 25/3/12 Wed 25/3/5 Wed 25/3/12 O days 0 3/7/FS-2 days	
379	Catchpit construcion	7 days Tue 25/3/11 Mon 25/3/17 Tue 25/3/11 Mon 25/3/17 Tue 25/3/11 Mon 25/3/17 O days 0 378FS-2 days	
380	Concreting	1 day Sun 25/3/16	
381	Reconstruction of U/S end wall	21 days Sat 25/3/15 Fri 25/4/4 Sat 25/3/15 Fri 25/4/4 Tue 26/1/27 Mon 26/2/16 318 days 0 380FS-2 days	
382	SHT.CP7~SHT.CP6,600CU(HD-G),L=130.8	141 days Mon 25/3/17 Mon 25/8/4 Mon 25/3/17 Mon 25/8/4 Mon 25/3/17 Mon 25/8/4 0 days	
383 384	Stage 1 Excavation and Lateral Support	29 days Mon 25/3/17 Mon 25/4/14 Mon 25/4/14 Mon 25/4/14 Mon 25/4/14 Mon 25/4/14 0 days 10 days Mon 25/3/17 Wed 25/3/26 Mon 25/3/17 Wed 25/3/26 Mon 25/3/17 Wed 25/3/26 0 days 0 380	
364			
Revision: 8 0	Date: 30 April 2024	Progress Summary Rolled Up Critical Task Rolled Up Progress External Tasks Group By Summary	
. 101/3/01/1. 0 0	Critical Task	Milestone Rolled Up Task Rolled Up Milestone Split Project Summary Deadline	
Drain: (U/S)~({D/S},size+type,bedding,length(m),depth(m)	Page 15	
	un un un un de la		

Drain: {U/S}~{D/S},size+type,bedding,length(m),depth(m) U-Channel: {U/S}~{D/S},size+type,length(m) Drainage Channel: {U/S}~{D/S}

WING TAT CIVIL ENGINEERING CO LTD
CONTRACT NO. DC/2022/02 - DRAINAGE IMPROVEMENT WORKS AT YUEN LONG - STAGE 2
PROJECT PROGRAME

	PROJECT PROGRAMME											
ID T	Task Name	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack T	RA F	Predecessors	Half 1 2023, Half 2 2024, Half 1 2024, Half 2 2025, Half 1 2025, Half 2 2025, Half 2 2026, Half 1 2026, Half 2 2027,
305	Francis Francis	12 days	Tue 25/3/25	E-+ 25/4/5	T 25/3/25	Cas 7E/A/E	T 25/2/25	5 as 75 (A /E	Odnie	0 1	10/FC 2 days	A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M
385 386	Formwork Erection	12 days	Tue 25/3/25	Sat 25/4/5	Tue 25/3/25	Sat 25/4/5	Tue 25/3/25	Sat 25/4/5	1.		384FS-2 days	2x carpenter
387	Catchpit construcion	11 days	Fri 25/4/4	Mon 25/4/14	Fri 25/4/4	Mon 25/4/14	Fri 25/4/4	Mon 25/4/14	,		385FS-2 days	Concrete gang
388	Concreting	1 day		Sun 25/4/13	Sun 25/4/13	Sun 25/4/13	Sun 25/4/13		,	0 3	386FS-2 days	
	Stage 2	29 days				Mon 25/5/12		Mon 25/5/12	0 days		307	V Surguatur
389	Excavation and Lateral Support	10 days		Wed 25/4/23	Mon 25/4/14	Wed 25/4/23	Mon 25/4/14		-		387	1x Excavator 2x carpenter
390	Formwork Erection	12 days	Tue 25/4/22	Sat 25/5/3	Tue 25/4/22	Sat 25/5/3	Tue 25/4/22	Sat 25/5/3	,		389FS-2 days	2x carpenter
391	Catchpit construcion	11 days	Fri 25/5/2	Mon 25/5/12	Fri 25/5/2	Mon 25/5/12	Fri 25/5/2	Mon 25/5/12	,		390FS-2 days	Concrete gang
392	Concreting	1 day		Sun 25/5/11		0	391FS-2 days	Concrete gang				
393	Stage 3	29 days	Mon 25/5/12			Mon 25/6/9	Mon 25/5/12		0 days	į .	202	No.
394	Excavation and Lateral Support	10 days		Wed 25/5/21	Mon 25/5/12	Wed 25/5/21	Mon 25/5/12				392	LIx Excavator
395	Formwork Erection	12 days	Tue 25/5/20	Sat 25/5/31	Tue 25/5/20	Sat 25/5/31	Tue 25/5/20	Sat 25/5/31	,		394FS-2 days	.2x carpenter
396	Catchpit construcion	11 days	Fri 25/5/30	Mon 25/6/9	Fri 25/5/30	Mon 25/6/9	Fn 25/5/30	Mon 25/6/9	/ -		395FS-2 days	2x carpenter
397	Concreting	1 day	Sun 25/6/8	,	0	396FS-2 days	Concrete gang					
398	Stage 4	29 days	Mon 25/6/9	Mon 25/7/7	Mon 25/6/9	Mon 25/7/7	Mon 25/6/9	Mon 25/7/7	0 days	·		
399	Excavation and Lateral Support	10 days		Wed 25/6/18	Mon 25/6/9	Wed 25/6/18	Man 25/6/9	Wed 25/6/18	,		397	1x Excavator
400	Formwork Erection	12 days	Tue 25/6/17	Sat 25/6/28	Tue 25/6/17	Sat 25/6/28	Tue 25/6/17	Sat 25/6/28			399FS-2 days	2x carpenter
401	Catchpit construcion	11 days	Fri 25/6/27	Mon 25/7/7	Fri 25/6/27	Mon 25/7/7	Fri 25/6/27	Mon 25/7/7			400FS-2 days	2x carpenter
402	Concreting	1 day	Sun 25/7/6	-	0 4	401FS-2 days	Concrete gang					
403	Stage 5	29 days	Mon 25/7/7	Mon 25/8/4	Mon 25/7/7	Mon 25/8/4	Mon 25/7/7	Mon 25/8/4	0 days	123		
404	Excavation and Lateral Support	10 days		Wed 25/7/16	Mon 25/7/7	Wed 25/7/16	Mon 25/7/7	Wed 25/7/16	/-		402	LX Excavator
405	Formwork Erection	12 days	Tue 25/7/15	Sat 25/7/26	Tue 25/7/15	Sat 25/7/26	Tue 25/7/15	Sat 25/7/26	,		404FS-2 days	2x carpenter
406	Catchpit construcion	11 days	Fri 25/7/25	Mon 25/8/4	Fri 25/7/25	Mon 25/8/4	Fri 25/7/25	Mon 25/8/4			405FS-2 days	2x carpenter
407	Concreting	1 day	Sun 25/8/3	0 days		406FS-2 days	Concrete gang					
408	Connection of ex. 400CU to SHT,CP6	28 days	Sat 25/8/2	Fri 25/8/29	Sat 25/8/2	Fri 25/8/29	Tue 26/1/20	Mon 26/2/16	171 days	0 4	407FS-2 days	
409	SHT.CP6~SHT,CP5,600CU(HD-G),L=24.1	36 days	Mon 25/8/4	Mon 25/9/8	Mon 25/8/4	Mon 25/9/8	Mon 25/8/4	Mon 25/9/8	0 days			
410	Excavation and Lateral Support	13 days	Mon 25/8/4	Sat 25/8/16	Mon 25/B/4	Sat 25/8/16	Mon 25/8/4	Sat 25/8/16	0 days	0 4	407	1x Excavator
411	Formwork Erection	14 days	Fn 25/8/15	Thu 25/8/28	Fri 25/8/15	Thu 25/8/28	Fri 25/8/15	Thu 25/8/28	0 days	0 4	410FS-2 days	≳x carpenter
412	Catchpit construcion	13 days	Wed 25/8/27	Mon 25/9/8	Wed 25/8/27	Mon 25/9/8	Wed 25/8/27	Mon 25/9/8	0 days	0 4	411FS-2 days	2x carpenter
413	Concreting	1 day	Sun 25/9/7	,	0 4	412FS-2 days	Concrete gang					
414	Connection of ex. 400CU to SHT CP5	28 days	Sat 25/9/6	Fri 25/10/3	Sat 25/9/6	Fri 25/10/3	Tue 26/1/20	Mon 26/2/16	136 days	0 4	413FS-2 days	
415	SHT.CP5~SHT.CP4,600CU(HD-G),L=73.9	85 days	Mon 25/9/8	Mon 25/12/1	Mon 25/9/8	Mon 25/12/1	Mon 25/9/8	Mon 25/12/1	0 days			
416	Stage 1	29 days	Mon 25/9/8	Mon 25/10/6	Mon 25/9/8	Mon 25/10/6	Mon 25/9/8	Mon 25/10/6	0 days			
417	Excavation and Lateral Support	10 days	Mon 25/9/8	Wed 25/9/17	Mon 25/9/8	Wed 25/9/17	Mon 25/9/8	Wed 25/9/17	0 days	0 4	413	1x Excavator
418	Formwork Erection	12 days	Tue 25/9/16	Sat 25/9/27	Tue 25/9/16	Sat 25/9/27	Tue 25/9/16	Sat 25/9/27	0 days	0 4	417FS-2 days	2x carpenter
419	Catchpit construcion	Il days	Fri 25/9/26	Mon 25/10/6	Fri 25/9/26	Mon 25/10/6	Fri 25/9/26	Mon 25/10/6	0 days	0 4	418FS-2 days	ZX carpenter
420	Concreting	1 day	Sun 25/10/5	0 days	0 4	419FS-2 days	Concrete gang					
421	Stage 2	29 days	Mon 25/10/6	Mon 25/11/3	Mon 25/10/6	Mon 25/11/3	Mon 25/10/6	Mon 25/11/3	0 days			
422	Excavation and Lateral Support	10 days	Mon 25/10/6	Wed 25/10/15	Mon 25/10/6	Wed 25/10/15	Mon 25/10/6	Wed 25/10/15	0 days	0 4	420	Ls Excavator
423	Formwork Erection	12 days	Tue 25/10/14	Sat 25/10/25	Tue 25/10/14	Sat 25/10/25	Tue 25/10/14	Sat 25/10/25	0 days	0 4	422FS-2 days	2x carpenter
424	Catchpit construcion	Il days	Fri 25/10/24	Mon 25/11/3	Fri 25/10/24	Mon 25/11/3	Fri 25/10/24	Mon 25/11/3	0 days	0 4	423FS-2 days	2x carpenter
425	Concreting	1 day	Sun 25/11/2		0 4	424FS-2 days	Concrete gang					
426	Stage 3	29 days	Mon 25/11/3	Mon 25/12/1	Mon 25/11/3	Mon 25/12/1	Mon 25/11/3	Mon 25/12/1	0 days			
427	Excavation and Lateral Support	10 days				Wed 25/11/12		Wed 25/11/12	0 days		425	Lecavator
428	Formwork Erection	12 days	Tue 25/11/11	Sat 25/11/22	Tue 25/11/11	Sat 25/11/22	Tue 25/11/11	Sat 25/11/22	0 days		427FS-2 days	₹X carpenter
429	Catchpit construcion	11 days	Fri 25/11/21	Mon 25/12/I		Mon 25/12/1	Fri 25/11/21	Mon 25/12/1	0 days		428FS-2 days	2x carpenter
430	Concreting	1 day	Sun 25/11/30			Sun 25/11/30		Sun 25/11/30	,		429FS-2 days	Concrete gang
431	Connection of ex. 450CU to SHT_CP4	28 days	Sat 25/11/29	Fri 25/12/26	Sat 25/11/29	Fri 25/12/26	Tue 26/1/20	Mon 26/2/16	52 days	0 4	430FS-2 days	
432	SHT.CP4~End,525CU(HD-G),L=82,3	78 days	Mon 25/12/1	Mon 26/2/16	Mon 25/12/1	Mon 26/2/16	Mon 25/12/1	Mon 26/2/16	0 days			
433	Stage 1	27 days	Mon 25/12/1	Sat 25/12/27	Mon 25/12/1	Sat 25/12/27	Mon 25/12/1	Sat 25/12/27	0 days			
434	Excavation and Lateral Support	10 days				Wed 25/12/10	Mon 25/12/1	Wed 25/12/10			430,117,120	Ix Excavator
435	Formwork Erection	11 days	Tue 25/12/9	Fri 25/12/19	Tue 25/12/9	Fri 25/12/19	Tue 25/12/9	Fri 25/12/19	0 days	0 4	434FS-2 days	₹ carpenter
436	Catchpit construcion	10 days	Thu 25/12/18	Sat 25/12/27	Thu 25/12/18	Sat 25/12/27	Thu 25/12/18	Sat 25/12/27	0 days	0 4	435FS-2 days	2x carpenter
437	Concreting	1 day	Fri 25/12/26	Fri 25/12/26	Fri 25/12/26	Fn 25/12/26	Fri 25/12/26	Fri 25/12/26	0 days	0 4	436FS-2 days	Concrete gang
438	Stage 2	27 days	Sat 25/12/27	Thu 26/1/22	Sat 25/12/27	Thu 26/1/22	Sat 25/12/27	Thu 26/1/22	0 days			
439	Excavation and Lateral Support	10 days	Sat 25/12/27	Mon 26/1/5	Sat 25/12/27	Mon 26/1/5	Sat 25/12/27	Mon 26/1/5	0 days	0 4	437	Lx Excavator
440	Formwork Erection	11 days	Sun 26/1/4	Wed 26/1/14	Sun 26/1/4	Wed 26/1/14	Sun 26/1/4	Wed 26/1/14	0 days	0 4	439FS-2 days	2x carpenter
441	Catchpit construcion	10 days	Tue 26/1/13	Thu 26/1/22	Tue 26/1/13	Thu 26/1/22	Tue 26/1/13	Thu 26/1/22	0 days	0 4	440FS-2 days	2x carpenter
442	Concreting	1 day	Wed 26/1/21	0 days	0 4	441FS-2 days	Concrete gang					
443	Stage 3	26 days	Thu 26/1/22	Mon 26/2/16	Thu 26/1/22	Mon 26/2/16	Thu 26/1/22	Mon 26/2/16	0 days			
444	Excavation and Lateral Support	10 days	Thu 26/1/22	Sat 26/1/31	Thu 26/1/22	Sat 26/1/31	Thu 26/1/22	Sat 26/1/31	0 days	0 4	142	Ix Excavator
445	Formwork Erection	10 days		Sun 26/2/8	Fri 26/1/30	Sun 26/2/8	Fri 26/1/30	Sun 26/2/8			444FS-2 days	<mark>™</mark> 2× carpenter
446	Catchpit construcion	10 days		Man 26/2/16		Mon 26/2/16	Sat 26/2/7	Mon 26/2/16			145FS-2 days	
447	Concreting	1 day			Mon 26/2/16				-		446FS-1 day	Concrete gang
2.524												Homeson-mark

Rolled Up Critical Task Rolled Up Progress External Tasks Group By Summary ´Task Progress Summary Revision : 8.0 Date: 30 April 2024 Deadline Rolled Up Milestone Critical Task Milestone Rolled Up Task Split Project Summary

Appendix 1.2	Project Organization Chart	

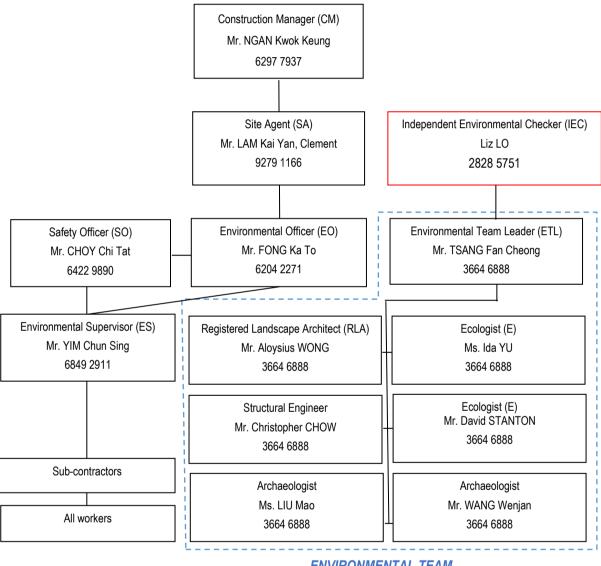
Appendix 1

Wing Tat Civil Engineering Co. Ltd

Contract No.: DC/2022/02

Drainage Improvement Works at Yuen Long - Stage 2

Organization Chart of Environmental Management (updated on 02-05-2024)



ENVIRONMENTAL TEAM

Appendix 1.3	Implementation Status of Environmental Mitigation Measure

Drainage Improvement Works Near Four Villages in Yuen Long – Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Monthly EM&A Report



Environmental Mitigation Implementation Schedule (EMIS)

Air Quality Impact Implementation Schedule of Recommended Mitigation Measures

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.3.8.1	S.3.2.3	All the dust control measures as recommended in the Air Pollution Control (Construction Dust) Regulation, where applicable, should be implemented. Typical dust control measures include:	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented
S.3.8.1	S.3.2.3	Proper and regular watering should be provided for all exposed and excavated work sites.	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented
S.3.8.1	S.3.2.3	Open stockpiles should be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented
S.3.8.1	S.3.2.3	All excavated or stockpile of dusty materials should be entirely covered by impervious sheeting or sprayed with water to ensure that the entire surface is wet. They should be sprayed with water immediately prior to any loading or transfer activities. These materials should be removed, backfilled or reinstated where practicable.	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.3.8.1	S.3.2.3	After the removal of stockpiles, the remaining dusty material should be sprayed with water and cleared from the surface of roads. Stockpiling areas of dusty materials should not be extended beyond the pedestrian barriers, fencing or traffic cones.	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented
S.3.8.1	S.3.2.3	At locations with proposed open excavation and reinstatement works, hoarding of not less than 2.4 m from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit. The contractor should ensure that the hoardings are well maintained throughout the entire construction period.	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented
S.3.8.1	S.3.2.3	Vehicles used for the transportation of dusty materials/ spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards.	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented
S.3.8.1	S.3.2.3	Vehicle wheel washing facilities will be provided at exit of the works site. The areas where vehicle wheel washing activities are carried out and the section of the construction site between the vehicle washing facilities and the exit should be paved with concrete or bituminous materials.	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented
S.3.8.1	S.3.2.3	Where possible, routing of vehicles and position of construction plant should be at the maximum possible distance from ASRs.	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.3.8.1	S.3.2.3	 All demolished materials that may generate dust should be covered entirely by impervious sheeting or placed in a covered area with the top and three sides enclosed within a day of demolition. 	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented
S.3.8.1	S.3.2.3	 At construction works areas where demolition takes place, water or dust suppression chemicals should be sprayed prior to, during and immediately after the demolition activities to ensure that the top surface remains wet. 	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Annex 4 and Annex 12 of EIAO -TM, Air Pollution Control (Construction Dust) Regulation	Implemented
S.3.8.1	S.3.2.3	The requirements stipulated in the Development Bureau Technical Circular (Works) No. 8/2010 Enhanced Specification for Site Cleanliness and Tidiness should be followed as far as practicable to enhance the cleanliness and tidiness of construction sites.	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Development Bureau Technical Circular (Works) No. 8/2010 Enhanced Specification for Site Cleanliness and Tidiness	Implemented
S.3.8.1	S.3.2.3	NRMMs should be approved or exempted with a label issued by EPD. The label should be displayed at a conspicuous position of the machine or vehicle. Nonroad vehicles are required to meet the Euro V emission standards and smoke requirements as stipulated under the Air Pollution Control (Vehicle Design Standards) (Emission) Regulation.	Emission from NRMM during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation	Implemented



	EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.	3.8.1	S.3.2.3	 The works at overlapping section are recommended to be scheduled to avoid works at the areas near Fan Kam Road. The Contractor shall liaise with No. CE 61/2012 (HY) – Improvement to Fan Kam Road – Investigation contractors so as to avoid undertaking works concurrently with the works from CE 61/2012 Project when they are in the close proximity. As a conservative approach, works for drainage improvement shall be carried when the works from the No. CE 61/2012 project is over 500 m away. 	Prevent potential cumulative construction air quality impacts	Contractor(s)	At all construction areas of the site for Ha Che during the entire construction period	-	Implemented

Drainage Improvement Works Near Four Villages in Yuen Long — Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Monthly EM&A Report



Environmental Mitigation Implementation Schedule (EMIS)

Noise Impact – Implementation Schedule of Recommended Mitigation Measures

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
Constru	ction Phase						
S.4.6.6	S. 4.8.1	Use of quiet PMEs and smaller sized of PMEs as practicable.	Noise control during construction	Contractor(s)	Construction areas near the specified locations during the construction period	EIAO-TM and NCO	Implemented
S.4.6.7	S. 4.8.1	Use of quiet PME for generator, mobile crane and excavator, wheeled/ tracked.	Noise control during construction	Contractor(s)	Construction areas near the specified locations during the construction period	EIAO-TM and NCO	Implemented
S.4.6.8	S. 4.8.1	The Contractor should be responsible for the design of temporary/ movable noise barriers with consideration of the size of PME and the requirements of intercepting the line of sight between the noise sensitive receivers and PME.	Noise control during construction	Contractor(s)	Construction areas near the specified locations during the construction period	EIAO-TM and NCO	Implemented





EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.4.7.1	S. 4.8.1	 The Contractor shall adopt the Code of Practice on Good Management Practice to Prevent Violation of the NCO (Cap. 400) (for Construction Industry) published by the EPD; The Contractor shall observe and comply with the statutory and non-statutory requirements and guidelines; Before commencing any work, the Contractor shall submit to the Environmental Review for approval the method of working, equipment and noise mitigation measures intended to be used at the site; The Contractor shall devise and execute working methods to minimise the noise impact on the identified surrounding sensitive uses, and provide experienced personnel with suitable training to ensure that those methods are implemented; Noisy equipment and noisy activities should be located as far away from the NSR's as is practical; Machines and plant (such as dump truck, vibratory compactor, lorry, cranes) that may be intermitted use should be shut down between work periods or should be throttled down to a minimum. Additionally, the combined use of noisy equipment/ machines should be avoided, when possible; 	Noise control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	EIAO-TM and NCO	Implemented



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
		 Only well-maintained plant should be operated on-site and plants should be serviced regularly during the construction programme; Silencers, mufflers or acoustic treatment mats on construction equipment should be utilised and properly maintained during the construction duration; Plants known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs; and Material stockpiles and other structures should be effectively utilised as noise barriers, where practicable. 					
S.4.7.2	S. 4.8.1	The Contractor shall, from time to time, be aware of the noise impacts on the surrounding NSRs through adequate noise monitoring during the works so that adjustments can be made to the number of plants used for any construction activity and the corresponding plant positioning. These requirements shall be incorporated into the project works contract.	Noise control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	EIAO-TM and NCO	Implemented



Ecological Impact – Implementation Schedule of Recommended Mitigation Measures

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
	S.5.2.1	The agetion of waterpoures with construction	Facing to avoid and	Contractor(a)	During	FIA contractual	Implemented
S.5.9.2	5.5.2.1	The section of watercourse with construction activities should be hydrologically isolated from the rest of the watercourse as far as practicable (except discharge of treated runoff).	Ecological – to avoid and minimize the spatial impact/ disturbance to the riverine habitat	Contractor(s)	During construction at all sites	EIA, contractual requirements	Implemented
\$.5.9.2	S.5.2.1	The staged construction activities should be commenced from upstream and progresses toward the downstream area and the reinstatement work especially the planting of riparian vegetation should also be undertaken in stages and commenced as soon as the hardscape work completed in the working section	Ecological – to avoid and minimize the spatial impact and shorten the temporal disturbance to the riverine habitat	Contractor(s)	During construction at all sites	EIA, contractual requirements	Implemented



EIA Ref. EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.5.9.3 S.5.2.2	 Effective implementation of an Environmental Management Systems in accordance with the ISO 14001 for all work sites; Effective implementation of mitigation measures recommended for dust suppression, noise reduction, as well as water quality and waste management as detailed in other sections of the EIA Report. Effective implementation of the Tree Preservation Measures as detailed in the guidelines published by the Tree Management Office. Staff awareness training on the ecological importance of the riverine habitats and inhabited wildlife, as well as briefing on the mitigation measures recommended in the EIA Report. Well defined and fenced Work Area to prevent intentional or accidental encroachment or trespassing into the adjacent habitats for access, parking and operation of plants/ machineries, as well as stockpiling of construction material or waste; Fence off any potentially ecologically sensitive resources within the work area with warning signpost; Water diversion by means of submerged water pump should be avoided as far as practicable to prevent obstruction of wildlife movement along the channel; 	Ecological – to avoid or minimize the potential disturbance to the habitats and wildlife inhabited within or adjacent to the work sites	Contractor(s)	During construction at all sites	EIA, contractual requirements	Implemented



EIA Ref. EM&A Ref	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
	 Waste and refuse should be stored or dumped in appropriate receptacles and onsite burning of waste should be strictly prohibited; Excavated material should be properly covered or promptly disposed of, and opportunities to stockpile and backfill the topsoil should be explored; No chemical should be stockpiled on-site until absolutely necessary; On-site maintenance of plant/ machineries/ vehicle should be avoided as far as practicable; Silt/ Sediment/ Oil traps should be installed to avoid direct discharge of effluent or site run-off; Regular ecological checks; Cut down of vegetation during site clearance should be in stages before groundwork takes place as such to disperse any wildlife that is sheltering in the immediate area; and minimise vehicle access. 					

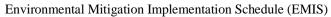


EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.5.9.4	S.5.2.10	The construction work in Tai Wo should be scheduled in the dry season and sandbags or other similar facilities should be placed along the southern boundary of the work site to prevent any accidental discharge of untreated effluent into the buffered grassland and EIS under adverse weather condition. In addition, discharge of any treated or untreated effluent, either by means of soakaway or direct discharge to nearby waterways, should be directed away from the grassland buffer and the EIS. The above measure should be audited regularly as part of the routine site inspection undertaken by the ET.	Ecological – to avoid and minimize any potential impact to the Cheung Po EIA from site discharge	Contractor(s)	Tai Wo	EIA, contractual requirements	Implemented
S.5.9.6 to 5.9.7	S.5.2.7, 5.2.8	A detail survey to update the abundance and distribution of the endemic freshwater crabs within the project site (include the original watercourse which will be cut-off at Ha Che and Lin Fa Tei, inclusive of a receptor site search for the preparation of a "Freshwater Crab Translocation Plan", in which the whole process including logistic arrangement should be detailed for the approval of AFCD.	Ecological – to avoid/ minimize the direct impact to the local population of these two endemic freshwater crab species	Engineer	Lin Fa Tei and Ha Che, before the commencement of the construction work	EIA, contractual requirements	Implemented, EPD advised no comment on the FCTP on 9 Feb 2024
S.5.9.6 to 5.9.7	S.5.2.9	Capture and translocate two endemic freshwater crabs and undertake post-translocation monitoring programme in accordance to the approved "Freshwater Crab Translocation Plan".	Ecological – to avoid/ minimize the direct impact to the local population of these two endemic freshwater crab species.	Contractor, ET	Lin Fa Tei and Ha Che, within one month before the commencement of the construction work	EIA, contractual requirements	Implemented, proconstruction surveys at Ha Che and Lin Fa Tei were completed between 5 and 7 Feb 2024 and 11 and 13 Mar 2024 respectively



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.5.9.6 to 5.9.8	S.5.2.9	Before the commencement of a construction work in a new section, the site should be inspected by the ecologist to confirm no inhabitation of the two freshwater crab species.	Ecological – to avoid/ minimize the direct impact to the local population of these two endemic freshwater crab species	Contractor, ET	Lin Fa Tei and Ha Che, within one month before the commencement of the construction work	EIA, contractual requirements	Implemented
S.5.9.9	S.5.2.4	The Aquilaria sinensis (seedling) within the site boundary at Sung Shan New Village to be protected and retained during construction in accordance with DEVB TCW No. 4/2020 Tree Preservation	Ecological – to preserve the floral species of conservation concern	Engineer	Sung Shan New Village	EIA, contractual requirements	Implemented
S.5.9.13- 5.9.19	S.5.2.15	Restoration of wildlife habitat by ecological habitat and niche that could promote colonisation of aquatic wildlife during the reinstatement of embankment and channel bed	Ecological – to compensate for the loss of wildlife habitat especially the two endemic freshwater crab species	Contractor(s)	All sites during construction	EIA, contractual requirements	The restoration and planting works will be conducted after the completion of construction work at Ha Che, Lin Fa Tei and Sung Shan New Village

Drainage Improvement Works Near Four Villages in Yuen Long — Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Monthly EM&A Report





Water Quality Impact – Implementation Schedule of Recommended Mitigation Measures

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
Constru	ction Phase						
S.6.7.2	S.6.2.3	 The mitigation measures should cover, but not limited to the following Best Management Practices: Sand/ silt removal facilities such as sand traps, silt traps and sediment basins should be provided to remove sand/ silt particles from runoff to meet the requirements of the Technical Memorandum standards under the WPCO. The design of silt removal facilities should be based on the guidelines provided in ProPECC PN 2/23. All drainage facilities and erosion and sediment control structures should be inspected monthly and maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Work programmes should be designed to minimize the size of work areas to minimize the soil exposure soil and reduce the potential for increased siltation and runoff; Boundaries of earthworks should be marked and surrounded by dykes or embankments for flood protection, as necessary; Silt removal facilities, channels and manholes should be maintained and cleaned regularly to ensure the proper function; Water pumped out from excavations should be discharged into silt removal facilities; 	Water quality control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO and ProPECC PN 2/23	Deficiency of Mitigation Measures but rectified by the Contractor. WPCO licenses for Ha Che and Lin Fa Tei were granted on 26 Apr 2024 and 24 May 2024 respectively. WPCO license for Sung Shan New Village and Tai Wo is under application.



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
		 Careful programming of the works to minimize soil excavation during the rainy season. If excavation of soil cannot be avoided during the wet season (April to September), exposed slope surfaces should be covered by a tarpaulin or other means. Other measures that need to be implemented before, during, and after rainstorms are summarized in ProPECC PN 2/23; Earthwork surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed; Wastewater generated from the washing down of mixer trucks and drum mixers and similar equipment should wherever practicable be recycled. The discharge of wastewater should be kept to a minimum; To prevent pollution from wastewater overflow, the pump sump of any water recycling system should be provided with an on-line standby pump of adequate capacity and with automatic alternating devices; 					



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
		 Under normal circumstances, surplus wastewater may be discharged into foul sewers after treatment in silt removal and pH adjustment facilities (to within the pH range of 6 to 10). Disposal of wastewater into storm drains will require more elaborate treatment. Surface run-off should be segregated from the concrete batching plant and casting yard area as much as possible, and diverted to the stormwater drainage system. Surface run-off contaminated by materials in a concrete batching plant or casting yard should be adequately treated before disposal into stormwater drains; Open stockpiles of construction materials on site should be covered with tarpaulin or similar fabric during rainstorms. 					
S.6.7.4	S6.2.3	The guidelines stipulated in the ProPECC PN 2/23 "Construction Site Drainage" issued by the EPD should be followed to minimise the potential water quality impacts. Good housekeeping and stormwater best management practices, as detailed below, should be implemented to ensure that all construction runoff are well controlled to minimise the water quality impacts that arise due to the construction works of the Project.	Water quality control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO and ProPECC PN 2/23	Deficiency of Mitigation Measures but rectified by the Contractor. WPCO licenses for Ha Che and Lin Fa Tei were granted on 26 Apr 2024 and 24 May 2024 respectively. WPCO license for Sung Shan New Village and Tai Wo is under application.



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
		 Flood protection such as dikes or embankments should be provided around the boundaries of earthwork areas. Temporary ditches should be provided as appropriate to facilitate the runoff discharge into drainage system, through a silt/ sediment trap. The silt/ sediment traps should be incorporated in the permanent drainage channels to enhance deposition rates; Construction works should be programmed to avoid surface excavation works during the rainy seasons (April to September). All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed. If excavation of soil 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, if any, 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; 					



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
		 All open stockpiles of construction materials (for example, aggregates, sand and fill material) 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; 3Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so 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 2/23. Particular attention should be paid to the control of silty surface runoff during storm events; 					



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
		 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-washing bay to the public road should be paved with sufficient backfall toward the wheel-washing 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 as far as possible. The oil interceptors, if any, should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage; Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts; All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby. 					

Drainage Improvement Works Near Four Villages in Yuen Long – Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Monthly EM&A Report



Environmental Mitigation Implementation Schedule (EMIS)

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.6.7.5	S.6.2.3	Maintenance of vehicles and equipment involving activities with potential for leakage and spillage is expected to be carried out off-site and should only be undertaken within areas appropriately equipped to control these discharges.	To control the effluent discharge during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO	Implemented
S.6.7.6	S.6.2.3	Contractor shall apply for a discharge license under WPCO.	To control the effluent discharge during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO	WPCO licenses for Ha Che and Lin Fa Tei were granted on 26 Apr 2024 and 24 May 2024 respectively. WPCO license for Sung Shan New Village and Tai Wo is under application.





EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.6.7.7 & S.6.7.8	S.6.2.3	 Portable chemical toilets and/ or sewage holding tanks should be provided for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets to cater to 0.15 m³/day/worker of sewage 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 should be conducted to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site. It is anticipated that sewage generation during the construction phase of the project would not cause water quality impact after undertaking all required measures. 	To control sewage generation during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO and Waste Disposal Ordinance	Implemented



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.6.7.10 - S.6.7.15	S.6.2.3	 • Due to the characteristics of narrow width and small water flow of the existing channel, the excavation should be carried out in dry condition (even in wet season) by diverting the stream flow from upstream by a temporary drainage channel with a temporary sheet piles, earth bund or barrier so that the works area will remain dry for later excavation and widening works; • The temporary drainage channel would be backfilled when the construction works are completed or the temporary diversion is no longer required. Although flooding of the proposed contaminant section seldom occurs in dry season, the excavation would consider to suspend when flood water enters the containment causing leakage of runoffs to stream water; • After dewatering of the streams, the sediments should be allowed to dry before excavation (yet still maintain a moist state to avoid dust nuisance). This will facilitate excavation of the sediments and also minimize the risk of drained water flowing back into watercourses or diversion channels as the sediment is handled. Where time or weather constraints require handling of wet sediment, care should be taken in the removal of sediment and the storage area should be bunded to prevent silty runoff entering watercourses. Given its small quantity, all excavated sediment should be reused on-site as backfilling material; 	Water quality control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO	Implemented

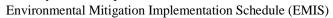


EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
		 To further minimize the leakage and loss of sediments during excavation, tightly sealed closed grab excavators should be employed in river sections where material to be handled is wet. Where material is dry and in non-river sections, conventional excavations can be used; Excavated sediment will likely be temporarily stored on-site for reuse as backfilling material. This should be stored in a bunded area and covered at any time to avoid inadvertent release of silts and suspended solids to nearby water bodies; Regular monitoring of suspended solids, pH and turbidity should be conducted during excavation works. Any exceedance of water quality in the nearby water bodies caused by inadvertent release of site runoff should be rectified in accordance with EM&A programme for this project. 					



