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Attn: Mr. Ken Ho

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Contract No. PM 10/2022 -
Independent Environmental Checker for Drainage Improvement Works at Yuen Long – Stage 2

Verification of Monthly EM&A Report (May 2025)

16 June 2025

Dear Sir,

We refer to the Monthly EM&A Report under the captioned Project, which was provided by the Environmental Team on 16 June 2025 and certified 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 5967.

Yours faithfully
for MOTT MACDONALD HONG KONG LIMITED

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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: 3

2025-06-13

aurecon

Bringing ideas to life

Document control record

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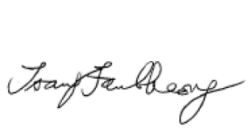
Author signature		Certified by	
Name	Oliver Chiu	Name	F. C. Tsang
Title	Environmental Team Consultant	Title	Environmental Team Leader

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Executive Summary

A1. This is the 16th 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 to 31 May 2025.

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;
- Breaking ground;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Lin Fa Tei

- Site clearance;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting; and
- Sheet pilling & backfilling and compaction;
- Removal of sheet piles, drain laying works, reinstatement.

Sung Shan New Village

- Site clearance;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Tai Wo

- No construction activities.

Monitoring and Audit Programme

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

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

EM&A Activities	Date
Water Quality Monitoring	Ha Che, Lin Fa Tei and Sung Shan New Village: 8, 16 ,22 and 28 May 2025
Noise Monitoring	Ha Che, Lin Fa Tei and Sung Shan New Village: 7, 13 ,23 and 29 May 2025
Weekly Environmental Site Inspection	7, 12, 21 and 28 May 2025

Breaches of Action and Limit Levels

A4. No exceedance was recorded in the reporting month. Summary of the environmental exceedance for the reporting month is tabulated **in Table A2 and A3**.

Table A2 Summary of Exceedances for Water Quality and Noise in the Reporting Period

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

Water Quality

A5. No exceedance of impact water quality monitoring was recorded during the reporting period.

Noise

A6. No Action Level or Limit Level exceedance was recorded for construction noise monitoring in the reporting period.

Cultural Heritage

A7. No exceedance was recorded for settlement and tilting monitoring during the reporting period.

Complaint Log

A8. No environmental complaint was recorded during the reporting period.

Table A3 Summary of Exceedances for Cultural Heritage in the Reporting Period

Environmental Monitoring	Parameter	No. of non-project related exceedances			Total No. of non-project related exceedances	No. of exceedances related to the the project			Total No. of exceedance related to the project
		Alert Level	Alarm Level	Action Level		Alert Level	Alarm Level	Action Level	
Cultural Heritage	Settlement	0	0	0	0	0	0	0	0
	Tilting	0	0	0	0	0	0	0	0
	Vibration	0	0	0	0	0	0	0	0

Notification of Summons and Successful Prosecutions

A9. No notification of summons or successful prosecutions was received in the reporting period.

Reporting Changes

A10. 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.

Future Key Issues

A11. The major site activities for the next reporting period are summarized below:

Ha Che

- Site clearance;
- Breaking ground;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Lin Fa Tei

- Site clearance;
- Breaking ground;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Sung Shan New Village

- Site clearance;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Tai Wo

- No construction activities.

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 16th Monthly EM&A Report summarizing the key findings of the construction phase EM&A programme from 1 to 31 May 2025 (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 Updated 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**.

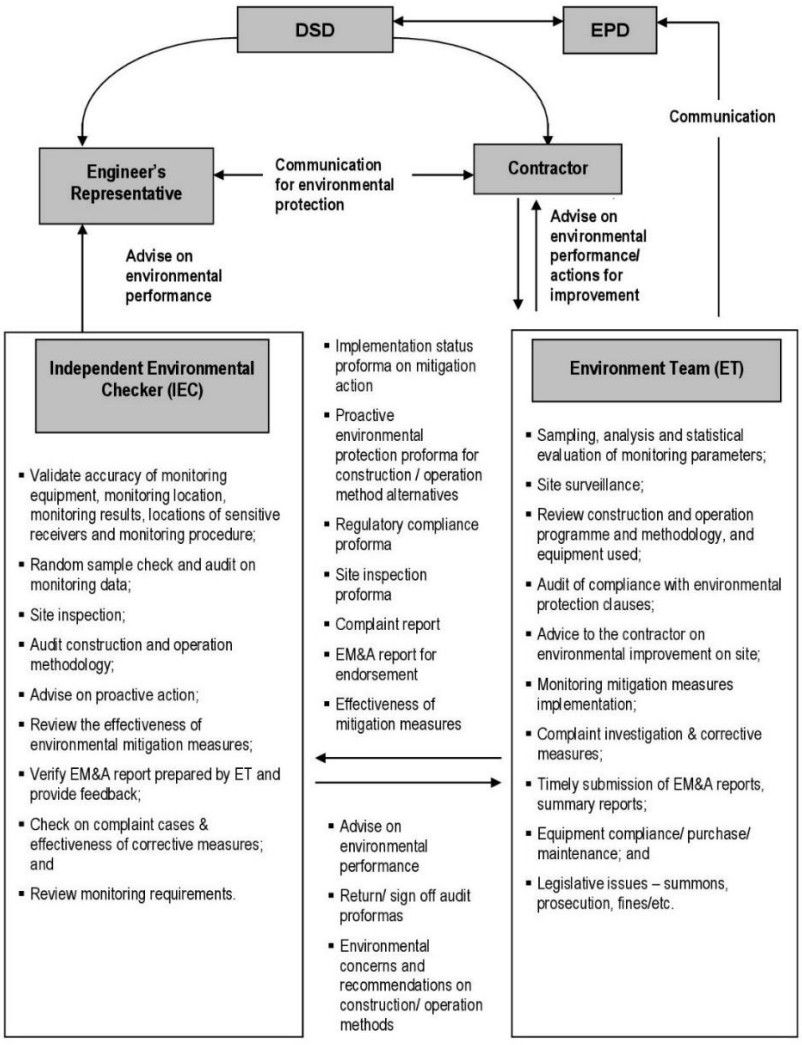


Diagram 1.1 Organisation Chart

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;
- Breaking ground;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Lin Fa Tei

- Site clearance;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting; and
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Sung Shan New Village

- Site clearance;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;

- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Tai Wo

- No construction activities.

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

Permit / License No.	Valid Period		Status
	From	To	
Environmental Permit			
EP-596/2021	28/09/2021	N/A	Valid
Notification pursuant to Air Pollution Control (Construction Dust) Regulation			
Ref. Number: 497623	29/09/2023	N/A	Valid
Billing Account for Disposal of Construction 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 Pollution Control Ordinance			
Lin Fa Tei WT10002494-2023	24/05/2024	31/05/2029	Valid
Tai Wo WT10002495-2023	29/07/2024	31/07/2029	Valid
Ha Che WT10002496-2023	26/04/2024	30/04/2029	Valid
Sung Shan New Village WT10002497-2023	10/07/2024	31/07/2029	Valid
Construction Noise Permit (CNP)			
Lin Fa Tei GW-RN0091-25	29/01/2025	28/07/2025	Valid
Ha Che GW-RN0092-25	01/02/2025	31/07/2025	Valid
Sung Shan New Village GW-RN0387-25	05/04/2025	01/10/2025	Valid

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 Updated 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 Updated EM&A Manual

Parameters	Status
Water Quality	
Baseline Monitoring under Approved Updated 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.
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. The revised Baseline Monitoring Report was submitted to EPD for acceptance on 4 July 2024.
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. 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. An alternative monitoring location LFT_M6 was proposed to replace LFT_M7 and agreed with the ER and the IEC on 29 May 2024 and 4 June 2024 respectively, impact noise monitoring was thus carried out at LFT_M6 from 4 June 2024 onward.
Ecology	
Freshwater Crab Translocation Plan (FCTP)	The EPD had no further comment on the submitted FCTP on 9 February 2024. A formal reply letter was issued by the EPD on 4 July 2024 after the submission of hardcopy for their record. Pre-construction survey at CH.A300.00~CH.A653.949 of Ha Che was carried out between 11 and 13 September 2024, individuals of freshwater crab were translocated from the Drainage Work Area and a one-year post-translocation monitoring was being undertaken. No freshwater crab was translocated during the pre-construction survey at CH.A818.86~CH.A500.00 of Lin Fa Tei which was carried out between 7 and 9 May 2025.

Parameters	Status
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 revised HCMP was submitted to EPD for approval on 13 June 2024. It was accepted by EPD on 9 July 2024.
Mitigation Measures listed in Approved Updated EM&A Manual	On-going
Waste Management	
Mitigation Measures listed in Approved Updated EM&A Manual	On-going
Land Contamination	
Mitigation Measures listed in Approved Updated 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 revised LVMP (Rev. 10) was submitted to the EPD on 7 May 2025.
Weekly Site Audit	On-going
Mitigation Measures listed in Approved Updated EM&A Manual	On-going
Cultural Heritage	
Archaeological Survey	The Archaeological Survey at Lin Fa Tei was carried out from 16 to 28 October 2024. The completion brief of archaeological survey was submitted to AMO for review on 30 October 2024. No comment was received from the AMO up to the end of the reporting period.
Mitigation Measures listed in Approved Updated EM&A Manual	On-going
Environmental Audit	

Parameters	Status
Site Inspection covering Measures of Air Quality, Noise, Water Quality, Waste, Land Contamination, Ecological Quality, Landscape and Visual Impacts and Cultural Heritage	On-going

2 Water Quality

2.1 Monitoring Requirement

2.1.1 In accordance with the approved Updated 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, pH, turbidity, salinity, water depth 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 10 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 ID	Coordinates (HK Grid)		Remarks
		Easting	Northing	
SSNV	C1A (1)	821702	831945	Alternative Impact Monitoring Point
	C2	822459	831470	Control Monitoring Point
	C3A (2)	822413	831284	Alternative Control Monitoring Point
TW	C4 (3)	825497	830664	Control Monitoring Point
	C5 (3)	825486	830716	Impact Monitoring Point
LFT	C6	827232	831713	Control Monitoring Point
	C7A (4)	826865	832115	Alternative Control Monitoring Point
	C8	826513	832075	Impact Monitoring Point
HC	C9	828304	835029	Control Monitoring Point
	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.

(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	Stream	Monitoring ID
Dissolved oxygen (DO), temperature, turbidity, salinity, pH, stream water depth and suspended solids (SS)	1 day in a week (1)	Throughout the construction phase	SSNV	C1A
				C2
				C3A
			LFT	C6
				C7A
				C8
			HC	C9
				C10
	3 days in a week		TW (2)	C4
				C5

Notes:
(1) Impact monitoring shall be carried out 3 days per week during the construction process. The monitoring frequency can be reduced to once per week, with sampling/ measurement at the designated monitoring locations when no exceedances were recorded during the past three-month period in accordance with Section 2.7, Appendix 4 of the Updated EM&A Manual. The change of the monitoring frequency at SSNV, LFT and HC was approved by EPD on 25 November 2024. Hence, the monitoring frequency at SSNV, LFT and HC was changed to 1 day in a week starting from 2 December 2024.
(2) No construction work would be undertaken at Tai Wo between April and September under Condition 3.2 of EP No.: EP-596/2021. Thus, impact water quality monitoring at C4 and C5 was suspended during the reporting period.

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 2.3 of Appendix 4 of the approved Updated 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).

pH

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

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
Multi-functional Water Quality Meter	YSI ProDSS (multi-parameters)	2	22C10651 and 22D100436	Dissolved Oxygen (DO)	0 to 500%	• 0 to 200%: ±1% of reading • 200 to 500%: ±8% of reading
					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
				Temperature	-5 to 50 °C	±0.2 °C
				pH	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
				Salinity	0 to 70 ppt	• ±1.0% of reading or ±0.1 ppt, whichever is greater
Water Depth Ruler	鼎峯 0708	1	N/A	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:
(1) 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, whichever is higher	> 99%-ile of baseline data or > 130% of upstream control station of the same day, whichever is higher
Turbidity in NTU	> 95%-ile of baseline data or >120% of upstream control station of the same day, whichever is higher	> 99%-ile of baseline data or > 130% of upstream control station of the same day, whichever is higher

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 limits
(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
SSNV	C1A	DO in mg/L	<6.72	<4 (1)
		SS in mg/L	>7.3 or >120% of upstream control station of the same day, whichever is higher	>8.5 or > 130% of upstream control station of the same day, whichever is higher
		Turbidity in NTU	>10.37 or >120% of upstream control station of the same day, whichever is higher	>10.81 or > 130% of upstream control station of the same day, whichever is higher
TW	C5	DO in mg/L	<8.36	<4 (2)
		SS in mg/L	>9.9 or > 120% of upstream control station of the same day, whichever is higher	>10.0 or > 130% of upstream control station of the same day, whichever is higher
		Turbidity in NTU	>13.64 or > 120% of upstream control station of the same day, whichever is higher	>13.87 or > 130% of upstream control station of the same day, whichever is higher
LFT	C8	DO in mg/L	<5.38	<4 (3)
		SS in mg/L	>6.3 or > 120% of upstream control station of the same day, whichever is higher	>7.0 or > 130% of upstream control station of the same day, whichever is higher
		Turbidity in NTU	>12.46 or > 120% of upstream control station of the same day, whichever is higher	>12.94 or > 130% of upstream control station of the same day, whichever is higher
HC	C10	DO in mg/L	<2.55	<2.43 (4)
		SS in mg/L	>8.7 or > 120% of upstream control station of the same day, whichever is higher	>8.8 or > 130% of upstream control station of the same day, whichever is higher
		Turbidity in NTU	>20.06 or > 120% of upstream control station of the same day, whichever is higher	>21.07 or > 130% of upstream control station of the same day, whichever is higher

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 The water quality monitoring schedule for this reporting month is shown in **Appendix 2.3**. The monitoring resu**lts** and graphical presentation of water quality monitoring at the monitoring stations are shown in **Appendix 2.4**.

2.10.2 No exceedance of impact water quality monitoring was recorded during reporting period. The exceedance of impact water quality monitoring in the reporting Period is summarised **in Table 2.7.**

Table 2.7 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	No. of exceedance related to the Project		Total No. of exceedance related to the Project
	AL	LL		AL	LL	
Dissolved Oxygen	0	0	0	0	0	0
Turbidity	0	0	0	0	0	0
Suspended Solids	0	0	0	0	0	0

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 (4)	#200, Cheung Po	Residential	Free-field
TW_M3 (4)	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_M6 (3)	#47, Shui Tsan Ti	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:
(1) SSNV – Sung Shan New Village; TW – Tai Wo; LFT – Lin Fa Tei; HC – Ha Che.
(2) LFT_M3A, LFT_M11, and HC_M3A are alternative noise monitoring stations proposed to replace LFT_M3, LFT_M13 and HC_M3, respectively.
(3) Due to the objection from property management office for providing access to designated monitoring location, the noise monitoring at LFT_M7 have been suspended since 27 March 2024. An alternative monitoring location LFT_M6 was proposed to replace LFT_M7 and agreed with the ER and the IEC.
(4) No construction work would be undertaken at Tai Wo between April and September under Condition 3.2 of EP No.: EP-596/2021. Thus, impact noise monitoring at TW_M2 and TW_M3 was suspended during the reporting period.