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.6.7.16	\$6.2.3	 Cast in-situ Construction Minimise the area of the site which generates contaminated stormwater runoff; Provide a separate dedicated drainage system to discharge clean stormwater from the site; Drain all contaminated stormwater and process wastewater to a collection pit for recycling; Regularly clean out solids that accumulate in the pit; There must be no dry weather wastewater discharges from the site; Monitor wet weather discharges for pH and suspended solids. Retain the records. 	Water quality control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO	Implemented
S.6.7.17	\$6.2.3	Registration to EPD as a CWP (Chemical Waste Producers) is required if chemical wastes are generated and need to be disposed of. Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance (WDO). The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the WDO should be used as a guideline for handing chemical wastes.	Water quality control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO, WDO and the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes	Implemented

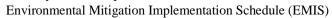
Drainage Improvement Works Near Four Villages in Yuen Long – Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Monthly EM&A Report





EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.6.7.18	S.6.2.3	 Mitigation measures to avoid potential impact to Cheung Po EIS The construction work in Tai Wo should be scheduled in the dry season and sand bags or other similar facilities should be placed along the southern boundary to the work site to prevent any accidental discharge of untreated effluent into the buffered grassland and EIS under adverse weather condition; Discharge of any treated or untreated effluent, either by means of soakaway or direct discharge to nearby waterways, should be directed away from the grassland buffer and the EIS. 	Water quality control during construction	Contractor(s)	At Tai Wo Area during the entire construction period	WPCO	Implemented

Drainage Improvement Works Near Four Villages in Yuen Long – Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Monthly EM&A Report



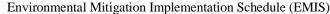


Waste Management Implication – Implementation Schedule of Recommended Mitigation Measures

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
Constru	uction Phase						
S.7.5.1	S.7.2.5	An on-site environmental co-ordinator employed by the contractor should be identified prior to the outset of the work. Prior to commencement of project, the environmental coordinator shall prepare a WMP in accordance with the requirements set out in the ETWB TCW No. 19/2005, Waste Management on Construction Sites, for the Engineers Representative's approval. The WMP shall include monthly and yearly Waste Flow Tables (WFT) that indicate the amount of waste generated, recycled and disposed of (including final disposal location), and which should be regularly updated;	Waste management during construction	Contractor(s)	Prior to commencement of Project works and implemented throughout the entire construction period	ETWB TCW No. 19/2005	Implemented
S.7.5.1	S.7.2.5	The Project contractor's waste management practices and effectiveness should also be audited by the Engineer on a regular basis;	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction period	ETWB TCW No. 19/2005	Implemented
S.7.5.1	S.7.2.5	The reuse/ recycling of all materials on site should be investigated and exhausted prior to treatment/ disposal off-site;	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction period	ETWB TCW No. 19/2005	Implemented



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.7.5.1	S.7.2.5	 Good site practices should be adopted from the commencement of works to avoid the generation of waste, reduce cross contamination of waste and to promote waste minimisation; 	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction period	ETWB TCW No. 19/2005	Implemented
S.7.5.1	S.7.2.5	All waste materials should be sorted on-site into inert and non-inert C&D materials, and where the materials can be recycled or reused, they should be further segregated. Inert material, or public fill will comprise stone, rock, masonry, brick, concrete and soil which is suitable for land reclamation and site formation whilst non-inert materials include all other wastes generated from the construction process such as plastic packaging and vegetation;	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction period	Waste Disposal Ordinance	Implemented
S.7.5.1	S.7.2.5	The Project contractor should be responsible for identifying what materials can be recycled/ reused, whether on-site or off-site. In the event of the latter, the contractor should make arrangements for the collection of the recyclable materials. Any remaining non-inert waste should be collected and disposed of to the landfill as last resort whilst any inert C&D materials should be re-used on site as far as possible. Alternatively, if no use of the inert materials can be found onsite, the materials can be delivered to a public fill area or public fill bank after obtaining the appropriate licence;	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction period	Waste Disposal Ordinance	Implemented





EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.7.5.1	S.7.2.5	 In order to monitor the disposal of C&D materials and solid waste at public filling facilities and landfills, and to control flytipping, a trip ticket system shall be implemented by the contractor, in accordance with the contract and the requirements of DEVB TCW No. 6/2010 "Trip Ticket System for Disposal of Construction and Demolition Material"; 	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction period	DEVB TCW No. 6/2010	Implemented
S.7.5.1	S.7.2.5	Under the Waste Disposal (Chemical Waste) (General) Regulation, the Project contractor shall register as a Chemical Waste Producer (CWP) if chemical wastes such as spent lubricants, paints, etc. are generated onsite. Only licensed chemical waste collectors shall be employed to collect any chemical waste generated onsite. The handling, storage, transportation and disposal of chemical wastes shall be conducted in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes and A Guide to the Chemical Waste Control Scheme both published by the EPD;	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction period	Waste Disposal (Chemical Waste) (General) Regulation	Implemented



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.7.5.1	S.7.2.5	 A sufficient number of covered bins should be provided onsite for the containment of general refuse to prevent visual impacts and nuisance to the sensitive surroundings. These bins should be cleared daily and the collected waste disposed of to the nearest refuse transfer station. Further to the issue of DEVB TC(W) No. 8/2010, Enhanced Specification for Site Cleanliness and Tidiness, the contractor is required to maintain a clean and hygienic site throughout the Project works; 	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction period	Waste Disposal Ordinance and DEVB TC(W) No. 8/2010	Implemented
S.7.5.1	S.7.2.5	 Minimize windblown litter and dust during transportation by either fitting trucks with mechanical covers or transporting waste in enclosed containers; 	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction	Waste Disposal Ordinance	Implemented
S.7.5.1	S.7.2.5	 All chemical toilets, if any, should be regularly cleaned and the night-soil collected and transported by a licensed contractor to a Government Sewage Treatment Works facility for disposal; 	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction	Waste Disposal Ordinance	Implemented
S.7.5.1	S.7.2.5	Toolbox talks should be provided to workers about the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling; and	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction	Waste Disposal Ordinance	Implemented
S.7.5.1	S.7.2.5	The project contractor shall comply with all relevant statutory requirements and guidelines and their updated versions that may be issued during the course of the project construction.	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction	Waste Disposal Ordinance	Implemented



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S.7.5.1	S.7.2.5	 Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Segregation and storage different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal; Encourage collection of aluminium cans, PET bottles and paper by providing separate labelled bins to enable these wastes to be segregated from other general refuse generated by the workforce; Use of reusable non-timber formwork to reduce the amount of C&D material; Prior to disposal of C&D waste, it is recommended that wood, steel and other metal shall be separated for re-used and/ or recycling to minimise the quantity of waste to be disposal of to landfill; Proper storage and site practice to minimise the potential for damage and contamination of construction materials; Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste. 	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction	ETWB TCW No. 19/2005	Implemented

Drainage Improvement Works Near Four Villages in Yuen Long — Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Monthly EM&A Report



Environmental Mitigation Implementation Schedule (EMIS)

Land Contamination – Implementation Schedule of Recommended Mitigation Measures

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
Constru	ction Phase						
S.8.8.1	S.8.2.1	Unexpected contaminated materials may be encountered near identified potential contaminated sites during construction. Should suspected contamination be found during construction, the extent and nature of contamination within project areas should be properly assessed and the contaminated soil/ groundwater should be remediated in accordance with EPD issued publications as below: • Guidance Note for Contaminated Land Assessment and Remediation; • Guidance Manual for Use of Risk-based Remediation Goals ("RBRGs") for Contaminated Land Management; and • Practice Guide for Investigation and Remediation of Contaminated Land.	Safety precautionary measures for handling possible contaminated materials	Contractor(s)	During construction works within the works areas nearby the land contamination sites HC-A, HC-C, HC-D, HC-I, LFT-A, LFT-B, LFT-C, LFT-D, LFT-E and SSNV-A	Guidance Note for Contaminated Land Assessment and Practice Guide for Investigation Remediation of Contaminated Land	No unexpected contaminated material was encountered during reporting period

Drainage Improvement Works Near Four Villages in Yuen Long — Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Monthly EM&A Report



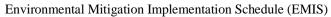


Landscape & Visual Impact – Implementation Schedule of Recommended Mitigation Measures

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
Construct	tion Phase						
\$9.12.1.1	S.9.2	Construction Site Control CM01 - Tree Protection and Preservation Trees / woodland within the Project Site which are unaffected by the works shall be protected and preserved during the construction phase. The tree preservation proposals shall be coordinated with the layout and design of the engineering and architectural works at detailed design stage for further retention of individual trees.	Good site practices and to minimize landscape and visual impact	DSD and its contractors.	Work sites	EIAO-TM	Implemented
\$9.12.1.1	S.9.2	CM02 – Compensatory Tree Planting If removal of trees unavoidable due to construction impacts, trees will be compensated where technically feasible.	Good site practices and to minimize landscape and visual impact	DSD and its contractors.	Work sites	EIAO-TM	No tree was removed during reporting period
S9.12.1.1	S.9.2	CM03 - Works Area and Temporary Works Areas (Good Site Practice) The construction sequence and construction programme shall be optimized in order to minimize the duration of impact. Construction site controls shall be enforced including the storage of materials, and the location and appearance of site accommodation and site storage. The site office or temporary above- ground structures shall be sited in locations which are not visually prominent.	Good site practices and to minimize landscape and visual impact	DSD and its contractors.	Work sites	EIAO-TM	Implemented
S9.12.1.1	S.9.2	CM04 - Advance Implementation of Mitigation Planting Replanting of existing/ disturbed vegetation shall be undertaken as soon as technically feasible.	Good site practices and to minimize landscape and visual impact	DSD and its contractors.	Work sites	EIAO-TM	No replanting work was conducted during reporting period

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
S9.12.1.1	S.9.2	CM05 - Coordination with Concurrent Projects Coordinated implementation programme with concurrent projects to minimise impacts and where possible reduce the period of disturbance.	Good site practices and to minimize landscape and visual impact	DSD and its contractors.	Work sites	EIAO-TM	Implemented
S9.12.1.1	S.9.2	CM06 - Decorative Screen Hoarding Decorative screen hoarding will be erected along areas of the construction works site boundary where the works site borders publicly accessible routes and/ or is close to visually sensitive receivers (VSRs) to screen undesirable views of the works site. It is proposed that the screening be compatible with the surrounding environment and where possible, non-reflective, recessive colours be used.	Good site practices and to minimize landscape and visual impact	DSD and its contractors.	Work sites	EIAO-TM	Implemented
\$9.12.1.1	S.9.2	CM07 – Light Control Construction and night time lighting glare will be controlled to minimize glare impact to adjacent VSRs during the construction stage. This is considered a general measure for good practice.	Good site practices and to minimize landscape and visual impact	DSD and its contractors.	Work sites	EIAO-TM	Implemented
S9.12.1.1	S.9.2	CM08 – Topsoil reuse Excavated topsoil should be conserved for reuse by the project or other projects. This is considered a general measure for good site practice.	Good site practices and to minimize landscape and visual impact	DSD and its contractors.	Work sites	EIAO-TM	Implemented
S9.12.1.1	S.9.2	CM09 - Channel Bed Translocation Excavated natural stream bedding should be conserved for re-use by the project. This is considered a general measure for promoting sustainability and ecological continuity.	Good site practices and to minimize landscape and visual impact	DSD and its contractors.	Work sites	EIAO-TM	Implemented

Drainage Improvement Works Near Four Villages in Yuen Long — Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Monthly EM&A Report





Cultural Heritage Impact – Implementation Schedule of Recommended Mitigation Measures

EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
Constru	ction Phase						
Table 10-3	Table 10.1	 A condition survey will be carried out in advance of works that may be affected by ground-borne vibration. The Condition Survey Report should contain descriptions of the structure, identification of fragile elements, an appraisal of the condition and working methods for any proposed monitoring and precautionary measures that are recommended with aid of photo records. The condition survey report must be submitted to AMO for comment before construction activities commence. The contractor should implement the approved monitoring and precautionary measures; Vibration monitoring should be undertaken during the construction works to ensure that safe levels of vibration are not exceeded. An Alert, Alarm and Action (AAA) vibration limit set at 5 / 6 / 7.5 mm/s for Grade 3 historic buildings should be adopted. A monitoring schedule, the location of monitoring, reporting requirements and action plan should be included in the condition survey report. The location of any monitoring equipment in the building must be approved by the owner before installation; 	Cultural heritage protection	Contractors	During the construction period, for Lee Tat Bridge (GB-01)	AMO Guidelines on CHIA; EIAO-TM	The condition survey report was submitted on 22 December 2023



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
		 A buffer zone should be provided to separate the building or walls of the building from the construction works. The buffer zone should be clearly marked out by temporary fencing. The buffer zone should be made at least 5 m from the proposed works or if this is not possible as large as the site restrictions allow; The contractor should ensure that safe public access is possible, through provision of clearly marked paths separated from the construction works areas, and is provided for any such affected cultural heritage structure. It is recommended that safe public access to the bridge be provided during the construction works. 					
Table 10-3	Table 10.1	Lan Fong Study Hall (GB-02) No mitigation required	N/A	N/A	N/A	AMO Guidelines on CHIA; EIAO-TM	N/A
Table 10-3	Table 10.1	St. John's Chapel (GB-03) No mitigation required	N/A	N/A	N/A	AMO Guidelines on CHIA; EIAO-TM	N/A
Table 10-1	S.10.2.1 – S.10.2.2	 The proposed drainage works in the Lin Fa Tei area near previous wooden archaeological remains; Archaeological survey prior to construction works in area marked on Figure 10.16 of the EIA report; A qualified archaeologist shall apply for a licence under the Antiquities and Monuments Ordinance (Cap. 53) for the archaeological fieldwork. 	Identification of archaeological remains, deposits and material within survey area Identification of archaeological extent	Qualified archaeologist engaged by Contractor	Prior to construction phase	Antiquities and Monuments Ordinance	Archaeological Survey will be conducted prior to the construction works



EIA Ref.	EM&A Ref.	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures & main concerns to address	Who to implement the measures?	Location/ Timing of implementation of Measures	What requirements or standards for the measures to achieve?	Implementation Status
Table 10-1	S.10.2.3	As a precautionary measure, the Antiquities and Monuments Office (AMO) should be informed immediately in case of discovery of antiquities or supposed antiquities in the course of excavation for the proposed drainage improvement works at Tai Wo area, Ha Che River area, Lin Fa Tei area (all areas except area identified for Archaeological Survey) and Sung Shan New village area, so that appropriate mitigation measures, if needed, can be timely formulated and implemented in agreement with AMO.	To ensure appropriate mitigation measures can be timely formulated and implemented to preserve archaeological data, if discovered, in agreement with AMO	Contractor	During construction phase	Antiquities and Monuments Ordinance	No antiquities or supposed antiquities was discovered during the reporting period

Appendix 2.1	Calibration Certificates of Impact Water Quality Monitoring Equipment



專業化驗有限公司 OUALITY PRO TEST-CONSULT LIMITED

Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BD030061

Date of Issue

: 19 March 2024

Page No.

: 1 of 2

PART A - CUSTOMER INFORMATION

Acuity Sustainability Consulting Limited

Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment:

YSI ProDSS Multi Parameters

Manufacturer:

YSI

Serial Number:

15M101091

Date of Received:

14 March 2024

Date of Calibration:

18 March 2024

Date of Next Calibration: Request No.:

18 June 2024 D-BD030061

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter

Reference Method

pH value

APHA 21e 4500-H+ B

Temperature

Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March

2008: Working Thermometer Calibration Procedure

Salinity

APHA 21e 2520 B

Dissolved oxygen

APHA 23e 4500-O G (Membrane Electrode Method)

Turbidity

APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	3.98	-0.02	Satisfactory
7.42	7.41	-0.01	Satisfactory
10.01	9.86	-0.15	Satisfactory

Tolerance of pH value should be less than \pm 0.2 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
16.0	16.5	0.5	Satisfactory
24.0	23.1	-0.9	Satisfactory
35.5	35.1	-0.4	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

(3) Salinity

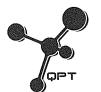
Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.38	-6.20	Satisfactory
20	18.65	-6.75	Satisfactory
30	29.05	-3.17	Satisfactory

Tolerance of Salinity should be less than \pm 10.0 (%)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

Assistant Manager



專業化驗有限公司 QUALITY PRO TEST-CONSULT LIMITED

Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BD030061

Date of Issue

: 19 March 2024

Page No.

: 2 of 2

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
8.41	8.13	-0.28	Satisfactory
6.11	5.88	-0.23	Satisfactory
2.56	2.40	-0.16	Satisfactory
0.83	0.41	-0.42	Satisfactory

Tolerance of Dissolved oxygen should be less than \pm 0.5 (mg/L)

(5) Turbidity

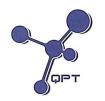
Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	Result
0	0.88		Satisfactory
10	10.88	8.8	Satisfactory
20	21.14	5.7	Satisfactory
100	106.45	6.5	Satisfactory
800	761.97	-4.8	Satisfactory

Tolerance of Turbidity should be less than \pm 10.0 (%)

Remark(s)

- The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
- ·The results relate only to the calibrated equipment as received
- ·The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source
- "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
- ·The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

--- END OF REPORT ---



專業化驗有限公司 QUALITY PRO TEST-CONSULT LIMITED

Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BD040041

Date of Issue

: 16 April 2024

Page No.

: 1 of 2

PART A - CUSTOMER INFORMATION

Acuity Sustainability Consulting Limited

Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment:

YSI ProDSS (Multi-Parameters)

Manufacturer:

YSI (a xylem brand)

Serial Number :

22C106561

Date of Received:

10 April 2024

Date of Calibration:

16 April 2024

Date of Next Calibration: Request No.:

15 July 2024

request 140.

D-BD040041

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter

Reference Method

pH value

APHA 21e 4500-H+ B

Temperature

Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March

2008: Working Thermometer Calibration Procedure

Salinity

APHA 21e 2520 B

Dissolved oxygen

APHA 23e 4500-O G (Membrane Electrode Method)

Turbidity

APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	4.14	0.14	Satisfactory
7.42	7.56	0.14	Satisfactory
10.01	10.09	0.08	Satisfactory

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
11.0	11.1	0.1	Satisfactory
26.0	25.1	-0.9	Satisfactory
40.0	38.7	-1.3	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (°C)

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.68	-3.20	Satisfactory
20	19.27	-3.65	Satisfactory
30	28.85	-3.83	Satisfactory

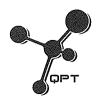
Tolerance of Salinity should be less than \pm 10.0 (%)

--- CONTINUED ON NEXT PAGE ---

AUTHORIZED SIGNATORY:

LEE Chun-ning Assistant Manager

This report shall not be reproduced unless with prior written approval from this laboratory



專業化驗有限公司 QUALITY PRO TEST-CONSULT LIMITED

Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No.

: R-BD040041

Date of Issue

: 16 April 2024

Page No.