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 L_{10} and L_{90} were also obtained for reference.

3.2.3 **Table 3.2** summarizes the monitoring parameters, duration, and frequency of construction noise monitoring.

Table 3.2 Construction Noise Monitoring Parameter, Frequency and Duration

Monitoring Station	Parameter	Frequency and Duration
SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, TW_M2, TW_M3, LFT_M1, LFT_M3A, LFT_M5, LFT_M6 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	SVANTEK 971	1	C119577
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 Updated 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

Time Period	Action	Limit Level
07:00 – 19:00 on normal weekdays	When one or more documented complaints are received	75 dB(A)(1)
07:00 – 23:00 on holidays; and 19:00 – 23:00 on all other days		45 dB(A)(2)
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 Area Sensitivity Rating 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 7, 13 ,23 and 29 May 2025. 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

Monitoring Station	Noise Level, dB(A) $L_{eq(30mins)}$		Limit Level
	Minimum	Maximum	
SSNV_M2	54.7	60.7	75 dB(A)
SSNV_M3	51.3	60.8	75 dB(A)
SSNV_M6(1)	48.2	62.5	75 dB(A)
TW_M2(2)	/	/	75 dB(A)
TW_M3(2)	/	/	75 dB(A)
HC_M3A(1)	64.6	73.1	75 dB(A)
HC_M4	62.7	66.9	75 dB(A)
HC_M6	60.7	69.5	75 dB(A)
LFT_M1	55.0	62.1	75 dB(A)
LFT_M3A(1)	54.1	65.3	75 dB(A)
LFT_M5	51.6	54.9	75 dB(A)
LFT_M6	55.9	62.6	75 dB(A)
LFT_M11	60.8	62.0	75 dB(A)

Note:
(1) For Free Field measurement, +3 dB(A) was added to the measured results.
(2) No impact monitoring at Tai Wo was undertaken in reporting month.

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
TW_M2(1)	/
TW_M3(1)	/
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_M6	Nil
LFT_M11	Road Traffic Noise

Note:
(1) No impact noise monitoring at TW_M2 and TW_M3 was undertaken in reporting period.

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.

Post-translocation Monitoring

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

4.1.3 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.

4.1.4 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.

4.1.5 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.

4.1.6 The upper and lower receptor sites of Ha Che were visited on 12 May 2025 to monitor the population of freshwater crabs translocated from Ha Che CH.A300.00~CH.A653.949.

4.1.7 No pollution or anthropogenic disturbance was observed at the Lower Ha Che receptor site. At the Upper Ha Che receptor site, consistent with the previous month's observations, several bags of cement powder were seen near the stream, indicating potential construction of a new grave site (unrelated to the Project) in proximity to the receptor site. However, no construction materials or wastes were found within the stream. Representative photos of the site conditions are presented in **Plate 4.1**.

Plate 4.1 Site condition of receptor sites at Ha Che during the reporting month

Upper receptor site for *C. anacoluthon* at Ha Che

Lower receptor site for *S. zanklon* at Ha Che

Several bags of cement present near the upper receptor site for C. anacoluthon at Ha Che

4.1.8 None of the translocated individuals from the pre-construction surveys were found in the upper and lower receptor sites of Ha Che in the reporting month. The inability to recapture the translocated individuals could be due to the structural complexity of the habitats of both sites. Given the presence of many rocks and riffles at the Upper Ha Che receptor site, together with large and deep pools in the Lower Ha Che receptor site, these receptor sites provide excellent refuge and protection for the crabs.

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) was approved by EPD under Condition 2.9 of the EP. The relevant drainage improvement works has been conducted continuously during the reporting period in accordance with the HCMP.

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 Updated EM&A Manual and waste management plans have been 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 Updated 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, four weekly landscape and visual site audits were carried out on 7, 12, 21 and 28 May 2025.

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 the 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 m by 1 m narrow trenches are proposed to further assess the archaeological potential of the area. If significant remains are uncovered, the AMO should be notified and potential need for mitigation and/ or an appropriate way forward should be agreed by the 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, the 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.

8.1.4 The licence application for archaeological survey works at Lin Fa Tei, Yuen Long was approved by the AMO on 28 June 2024. The Archaeological Survey at Lin Fa Tei was carried out from 16 to 28 October 2024. During this period, a qualified Archaeologist had excavated five test trenches (5 m $\times$ 1.2 m each in size) coded TT1 to TT5 respectively and executed 20 auger tests coded AH1 to AH20 respectively.

8.1.5 Generally, the fill deposit at the top of the excavated area is modern and formed in recent years; the sludge deposits underneath contain no archaeological remains whatsoever.

8.1.6 Therefore, it can be concluded that there is no archaeological potential in the Licence Area, and the construction works of the Project will not cause any adverse impact to archaeological heritage in this part of the Lin Fa Tei Site of Archaeological Interest. The completion brief of archaeological survey was submitted to AMO for review on 30 October 2024. Draft Report on the Archaeological Survey at Lin Fa Tei were submitted to the AMO on 19 November 2024. Comments on the draft Report from the AMO were issued on 10 March 2025. The Report was revised and submitted to the AMO for further review on 21 March 2025. No further comment was received from the AMO up to the end of the reporting period.

8.2 Built Heritage

8.2.1 According to the approved Updated 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. The Antiquities and Monuments Office (AMO) had no adverse comment on the report on 3 January 2024. A formal reply letter was issued by the EPD on 21 June 2024 for their acceptance on the report.

8.2.3 Due to the distance between the works area at Ha Che and the Lan Fong Study Hall exceeded 30m radial distance during the reporting period, no vibration monitoring was undertaken. Settlement and tilting monitoring at Lan Fong Study Hall at Ha Che has been carried out during the reporting period (excluded public holiday). The distance between the north works area at Ha Che and the Lan Fong Study Hall is around 395.34 m. While the distance between the south works area at Ha Che and the Lan Fong Study Hall is around 63.76 m. The layout plan showing distance between the works area at Ha Che and the Lan Fong Study Hall is presented in **Figure 8.2**. The monitoring locations of Lan Fong Study Hall at Ha Che are indicated **Figure 8.3**. No exceedance for relevant monitoring was recorded during the reporting period.

8.2.4 As no construction work was carried out at Tai Wo in May 2025, no structural monitoring was conducted at St. John Chapel.

8.2.5 No monitoring has been carried out at Lee Tat Bridge at Lin Fa Tei as the works areas are more than 500 m away.

8.2.6 Monitoring data is submitted to the AMO on quarterly basis.

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 the approved monitoring and precautionary measures. ▪ 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 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.
Lan Fong Study Hall, Chuk Hang (Grade 3)	
St John’s Chapel, Cheung Po (Grade 2)	

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 7, 12, 21 and 28 May 2025 at the site portions listed in **Table 9.1** below.

Table 9.1 Site Inspection Record

Date	Inspected Site Portion	Time
7 May 2025	Lin Fa Tei	11:00 – 11:30
12 May 2025	Sung Shan New Village	14:30 – 15:00
21 May 2025	Ha Che	14:30 – 15:00
28 May 2025	Lin Fa Tei	14:00 – 14:30

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

Date	Environmental Observations	Follow-up Status
7 May 2025	Observation(s) and Recommendation(s) 1. The contractor was reminded to cover stockpiles with tarpaulin when they are not in used.	1. Stockpiles has been covered with tarpaulin.
12 May 2025	Observation(s) and Recommendation(s) 1. Water spray regularly to maintain dust control	1. Water spraying has been regularly applied to maintain dust control.
21 May 2025	Observation(s) and Recommendation(s) 1. The contractor was reminded to adopt regular water spraying at exposed area for dust suppression. 2. Impervious sheeting should be provided for breaker to prevent land contamination on site.	1. Water spraying has been regularly applied to maintain dust control. 2. Impervious sheeting has been provided for placing the breaker to prevent land contamination on site.
28 May 2025	Observation(s) and Recommendation(s) 1. Stockpiles should be covered with tarpaulin when they are not in use 2. The contractor was reminded to adopt water spraying on Main Haul Road for dust suppression.	1. Stockpiles have been covered with tarpaulin. 2. The contractor has been adopted water spraying on Main Haul Road for dust suppression

9.1.3 According to the EIA Study Report, Environmental Permit, contract documents and approved Updated 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, no exceedances for impact water quality monitoring was recorded.

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

10.1.3 No exceedance for settlement and tilting monitoring was recorded during the reporting period.

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 recorded during 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 1.1**.

11.1.2 Works to be undertaken in the next reporting period are summarized below:

Ha Che

- Site clearance;
- Breaking ground;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Lin Fa Tei

- Site clearance;
- Breaking ground;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Sung Shan New Village

- Site clearance;
- Temporary drainage diversion;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;
- Sheet pilling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

Tai Wo

- No construction activities.

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 16th Monthly EM&A Report presents the EM&A works during the reporting period from 1 to 31 May 2025 in accordance with the approved Updated EM&A Manual.

12.1.2 No exceedance during impact water quality monitoring was recorded during reporting period.

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

12.1.4 No exceedance was recorded for settlement and tilting monitoring during the reporting period.

12.1.5 Environmental site inspections were conducted on 7, 12, 21 and 28 May 2025 by the ET in the reporting period.

12.1.6 No environmental complaint was recorded during the reporting period.

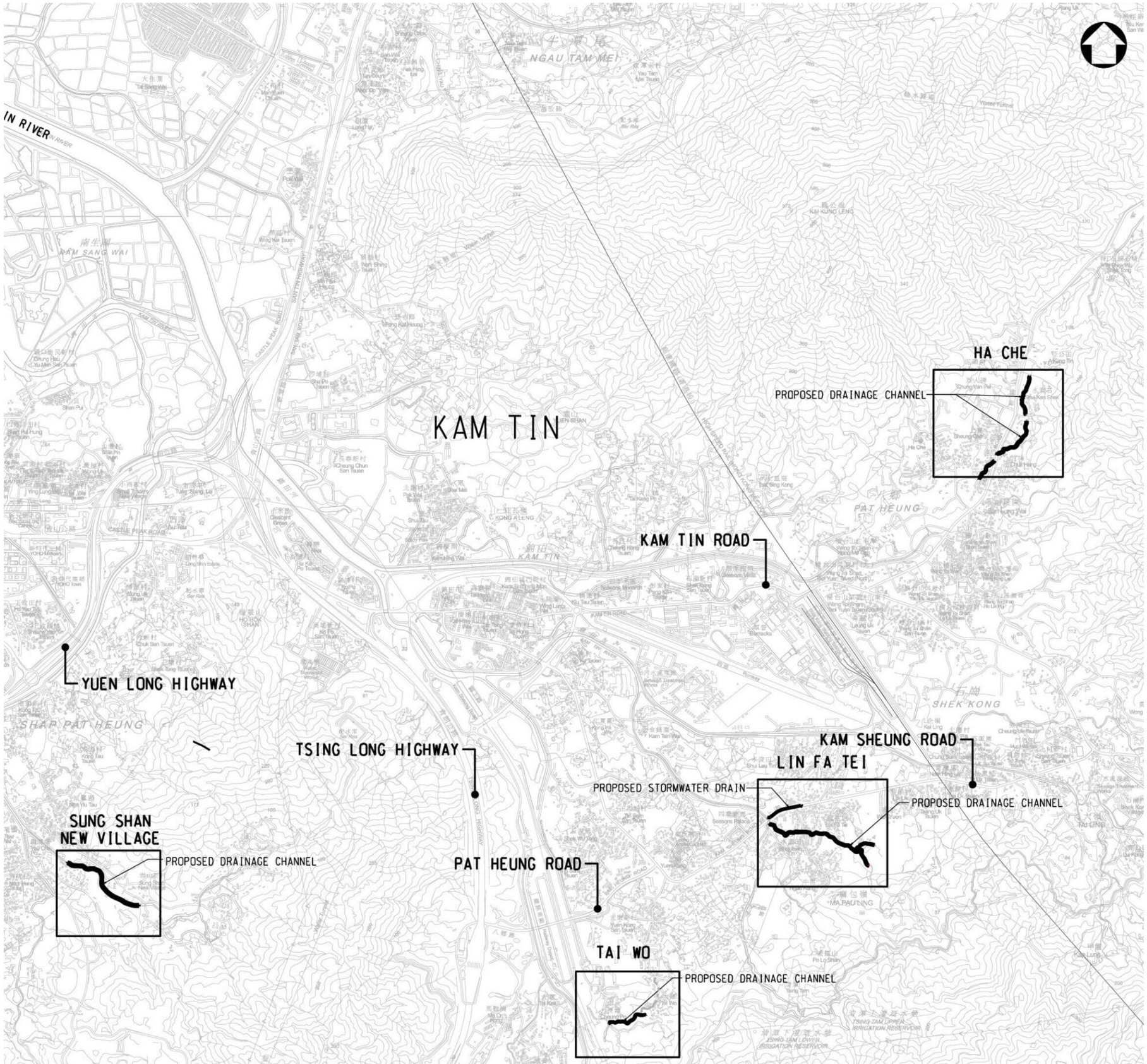
12.1.7 The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

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 1.1 General Site Location Plan



Rev.	Date	Description	By	Chk'd	App'd
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-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT

Suitability: -

ATKINS
Member of the SNC-Lavalin Group

Client
渠務署
Drainage Services Department
工程管理部
Project Management Division

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

Drawing Title
SITE LOCATION PLAN

Scale	Designed	Drawn	Checked	Authorised
N.T.S.	SHC	AC	WCTT	KP
Original Size: A1	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022

Drawing Number: Figure 1.1

Revision: A

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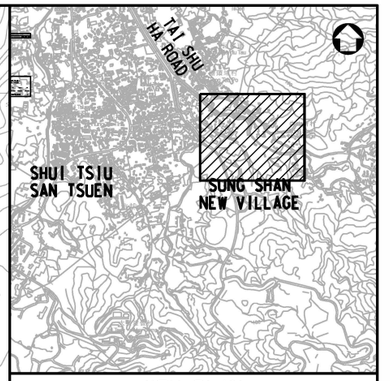
Filename: P:\CNHK\AGIC\Project\5124336 - CE 22_2013 (DS) Yuen Long-Stage 1\Contract DC/2022\Contract Doc\Volume 3\15-Drawings\General\5124336-TD-C2-GEN-0000_A.dgn

Figure 1.2 Location of Work Areas for the Project

821900 E
822100 E
822300 E
822500 E
831800 N
831600 N
831400 N
SSNV.A
TAI SHU HA ROAD
SUNG SHAN NEW VILLAGE
0 10 20 30 40 50 m
1 : 1 000 SCALE BAR



KEY PLAN
N.T.S.