: 2 of 2

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
8.14	8.59	0.45	Satisfactory
5.35	5.12	-0.23	Satisfactory
2.92	2.72	-0.20	Satisfactory
0.32	0.26	-0.06	Satisfactory

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(5) Turbidity

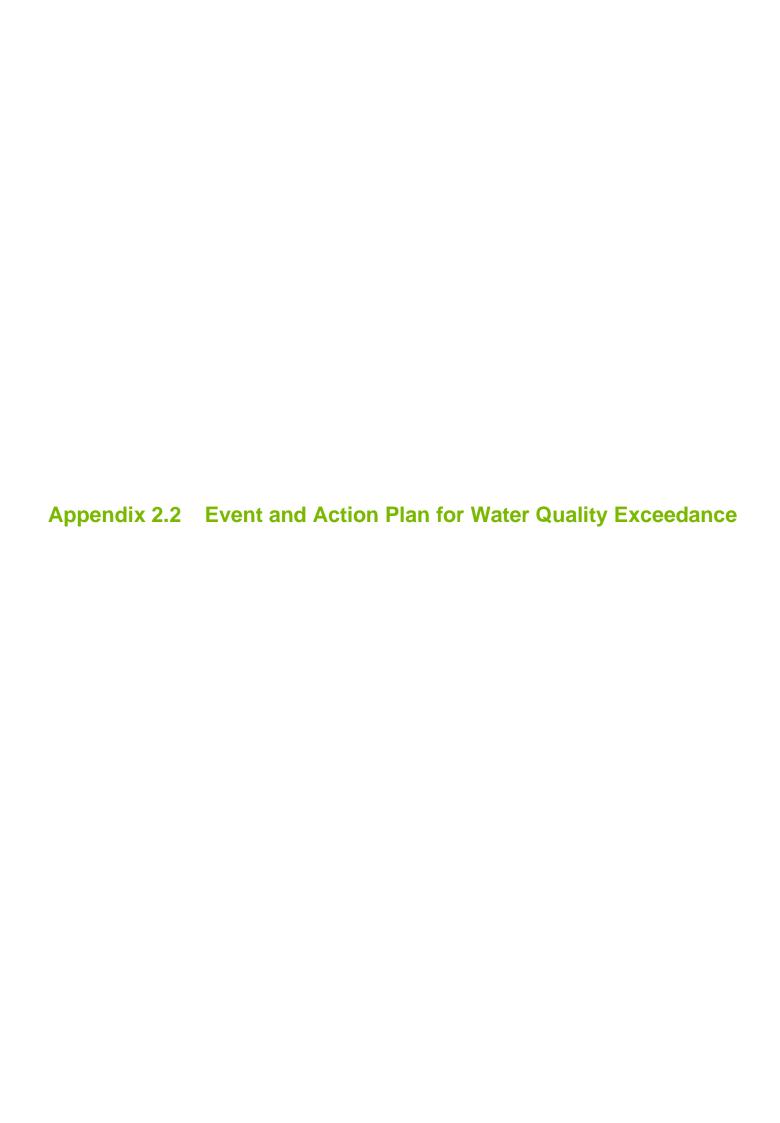
Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	Result Satisfactory	
0	0.88			
10	9.62	-3.8	Satisfactory	
20	18.76	-6.2	Satisfactory	
100	98.45	-1.6	Satisfactory	
800	770.86	-3.6	Satisfactory	

Tolerance of Turbidity should be less than ± 10.0 (%)

Remark(s)

- 'The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.
- ·The results relate only to the calibrated equipment as received
- The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
- ·"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
- •The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

--- END OF REPORT ---



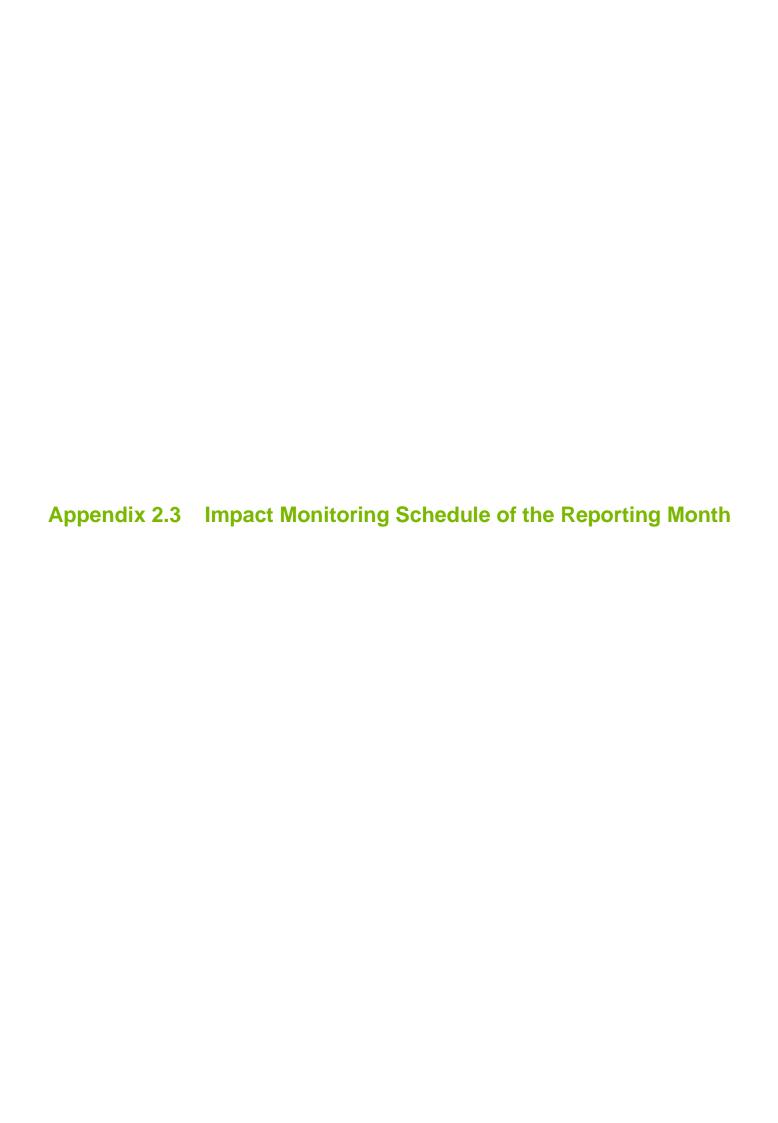
Event and Action Plan for Water Quality

		Act	tion	
Event	ET ⁽¹⁾	IEC (1)	ER ⁽¹⁾	Contractor
Action Level being exceeded by one sampling day	 Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform the IEC and the Contractor; Check monitoring data, all plant, equipment and the Contractor's working methods; Discuss mitigation measures with the IEC and the Contractor; Repeat measurement on next day of exceedance. 	1. Discuss with the ET and the Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by the Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with the IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented.	 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 the ET and the IEC and propose mitigation measures to the IEC and the ER; Implement the agreed mitigation measures.
Action Level being exceeded by more than one consecutive sampling days	 Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform the IEC and the Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with the IEC and the Contractor; Ensure mitigation measures are implemented; Prepare to increase the monitoring frequency to daily; Repeat measurement on next day of exceedance. 	1. Discuss with the ET and the Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by the Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with the IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented; 3. Assess the effectiveness of the implemented mitigation measures.	 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 the ET and the IEC and propose mitigation measures to the IEC and the ER within 3 working days; Implement the agreed mitigation measures.

Front		Ac	tion	
Event	ET ⁽¹⁾	IEC ⁽¹⁾	ER ⁽¹⁾	Contractor
Limit Level being exceeded by one sampling days	 Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform the IEC, the Contractor and the DEP; Check monitoring data, all plant, equipment and the Contractor's working methods; Discuss mitigation measures with the IEC, the ER and the Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit Level. 	1. Discuss with the ET and the Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by the Contractor and advise the ER accordingly; 3. Access the effectiveness of the implemented mitigation measures.	1. Discuss with the IEC, the ET and the Contractor on the proposed mitigation measures; 2. Request the Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Assess the effectiveness of the implemented mitigation measures.	1. Inform the Engineer and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with the ET, the IEC and the ER and propose mitigation measures to the IEC and the ER within 3 working days; 6. Implement the agreed mitigation measures.

F		Act	tion	
Event	ET ⁽¹⁾	IEC (1)	ER ⁽¹⁾	Contractor
Limit Level being exceeded by more than one consecutive sampling days	 Repeat in-situ measurement to confirm findings; Identify source(s) of impact. Inform the IEC, the Contractor and the DEP; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with the IEC, the ER and the Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days. 	1. Discuss with the ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by the Contractor and advise the ER accordingly; 3. Access the effectiveness of the implemented mitigation measures.	1. Discuss with the IEC, the ET and the Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Assess the effectiveness of the implemented mitigation measures; 5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the works until no exceedance of Limit Level.	 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 the ET, the IEC and the ER and propose mitigation measures to the IEC and the ER within 3 working days; Implement the agreed mitigation measures; As directed by the ER, slow down or stop all or part of the construction activities.

Note (1) ET – Environmental Team, IEC – Independent Environmental Checker, ER – Engineer's Representative, DEP – Director of Environmental Protection.



		Impact Noise & Water Monitoring Schedule fo	or Contract No. DC/2022/0 May 20	02 Drainage Improvement Works at Yuen Long Sta	age 2 (Version 3)	
Sun	Mon	Tue	Wed	Thur	Fri	Sat
			1	2	3	4
				Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11	#Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10
5	6	7	8	9	10	11
		Water quality monitoring at C1A, C3A, C6, C7A, C8, C9 and C10		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11	Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10
12	13	14	15	16	17	18
		Water quality monitoring at C1A, C3A, C6, C7A, C8, C9 and C10		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11	Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10
19	20	21	22	23	24	25
		&Water quality monitoring at C1A C3A, C6, C7A, C8, C9 and C10		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11	Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10
26	27	28	29	30	31	
		Water quality monitoring at C1A, C3A, C6, C7A, C8, C9 and C10		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11	
Noise Monitoring Locations:	: Ha Che: HC_M3A, HC_M4, and HC_M6			nter Monitoring Locations: atter quality monitoring stations at Ha Che: C9 and C10		1

Noise monitoring stations at Tai Wo: TW_M2 and TW_M3

Noise monitoring stations at Lin Fa Tei: LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11

Noise monitoring stations at Sung Shan New Village: SSNV_M2, SSNV_M3, and SSNV_M6

Water quality monitoring stations at Ha Che: C9 and C10

Water quality monitoring stations at Tai Wo: C4 and C5

Water quality monitoring stations at Lin Fa Tei: C6, C7A, and C8 Water quality monitoring stations at Sung Shan New Village: C1A, C2, and C3A

Remarks:

1. The schedule may be changed due to unforeseen circumstances (e.g. adverse weather, etc.)

2. As stipulated in EP No.: EP-596/2021 condition 3.2 and confirmed by the Contractor, no construction work is scheduled at Tai Wo between April 2024 and September 2024. Thus, impact noise monitoring and impact water quality monitoring, will be suspended between April 2024 and September 2024. 3. The access to noise monitoring station LFT_M7 was not granted by property management office since 27 March 2024, the impact noise monitoring at LFT_M7 was then suspended since 27 March 2024.

Note (s):

The monitoring event is cancalled due to adverse weather

& Water quality monitoring was only conducted at C9 and C10 due to adverse weather

Appendix 2.4	Impact Water Quality Monitoring Data	



Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU)	SS (mg/L)	Remark
C1A	20240502	Sunny	17:00	6.89	82.9	8.46	0.29	24.70	7.03	12	/
C1A	20240502	Sunny	17:01	6.95	83.6	8.46	0.29	24.70	7.13	12	/
C1A	20240507	Sunny	16:25	6.90	86.7	7.49	0.08	27.00	1.58	3	/
C1A	20240507	Sunny	16:25	6.88	86.5	7.48	0.08	27.00	1.57	2	/
C1A	20240509	Sunny	17:11	7.65	95.4	7.65	0.12	26.60	9.71	6	/
C1A	20240509	Sunny	17:11	7.67	95.8	7.66	0.12	26.70	9.92	6	/
C1A	20240511	Sunny	13:11	7.58	94.5	8.15	0.09	26.50	4.25	<2.5	/
C1A	20240511	Sunny	13:11	7.50	93.5	8.12	0.09	26.50	4.33	<2.5	/
C1A	20240514	Sunny	17:20	7.12	91.3	8.22	0.12	28.20	8.09	4	/
C1A	20240514	Sunny	17:20	7.11	91.2	8.22	0.12	28.20	8.07	5	/
C1A	20240516	Sunny	16:37	8.98	113.0	8.21	0.13	27.10	6.62	<2.5	/
C1A	20240516	Sunny	16:38	8.99	113.1	8.13	0.13	27.10	6.55	3	/
C1A	20240518	Sunny	13:14	6.93	87.2	8.21	0.08	25.80	5.79	4	/
C1A	20240518	Sunny	13:14	6.84	86.0	8.18	0.08	25.80	5.64	3	/
C1A	20240523	Cloudy	16:44	7.52	91.8	7.52	0.10	25.40	10.18	<2.5	/
C1A	20240523	Cloudy	16:44	7.52	91.8	7.51	0.10	25.40	10.09	3	/
C1A	20240525	Cloudy	14:12	7.48	91.3	7.51	0.11	25.50	6.88	4	/
C1A	20240525	Cloudy	14:12	7.55	92.1	7.53	0.11	25.50	6.74	6	/
C1A	20240528	Cloudy	17:08	6.95	89.1	7.55	0.11	28.20	7.79	6	/
C1A	20240528	Cloudy	17:08	6.94	89.0	7.54	0.11	28.20	7.88	7	/
C1A	20240530	Cloudy	16:44	6.95	83.7	7.47	0.07	24.70	5.18	5	/
C1A	20240530	Cloudy	16:44	6.93	83.4	7.45	0.07	24.70	5.3	5	/



Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU)	SS (mg/L)	Remark
C2	20240502	Sunny	16:45	5.45	65.6	8.52	0.31	24.60	19.65	13	/
C2	20240502	Sunny	16:45	5.43	65.3	8.52	0.31	24.60	19.84	9	/
C2	20240507	Sunny	16:08	6.65	83.5	7.45	0.08	27.00	3.42	4	/
C2	20240507	Sunny	16:08	6.64	83.4	7.44	0.08	27.00	3.43	3	/
C2	20240509	Sunny	16:59	7.96	98.8	7.44	0.09	26.40	9.39	9	/
C2	20240509	Sunny	16:59	7.96	98.7	7.43	0.09	26.40	9.45	6	/
C2	20240511	Sunny	12:43	5.49	68.5	7.99	0.10	27.10	3.63	<2.5	/
C2	20240511	Sunny	12:43	5.53	69	7.95	0.10	27.10	3.77	<2.5	/
C2	20240514	Sunny	16:59	6.28	80.8	7.41	0.10	28.40	5.22	4	/
C2	20240514	Sunny	16:59	6.24	80.4	7.41	0.10	28.40	5.11	6	/
C2	20240516	Sunny	16:28	7.03	90.3	7.57	0.11	28.30	5.47	4	/
C2	20240516	Sunny	16:28	7.02	90.1	7.56	0.11	28.30	5.49	6	/
C2	20240518	Sunny	13:01	7.63	96	8.01	0.11	26.30	7.35	7	/
C2	20240518	Sunny	13:01	7.55	95	7.99	0.11	26.30	7.47	7	/
C2	20240523	Cloudy	16:34	5.54	67.9	7.36	0.03	25.70	5.27	3	/
C2	20240523	Cloudy	16:35	5.53	67.8	7.35	0.03	25.70	5.22	3	/
C2	20240525	Cloudy	13:59	6.72	82	7.18	0.05	24.80	5.06	3	/
C2	20240525	Cloudy	13:59	6.74	82.2	7.16	0.05	24.80	5.15	5	/
C2	20240528	Cloudy	16:57	3.90	49.3	7.90	0.34	27.30	8.23	8	/
C2	20240528	Cloudy	16:57	3.85	48.7	7.89	0.34	27.30	8.35	10	/
C2	20240530	Cloudy	16:31	4.50	54.8	7.48	0.16	25.30	8.72	6	/
C2	20240530	Cloudy	16:31	4.15	50.6	7.48	0.16	25.30	8.64	7	/



Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU)	SS (mg/L)	Remark
C3A	20240502	Sunny	16:25	7.32	86.6	8.40	0.02	23.80	7.53	4	/
C3A	20240502	Sunny	16:25	7.30	86.4	8.37	0.02	23.80	7.54	4	/
C3A	20240507	Sunny	15:50	7.57	92.7	7.52	0.02	25.60	6.23	4	/
C3A	20240507	Sunny	15:51	7.55	92.5	7.38	0.02	25.60	6.25	4	/
C3A	20240509	Sunny	16:40	8.32	100.3	7.51	0.02	24.80	7.74	3	/
C3A	20240509	Sunny	16:40	8.30	100.1	7.46	0.02	24.80	7.79	2	/
C3A	20240511	Sunny	12:29	7.64	95.3	8.20	0.14	26.80	7.28	3	/
C3A	20240511	Sunny	12:29	7.77	96.9	8.16	0.14	26.80	7.31	<2.5	/
C3A	20240514	Sunny	16:39	7.85	97.1	6.79	0.02	26.20	7.6	5	/
C3A	20240514	Sunny	16:39	7.85	97	6.78	0.02	26.20	7.52	4	/
C3A	20240516	Sunny	16:13	8.16	99.7	7.23	0.02	25.50	5.98	3	/
C3A	20240516	Sunny	16:13	8.15	99.5	7.20	0.02	25.50	5.96	3	/
C3A	20240518	Sunny	12:44	7.88	99.1	8.12	0.13	25.90	5.33	<2.5	/
C3A	20240518	Sunny	12:45	7.95	100	8.13	0.13	25.90	5.48	<2.5	/
C3A	20240523	Cloudy	16:21	7.80	93.3	7.50	0.02	24.30	8.11	3	/
C3A	20240523	Cloudy	16:22	7.78	93	7.43	0.02	24.30	7.48	3	/
C3A	20240525	Cloudy	13:44	7.56	92.2	7.45	0.02	25.30	6.56	5	/
C3A	20240525	Cloudy	13:45	7.78	94.9	7.43	0.02	25.30	6.58	5	/
C3A	20240528	Cloudy	16:42	7.77	96.6	7.66	0.02	26.50	8.46	5	/
C3A	20240528	Cloudy	16:43	7.77	96.6	7.62	0.02	26.50	8.34	5	/
C3A	20240530	Cloudy	15:51	8.15	97.6	7.53	0.02	24.50	6.98	4	/
C3A	20240530	Cloudy	15:51	8.12	97.3	7.50	0.02	24.50	6.87	4	/



Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU)	SS (mg/L)	Remark
C6	20240502	Sunny	14:51	7.66	91.0	8.54	0.09	24.00	5.29	8	/
C6	20240502	Sunny	14:51	7.65	90.9	8.51	0.09	24.00	5.44	7	/
C6	20240507	Sunny	14:37	8.16	98.8	8.09	0.08	25.00	1.74	2	/
C6	20240507	Sunny	14:37	8.16	98.8	8.07	0.08	25.00	1.68	2	/
C6	20240509	Sunny	15:12	8.72	102.8	7.75	0.08	23.60	2.96	7	/
C6	20240509	Sunny	15:13	8.72	102.8	7.74	0.08	23.60	2.89	6	/
C6	20240511	Sunny	10:43	5.48	68.3	7.92	0.13	26.40	4.58	<2.5	/
C6	20240511	Sunny	10:44	5.52	68.8	7.92	0.13	26.40	4.66	<2.5	/
C6	20240514	Sunny	14:55	8.29	98	7.69	0.08	23.70	7.04	8	/
C6	20240514	Sunny	14:55	8.28	97.9	7.67	0.08	23.70	6.92	8	/
C6	20240516	Sunny	14:45	8.86	103.5	7.99	0.08	23.10	14.84	10	/
C6	20240516	Sunny	14:45	8.86	103.5	7.98	0.08	23.10	14.57	9	/
C6	20240518	Sunny	11:04	7.21	90.7	7.95	0.16	26.10	6.41	3	/
C6	20240518	Sunny	11:05	7.35	92.5	7.95	0.16	26.10	6.36	5	/
C6	20240523	Cloudy	15:00	8.56	103	8.09	0.10	24.70	7.43	6	/
C6	20240523	Cloudy	15:00	8.56	103	8.03	0.10	24.70	7.79	6	/
C6	20240525	Cloudy	12:24	7.40	90.3	7.96	0.12	24.90	6.04	7	/
C6	20240525	Cloudy	12:24	7.41	90.4	8.04	0.12	24.90	6.03	5	/
C6	20240528	Cloudy	15:17	8.13	107.2	8.13	0.07	29.80	2.98	10	/
C6	20240528	Cloudy	15:17	8.13	107.2	8.13	0.07	29.80	2.89	9	/
C6	20240530	Cloudy	15:00	6.56	80	7.88	0.12	24.90	8.11	4	/
C6	20240530	Cloudy	15:00	6.48	79.1	7.88	0.12	24.90	8.23	4	/



Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU)	SS (mg/L)	Remark
C7A	20240502	Sunny	15:18	6.40	77.5	8.31	0.14	25.00	7.76	7	/
C7A	20240502	Sunny	15:18	6.30	76.3	8.29	0.14	25.00	8.02	8	/
C7A	20240507	Sunny	14:57	7.32	92.4	8.13	0.12	27.30	4.76	7	/
C7A	20240507	Sunny	14:57	7.31	92.3	8.11	0.12	27.30	4.47	8	/
C7A	20240509	Sunny	15:46	7.26	90.5	7.79	0.12	26.60	13.61	9	/
C7A	20240509	Sunny	15:46	7.29	90.8	7.82	0.12	26.50	13.12	11	/
C7A	20240511	Sunny	11:10	5.16	64.3	8.01	0.12	26.10	4.91	<2.5	/
C7A	20240511	Sunny	11:10	5.19	64.7	8.02	0.12	26.10	4.99	<2.5	/
C7A	20240514	Sunny	15:26	6.70	86.3	8.28	0.12	28.40	8.83	7	/
C7A	20240514	Sunny	15:26	6.71	86.4	8.28	0.12	28.40	9.03	9	/
C7A	20240516	Sunny	15:13	9.14	114.3	8.32	0.13	26.80	7.00	3	/
C7A	20240516	Sunny	15:14	9.16	114.5	8.28	0.13	26.70	6.87	4	/
C7A	20240518	Sunny	11:39	6.49	81.6	8.06	0.15	26.00	5.48	6	/
C7A	20240518	Sunny	11:39	6.63	83.4	8.08	0.15	26.00	5.63	5.8	/
C7A	20240523	Cloudy	15:18	7.18	87.8	7.90	0.11	25.60	10.91	6	/
C7A	20240523	Cloudy	15:18	7.17	87.8	7.89	0.11	25.60	10.90	8	/
C7A	20240525	Cloudy	12:48	7.92	96.6	7.88	0.13	25.10	7.54	10	/
C7A	20240525	Cloudy	12:48	7.88	96.1	7.87	0.13	25.10	7.41	15	/
C7A	20240528	Cloudy	15:51	7.04	91.4	7.67	0.13	28.90	8.02	6	/
C7A	20240528	Cloudy	15:51	7.03	91.2	7.64	0.13	28.90	7.89	6	/
C7A	20240530	Cloudy	15:25	8.48	105.4	7.83	0.11	26.50	6.94	5	/
C7A	20240530	Cloudy	15:25	8.48	105.4	7.81	0.11	26.50	6.95	5	/



Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU)	SS (mg/L)	Remark
C8	20240502	Sunny	15:34	6.19	74.9	8.23	0.11	24.90	8.29	32	/
C8	20240502	Sunny	15:34	6.16	74.5	8.19	0.11	24.90	8.86	27	/
C8	20240507	Sunny	15:12	6.81	85.3	7.92	0.10	26.80	8.74	15	/
C8	20240507	Sunny	15:12	6.81	85.2	7.91	0.10	26.80	8.70	15	/
C8	20240509	Sunny	16:02	7.11	87.9	7.60	0.11	26.10	8.31	2	/
C8	20240509	Sunny	16:02	7.09	87.7	7.56	0.11	26.20	7.98	3	/
C8	20240511	Sunny	11:42	6.77	84.4	8.09	0.10	27.10	7.63	4	/
C8	20240511	Sunny	11:42	6.68	83.3	8.08	0.10	27.10	7.48	3	/
C8	20240514	Sunny	15:52	6.39	80.7	7.48	0.10	27.30	8.12	13	/
C8	20240514	Sunny	15:53	6.38	80.6	7.47	0.10	27.30	7.76	13	/
C8	20240516	Sunny	15:36	6.77	84.1	7.66	0.09	26.40	8.12	10	/
C8	20240516	Sunny	15:36	6.76	84.0	7.63	0.09	26.40	8.40	12	/
C8	20240518	Sunny	12:05	6.55	82.4	8.13	0.07	26.80	5.21	30	/
C8	20240518	Sunny	12:05	6.49	81.6	8.15	0.07	26.80	5.18	23	/
C8	20240523	Cloudy	15:45	6.10	74.9	7.64	0.10	25.80	11.47	13	/
C8	20240523	Cloudy	15:45	6.09	74.9	7.64	0.10	25.80	11.45	15	/
C8	20240525	Cloudy	13:10	6.14	74.9	7.35	0.10	25.90	6.22	5	/
C8	20240525	Cloudy	13:10	6.13	74.8	7.34	0.10	25.90	6.13	6	/
C8	20240528	Cloudy	16:05	6.77	86.5	7.60	0.11	28.00	7.49	19	/
C8	20240528	Cloudy	16:05	6.75	86.3	7.58	0.11	28.00	7.58	26	/
C8	20240530	Cloudy	15:51	7.17	88.6	7.58	0.11	26.10	6.56	11	/
C8	20240530	Cloudy	15:51	7.16	88.4	7.57	0.11	26.10	6.63	10	/



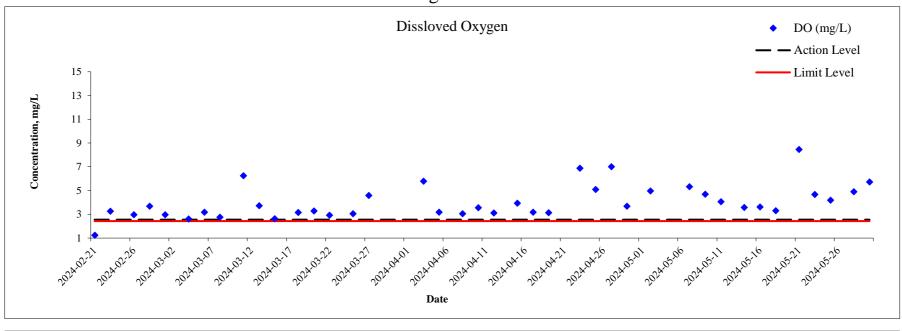
Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU)	SS (mg/L)	Remark
C9	20240502	Sunny	13:56	7.62	90.1	8.99	0.22	23.70	3.40	20	/
C9	20240502	Sunny	13:56	7.60	89.9	8.91	0.21	23.70	3.50	28	/
C9	20240507	Sunny	13:50	8.33	100.0	8.22	0.18	24.50	3.66	7	/
C9	20240507	Sunny	13:50	8.31	99.7	8.12	0.18	24.50	3.53	5	/
C9	20240509	Sunny	14:22	8.55	100.1	8.13	0.10	23.20	0.99	6	/
C9	20240509	Sunny	14:22	8.55	100.2	8.14	0.10	23.20	0.98	5	/
C9	20240511	Sunny	9:43	7.33	91.4	8.25	0.15	26.20	7.21	3	/
C9	20240511	Sunny	9:43	7.38	92.0	8.27	0.15	26.20	7.29	<2.5	/
C9	20240514	Sunny	14:02	8.60	100.8	8.03	0.07	23.30	4.82	20	/
C9	20240514	Sunny	14:02	8.58	100.5	8.00	0.08	23.20	4.70	14	/
C9	20240516	Sunny	13:58	8.38	96.7	8.17	0.26	22.40	7.05	17	/
C9	20240516	Sunny	13:59	8.38	96.6	8.16	0.26	22.40	7.15	15	/
C9	20240518	Sunny	10:16	7.48	94.1	8.22	0.14	26.40	6.36	10	/
C9	20240518	Sunny	10:16	7.55	95.0	8.24	0.14	26.40	6.18	8	/
C9	20240521	Cloudy	13:30	8.47	101.1	8.22	0.06	24.20	108.17	45	/
C9	20240521	Cloudy	13:30	8.47	101.1	8.22	0.06	24.20	107.97	37	/
C9	20240523	Cloudy	14:11	8.32	99.2	8.31	0.24	24.10	7.62	5	/
C9	20240523	Cloudy	14:11	8.32	99.2	8.31	0.24	24.10	7.60	5	/
C9	20240525	Cloudy	11:32	7.88	96.1	7.81	0.13	24.60	7.21	13	/
C9	20240525	Cloudy	11:32	7.93	96.7	7.82	0.13	24.60	7.48	10	/
C9	20240528	Cloudy	14:39	8.24	99.6	7.85	0.09	24.90	4.00	5	/
C9	20240528	Cloudy	14:39	8.23	99.6	7.82	0.09	24.90	4.21	5	/
C9	20240530	Cloudy	13:48	8.53	100.4	7.88	0.08	23.50	4.38	10	/
С9	20240530	Cloudy	13:48	8.53	100.3	7.85	0.08	23.50	4.26	10	/

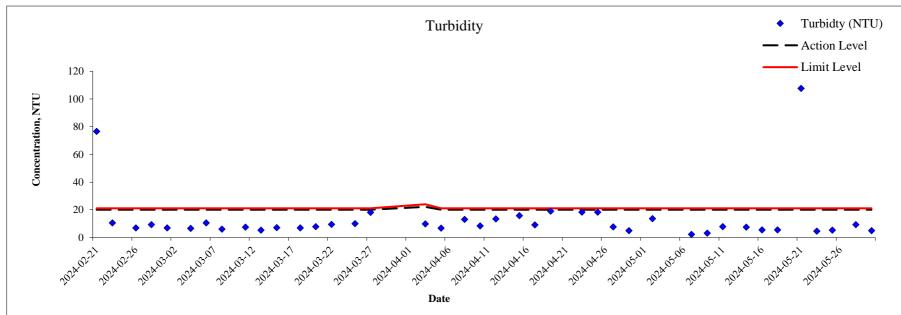


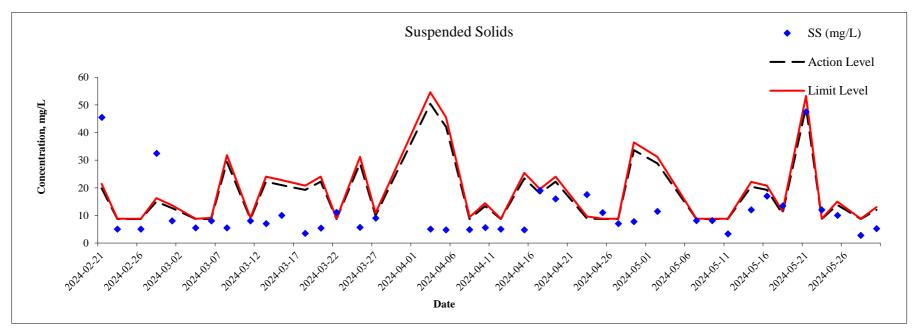
Location	Date	Weather	Time	DO (mg/L)	Do Saturation (%)	рН	Sal (ppt)	Temp (°C)	Turbidty (NTU)	SS (mg/L)	Remark
C10	20240502	Sunny	14:15	4.98	59.9	8.49	0.14	24.60	13.72	10	/
C10	20240502	Sunny	14:15	4.95	59.5	8.47	0.14	24.60	13.39	13	/
C10	20240507	Sunny	14:05	5.34	65.3	7.82	0.10	25.50	2.22	10	/
C10	20240507	Sunny	14:05	5.31	65.0	7.80	0.10	25.50	2.21	6	/
C10	20240509	Sunny	14:39	4.70	57.4	7.63	0.11	25.50	3.35	10	/
C10	20240509	Sunny	14:39	4.71	57.5	7.65	0.11	25.50	3.05	6	/
C10	20240511	Sunny	10:01	4.12	51.4	8.35	0.07	25.90	7.88	4	/
C10	20240511	Sunny	10:01	4.01	49.9	8.35	0.07	25.90	7.93	3	/
C10	20240514	Sunny	14:23	3.60	44.9	7.45	0.11	26.70	7.44	14	/
C10	20240514	Sunny	14:23	3.57	44.6	7.44	0.11	26.70	7.53	10	/
C10	20240516	Sunny	14:20	3.66	44.6	7.69	0.13	25.40	5.60	18	/
C10	20240516	Sunny	14:20	3.59	43.8	7.68	0.13	25.40	5.58	16	/
C10	20240518	Sunny	10:34	3.28	41.3	8.24	0.11	26.30	5.34	15	/
C10	20240518	Sunny	10:34	3.33	41.9	8.27	0.11	26.30	5.63	12	/
C10	20240521	Cloudy	13:43	8.48	101.0	8.37	0.06	24.20	106.51	47	/
C10	20240521	Cloudy	13:43	8.47	101.0	8.47	0.06	24.20	108.86	48	/
C10	20240523	Cloudy	14:26	4.69	57.4	7.86	0.11	25.60	4.68	10	/
C10	20240523	Cloudy	14:26	4.68	57.3	7.85	0.11	25.60	4.69	14	/
C10	20240525	Cloudy	11:50	4.21	51.4	7.81	0.12	24.60	5.23	10	/
C10	20240525	Cloudy	11:50	4.18	51.0	7.82	0.12	24.60	5.48	10	/
C10	20240528	Cloudy	14:53	4.91	60.7	7.56	0.10	26.10	9.78	3	/
C10	20240528	Cloudy	14:53	4.9	60.6	7.56	0.10	26.10	8.93	<2.5	/
C10	20240530	Cloudy	14:06	5.74	68.6	7.49	0.07	24.30	4.94	6	/
C10	20240530	Cloudy	14:07	5.72	68.4	7.47	0.07	24.30	4.93	4	/