LEGEND:
- WORKS BOUNDARY
- RECTANGULAR CHANNEL

Rev.	Date	Description	By	Chk'd	App'd
A	OCT 2022	TENDER ADDENDUM NO.3	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT
Suitability:

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工程管理部
Project Management Division

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

Drawing Title
SUNG SHAN NEW VILLAGE -
GENERAL LAYOUT PLAN

Scale	Designed	Drawn	Checked	Authorised
1 : 1000	SHC	AC	WCTT	KP
Original Size: A1	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022

Drawing Number: Figure 1.2a
Revision:

DO NOT SCALE

Millimetres 0 10 100

825500 E
825600 E
825700 E
830800 N
830700 N

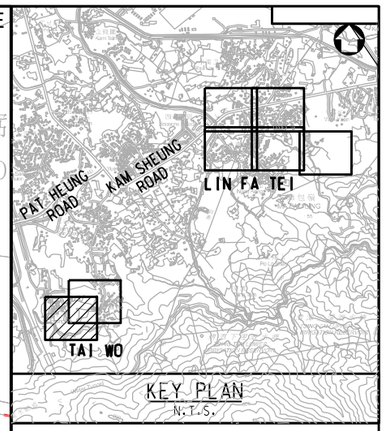
CHEUNG PO

大嵩
TAI WO

TAI WO

900CU

遊樂場
Playground
教堂
Church
啓業花園
Kai Yip Garden



LEGEND:
- WORKS BOUNDARY
- RECTANGULAR CHANNEL

Rev.	Date	Description	By	Chk'd	Appr'd
A	OCT 2022	TENDER ADDENDUM NO.3	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT
Suitability: -

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工程管理部
Project Management Division

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

Drawing Title
TAI WO -
GENERAL LAYOUT PLAN

Scale	Designed	Drawn	Checked	Authorised
1 : 500	SHC	AC	WCTT	KP
Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number: **Figure 1.2 b**
Revision: A

0 5 10 15 20 25 m
1 : 500 SCALE BAR

Millimetres 100 0 10

826600 E 826700 E 826800 E 826900 E 827000 E

832200 N 832000 N 831800 N

KAM SHEUNG ROAD

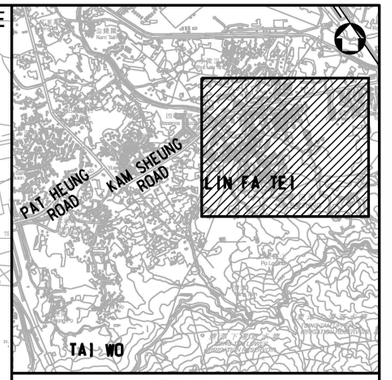
LIN FA TEI

SHUI TSAN TIN

NGAU KENG

DO NOT SCALE

0 12.5 25 37.5 50 62.5 m
1 : 1 250 SCALE BAR



KEY PLAN
N.T.S.

LEGEND:
- WORKS BOUNDARY
- RECTANGULAR CHANNEL
- 450CU — COVERED U-CHANNEL WITH NON-HEAVY DUTY PRECAST CONCRETE COVER
- MANHOLE

Rev.	Date	Description	By	Chk'd	App'd
A	NOV 2022	TENDER ADDENDUM NO. 4	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT
Suitability: -

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

Drawing Title
LIN FA TEI -
GENERAL LAYOUT PLAN

Scale	Designed	Drawn	Checked	Authorised
1 : 1250	SHC	AC	WCTT	KP
Original Size: A1	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022

Drawing Number: Figure 1.2 c
Revision:

DO NOT SCALE

Millimetres 100 0 10

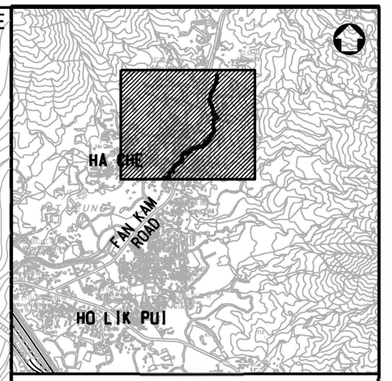
827700 E

834800 N

834600 N

834400 N

HA CHE



KEY PLAN
N.T.S.

LEGEND:

WORKS BOUNDARY

RECTANGULAR CHANNEL

Rev.	Date	Description	By	Chk'd	App'd
A	NOV 2022	TENDER ADDENDUM NO. 4	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT

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

Drawing Title:

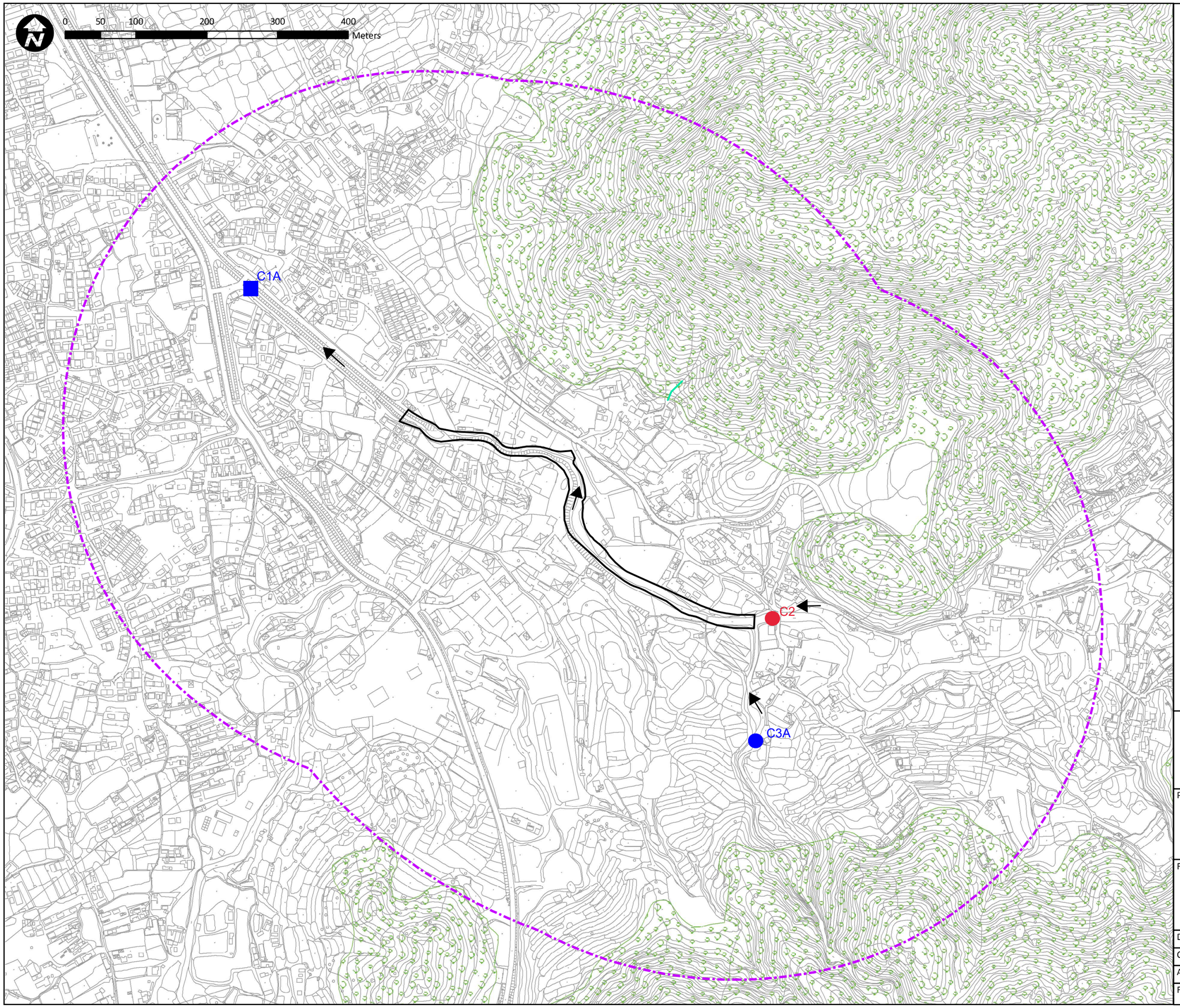
HA CHE -
GENERAL LAYOUT PLAN

Scale	Designed	Drawn	Checked	Authorised
1 : 1250	SHC	AC	WCTT	KP
Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number: Figure 1.2 d

Revision:

Figure 2.1 Impact Water Quality Monitoring Locations



Legend:

- Work Limit Boundary
- 500 m study area
- Control Station
- Alternative Control Station
- Alternative Impact Station
- Flow direction

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

Figure Title:
Water Quality Monitoring Locations at Sung Shan New Village

Drawn by:	Scale: 1:5,000 on A3	
Checked By:	Date:	
Approved by:		
Figure Number: Figure 2.1a		Revision: R1

DO NOT SCALE

825500 E

825600 E

825700 E

830800 N

830700 N

CHEUNG PO

大窩
TAI WO

TAI WO

900CU

C5

C4

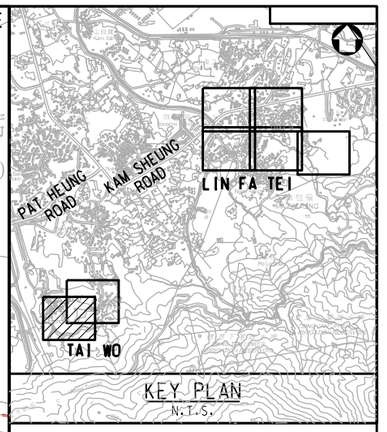
遊樂場
Playground

教堂
Church

啓業花園
Kai Yip Garden

Millimetres 0 10 100

0 5 10 15 20 25 m
1 : 500 SCALE BAR



KEY PLAN
N.T.S.

LEGEND:

WORKS BOUNDARY

RECTANGULAR CHANNEL

Control Station

Impact Station

Flow Direction

Rev.	Date	Description	By	Chk'd	Appr'd
A	OCT 2022	TENDER ADDENDUM NO.3	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT

Suitability: -

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Project Management Division

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

Drawing Title:
Water Quality Monitoring Locations at Tai Wo

Scale	Designed	Drawn	Checked	Authorised
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Original Size	Date	Date	Date	Date
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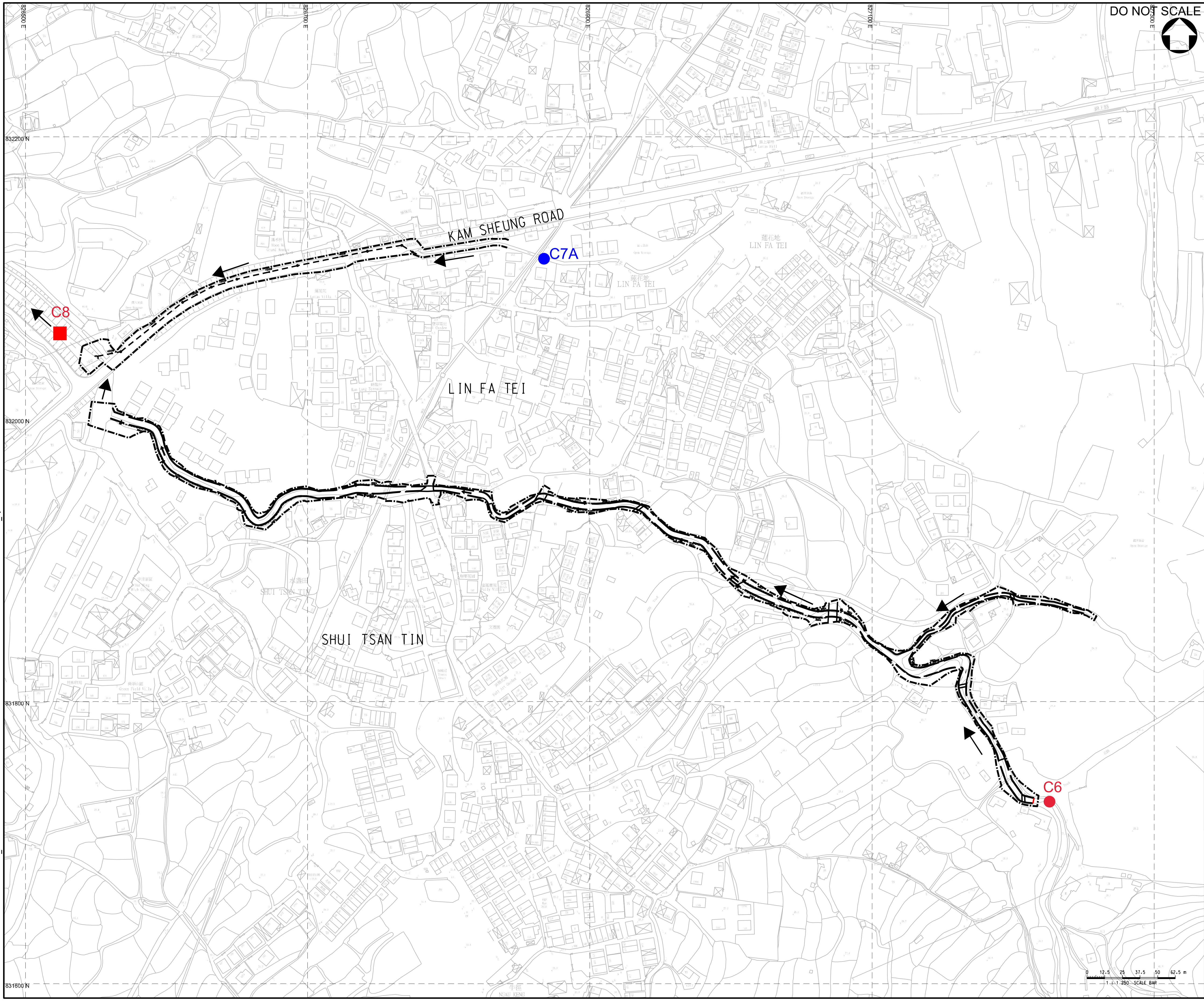
Drawing Number: Figure 2.1b

Revision:



KEY PLAN
N.T.S.