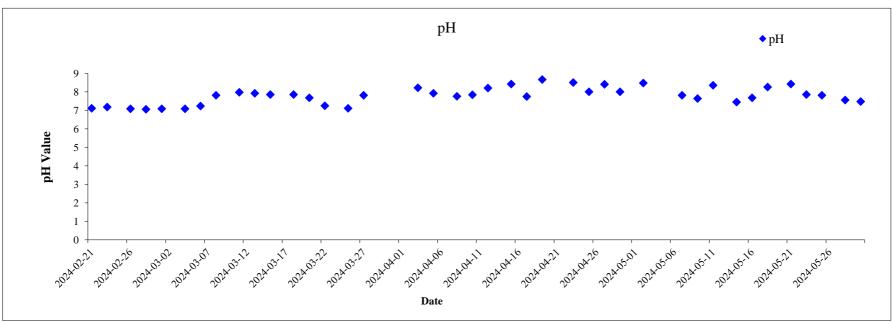


Monitoring Location: C10



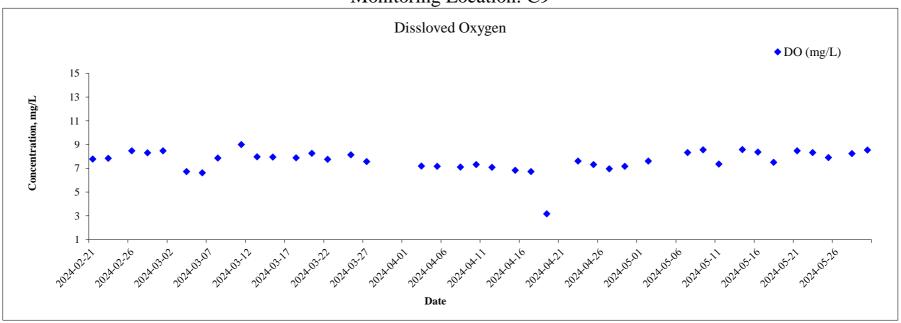


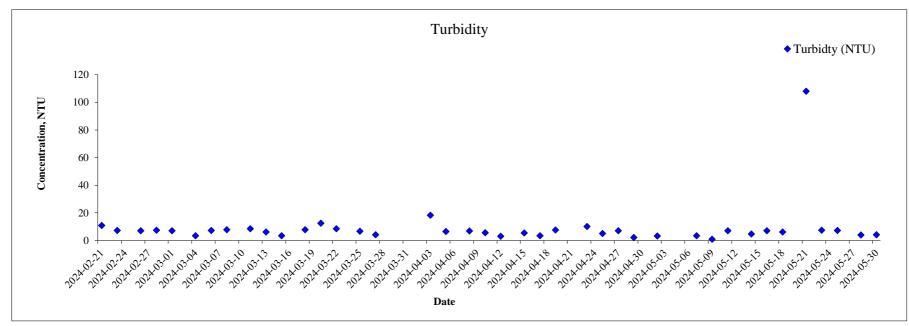


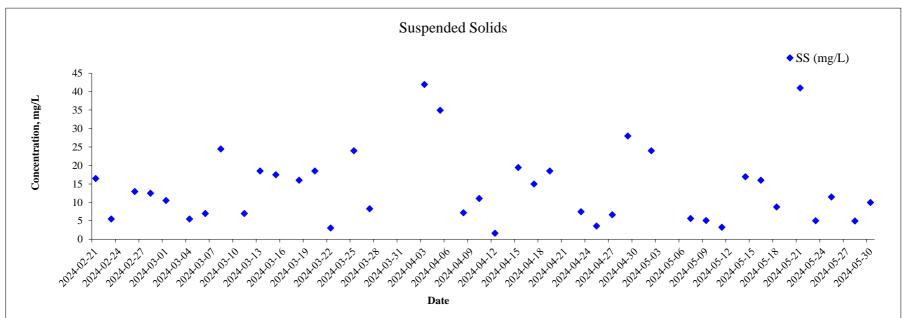


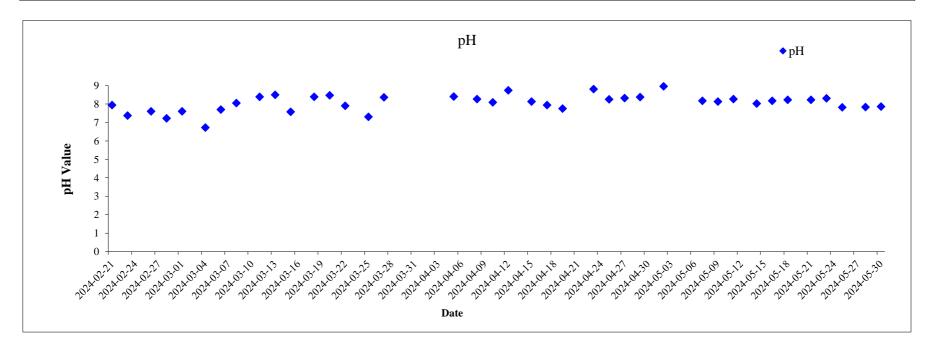






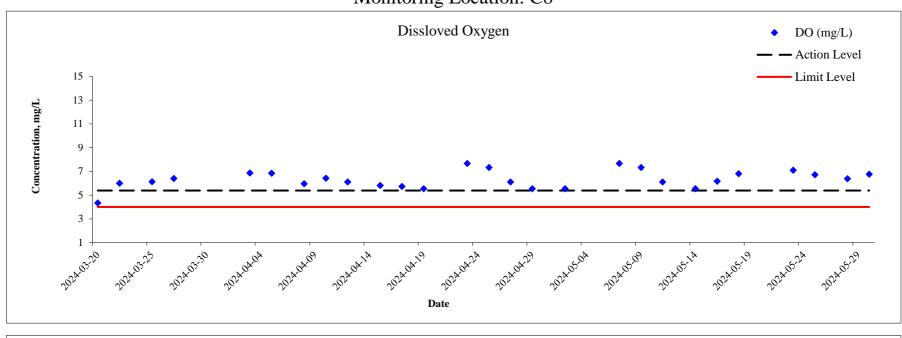


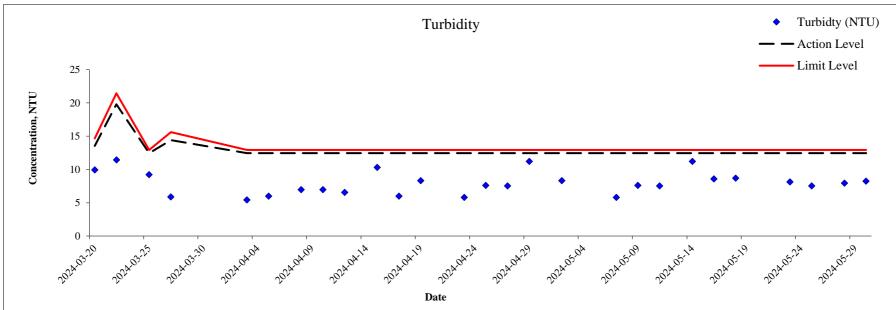


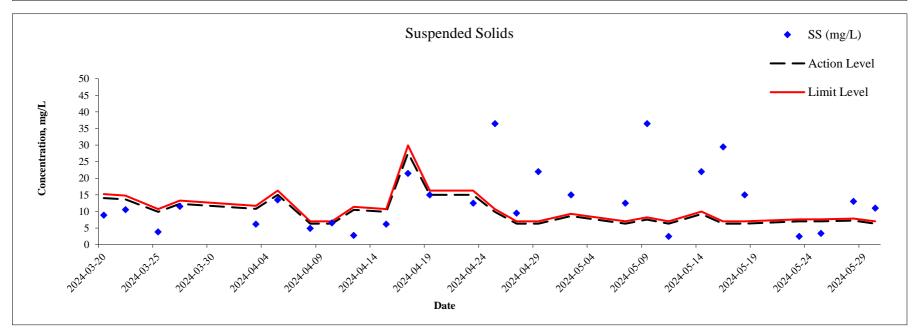


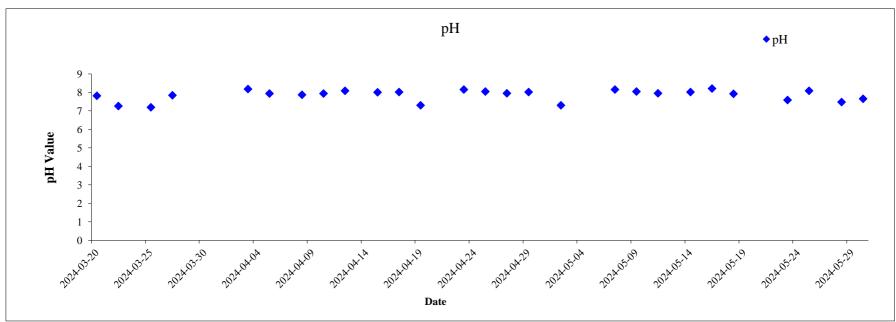






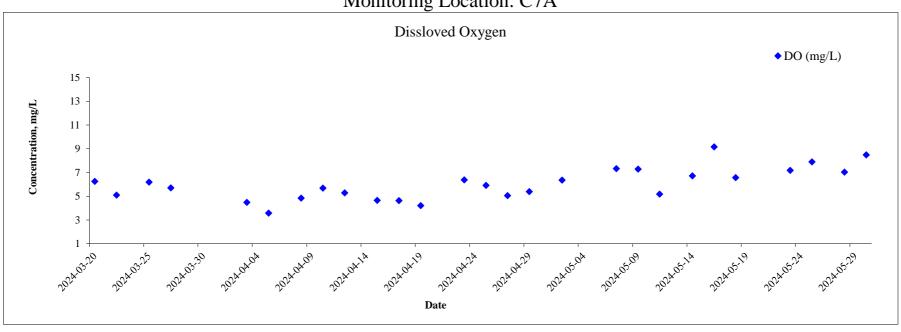


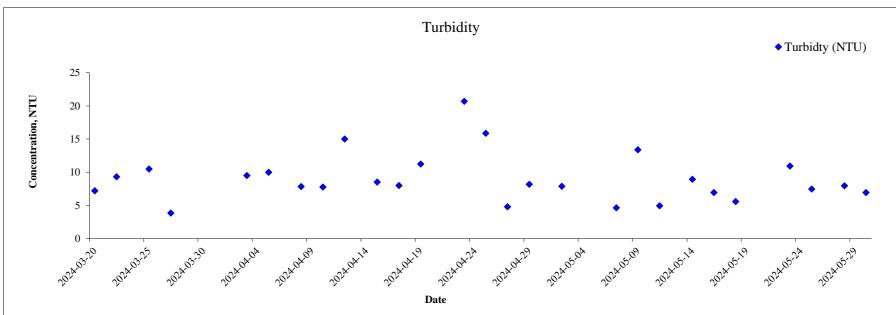


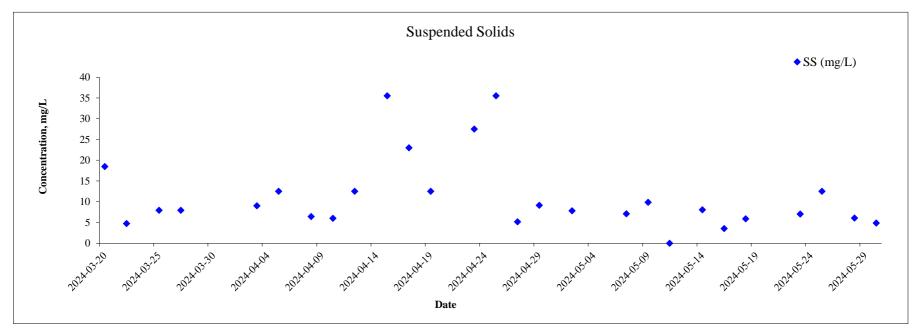


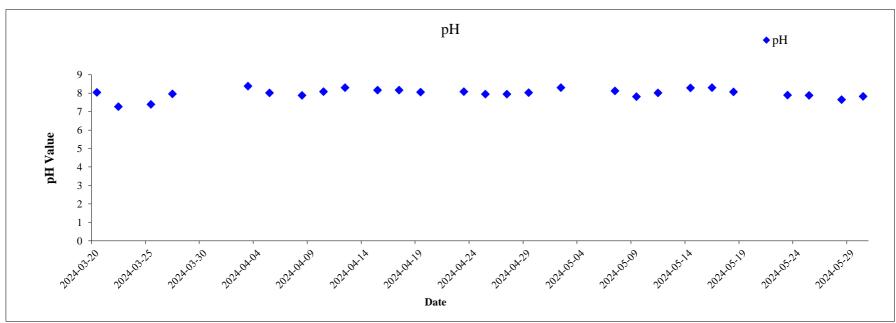






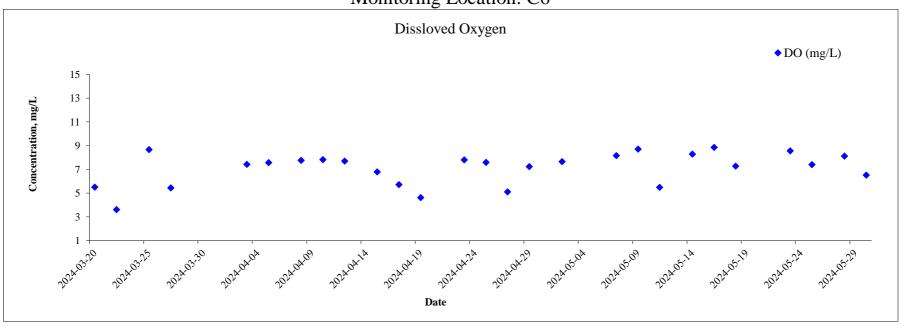


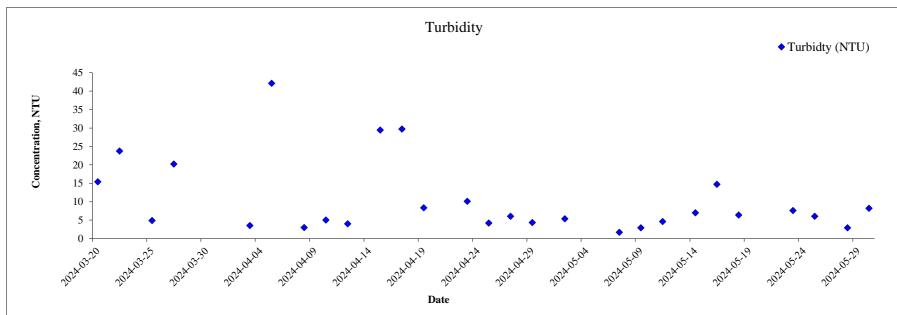


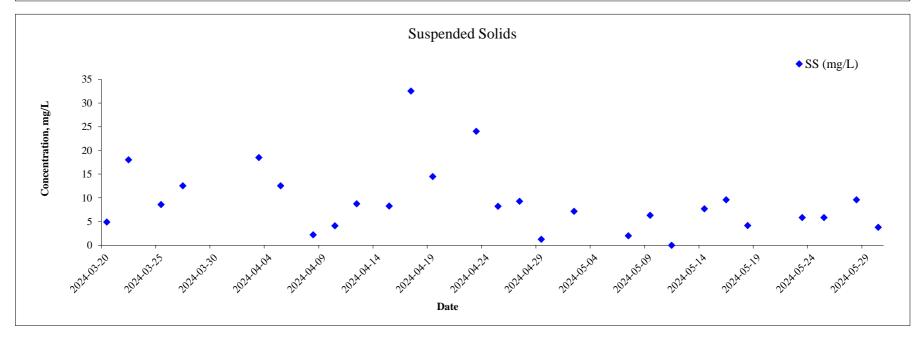


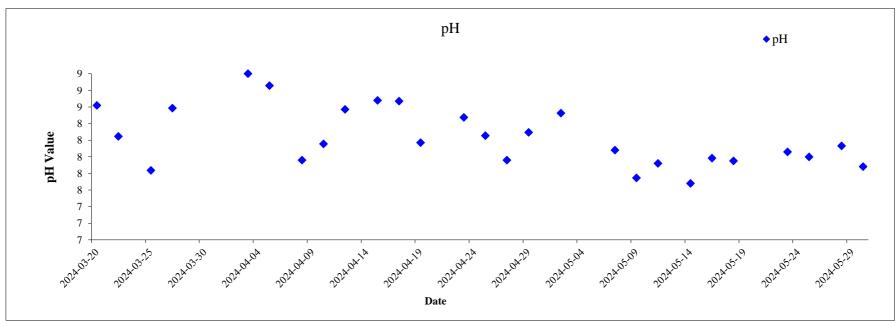






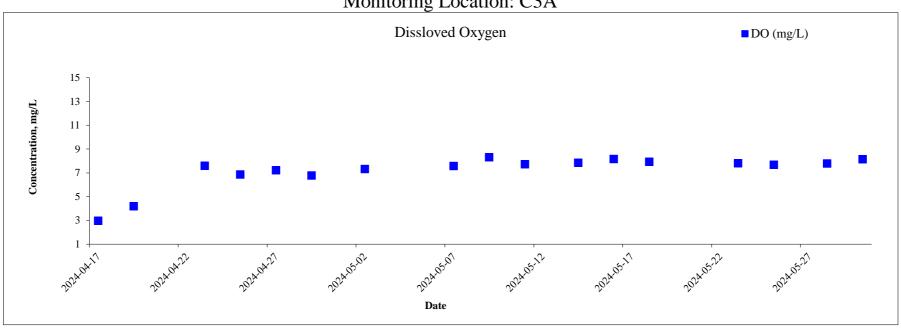


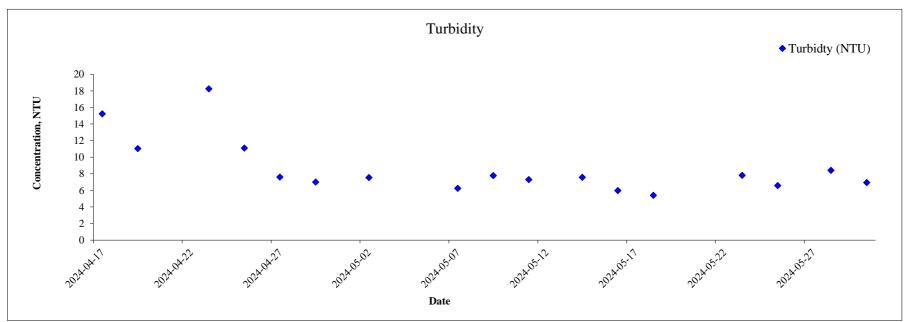


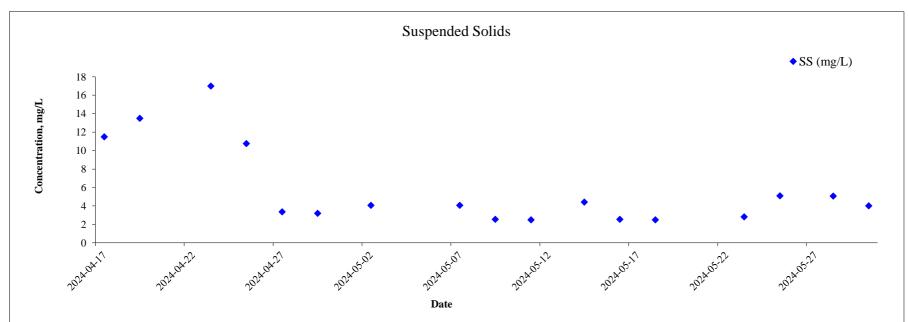


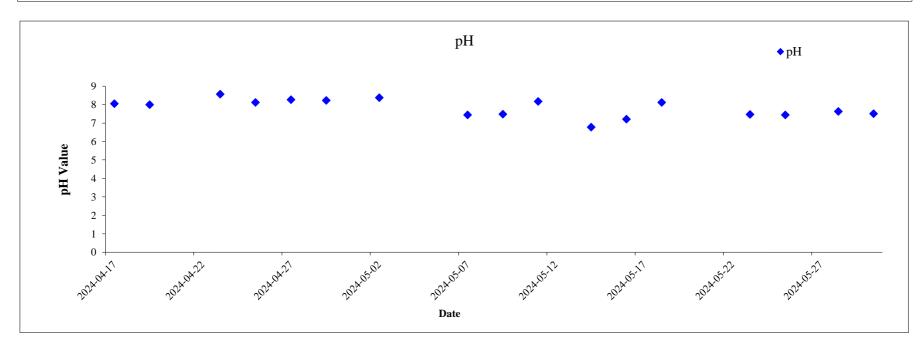






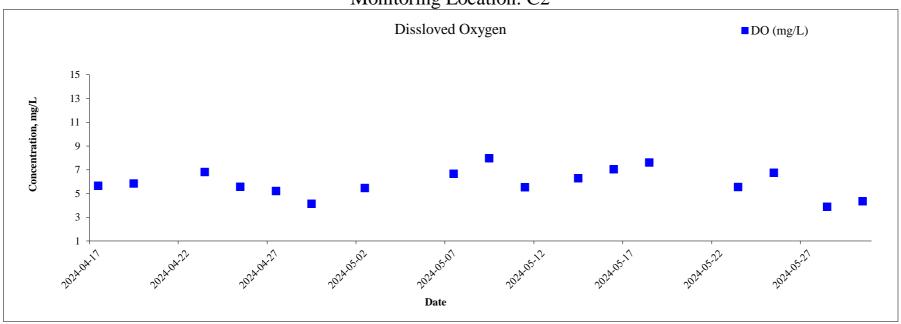


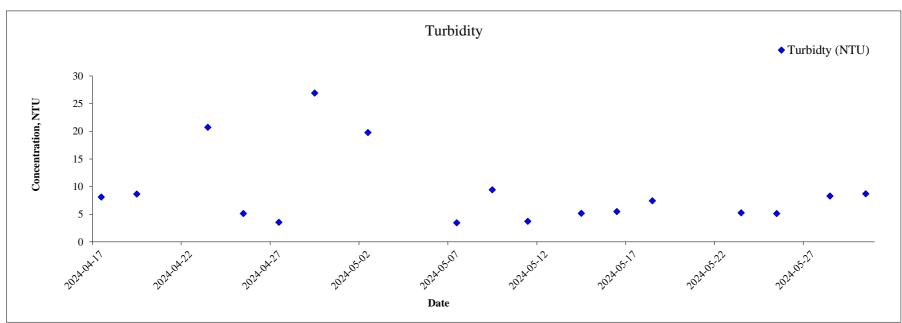


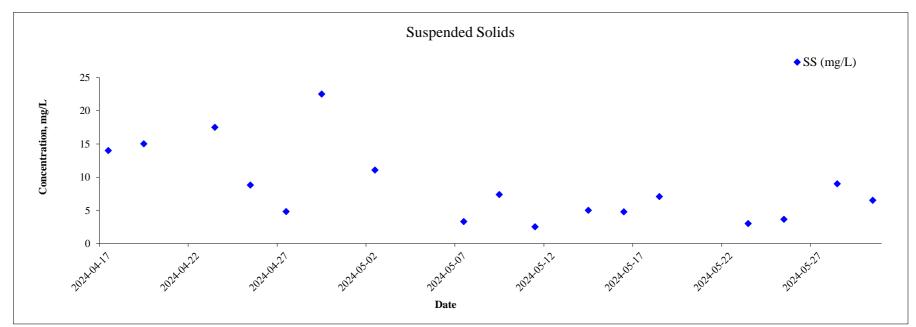


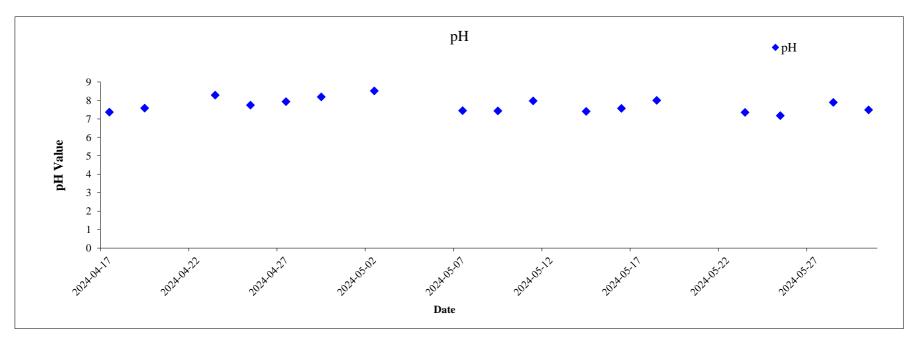






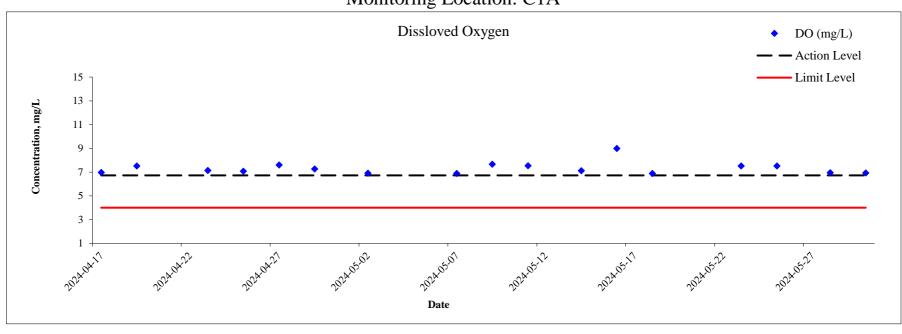


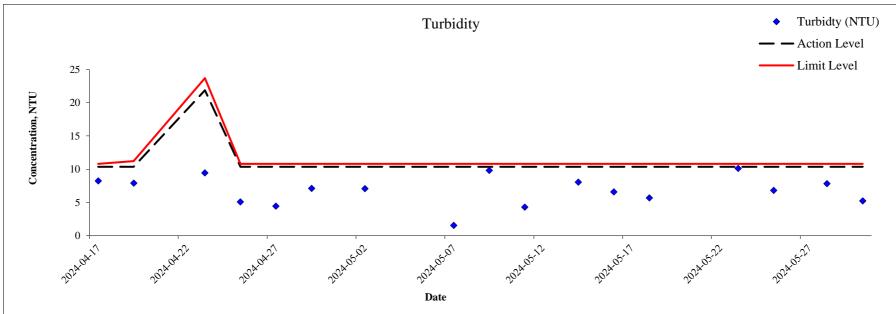


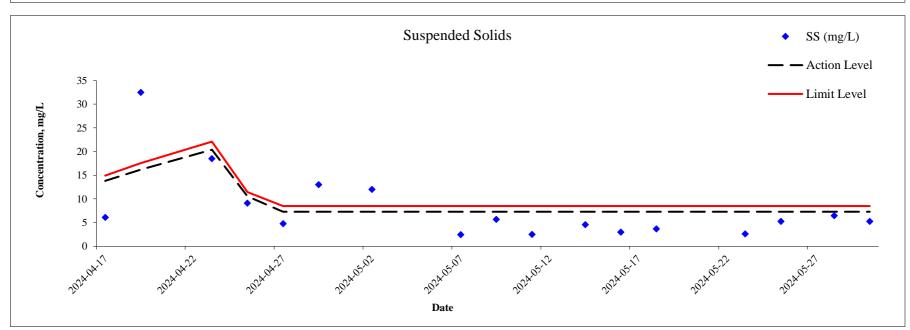


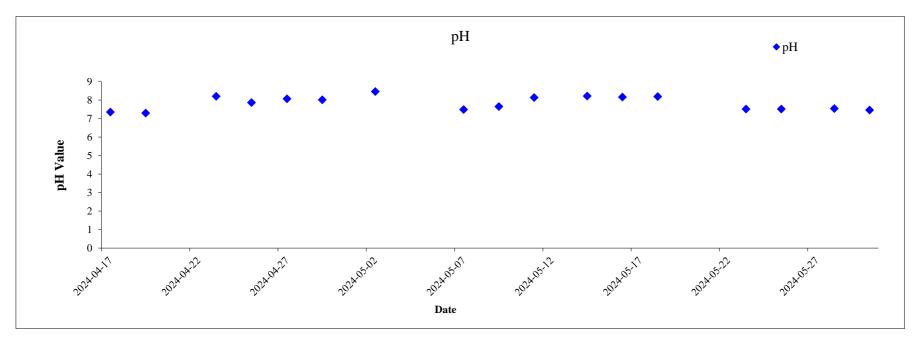












Appendix 3.1	Calibration Certificates of Impact Noise Monitoring Equipment



Certificate of Calibration

for

Description:

Sound Level Calibrator

Manufacturer:

RION

Type No.:

NC-75

Serial No.:

34724244

Submitted by:

Customer:

Acuity Sustainability Consulting Limited

Address:

Unit E, 12/F, Ford Glory Plaza,

Nos. 37-39 Wing Hong Street,

Cheung Sha Wan, Kowloon,

Hong Kong

Upon receipt for calibration, the instrument was found to be:

Within

☐ Outside

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 27 July 2023

Date of calibration: 3 August 2023

Date of NEXT calibration: 2 August 2024

Calibrated by:

Calibration Technician

Certified by:

Mr. Ng Yan Wa

Laboratory Manager

Date of issue: 3 August 2023

Certificate No.: APJ23-049-CC004

Page 1 of 2



1. Calibration Precautions:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

2. Calibration Specifications:

Calibration check

3. Calibration Conditions:

Air Temperature:	22.6 ° C
Air Pressure:	1006 hP a
Relative Humidity:	52.9 %

4. Calibration Equipment:

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV220061	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV220120	HOKLAS

5. Calibration Results

5.1 Sound Pressure Level

Nominal value	Accept lower level	Accept upper level	Measured value	
dB	dB	dB	dB	
94.0	93.6	94.4	94.0	

Note:

The values given in this certification only related to the values measured at the time of the calibration.



Certificate No.: APJ23-049-CC004

Certificate of Calibration

for

Description:

Sound Level Meter

Manufacturer:

SVANTEK

Type No.:

SVAN 971 (Serial No.:C132269)

Microphone:

ACO 7052 E (Serial No.: 85230)

Preamplifier:

SVANTEK SV-18 (Serial No.:C122483)

Submitted by:

Customer:

Acuity Sustainability Consulting Limited

Address:

Unit E, 12/F, Ford Glory Plaza,

Nos. 37-39 Wing Hong Street,

Cheung Sha Wan, Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

☑ Within (31.5Hz – 8kHz)

☐ Outside

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 19 October 2023

Date of calibration: 26 October 2023

Date of NEXT calibration: 25 October 2024

Calibrated by:__

Calibration Technician

Certified by:

E-mail: inquiry@aa-lab.com

Mr. Ng Yan Wa Laboratory Manager

Date of issue: 27 October 2023

Certificate No.: APJ23-091-CC003

Page 1 of 4

Homepage: http://www.aa-lab.com



1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

2. Calibration Conditions:

Air Temperature:

22.6°C

Air Pressure:

1016 hPa

Relative Humidity:

65.3 %

3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

Multifunction Calibrator

B&K 4226

2288467

AV220061

HOKLAS

4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25-124.9	dBA	SPL	Fast	94	1000	94.3	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.3	Ref
25-124.9	dBA	SPL	Fast	104	1000	104.3	±0.3
				114		114.3	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting/	Time Weighting	Level, dB Frequency, Hz		dB	Specification, dB
25-124.9	4D V	CDI	Fast	0.4	1000	94.3	Ref
23-124.9	dBA SPL	Slow	94	1000	94.3	±0.3	

Certificate No.: APJ23-091-CC003

Page 2 of 4

Homepage: http://www.aa-lab.com



Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				31.5	94.6	±2.0
				63	95.2	±1.5
				125	94.5	±1.5
				250	94.3	±1.4
25-124.9	dB SPL	Fast	94	500	94.3	±1.4
				1000	94.3	Ref
				2000	94.5	±1.6
				4000	94.2	±1.6
				8000	91.1	+2.1; -3.1

A-weighting

Setting of Unit-under-test (UUT)			App	Applied value		IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				31.5	55.3	-39.4 ±2.0
				63	68.4	-26.2 ±1.5
				125	78.3	-16.1 ±1.5
				250	85.7	-8.6 ±1.4
25-124.9	dBA SPL	Fast	94	500	91.1	-3.2 ±1.4
				1000	94.3	Ref
				2000	95.3	+1.2 ±1.6
				4000	94.9	+1.0 ±1.6
				8000	89.8	-1.1 +2.1; -3.1

C-weighting

Setting of Unit-under-test (UUT)			App	Applied value		IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				31.5	91.7	-3.0 ±2.0
				63	94.4	-0.8 ±1.5
				125	94.3	-0.2 ±1.5
				250	94.3	-0.0 ±1.4
25-124.9	dBC SPL	Fast	94	500	94.3	-0.0 ±1.4
				1000	94.3	Ref
				2000	94.3	-0.2 ±1.6
			2	4000	93.4	-0.8 ±1.6
				8000	88.3	-3.0 +2.1; -3.1

Certificate No.: APJ23-091-CC003



Page 3 of 4

Homepage: http://www.aa-lab.com E-mail:inquiry@aa-lab.com

5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