LEGEND:
- WORKS BOUNDARY
- RECTANGULAR CHANNEL
- 450CU COVERED U-CHANNEL WITH NON-HEAVY DUTY PRECAST CONCRETE COVER
- MANHOLE
- Control Station
- Alternative Control Station
- Impact Station
- Flow Direction

Rev.	Date	Description	By	Chk'd	App'd
A	NOV 2022	TENDER ADDENDUM NO. 4	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

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工程管理部 Project Management Division

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

Drawing Title: Water Quality Monitoring Locations at Lin Fa Tei

Scale	Designed	Drawn	Checked	Authorised
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Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number: Figure 2.1c

0 50 100 200 300 400
Meters

C9

C10

LEGEND:

WORKS BOUNDARY

RECTANGULAR CHANNEL

Control Station

Impact Station

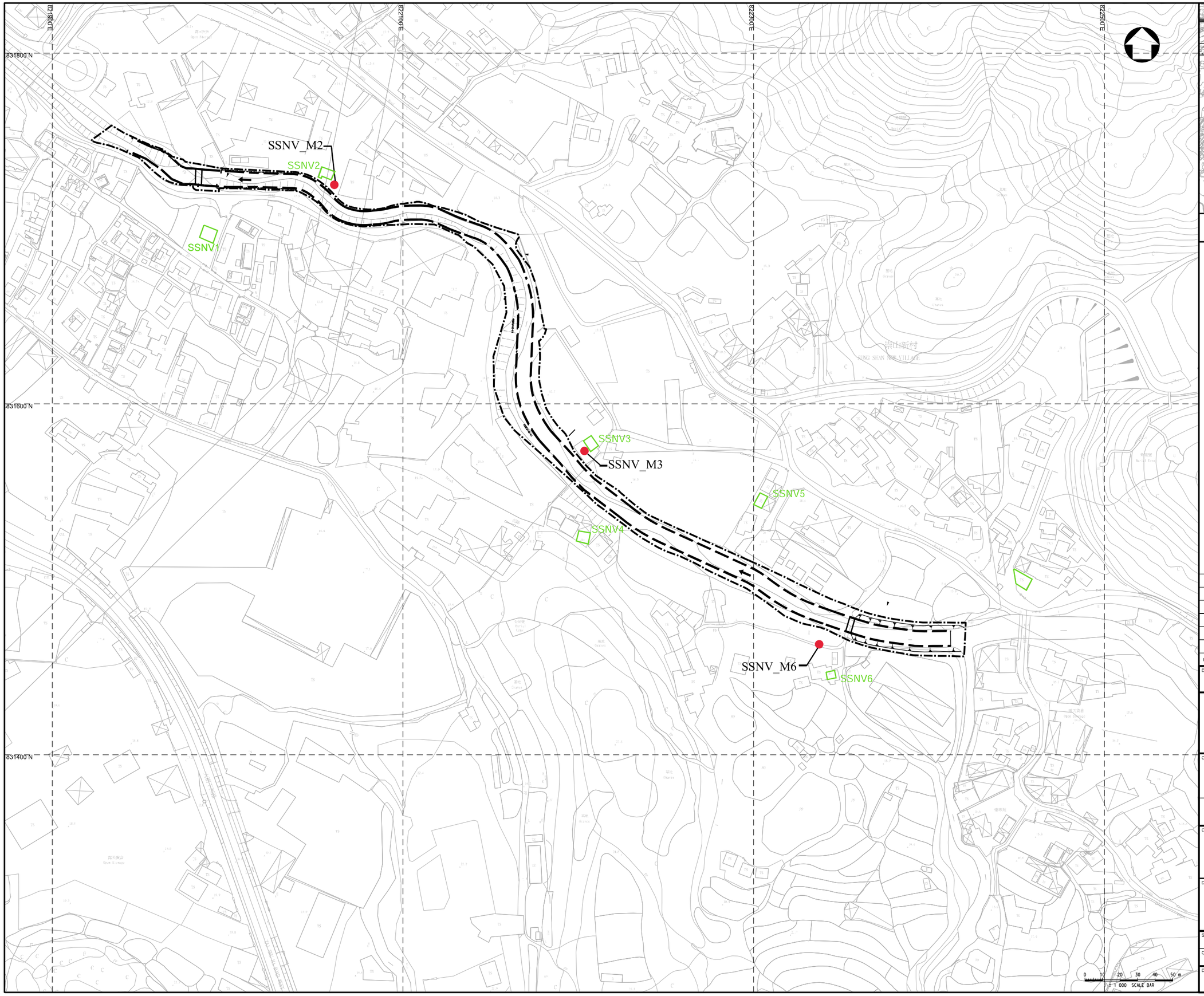
Flow Direction

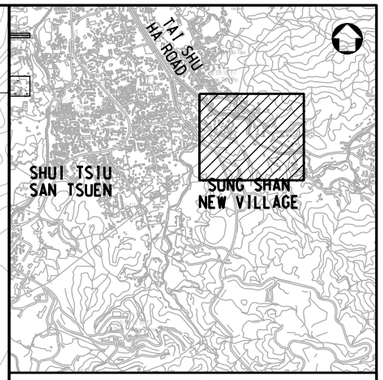
Project Title:
CONTRACT NO. DC/2022/02
DRAINAGE IMPROVEMENT WORKS
AT YUEN LONG -
STAGE 2

Figure Title:
Water Quality Monitoring Locations at Ha Che

Drawn by:	Scale: 1:6,500 on A3	
Checked By:	Date:	
Approved by:		
Figure Number: Figure 2.1d		Revision: R1

Figure 3.1 Impact Noise Monitoring Locations





KEY PLAN
N.T.S.

LEGEND:
- WORKS BOUNDARY
- RECTANGULAR CHANNEL
- NOISE SENSITIVE RECEIVER
- NOISE MONITORING STATION

Rev.	Date	Description	By	Chk'd	App'd
A	OCT 2022	TENDER ADDENDUM NO.3	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT
Suitability: -

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工程管理部
Project Management Division

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

Drawing Title
Noise Monitoring Locations at
Sung Shan New Village

Scale	Designed	Drawn	Checked	Authorised
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Original Size	Date	Date	Date	Date
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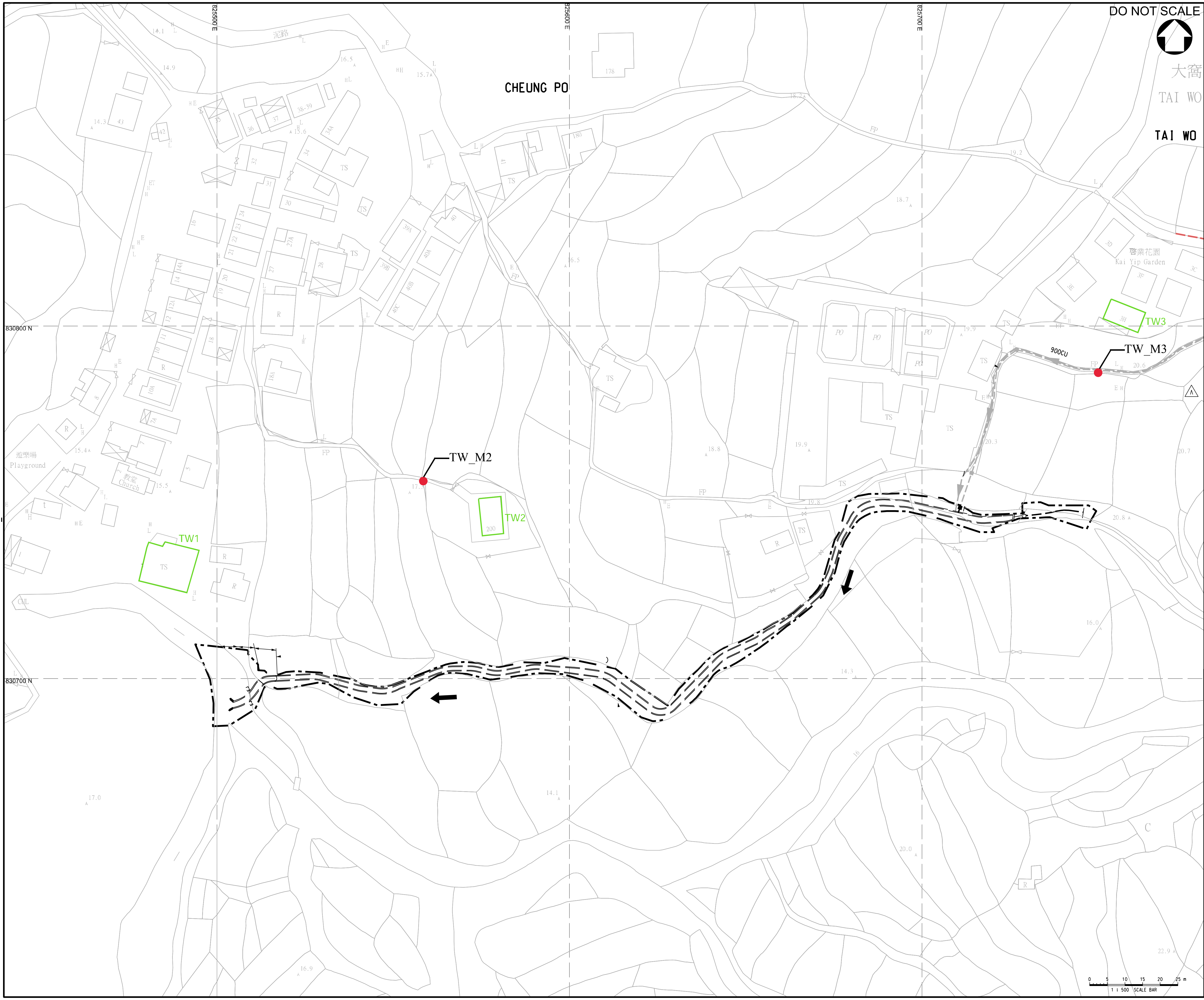
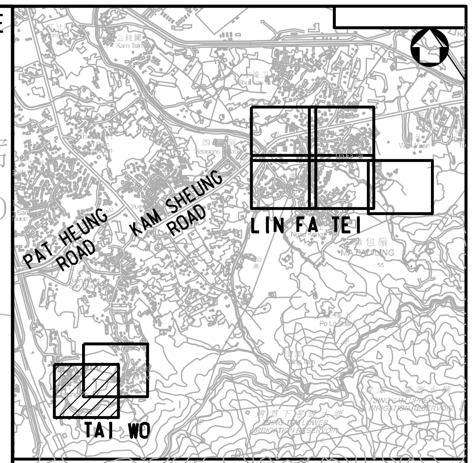
Drawing Number: Figure 3.1a
Revision:





KEY PLAN
N.T.S.

LEGEND:

- WORKS BOUNDARY
- RECTANGULAR CHANNEL
- NOISE SENSITIVE RECEIVER
- NOISE MONITORING STATION

Rev.	Date	Description	By	Chk'd	App'd
A	OCT 2022	TENDER ADDENDUM NO.3	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT

Suitability: -

ATKINS
Member of the SNC-Lavalin Group

Client: 渠務署 Drainage Services Department
工程管理部 Project Management Division

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

Drawing Title: Noise Monitoring Locations at Tai Wo

Scale	Designed	Drawn	Checked	Authorised
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Original Size	Date	Date	Date	Date
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Drawing Number: Figure 3.1b

Revision: A

DO NOT SCALE

826900 E 827000 E 827100 E 827200 E

832200 N

832000 N

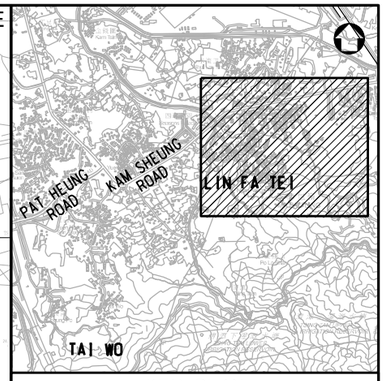
831800 N

831600 N

Millimetres 100 0 10

LFT_M11
KAM SHEUNG ROAD
LFT10
LFT11
LFT12
LFT14
LFT13
LFT_M13
LIN FA TEI
LFT9
LFT8
LFT_M7
LFT7
LFT_M5
LFT5
LFT4
LFT_M3A
LFT6
LFT_M6
LFT3
LFT_M3
SHUI TSAN TIN
LFT_M1
LFT1
LFT2

0 12.5 25 37.5 50 62.5 m
1 : 1250 SCALE BAR



KEY PLAN
N.T.S.

LEGEND:

- WORKS BOUNDARY
- RECTANGULAR CHANNEL
- NOISE SENSITIVE RECEIVER
- NOISE MONITORING STATION
- ALTERNATIVE NOISE MONITORING STATION

Rev.	Date	Description	By	Chk'd	App'd
A	NOV 2022	TENDER ADDENDUM NO. 4	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT
Suitability: -

ATKINS
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Client
渠務署
Drainage Services Department
工程管理部
Project Management Division

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

Drawing Title
Noise Monitoring Locations at
Lin Fa Tei

Scale	Designed	Drawn	Checked	Authorised
1 : 1250	SHC	AC	WCTT	KP
Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number: Figure 3.1c
Revision:

DO NOT SCALE

Millimetres 100 0 10

822700 E

834800 N

834600 N

834400 N

HA CHE

HC_M6

HC8

HC7

HC6

HC_M4

HC_M3

HC5

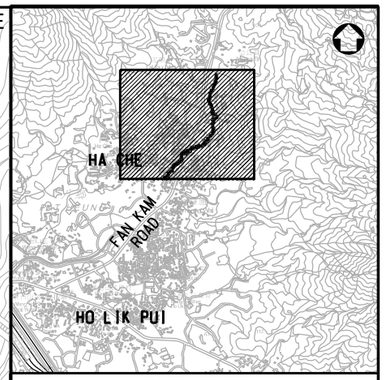
HC4

HC_M3A

HC3

HC2

HC1



KEY PLAN
N.T.S.

LEGEND:

- WORKS BOUNDARY
- RECTANGULAR CHANNEL
- NOISE SENSITIVE RECEIVER
- NOISE MONITORING STATION
- ALTERNATIVE NOISE MONITORING STATION

Rev.	Date	Description	By	Chk'd	App'd
A	NOV 2022	TENDER ADDENDUM NO. 4	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT

Suitability: -

ATKINS
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Client: 渠務署 Drainage Services Department

工程管理部
Project Management Division

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

Drawing Title:
Noise Monitoring Locations at
Ha Che

Scale	Designed	Drawn	Checked	Authorised
1 : 1250	SHC	AC	WCTT	KP
Original Size: A1	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022

Drawing Number: Figure 3.1d

Revision:

Figure 8.1 Area for Archaeological Survey

DO NOT SCALE

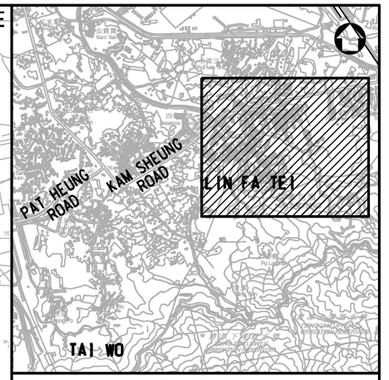
826600 E
826700 E
826800 E
826900 E
827000 E

832200 N
832000 N
831800 N

KAM SHEUNG ROAD
LIN FA TEI
SHUI TSAN TIN
NGAU KENG

0 12.5 25 37.5 50 62.5 m
1 : 1 250 SCALE BAR

Millimetres 0 10 100



KEY PLAN
N.T.S.

LEGEND:

- WORKS BOUNDARY
- RECTANGULAR CHANNEL
- 450CU — COVERED U-CHANNEL WITH NON-HEAVY DUTY PRECAST CONCRETE COVER
- MANHOLE
- AREA IDENTIFIED FOR ARCHAEOLOGICAL SURVEY

Rev.	Date	Description	By	Chk'd	App'd
A	NOV 2022	TENDER ADDENDUM NO. 4	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT
Suitability: -

ATKINS
Member of the SNC-Lavalin Group

Client
渠務署
Drainage Services Department

工程管理部
Project Management Division

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

Drawing Title
AREA IDENTIFIED FOR ARCHAEOLOGICAL SURVEY

Scale	Designed	Drawn	Checked	Authorised
1 : 1250	SHC	AC	WCTT	KP
Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number: Figure 8.1
Revision:

Figure 8.2 Layout plan showing distance between the works area at Ha Che and the Lan Fong Study Hall

DO NOT SCALE

827700 E

834800 N

834600 N

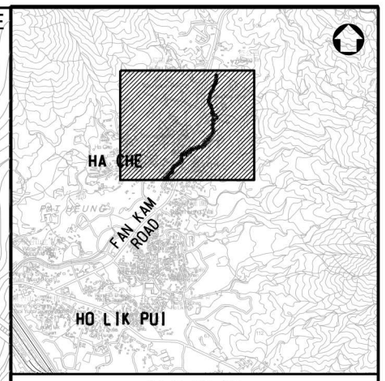
834400 N

HA CHE

395.34 m

63.76 m

Lan Fong Study Hall



KEY PLAN
N.T.S.

NOTES:

1. FOR GENERAL LAYOUT PLAN, REFER TO DRAWING NO. 5124336-TD-C2-GEN-0000.
2. FOR GENERAL NOTES, REFER TO DRAWING NOS. 5124336-TD-C2-GEN-0001 & 0002.
3. FOR LEGENDS, REFER TO DRAWING NO. 5124336-TD-C2-GEN-0003.
4. FOR PROPOSED ALIGNMENT, REFER TO DRAWING NOS. 5124336-TD-C2-GEN-8001 TO 8004.

Works area

CONTROLLED COPY

Rev.	Date	Description	By	Chk'd	App'd
A	NOV 2022	TENDER ADDENDUM NO. 4	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP

Drawing Status: CONTRACT

Suitability: -

ATKINS
Member of the SNC-Lavalin Group

Client: 渠務署 Drainage Services Department

工程管理部
Project Management Division

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

Drawing Title:
HA CHE -
GENERAL LAYOUT PLAN

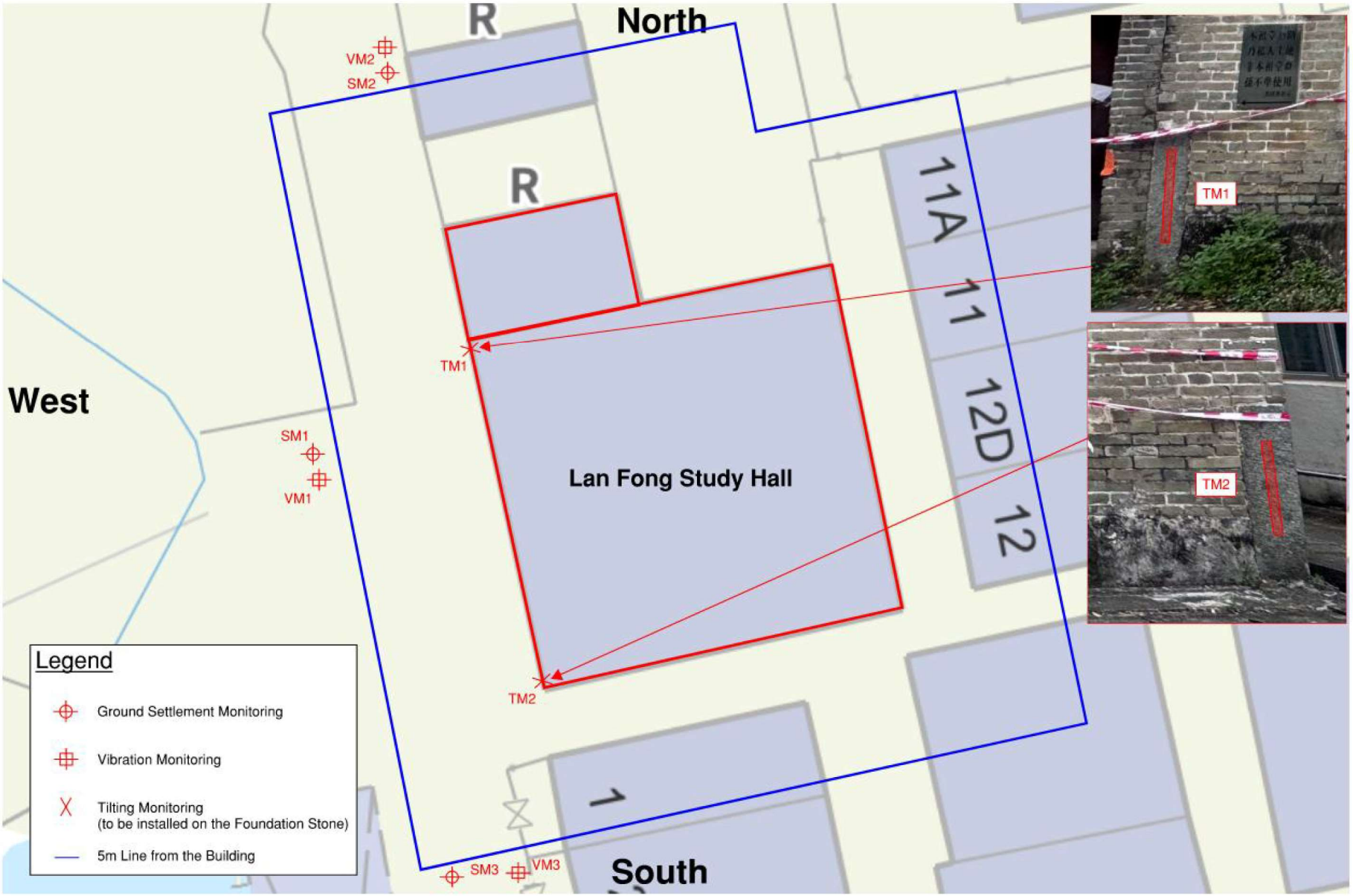
Scale	Designed	Drawn	Checked	Authorised
1 : 1250	SHC	AC	WCTT	KP
Original Size: A1	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022	Date: JUL 2022

Drawing Number: Figure 8.2

Revision: A

User name: LEUN3329 Date:08/02/2023 Time:17:24:16
Filename: P:\CNHKA\GIS\Project\5124336 - CE 22_2013 (DS) Yuen Long-Stage 1\Contract DC2022\02\Contract Doc\Volume 3\15-Drawings\dgn\HC\5124336-TD-C2-GEN-8000_A.dgn

Figure 8.3 Monitoring Locations of Lan Fong Study Hall at Ha Che

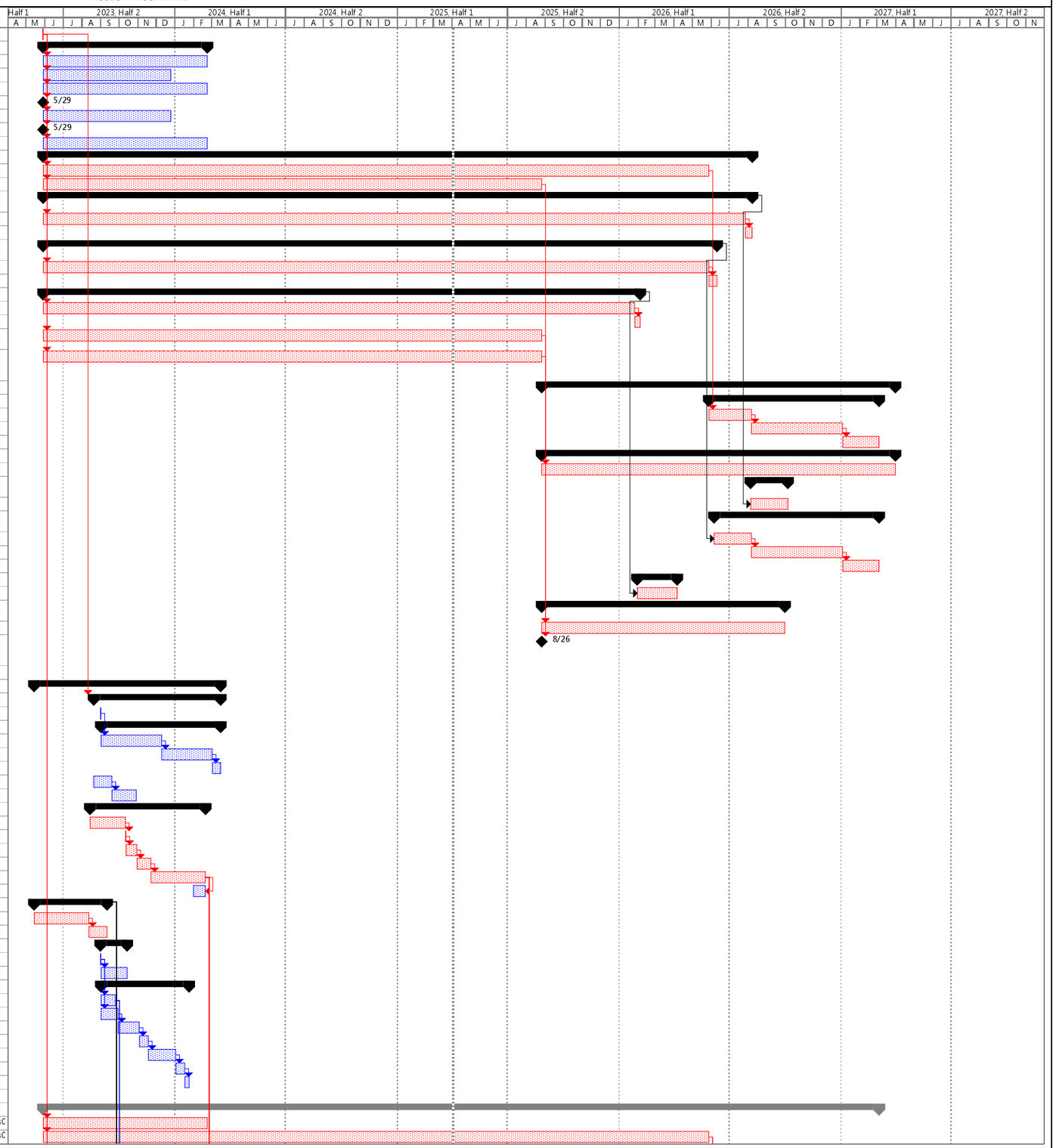

North
West
South
R
R
VM2
SM2
SM1
VM1
SM3
VM3
TM1
TM2
Lan Fong Study Hall
11A
11
12D
12
1
TM1
TM2
Legend
Ground Settlement Monitoring
Vibration Monitoring
Tilting Monitoring
(to be installed on the Foundation Stone)
5m Line from the Building