	T	
94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
= - 1	1000 Hz	± 0.05
= 1	2000 Hz	± 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.

Certificate No.: APJ23-091-CC003



Certificate of Calibration

for

Description:

Sound Level Meter

Manufacturer:

SVANTEK

Type No.:

971 (Serial No.: 96062)

Microphone:

13905

Preamplifier:

SVANTEK SV 18 (Serial No.:C132231)

Submitted by:

Customer:

Acuity Sustainability Consulting Limited

Address:

Unit E, 12/F., Ford Glory Plaza,

Nos. 37-39 Wing Hong Street,

Cheung Sha Wan, Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

Within (31.5Hz – 8kHz)

Outside

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 27 July 2023

Date of calibration: 3 August 2023

Date of NEXT calibration: 2 August 2024

Calibrated by:

Calibration Technician

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Date of issue: 3 August 2023

Certificate No.: APJ23-049-CC001

(A+A) *L

Page 1 of 4



Calibration Precaution: 1.

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

2. Calibration Conditions:

Air Temperature:

22.6°C

Air Pressure:

1006 hPa

Relative Humidity:

52.9 %

3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

Multifunction Calibrator

B&K 4226

2288467

AV220061

HOKLAS

4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
25.0-124.2	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Sett	ing of Ur	nit-under-t	est (UUT)	Appl	lied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting		Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
25.0-124.2	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

Time Weighting

Sett	ing of Uni	t-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. Weighting Time Weighting		Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB	
25.0.124.2	JD 4	CDI	Fast	0.4	1000	94.0	Ref	
25.0-124.2	dBA	SPL	Slow	94	1000	94.0	±0.3	

Certificate No.: APJ23-049-CC001



Page 2 of 4



Frequency Response

Linear Response

Sett	ing of Uni	it-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB Frequency, Hz		dB	Specification, dB
					31.5	94.3	±2.0
					63	94.2	±1.5
					125	94.1	±1.5
25.0-124.2 dB				250	94.1	±1.4	
	dB	SPL	Fast	94	500	94.0	±1.4
					1000	94.0	Ref
					2000	93.7	±1.6
					4000	93.1	±1.6
					8000	91.9	+2.1; -3.1

A-weighting

Setti	ing of Uni	t-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting		Time Weighting	Level, dB Frequency, Hz		dB	Specification, dB
					31.5	55.3	-39.4 ±2.0
					63	68.2	-26.2 ±1.5
					125	78.0	-16.1 ±1.5
				250	85.4	-8.6 ±1.4	
25.0-124.2 dBA SPI	dBA	A SPL	Fast	94	500	90.8	-3.2 ±1.4
				1000	94.0	Ref	
				2000	94.9	+1.2 ±1.6	
					4000	94.1	+1.0 ±1.6
					8000	90.9	-1.1+2.1; -3.1

C-weighting

Sett	ing of Ur	nit-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting		Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.3	-3.0 ±2.0
					63	93.3	-0.8 ±1.5
				94	125	93.9	-0.2 ±1.5
					250	94.0	-0.0 ±1.4
25.0-124.2	dBC	SPL	Fast		500	94.0	-0.0 ±1.4
		dBC SPL			1000	94.0	Ref
				2000	93.6	-0.2 ±1.6	
					4000	92.4	-0.8 ±1.6
					8000	89.1	-3.0 +2.1: -3.1

Certificate No.: APJ23-049-CC001



Page 3 of 4



5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

31.5 Hz	± 0.05
63 Hz	± 0.05
125 Hz	± 0.05
250 Hz	± 0.05
500 Hz	± 0.05
1000 Hz	± 0.05
2000 Hz	± 0.05
4000 Hz	± 0.05
8000 Hz	± 0.10
1000 Hz	± 0.05
1000 Hz	± 0.05
	63 Hz 125 Hz 250 Hz 500 Hz 1000 Hz 2000 Hz 4000 Hz 8000 Hz 1000 Hz

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)*L shall not be liable for any loss or damage resulting from the use of the equipment.

Certificate No.: APJ23-049-CC001



Page 4 of 4

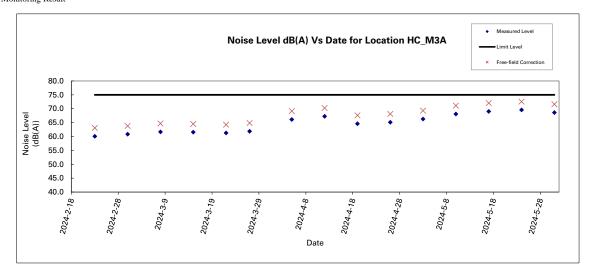
Appendix 3.2	Event and Action Plan for Noise Exceedance	

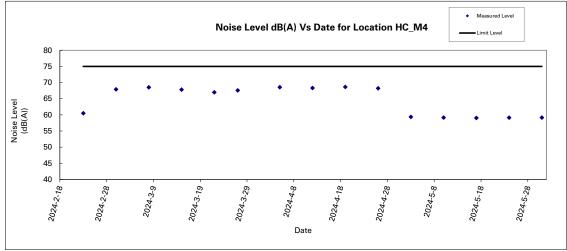
Event and Action Plan for Noise

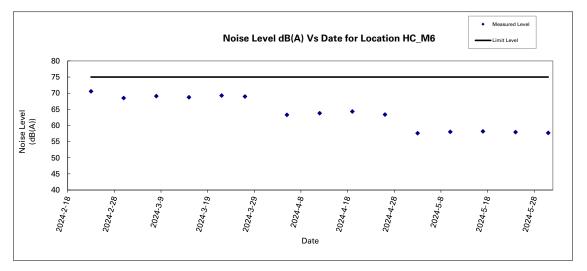
Event	ET	IEC	ER	Contractor
Action Level	 Notify ER, IEC and Contractor; Carry out investigation; Report the results of investigation to the IEC, ER and Contractor; Discuss with the IEC and the Contractor and formulate remedial measures; and Increase monitoring frequency to check the effectiveness of mitigation measures. 	Review the investigation results submitted by the ET; Review the proposed remedial measures by the Contractor and advise the ER accordingly; and Advise the ER on the effectiveness of the proposed remedial measures.	Confirm receipt of notification of failure in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; and Supervise the implementation of remedial measures.	Submit noise mitigation proposals to IEC and ER; and Implement noise mitigation proposals.
Limit Level	 Notify IEC, ER, EPD, and Contractor; Identify source and investigate the cause of exceedance; Repeat measurement to confirm findings; Increase monitoring frequency; Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; Discuss with the IEC, Contractor and ER on remedial measures required; Assess the effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and If exceedance stops, cease additional monitoring. 	1. Discuss amongst ER, and Contractor on the potential remedial actions; and 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.	 Confirm receipt of notification of failure in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; Supervise the implementation of remedial measures; and If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. 	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; and 5. Stop the relevant portion of works as determined by ER, until the exceedance is abated.