Appendices

Appendix 1.1 Construction Programme

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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
1	*Starting date*	Mon 23/5/29	Earlier Than	1 day	Mon 23/5/29	Mon 23/5/29	-5 days	
2	*Access date*	NA	As Soon As Possible	270 days	Mon 23/5/29	Fri 24/2/23	1132 days	
3	Portion A	NA	As Soon As Possible	270 days	Tue 23/5/30	Fri 24/2/23	1132 days	1
4	Portion B	NA	As Soon As Possible	210 days	Tue 23/5/30	Mon 23/12/25	1192 days	1
5	Portion C1 & C2	NA	As Soon As Possible	270 days	Tue 23/5/30	Fri 24/2/23	1132 days	1
6	Portion C3	NA	As Soon As Possible	0 days	Mon 23/5/29	Mon 23/5/29	1402 days	1
7	Portion D	NA	As Soon As Possible	210 days	Tue 23/5/30	Mon 23/12/25	1192 days	1
8	Portion E1	NA	As Soon As Possible	0 days	Mon 23/5/29	Mon 23/5/29	1402 days	1
9	Portion E2	NA	As Soon As Possible	270 days	Tue 23/5/30	Fri 24/2/23	1132 days	1
10	*Completion Date (Extended as accepted)*	NA	As Soon As Possible	1166.5 days	Tue 23/5/30	Sat 26/8/8	-5 days	
11	Section I - Drainage Improvement Works at Sung Shan New Village	Thu 26/5/28	No Later Than	1095 days	Tue 23/5/30	Thu 26/5/28	0 days	1
12	Section II - Drainage Improvement Works at Tai Wo	Tue 25/8/26	No Later Than	820 days	Tue 23/5/30	Tue 25/8/26	0 days	1
13	**Section III - Drainage Improvement Works at Lin Fa Tei (except flood wall construction and drainage improvement works along Kam Sheung Road)**	NA	As Soon As Possible	1166.5 days	Tue 23/5/30	Sat 26/8/8	-3 days	
14	Original	NA	As Soon As Possible	1155 days	Tue 23/5/30	Mon 26/7/27	-3 days	1
15	EOT - Inclement weather Cl. 60.1(13)(iv)(v)	Sat 26/8/8	No Later Than	11.5 days	Tue 26/7/28	Sat 26/8/8	-3 days	14
16	**Section IV - Drainage Improvement Works at Ha Che (except pipe laying works by trenchless method and pipe rehabilitation works across Fan Kam Road)**	NA	As Soon As Possible	1108.5 days	Tue 23/5/30	Thu 26/6/11	-5 days	
17	Original	NA	As Soon As Possible	1095 days	Tue 23/5/30	Thu 26/5/28	-5 days	1
18	EOT - Inclement weather Cl. 60.1(13)(iv)(v)	Thu 26/6/11	No Later Than	13.5 days	Fri 26/5/29	Thu 26/6/11	-5 days	17
19	**Section V - Drainage Improvement Works at Shan Ha Tsuen**	NA	As Soon As Possible	982 days	Tue 23/5/30	Wed 26/2/4	-5 days	
20	Original	NA	As Soon As Possible	973 days	Tue 23/5/30	Mon 26/1/26	-5 days	1
21	EOT - Inclement weather Cl. 60.1(13)(iv)(v)	Wed 26/2/4	No Later Than	9 days	Tue 26/1/27	Wed 26/2/4	-5 days	20
22	Section VI - Flood Wall Construction and Drainage Improvement Works along Kam Sheung Road at Lin Fa Tei	Tue 25/8/26	Finish No Later Than	820 days	Tue 23/5/30	Tue 25/8/26	0 days	1
23	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	Tue 25/8/26	Finish No Later Than	820 days	Tue 23/5/30	Tue 25/8/26	0 days	1
44	**Planned Completion Day of whole of the works**	NA	As Soon As Possible	582 days	Tue 25/8/26	Wed 27/3/31	0 days	
45	**Section I - Drainage Improvement Works at Sung Shan New Village**	NA	As Soon As Possible	280 days	Fri 26/5/29	Thu 27/3/4	0 days	
46	EOT - Inclement weather (anticipated upto 31 Jul 2024)	Thu 26/8/6	No Later Than	70 days	Fri 26/5/29	Thu 26/8/6	0 days	11
47	EOT - Uncharted/Retained Trees obstructing the works	Sun 27/1/3	No Later Than	150 days	Fri 26/8/7	Sun 27/1/3	0 days	46
48	EOT - Obstruction to Sheet Piling at CH.A50 - CH.A280	Thu 27/3/4	No Later Than	60 days	Mon 27/1/4	Thu 27/3/4	0 days	47
49	**Section II - Drainage Improvement Works at Tai Wo**	NA	As Soon As Possible	582 days	Wed 25/8/27	Wed 27/3/31	0 days	
50	EOT - Blockade of access by others	Wed 27/3/31	No Later Than	582 days	Wed 25/8/27	Wed 27/3/31	0 days	12
51	**Section III - Drainage Improvement Works at Lin Fa Tei (except flood wall construction and drainage improvement works along Kam Sheung Road)**	NA	As Soon As Possible	61.5 days	Wed 26/8/5	Mon 26/10/5	0 days	
52	EOT - Inclement weather (anticipated upto 31 Jul 2024)	Mon 26/10/5	No Later Than	61.5 days	Wed 26/8/5	Mon 26/10/5	-3 days	13
53	**Section IV - Drainage Improvement Works at Ha Che (except pipe laying works by trenchless method and pipe rehabilitation works across Fan Kam Road)**	NA	As Soon As Possible	271.5 days	Sat 26/6/6	Thu 27/3/4	0 days	
54	EOT - Inclement weather (anticipated upto 31 Jul 2024)	Thu 26/8/6	No Later Than	61.5 days	Sat 26/6/6	Thu 26/8/6	-5 days	16
55	EOT - Additional request from landlord of HC06.07	Sun 27/1/3	No Later Than	150 days	Fri 26/8/7	Sun 27/1/3	0 days	54
56	EOT - Additional Trees behind Arbutus of HC04	Thu 27/3/4	No Later Than	60 days	Mon 27/1/4	Thu 27/3/4	0 days	55
57	**Section V - Drainage Improvement Works at Shan Ha Tsuen**	NA	As Soon As Possible	66 days	Sat 26/1/31	Mon 26/4/6	0 days	
58	EOT - Inclement weather (anticipated upto 31 Jul 2024)	Mon 26/4/6	No Later Than	66 days	Sat 26/1/31	Mon 26/4/6	-5 days	19
59	**Section VI - Flood Wall Construction and Drainage Improvement Works along Kam Sheung Road at Lin Fa Tei**	NA	As Soon As Possible	400 days	Wed 25/8/27	Wed 26/9/30	0 days	
60	EOT - Difficulty/infeasibility for construction of 1650mm dia. pipe at Kam Sheur	Wed 26/9/30	No Later Than	400 days	Wed 25/8/27	Wed 26/9/30	0 days	22
61	**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**	NA	As Soon As Possible	0 days	Tue 25/8/26	Tue 25/8/26	582 days	23
62								
63	**Project establishment**	NA	As Soon As Possible	307 days	Mon 23/5/15	Sat 24/3/16	0 days	
64	**Project Manager's Accommodation**	NA	As Soon As Possible	209 days	Mon 23/8/21	Sat 24/3/16	1110 days	1FS-1 day
65	PMI001 - Possession of Works Area at 22 Fan Kam road [A]	Fri 23/9/1	Earlier Than	1 day	Fri 23/9/1	Fri 23/9/1	1110 days	
66	**Rennovation and Certification of ex. PM accommodation**	NA	As Soon As Possible	197 days	Sat 23/9/2	Sat 24/3/16	1110 days	
67	Inspection and review of ex. PM accommodation [A]	NA	As Soon As Possible	100 days	Sat 23/9/2	Sun 23/12/10	1110 days	65
68	Arranging time slot with RSS for power and server down [A]	NA	As Soon As Possible	83 days	Mon 23/12/11	Sat 24/3/2	1110 days	67
69	Issuance of check certificates [A]	NA	As Soon As Possible	14 days	Sun 24/3/3	Sat 24/3/16	1110 days	68
70	C11 Tendering procedure for EDMS & DWSS [A]	Mon 23/8/21	Earlier Than	30 days	Mon 23/8/21	Tue 23/9/19	1249 days	
71	Installation and commissioning of EDMS & DWSS [A]	NA	As Soon As Possible	40 days	Wed 23/9/20	Sun 23/10/29	1249 days	70
72	**Environmental Team (ET) procurement**	NA	As Soon As Possible	190 days	Tue 23/8/15	Tue 24/2/20	0 days	
73	C9 Tendering procedure [A]	Tue 23/8/15	Earlier Than	58 days	Tue 23/8/15	Wed 23/10/11	0 days	
74	Commencement for ET (Aurecon) [A]	NA	As Soon As Possible	1 day	Thu 23/10/12	Thu 23/10/12	0 days	73
75	Proposal and Acceptance of ET Members [A]	NA	As Soon As Possible	18 days	Fri 23/10/13	Mon 23/10/30	0 days	74
76	Updating and Acceptance of EM&A Manual [A]	NA	As Soon As Possible	23 days	Tue 23/10/31	Wed 23/11/22	0 days	75
77	Notice of Commencement of Construction to EPD [A]	NA	As Soon As Possible	90 days	Thu 23/11/23	Tue 24/2/20	0 days	76
78	Complete necessary submissions to EPD [A]	NA	As Soon As Possible	20 days	Thu 24/2/1	Tue 24/2/20	1135 days	77FF
83	**Setup Public Liaison Team**	NA	As Soon As Possible	120 days	Mon 23/5/15	Mon 23/9/11	0 days	
84	Recruitment of Public Liaison Officer [A]	NA	As Soon As Possible	90 days	Mon 23/5/15	Sat 23/8/12	0 days	
85	Appointment and Acceptance of Public Liaison Officer [A]	NA	As Soon As Possible	30 days	Sun 23/8/13	Mon 23/9/11	0 days	84
93	**Works Area establishment**	NA	As Soon As Possible	44 days	Fri 23/9/1	Sat 23/10/14	15 days	
94	PMI001 - Possession of Works Area at 22 Fan Kam road [A]	Fri 23/9/1	Earlier Than	1 day	Fri 23/9/1	Fri 23/9/1	15 days	
95	Establish concrete haul road and slab [A]	NA	As Soon As Possible	43 days	Sat 23/9/2	Sat 23/10/14	1264 days	94
96	**Contractor's Accommodation (office and welfare facilities)**	NA	As Soon As Possible	145 days	Sat 23/9/2	Wed 24/1/24	15 days	
97	Establish temporary site office (containers) [A]	NA	As Soon As Possible	24 days	Sat 23/9/2	Mon 23/9/25	15 days	94
105	C9 Tendering procedure for Contractor's Site Office [A]	NA	As Soon As Possible	28 days	Sat 23/9/2	Fri 23/9/29	1162 days	94
106	Proposal and Acceptance of Temp. Works Design and Method Statement [A]	NA	As Soon As Possible	35 days	Sat 23/9/30	Fri 23/11/3	1162 days	105
107	Construction of Footing [A]	NA	As Soon As Possible	15 days	Sat 23/11/4	Sat 23/11/18	1162 days	106
108	Construction of Structure [A]	NA	As Soon As Possible	45 days	Sun 23/11/19	Tue 24/1/2	1162 days	107
109	Interior furnishment and Furnitures [A]	NA	As Soon As Possible	15 days	Wed 24/1/3	Wed 24/1/17	1162 days	108
110	Move-in [A]	NA	As Soon As Possible	7 days	Thu 24/1/18	Wed 24/1/24	1162 days	109
111								
112	**Section I**	NA	As Soon As Possible	1375 days	Tue 23/5/30	Thu 27/3/4	0 days	
2	access date of Portion A	Fri 24/2/23	No Later Than	270 days	Tue 23/5/30	Fri 24/2/23	0 days	\\WingTatNasC
3	Period of section I (Sung Shan New Village)	NA	As Soon As Possible	1095 days	Tue 23/5/30	Thu 26/5/28	0 days	\\WingTatNasC



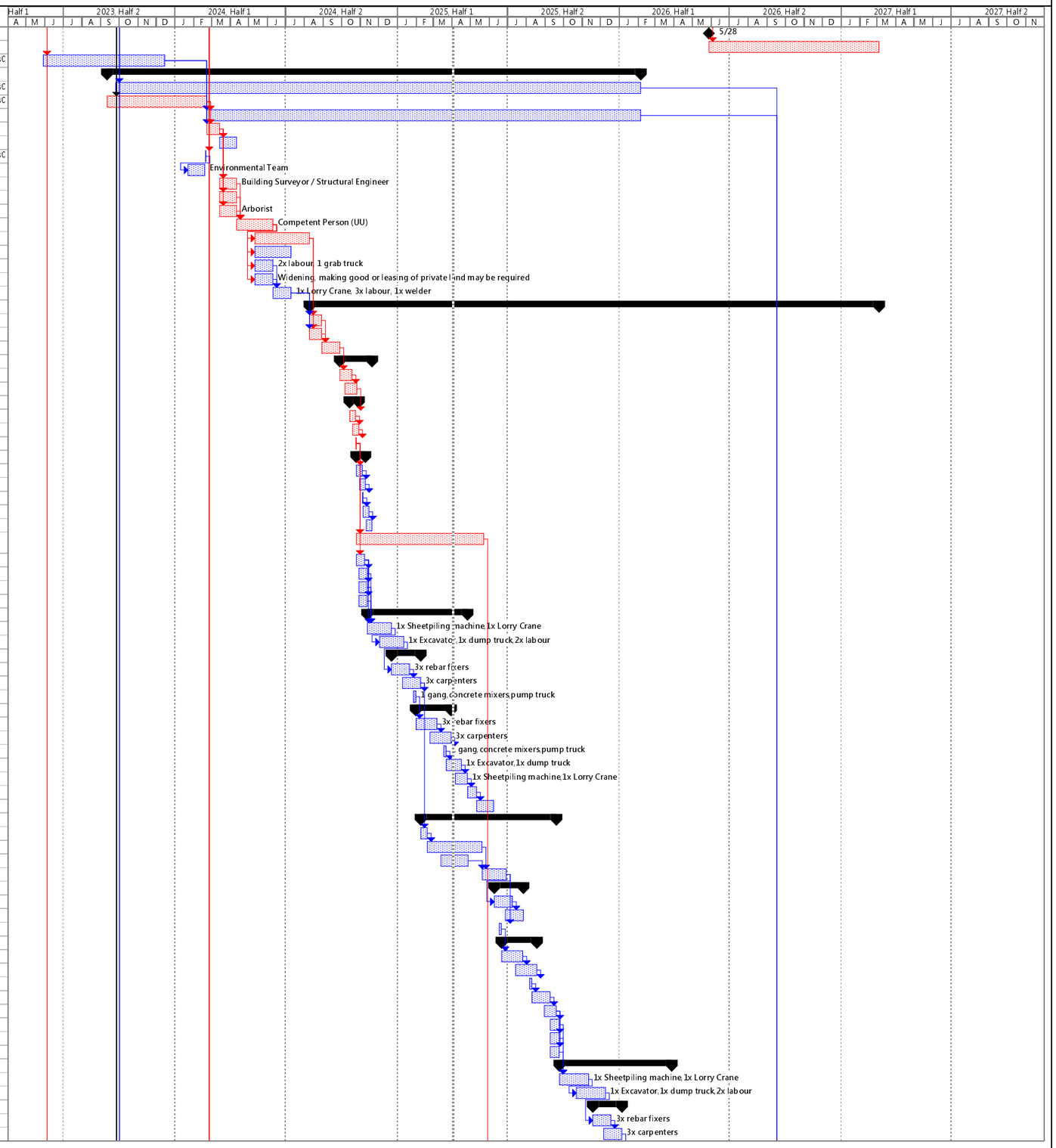
Revision.: 18.0 Date: 28 February 2025

´Task | 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
4	Extended Completion Day	NA	٦ As Possible	0 days	Thu 26/5/28	Thu 26/5/28	307 days	3
5	Planned Completion Day	Thu 27/3/4	o Later Than	280 days	Fri 26/5/29	Thu 27/3/4	0 days	3
6	Early access (partial) [A]	NA	٦ As Possible	200 days	Tue 23/5/30	Fri 23/12/15	70 days	\\WingTatNasC
7	**Site Establishment**	**NA**	**ı As Possible**	**878 days**	**Tue 23/9/12**	**Thu 26/2/5**	**0 days**	
8	Prepare and Accept Temp. Works Design and Method Statement	NA	٦ As Possible	864 days	Tue 23/9/26	Thu 26/2/5	224 days	\\WingTatNasC
9	Public Liaison and Negotiation with Village Rep.	NA	٦ As Possible	164 days	Tue 23/9/12	Thu 24/2/22	0 days	\\WingTatNasC
10	Initial Survey	NA	٦ As Possible	714 days	Fri 24/2/23	Thu 26/2/5	224 days	9,6FS-1 day
11	Initial Safety & Environmental measures [A]	NA	٦ As Possible	21 days	Fri 24/2/23	Thu 24/3/14	0 days	9,6FS-1 day
14	Setup of instrumentation and monitoring [A]	Thu 27/3/4	o Later Than	28 days	Fri 24/3/15	Thu 24/4/11	1057 days	11
16	EIAO Commencement of Construction [A]	NA	٦ As Possible	1 day	Wed 24/2/21	Wed 24/2/21	1107 days	\\WingTatNasC
17	Environmental Baseline Monitoring [A]	NA	٦ As Possible	28 days	Tue 24/1/23	Mon 24/2/19	1136 days	16FS-30 days
18	Condition Survey [A]	NA	٦ As Possible	28 days	Fri 24/3/15	Thu 24/4/11	0 days	11
19	Vegetation Survey [A]	NA	٦ As Possible	28 days	Fri 24/3/15	Thu 24/4/11	0 days	11
20	Tree Survey [A]	NA	٦ As Possible	28 days	Fri 24/3/15	Thu 24/4/11	0 days	11
21	Site Clearance [A]	NA	٦ As Possible	60 days	Fri 24/4/12	Mon 24/6/10	0 days	18,19,20
22	[PMIxxx] TPRP for Additional Trees (impact to be ascertained)	NA	٦ As Possible	90 days	Sun 24/5/12	Fri 24/8/9	0 days	21FS-30 days
23	[PMI-xxx] Aquilaria Sinensis seedling (impact to be ascertained)	Thu 27/3/4	o Later Than	60 days	Sun 24/5/12	Wed 24/7/10	967 days	21FS-30 days
24	UU detection	NA	٦ As Possible	30 days	Sun 24/5/12	Mon 24/6/10	30 days	21FS-30 days
25	Establish access(es) to channels [A]	NA	٦ As Possible	30 days	Sun 24/5/12	Mon 24/6/10	30 days	21FS-30 days
26	Guarding / Barrier / Hoarding [A]	NA	٦ As Possible	30 days	Tue 24/6/11	Wed 24/7/10	30 days	25,24
27	**Drainage Channels Works**	**NA**	**ı As Possible**	**937 days**	**Sat 24/8/10**	**Thu 27/3/4**	**0 days**	
28	Excavate & Backfill ex. Unregistered feature [A]	NA	٦ As Possible	20 days	Sat 24/8/10	Thu 24/8/29	0 days	26,22
29	Relocate/Divert ex. Utilities [A]	NA	٦ As Possible	20 days	Sat 24/8/10	Thu 24/8/29	0 days	26,22
30	Demolish & relocate metal frame YLL796/B/9 [A]	NA	٦ As Possible	30 days	Fri 24/8/30	Sat 24/9/28	0 days	28,29
31	**SSNV04 CH.A333.00~ CH.A361.00**	**NA**	**ı As Possible**	**53 days**	**Sun 24/9/29**	**Wed 24/11/20**	**0 days**	
32	Sheetpiling & Temp. Drainage Diversion [A]	NA	٦ As Possible	20 days	Sun 24/9/29	Fri 24/10/18	0 days	30
33	Excavation and Lateral Support [A]	NA	٦ As Possible	20 days	Mon 24/10/7	Sat 24/10/26	0 days	32FS-12 days
34	**Ground and Edge Beams**	**NA**	**ı As Possible**	**15 days**	**Tue 24/10/15**	**Tue 24/10/29**	**0 days**	
35	Rebar Fixing [A]	NA	٦ As Possible	10 days	Tue 24/10/15	Thu 24/10/24	0 days	33FS-12 days
36	Formwork Erection and Cast-in items [A]	NA	٦ As Possible	10 days	Sun 24/10/20	Tue 24/10/29	0 days	35FS-5 days
37	Concreting [A]	NA	٦ As Possible	1 day	Fri 24/10/25	Fri 24/10/25	0 days	36FS-5 days
38	**Walls**	**NA**	**ı As Possible**	**15 days**	**Sat 24/10/26**	**Sat 24/11/9**	**839 days**	
39	Rebar Fixing	NA	٦ As Possible	10 days	Sat 24/10/26	Mon 24/11/4	839 days	37
40	Formwork Erection and Cast-in items	NA	٦ As Possible	10 days	Thu 24/10/31	Sat 24/11/9	839 days	39FS-5 days
41	Concreting	NA	٦ As Possible	1 day	Tue 24/11/5	Tue 24/11/5	839 days	40FS-5 days
42	Backfilling and Compaction	NA	٦ As Possible	10 days	Wed 24/11/6	Fri 24/11/15	839 days	41
43	Removal of Sheetpiles	NA	٦ As Possible	10 days	Mon 24/11/11	Wed 24/11/20	861 days	42FS-5 days
44	[PMI-017] Uncharted/Additional Trees obstructing the works [impact to be ascertained]	NA	As Soon As Possible	210 days	Sat 24/10/26	Fri 25/5/23	0 days	37
45	Relocate/Divert ex. Utilities	NA	٦ As Possible	14 days	Sat 24/10/26	Fri 24/11/8	60 days	37
46	Demolish & relocate wall and porch YLL796/B/5.5A	NA	٦ As Possible	14 days	Wed 24/10/30	Tue 24/11/12	60 days	45FS-10 days
47	Demolish & relocate booth, metal frame YLL796/B/16 [A]	NA	٦ As Possible	14 days	Wed 24/10/30	Tue 24/11/12	60 days	45FS-10 days
48	Demolish & relocate wall YLL796/B/17 [A]	NA	٦ As Possible	14 days	Wed 24/10/30	Tue 24/11/12	60 days	45FS-10 days
49	**SSNV07 CH.A0.00~ CH.A50.00**	**NA**	**ı As Possible**	**165 days**	**Wed 24/11/13**	**Sat 25/4/26**	**60 days**	
50	Sheetpiling & Temp. Drainage Diversion [A]	NA	٦ As Possible	40 days	Wed 24/11/13	Sun 24/12/22	60 days	45,46,47,48
51	Excavation and Lateral Support [A]	NA	٦ As Possible	40 days	Tue 24/12/3	Sat 25/1/11	60 days	50FS-20 days
52	**Ground and Edge Beams**	**NA**	**ı As Possible**	**48 days**	**Mon 24/12/23**	**Sat 25/2/8**	**60 days**	
53	Rebar Fixing [A]	NA	٦ As Possible	30 days	Mon 24/12/23	Tue 25/1/21	60 days	51FS-20 days
54	Formwork Erection and Cast-in items [A]	NA	٦ As Possible	30 days	Fri 25/1/10	Sat 25/2/8	60 days	53FS-12 days
55	Concreting [A]	NA	٦ As Possible	4 days	Tue 25/1/28	Fri 25/1/31	634 days	54FS-12 days
56	**Walls**	**NA**	**ı As Possible**	**58 days**	**Sat 25/2/1**	**Sun 25/3/30**	**634 days**	
57	Rebar Fixing	NA	٦ As Possible	35 days	Sat 25/2/1	Fri 25/3/7	634 days	55
58	Formwork Erection and Cast-in items	NA	٦ As Possible	35 days	Mon 25/2/24	Sun 25/3/30	634 days	57FS-12 days
59	Concreting	NA	٦ As Possible	4 days	Wed 25/3/19	Sat 25/3/22	634 days	58FS-12 days
60	Backfilling and Compaction	NA	٦ As Possible	25 days	Sun 25/3/23	Wed 25/4/16	634 days	59
61	Removal of Sheetpiles	NA	٦ As Possible	20 days	Mon 25/4/7	Sat 25/4/26	634 days	60FS-10 days
62	UU diversion (CLP, HKT, HKBN)	NA	٦ As Possible	15 days	Sun 25/4/27	Sun 25/5/11	634 days	61
63	Pedestrian Crossing no. 2	Thu 27/3/4	o Later Than	28 days	Mon 25/5/12	Sun 25/6/8	634 days	62
64	**SSNV07 CH.A50.00~ CH.A100.00**	**NA**	**ı As Possible**	**223 days**	**Sun 25/2/9**	**Fri 25/9/19**	**60 days**	
65	Sheetpiling & Temp. Drainage Diversion [obstructed, A]	NA	٦ As Possible	11 days	Sun 25/2/9	Wed 25/2/19	60 days	54
66	[NCE-xxx] Obstruction to sheet piling	NA	٦ As Possible	90 days	Thu 25/2/20	Tue 25/5/20	60 days	65
67	[PMI-092] Ground Investigation Works between Chainage CH.A50 to CH.A	Fri 25/3/14	ı Earlier Than	45 days	Fri 25/3/14	Sun 25/4/27	83 days	
68	Excavation and Lateral Support	NA	٦ As Possible	40 days	Wed 25/5/21	Sun 25/6/29	60 days	66,67
69	**Ground and Edge Beams**	**NA**	**ı As Possible**	**48 days**	**Tue 25/6/10**	**Sun 25/7/27**	**68 days**	
70	Rebar Fixing	NA	٦ As Possible	30 days	Tue 25/6/10	Wed 25/7/9	603 days	68FS-20 days
71	Formwork Erection and Cast-in items	NA	٦ As Possible	30 days	Sat 25/6/28	Sun 25/7/27	612 days	70FS-12 days
72	Concreting	NA	٦ As Possible	4 days	Wed 25/6/18	Sat 25/6/21	60 days	68FS-12 days
73	**Walls**	**NA**	**ı As Possible**	**58 days**	**Sun 25/6/22**	**Mon 25/8/18**	**60 days**	
74	Rebar Fixing	NA	٦ As Possible	35 days	Sun 25/6/22	Sat 25/7/26	60 days	72
75	Formwork Erection and Cast-in items	NA	٦ As Possible	35 days	Tue 25/7/15	Mon 25/8/18	60 days	74FS-12 days
76	Concreting	NA	٦ As Possible	4 days	Thu 25/8/7	Sun 25/8/10	60 days	75FS-12 days
77	Backfilling and Compaction	NA	٦ As Possible	30 days	Mon 25/8/11	Tue 25/9/9	60 days	76
78	Removal of Sheetpiles	NA	٦ As Possible	20 days	Sun 25/8/31	Fri 25/9/19	60 days	77FS-10 days
79	Demolish & relocate wall, hoarding YLL796/B/13,13B	NA	٦ As Possible	15 days	Wed 25/9/10	Wed 25/9/24	60 days	78FS-10 days
80	Demolish & relocate OSC YLL796/B/14A,14B	NA	٦ As Possible	15 days	Wed 25/9/10	Wed 25/9/24	60 days	78FS-10 days
81	Demolish & relocate fence & wall YLL796/B/14	NA	٦ As Possible	15 days	Wed 25/9/10	Wed 25/9/24	60 days	78FS-10 days
82	**SSNV05 CH.A200.00~ CH.A300.00**	**NA**	**ı As Possible**	**185 days**	**Thu 25/9/25**	**Sat 26/3/28**	**60 days**	
83	Sheetpiling & Temp. Drainage Diversion	NA	٦ As Possible	48 days	Thu 25/9/25	Tue 25/11/11	60 days	79,80,81
84	Excavation and Lateral Support	NA	٦ As Possible	48 days	Thu 25/10/23	Tue 25/12/9	60 days	83FS-20 days
85	**Ground and Edge Beams**	**NA**	**ı As Possible**	**48 days**	**Wed 25/11/19**	**Mon 26/1/5**	**60 days**	
86	Rebar Fixing	NA	٦ As Possible	30 days	Wed 25/11/19	Thu 25/12/18	60 days	84FS-21 days
87	Formwork Erection and Cast-in items	NA	٦ As Possible	30 days	Sun 25/12/7	Mon 26/1/5	60 days	86FS-12 days



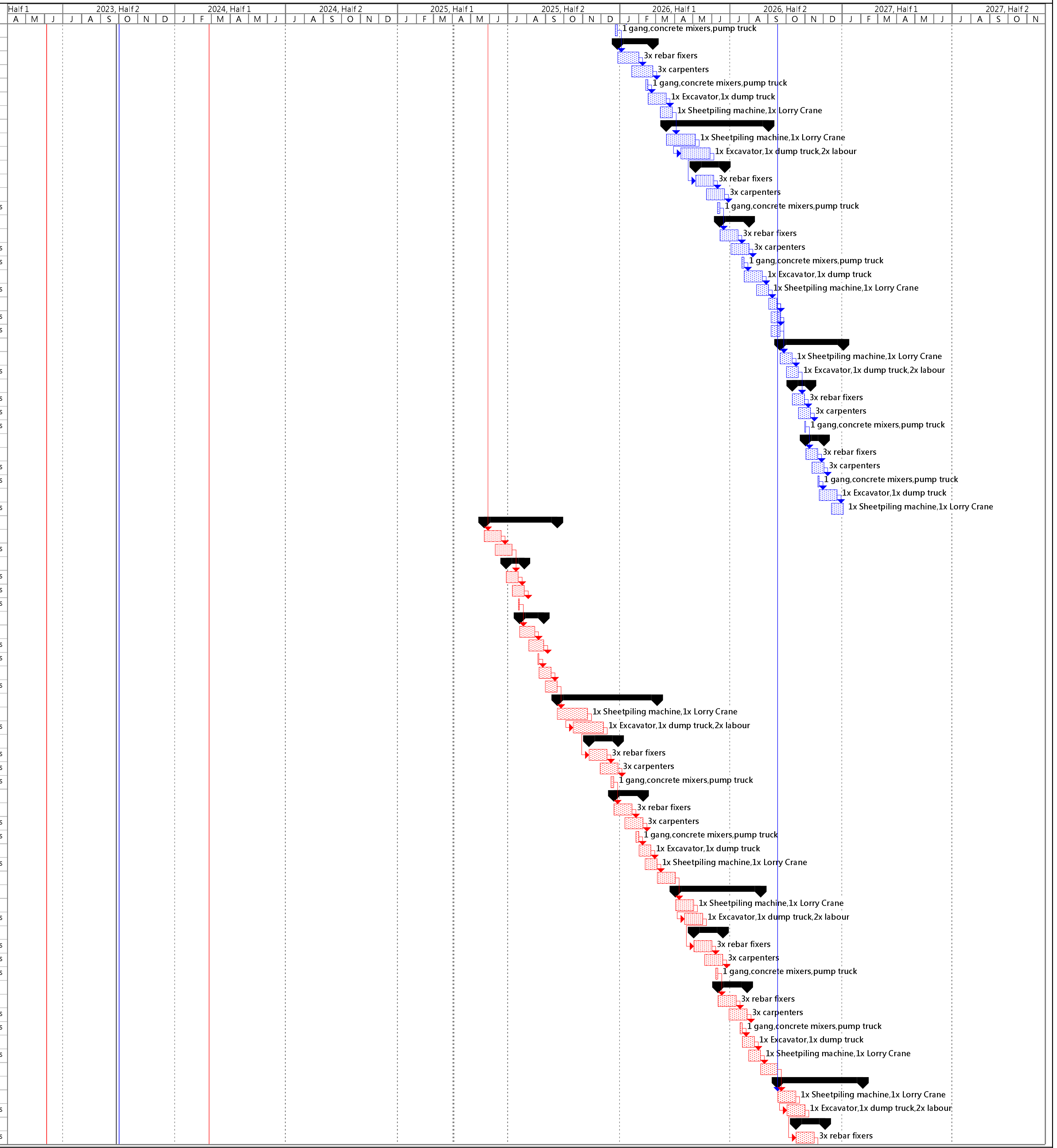
Revision.: 18.0 Date: 28 February 2025

´Task, Critical Task, Progress, Milestone, Summary, Rolled Up Task, Rolled Up Critical Task, Rolled Up Milestone, Rolled Up Progress, Split, External Tasks, Project Summary, Group By Summary, Deadline