Appendix 3.3	Impact Noise Monitoring Data	

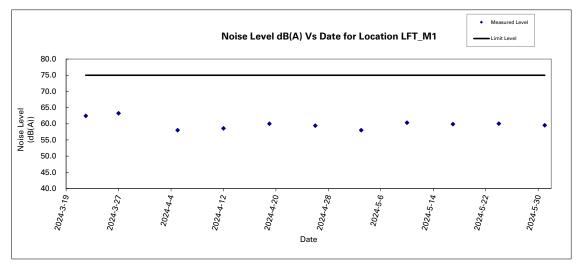


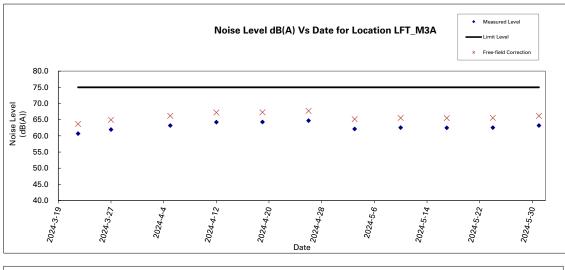


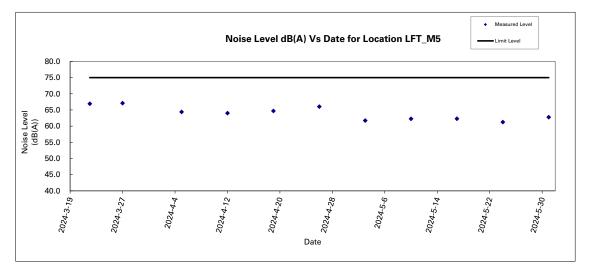




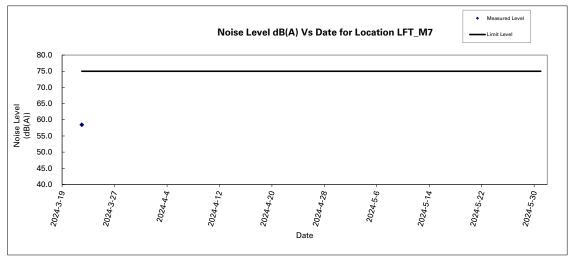


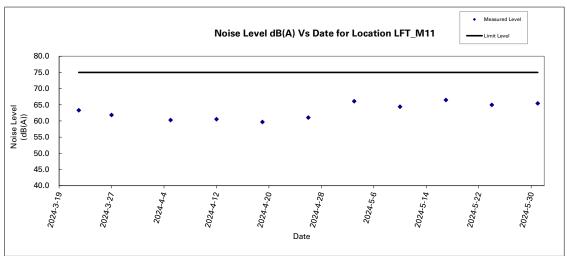




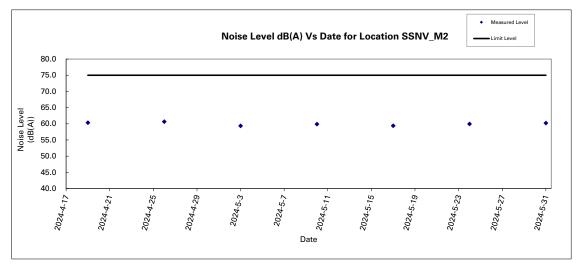


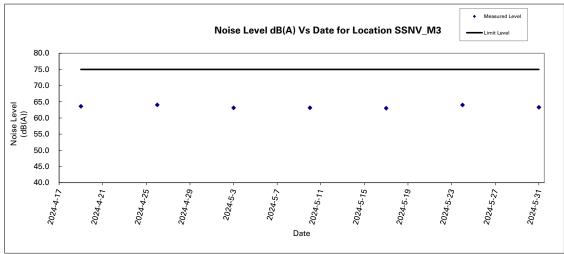


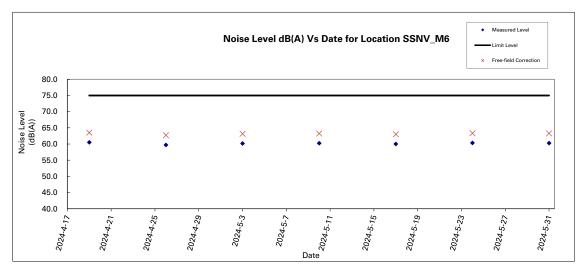












Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Noise Monitoring Result



Noise Level Results at HC_M3a

							Leq-5min	, dB(A)			Leq-	Leq-30min with	
											30min,	free-field	
Date	Time		Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	dB(A)	correction, dB(A)		
03/05/2024	8:03		8:33	Fine	65.9	66.2	66.5	66.3	66.4	66.5	66.3	69.3	
10/05/2024	8:16	-	8:46	Fine	67.8	68.1	68.3	68.2	68.1	68.2	68.1	71.1	
17/05/2024	8:02	-	8:32	Fine	69.1	68.8	68.9	69.0	69.1	69.3	69.0	72.0	
24/05/2024	8:32	-	9:02	Cloudy	68.9	69.5	69.7	69.6	69.8	69.9	69.6	72.6	
31/05/2024	8:11	-	8:41	Cloudy	68.4	68.6	68.7	68.6	68.7	68.8	68.6	71.6	
				-							Max	Min	
											72.6	69.3	

Noise Level Results at HC_M4

							Leq-5min	, dB(A)			Leq-
											30min,
Date	Time		Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	dB(A)	
03/05/2024	8:42	-	9:12	Fine	59.5	59.3	59.4	59.4	59.3	59.3	59.4
10/05/2024	8:52	-	9:22	Fine	59.1	59.2	59.1	59.3	59.2	59.1	59.2
17/05/2024	8:46	-	9:16	Fine	58.9	59.0	59.1	59.0	59.1	59.2	59.1
24/05/2024	9:16	-	9:46	Cloudy	59.2	59.1	59.2	59.0	59.1	59.2	59.1
31/05/2024	8:56	-	9:26	Cloudy	58.7	58.6	58.7	59.7	59.6	59.6	59.2
-										Max	Min
										59 4	59 1

Noise Level Results at HC_M6

							Leq-5min	, dB(A)			Leq-
Date		Time		Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	30min, dB(A)
03/05/2024	9:18	-	9:48	Fine	57.9	57.6	57.5	57.5	57.6	57.6	57.6
10/05/2024	9:39	-	10:09	Fine	58.1	58.0	57.9	58.0	58.1	58.1	58.0
17/05/2024	9:26	-	9:56	Fine	58.5	58.3	58.1	58.0	58.1	58.0	58.2
24/05/2024	10:06	-	10:36	Cloudy	57.8	57.9	58.1	58.0	57.9	57.9	57.9
31/05/2024	9:39	-	10:09	Cloudy	57.2	57.8	57.9	57.8	57.8	57.7	57.7
						-	-	_		Max	Min
										58.2	57.6

Contract No. DC/2022/02 Drainage Improvement Works at Yuen Long -Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Noise Monitoring Result



Noise Level Results at LFT_M1

							Leq-5min	, dB(A)			Leq-
Date		Time	<u>.</u>	Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	30min, dB(A)
03/05/2024	14:45	T_T	15:15	Fine	57.9	56.9	58.2	58.0	57.6	59.1	58.0
		+									
10/05/2024	14:35		15:05	Fine	60.1	61.2	59.6	59.9	60.1	60.8	60.3
17/05/2024	14:21	-	14:51	Fine	58.6	59.2	59.6	60.2	60.6	60.7	59.9
24/05/2024	14:42	-	15:12	Cloudy	59.2	58.6	60.2	61.1	60.9	59.7	60.0
31/05/2024	13:52	-	14:22	Cloudy	58.7	59.6	59.2	60.3	58.7	60.3	59.5
-				-						Max	Min
										60.3	58.0

Noise Level Results at LFT_M3A

						Leq-5min	, dB(A)			Leq-	Leq-30min with	
											30min,	free-field
Date	7	Γim	e	Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	dB(A)	correction, dB(A)
03/05/2024	13:55	-	14:25	Fine	60.8	63.7	61.5	61.6	60.6	63.5	62.1	65.1
10/05/2024	13:48	-	14:18	Fine	61.0	64.1	63.0	61.1	62.0	63.1	62.5	65.5
17/05/2024	13:22	-	13:52	Fine	61.6	63.7	60.8	63.7	62.6	61.6	62.5	65.5
24/05/2024	13:52	-	14:22	Cloudy	63.8	62.7	60.7	62.6	63.7	60.7	62.5	65.5
31/05/2024	13:03	-	13:33	Cloudy	61.5	62.6	62.7	63.6	63.6	64.5	63.2	66.2
											Max	Min
											66.2	65.1

Noise Level Results at LFT_M5

							Leq-5min	, dB(A)			Leq-
Date	7	Time	!	Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	30min <i>,</i> dB(A)
03/05/2024	13:15	-	13:45	Fine	62.2	62.3	60.2	61.1	62.1	62.0	61.7
10/05/2024	13:06	-	13:36	Fine	61.3	63.1	60.2	63.1	62.1	63.0	62.3
17/05/2024	11:18	-	11:48	Fine	61.7	60.5	63.5	62.4	61.5	63.4	62.3
24/05/2024	13:06	-	13:36	Cloudy	61.1	62.2	61.2	62.1	60.2	60.2	61.2
31/05/2024	11:28	-	11:58	Cloudy	61.8	63.9	63.8	60.7	62.8	62.8	62.8
										Max	Min
										62.8	61.2

Noise Level Results at LFT_M11

				Leq-5min, dB(A)							Leq-
Date	т	ime	2	Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	30min <i>,</i> dB(A)
03/05/2024	11:12	-	11:42	Fine	65.9	66.1	66	66.1	66.2	66.3	66.1
10/05/2024	10:46	-	11:16	Fine	64.2	64.5	64.4	64.4	64.5	64.4	64.4
17/05/2024	10:39	-	11:09	Fine	66.7	66.5	66.4	66.3	66.4	66.5	66.5
24/05/2024	11:19	-	11:49	Cloudy	64.8	64.9	64.8	65.0	65.1	65.1	65.0
31/05/2024	10:49	-	11:19	Cloudy	65.3	65.4	65.5	65.4	65.5	65.6	65.5
		•	•							Max	Min
										66.5	64.4

Contract No. DC/2022/02 Drainage Improvement Works at Yuen Long -Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che Noise Monitoring Result



Noise Level Results at SSNV_M2

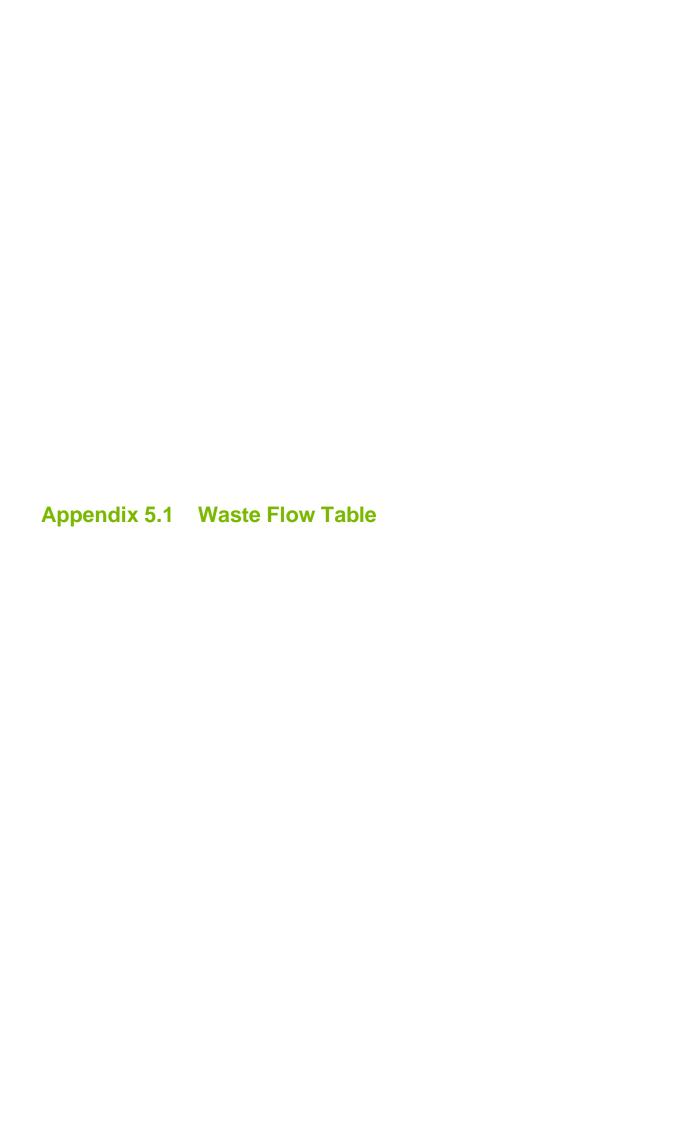
						Leq-5min, dB(A)						
Date	7	Tim	e	Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	30min, dB(A)	
03/05/2024	15:56	-	16:26	Fine	60.0	59.6	58.7	58.7	59.8	59.2	59.4	
10/05/2024	15:47	-	16:17	Fine	60.9	60.7	59.2	58.7	59.3	60.1	59.9	
17/05/2024	15:48	-	16:18	Fine	60.0	59.5	58.4	59.4	59.8	59.2	59.4	
24/05/2024	15:59	-	16:29	Cloudy	61.8	59.5	60.2	58.7	59.4	59.5	60.0	
31/05/2024	15:36	-	16:06	Cloudy	60.0	62.0	58.4	58.8	60.2	60.9	60.2	
				-						Max	Min	
										60.2	59.4	

Noise Level Results at SSNV_M3

					Leq-5min, dB(A)						
				[30min,
Date	•	Tim	е	Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	dB(A)
03/05/2024	16:39	-	17:09	Fine	61.1	63.1	64.7	62.0	63.5	63.4	63.1
10/05/2024	16:24	-	16:54	Fine	61.9	64.7	63.7	62.0	62.6	63.3	63.2
17/05/2024	16:26	-	16:56	Fine	61.8	64.0	63.9	62.1	63.0	62.8	63.0
24/05/2024	16:43	-	17:13	Cloudy	62.1	65.2	64.7	62.6	64.1	64.5	64.0
31/05/2024	16:22	-	16:52	Cloudy	61.2	62.8	64.6	62.3	64.0	64.0	63.3
										Max	Min
										64.0	63.0

Noise Level Results at SSNV_M6

							Leq-5min	, dB(A)			Leq-	Leq-30min with
											30min,	free-field
Date	•	Tim	ie	Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	dB(A)	correction, dB(A)
03/05/2024	17:20	-	17:50	Fine	58.4	60.7	61.9	59.9	60.2	59.0	60.2	63.2
10/05/2024	17:12	-	17:42	Fine	59.6	61.1	60.5	61.2	59.9	58.9	60.3	63.3
17/05/2024	17:11	-	17:41	Fine	61.1	59.6	60.9	59.9	59.0	59.3	60.0	63.0
24/05/2024	17:31	-	18:01	Cloudy	59.9	59.6	60.5	61.3	59.0	61.2	60.3	63.3
31/05/2024	17:16	-	17:46	Cloudy	60.1	59.1	60.7	60.6	59.0	61.6	60.3	63.3
											Max	Min
											63.3	63.0

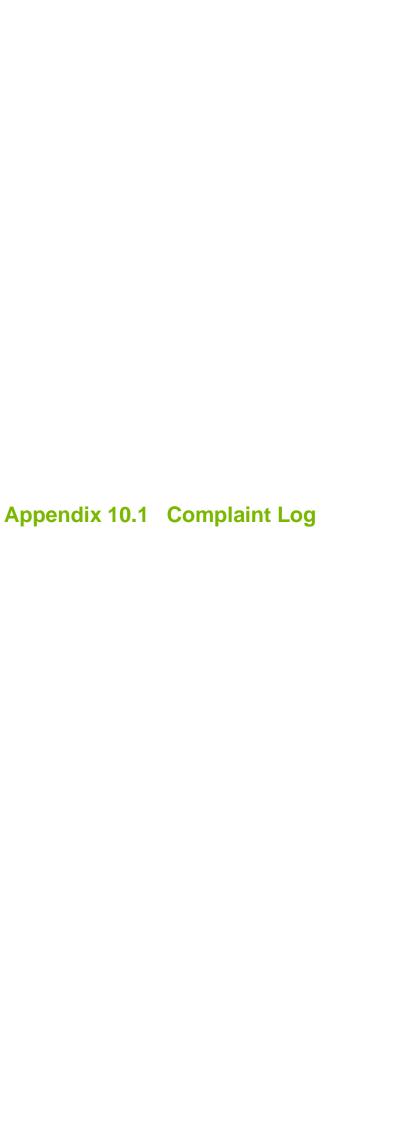


Contract No.: DC/2022/02

Monthly Summary Waste Flow Table

	Ac	tual Quantitie	s of Inert C&D	Materials Ge	nerated Montl	nly	Actua	al Quantities o	f C&D Wastes	s Generated M	Ionthly
Month	Total Quantity of Materials Generated	Hard Rock, 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 '000 m ³)	(in '000 m ³)	(in '000 m ³)	(in '000 m ³)	(in '000 m ³)	$(in '000 m^3)$	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 m ³)
Feb	0.053	0.046	0.000	0.000	0.053	0.000	0.000	0.000	0.000	0.000	0.030
Mar	0.437	0.098	0.000	0.000	0.437	0.000	0.000	0.000	0.000	0.000	0.055
Apr	1.040	0.305	0.000	0.000	1.040	0.000	0.000	0.000	0.000	0.000	0.000
May	0.498	0.038	0.000	0.000	0.498	0.000	0.000	0.000	0.000	0.000	0.002
June	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Half Year Sub-total	2.028	0.487	0.000	0.000	2.028	0.000	0.000	0.000	0.000	0.000	0.087
July	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
November	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
December	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2024 Total	2.028	0.487	0.000	0.000	2.028	0.000	0.000	0.000	0.000	0.000	0.087
Jan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
June	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Half Year Sub-total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
July	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
November	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
December	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2025 Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Accumulated Total	2.028	0.487	0.000	0.000	2.028	0.000	0.000	0.000	0.000	0.000	0.087

Remarks: 1 tonne = 2m³





Statistical Summary of Environmental Complaints

Reporting	E	Environmental Complaint Statistics								
Period	Frequency	Cumulative	Complaint Nature							
1 May 2024 - 31 May 2024	0	0	N/A							

Statistical Summary of Environmental Summons

Reporting	I	Environmental Summons Statistics								
Period	Frequency	Cumulative	Details							
1 May 2024 -	0	0	N/A							
31 May 2024			IV/A							

Statistical Summary of Environmental Prosecution

Reporting	E	Environmental Prosecution Statistics								
Period	Frequency	Cumulative	Details							
1 May 2024 -	0	0	N/A							
31 May 2024	U	U	IV/A							

Appendix 11.1	Impact Monitoring Schedule of Next Reporting Month

Impact Noise & Water Monitoring Schedule for Contract No. DC/2022/02 Drainage Improvement Works at Yuen Long Stage 2 (Version 2)						
June 2024						
Sun	Mon	Tue	Wed	Thur	Fri	Sat
						#Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10
2	3	4	5	6	7	8
		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11	Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10
9	10	11	12	13	14	15
		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11	Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10
16	17	18	19	20	21	22
		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11	Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10
23	24	25	26	27	28	29
		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10		Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11	Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10
30						

Noise Monitoring Locations:

Noise monitoring stations at Ha Che: HC_M3A, HC_M4, and HC_M6

Noise monitoring stations at Tai Wo: TW_M2 and TW_M3

Noise monitoring stations at Lin Fa Tei: LFT_M1, LFT_M3A, LFT_M5, LFT_M7, and LFT_M11

Noise monitoring stations at Sung Shan New Village: SSNV_M2, SSNV_M3, and SSNV_M6

Water Monitoring Locations: Water quality monitoring stations at Ha Che: C9 and C10

Water quality monitoring stations at Tai Wo: C4 and C5
Water quality monitoring stations at Tai Wo: C4 and C5
Water quality monitoring stations at Lin Fa Tei: C6, C7A, and C8
Water quality monitoring stations at Sung Shan New Village: C1A, C2, and C3A

- 1. The schedule may be changed due to unforeseen circumstances (e.g. adverse weather, etc.)

 2. As stipulated in EP No.: EP-596/2021 condition 3.2 and confirmed by the Contractor, no construction work is scheduled at Tai Wo between April 2024 and September 2024. Thus, impact noise monitoring and impact water quality monitoring, will be suspended between April 2024 and September 2024.

 3. The access to noise monitoring station LFT_M7 was not granted by property management office since 27 March 2024, the impact noise monitoring at LFT_M7 was then suspended since 27 March 2024.

Note (s):

The monitoring event is cancalled due to adverse weather

Document prepared by

Aurecon Hong Kong Limited

Unit 1608, 16/F, Tower B, Manulife Financial Centre, 223 – 231 Wai Yip Street, Kwun Tong, Kowloon Hong Kong S. A. R.

T +852 3664 6888

F +852 3664 6999

E hongkong@aurecongroup.com

W aurecongroup.com