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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
88	Concreting	NA	ı As Possible	4 days	Thu 25/12/25	Sun 25/12/28	60 days	87FS-12 days
89	**Walls**	**NA**	**ı As Possible**	**58 days**	**Mon 25/12/29**	**Tue 26/2/24**	**60 days**	
90	Rebar Fixing	NA	ı As Possible	35 days	Mon 25/12/29	Sun 26/2/1	60 days	88
91	Formwork Erection and Cast-in items	NA	ı As Possible	35 days	Wed 26/1/21	Tue 26/2/24	60 days	90FS-12 days
92	Concreting	NA	ı As Possible	4 days	Fri 26/2/13	Mon 26/2/16	60 days	91FS-12 days
93	Backfilling and Compaction	NA	ı As Possible	30 days	Tue 26/2/17	Wed 26/3/18	60 days	92
94	Removal of Sheetpiles	NA	ı As Possible	20 days	Mon 26/3/9	Sat 26/3/28	60 days	93FS-10 days
95	**SSNV06 CH.A100.00~CH.A200.00**	**NA**	**ı As Possible**	**168 days**	**Thu 26/3/19**	**Wed 26/9/2**	**60 days**	
96	Sheetpiling & Temp. Drainage Diversion	NA	ı As Possible	48 days	Thu 26/3/19	Tue 26/5/5	60 days	94FS-10 days
97	Excavation and Lateral Support	NA	ı As Possible	48 days	Sun 26/4/12	Fri 26/5/29	60 days	96FS-24 days
98	**Ground and Edge Beams**	**NA**	**ı As Possible**	**48 days**	**Wed 26/5/6**	**Mon 26/6/22**	**60 days**	
99	Rebar Fixing	NA	ı As Possible	30 days	Wed 26/5/6	Thu 26/6/4	60 days	97FS-24 days
100	Formwork Erection and Cast-in items	NA	ı As Possible	30 days	Sun 26/5/24	Mon 26/6/22	60 days	99FS-12 days
101	Concreting	NA	ı As Possible	4 days	Thu 26/6/11	Sun 26/6/14	60 days	100FS-12 days
102	**Walls**	**NA**	**ı As Possible**	**48 days**	**Mon 26/6/15**	**Sat 26/8/1**	**60 days**	
103	Rebar Fixing	NA	ı As Possible	30 days	Mon 26/6/15	Tue 26/7/14	60 days	101
104	Formwork Erection and Cast-in items	NA	ı As Possible	30 days	Fri 26/7/3	Sat 26/8/1	60 days	103FS-12 days
105	Concreting	NA	ı As Possible	4 days	Tue 26/7/21	Fri 26/7/24	60 days	104FS-12 days
106	Backfilling and Compaction	NA	ı As Possible	30 days	Sat 26/7/25	Sun 26/8/23	60 days	105
107	Removal of Sheetpiles	NA	ı As Possible	20 days	Fri 26/8/14	Wed 26/9/2	60 days	106FS-10 days
108	Animal Escape Ramp	Thu 27/3/4	o Later Than	14 days	Thu 26/9/3	Wed 26/9/16	60 days	107
109	Demolish & relocate metal frame YLL796/B/6	NA	ı As Possible	15 days	Mon 26/9/7	Mon 26/9/21	60 days	108FS-10 days
110	Demolish & relocate metal frame YLL796/B/7-8	NA	ı As Possible	15 days	Mon 26/9/7	Mon 26/9/21	60 days	108FS-10 days
111	**SSNV04 CH.A300.00~CH.A333.00**	**NA**	**ı As Possible**	**104 days**	**Tue 26/9/22**	**Sun 27/1/3**	**60 days**	
112	Sheetpiling & Temp. Drainage Diversion	NA	ı As Possible	20 days	Tue 26/9/22	Sun 26/10/11	60 days	109,110
113	Excavation and Lateral Support	NA	ı As Possible	20 days	Fri 26/10/2	Wed 26/10/21	60 days	112FS-10 days
114	**Ground and Edge Beams**	**NA**	**ı As Possible**	**30 days**	**Mon 26/10/12**	**Tue 26/11/10**	**60 days**	
115	Rebar Fixing	NA	ı As Possible	20 days	Mon 26/10/12	Sat 26/10/31	60 days	113FS-10 days
116	Formwork Erection and Cast-in items	NA	ı As Possible	20 days	Thu 26/10/22	Tue 26/11/10	60 days	115FS-10 days
117	Concreting	NA	ı As Possible	2 days	Sun 26/11/1	Mon 26/11/2	60 days	116FS-10 days
118	**Walls**	**NA**	**ı As Possible**	**30 days**	**Tue 26/11/3**	**Wed 26/12/2**	**60 days**	
119	Rebar Fixing	NA	ı As Possible	20 days	Tue 26/11/3	Sun 26/11/22	60 days	117
120	Formwork Erection and Cast-in items	NA	ı As Possible	20 days	Fri 26/11/13	Wed 26/12/2	60 days	119FS-10 days
121	Concreting	NA	ı As Possible	2 days	Mon 26/11/23	Tue 26/11/24	60 days	120FS-10 days
122	Backfilling and Compaction	NA	ı As Possible	30 days	Wed 26/11/25	Thu 26/12/24	60 days	121
123	Removal of Sheetpiles	Thu 27/3/4	o Later Than	20 days	Tue 26/12/15	Sun 27/1/3	60 days	122FS-10 days
124	**SSNV04 CH.A361.00~CH.A400.00**	**NA**	**ı As Possible**	**120 days**	**Sat 25/5/24**	**Sat 25/9/20**	**0 days**	
125	Sheetpiling & Temp. Drainage Diversion	NA	ı As Possible	28 days	Sat 25/5/24	Fri 25/6/20	0 days	44
126	Excavation and Lateral Support	NA	ı As Possible	28 days	Wed 25/6/11	Tue 25/7/8	0 days	125FS-10 days
127	**Ground and Edge Beams**	**NA**	**ı As Possible**	**30 days**	**Sun 25/6/29**	**Mon 25/7/28**	**0 days**	
128	Rebar Fixing	NA	ı As Possible	20 days	Sun 25/6/29	Fri 25/7/18	0 days	126FS-10 days
129	Formwork Erection and Cast-in items	NA	ı As Possible	20 days	Wed 25/7/9	Mon 25/7/28	0 days	128FS-10 days
130	Concreting	NA	ı As Possible	2 days	Sat 25/7/19	Sun 25/7/20	0 days	129FS-10 days
131	**Walls**	**NA**	**ı As Possible**	**40 days**	**Mon 25/7/21**	**Fri 25/8/29**	**0 days**	
132	Rebar Fixing	NA	ı As Possible	25 days	Mon 25/7/21	Thu 25/8/14	0 days	130
133	Formwork Erection and Cast-in items	NA	ı As Possible	25 days	Tue 25/8/5	Fri 25/8/29	0 days	132FS-10 days
134	Concreting	NA	ı As Possible	2 days	Wed 25/8/20	Thu 25/8/21	0 days	133FS-10 days
135	Backfilling and Compaction	NA	ı As Possible	20 days	Fri 25/8/22	Wed 25/9/10	0 days	134
136	Removal of Sheetpiles	NA	ı As Possible	20 days	Mon 25/9/1	Sat 25/9/20	0 days	135FS-10 days
137	**SSNV03 CH.A400.00~CH.A500.00**	**NA**	**ı As Possible**	**164 days**	**Sun 25/9/21**	**Tue 26/3/3**	**0 days**	
138	Sheetpiling & Temp. Drainage Diversion	NA	ı As Possible	50 days	Sun 25/9/21	Sun 25/11/9	0 days	136
139	Excavation and Lateral Support	NA	ı As Possible	50 days	Fri 25/10/17	Fri 25/12/5	0 days	138FS-24 days
140	**Ground and Edge Beams**	**NA**	**ı As Possible**	**48 days**	**Wed 25/11/12**	**Mon 25/12/29**	**0 days**	
141	Rebar Fixing	NA	ı As Possible	30 days	Wed 25/11/12	Thu 25/12/11	0 days	139FS-24 days
142	Formwork Erection and Cast-in items	NA	ı As Possible	30 days	Sun 25/11/30	Mon 25/12/29	0 days	141FS-12 days
143	Concreting	NA	ı As Possible	5 days	Thu 25/12/18	Mon 25/12/22	0 days	142FS-12 days
144	**Walls**	**NA**	**ı As Possible**	**48 days**	**Tue 25/12/23**	**Sun 26/2/8**	**0 days**	
145	Rebar Fixing	NA	ı As Possible	30 days	Tue 25/12/23	Wed 26/1/21	0 days	143
146	Formwork Erection and Cast-in items	NA	ı As Possible	30 days	Sat 26/1/10	Sun 26/2/8	0 days	145FS-12 days
147	Concreting	NA	ı As Possible	5 days	Wed 26/1/28	Sun 26/2/1	0 days	146FS-12 days
148	Backfilling and Compaction	NA	ı As Possible	20 days	Mon 26/2/2	Sat 26/2/21	0 days	147
149	Removal of Sheetpiles	NA	ı As Possible	20 days	Thu 26/2/12	Tue 26/3/3	0 days	148FS-10 days
150	1:2 slope works	Thu 27/3/4	o Later Than	30 days	Wed 26/3/4	Thu 26/4/2	0 days	149
151	**SSNV01 CH.A559.5~CH.A608.13**	**NA**	**ı As Possible**	**140 days**	**Fri 26/4/3**	**Thu 26/8/20**	**0 days**	
152	Sheetpiling & Temp. Drainage Diversion	NA	ı As Possible	30 days	Fri 26/4/3	Sat 26/5/2	0 days	150
153	Excavation and Lateral Support	NA	ı As Possible	30 days	Sat 26/4/18	Sun 26/5/17	0 days	152FS-15 days
154	**Ground and Edge Beams**	**NA**	**ı As Possible**	**48 days**	**Sun 26/5/3**	**Fri 26/6/19**	**0 days**	
155	Rebar Fixing	NA	ı As Possible	30 days	Sun 26/5/3	Mon 26/6/1	0 days	153FS-15 days
156	Formwork Erection and Cast-in items	NA	ı As Possible	30 days	Thu 26/5/21	Fri 26/6/19	0 days	155FS-12 days
157	Concreting	NA	ı As Possible	4 days	Mon 26/6/8	Thu 26/6/11	0 days	156FS-12 days
158	**Walls**	**NA**	**ı As Possible**	**48 days**	**Fri 26/6/12**	**Wed 26/7/29**	**0 days**	
159	Rebar Fixing	NA	ı As Possible	30 days	Fri 26/6/12	Sat 26/7/11	0 days	157
160	Formwork Erection and Cast-in items	NA	ı As Possible	30 days	Tue 26/6/30	Wed 26/7/29	0 days	159FS-12 days
161	Concreting	NA	ı As Possible	4 days	Sat 26/7/18	Tue 26/7/21	0 days	160FS-12 days
162	Backfilling and Compaction	NA	ı As Possible	20 days	Wed 26/7/22	Mon 26/8/10	0 days	161
163	Removal of Sheetpiles	NA	ı As Possible	20 days	Sat 26/8/1	Thu 26/8/20	0 days	162FS-10 days
164	Pedestrian Crossing no. 1	Thu 27/3/4	o Later Than	28 days	Fri 26/8/21	Thu 26/9/17	0 days	163
165	**SSNV02 CH.A500.00~CH.A559.5**	**NA**	**ı As Possible**	**140 days**	**Fri 26/9/18**	**Thu 27/2/4**	**0 days**	
166	Sheetpiling & Temp. Drainage Diversion	NA	ı As Possible	30 days	Fri 26/9/18	Sat 26/10/17	0 days	8,10,164
167	Excavation and Lateral Support	NA	ı As Possible	30 days	Sat 26/10/3	Sun 26/11/1	0 days	166FS-15 days
168	**Ground and Edge Beams**	**NA**	**ı As Possible**	**48 days**	**Sun 26/10/18**	**Fri 26/12/4**	**0 days**	
169	Rebar Fixing	NA	ı As Possible	30 days	Sun 26/10/18	Mon 26/11/16	0 days	167FS-15 days

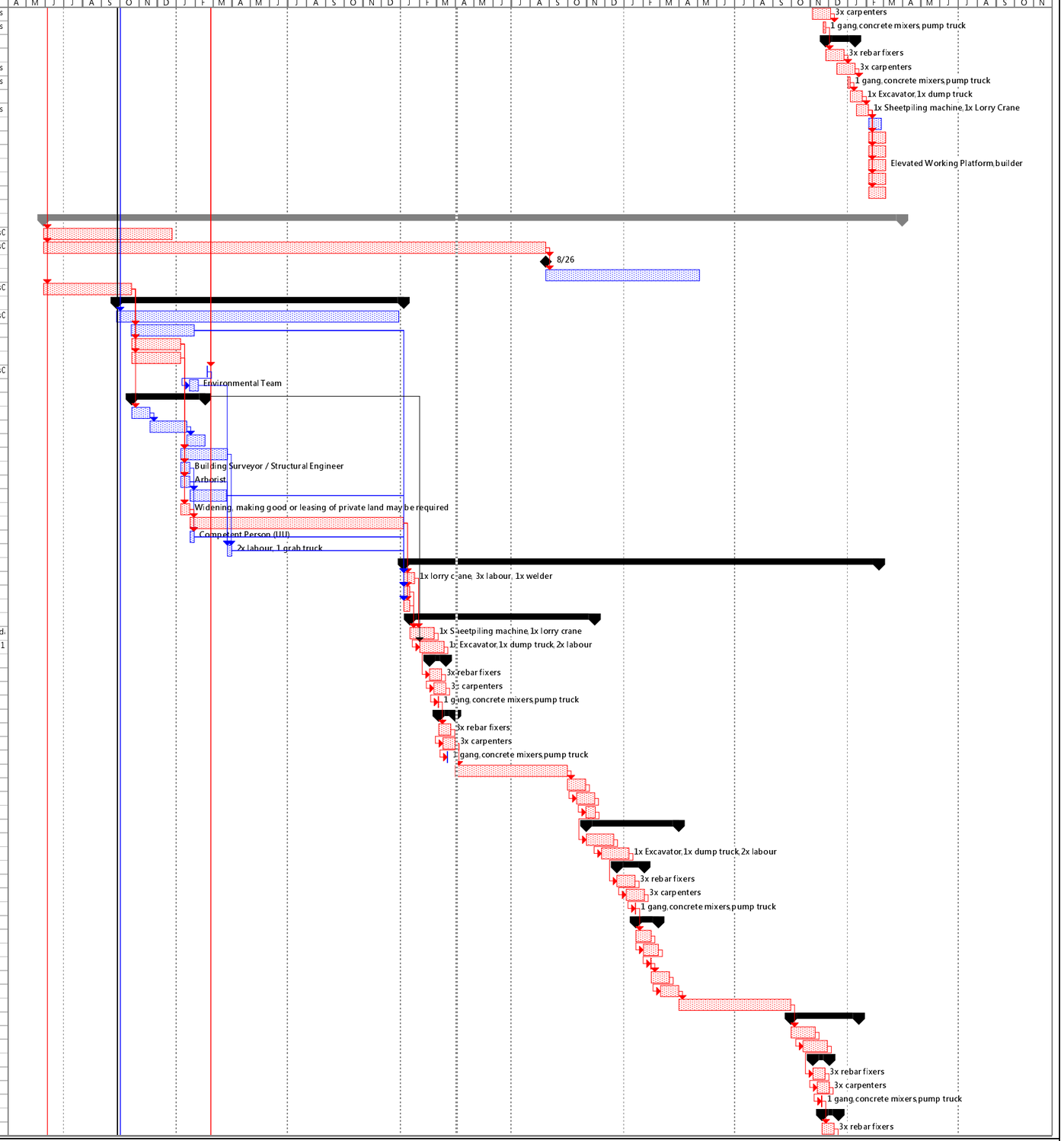


Revision.: 18.0	Date: 28 February 2025	´Task		Progress		Summary		Rolled Up Critical Task		Rolled Up Progress	
		Critical Task		Milestone		Rolled Up Task		Rolled Up Milestone		Split	
		External Tasks		Group By Summary							
		Project Summary		Deadline							

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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
170	Formwork Erection and Cast-in items	NA	As Possible	30 days	Thu 26/11/5	Fri 26/12/4	0 days	169FS-12 days
171	Concreting	NA	As Possible	4 days	Mon 26/11/23	Thu 26/11/26	0 days	170FS-12 days
172	**Walls**	**NA**	**As Possible**	**48 days**	**Fri 26/11/27**	**Wed 27/1/13**	**0 days**	
173	Rebar Fixing	NA	As Possible	30 days	Fri 26/11/27	Sat 26/12/26	0 days	171
174	Formwork Erection and Cast-in items	NA	As Possible	30 days	Tue 26/12/15	Wed 27/1/13	0 days	173FS-12 days
175	Concreting	NA	As Possible	4 days	Sat 27/1/2	Tue 27/1/5	0 days	174FS-12 days
176	Backfilling and Compaction	NA	As Possible	20 days	Wed 27/1/6	Mon 27/1/25	0 days	175
177	Removal of Sheetpiles	NA	As Possible	20 days	Sat 27/1/16	Thu 27/2/4	0 days	176FS-10 days
178	Modify ex. Channel at Outlet	Thu 27/3/4	No Later Than	21 days	Fri 27/2/5	Thu 27/2/25	7 days	177
179	Connection to ex. Stream	Thu 27/3/4	No Later Than	28 days	Fri 27/2/5	Thu 27/3/4	0 days	177
180	U-channels	Thu 27/3/4	No Later Than	28 days	Fri 27/2/5	Thu 27/3/4	0 days	177
181	Facing stone	Thu 27/3/4	No Later Than	28 days	Fri 27/2/5	Thu 27/3/4	0 days	177
182	ABWF works	Thu 27/3/4	No Later Than	28 days	Fri 27/2/5	Thu 27/3/4	0 days	177
183	Bedding works	Thu 27/3/4	No Later Than	28 days	Fri 27/2/5	Thu 27/3/4	0 days	177
113								
114	**Section II**	**NA**	**As Possible**	**1402 days**	**Tue 23/5/30**	**Wed 27/3/31**	**0 days**	
2	access date of Portion B	Mon 23/12/25	No Later Than	210 days	Tue 23/5/30	Mon 23/12/25	0 days	\\WingTatNasC
3	section II (Tai Wo)	NA	As Possible	820 days	Tue 23/5/30	Tue 25/8/26	0 days	\\WingTatNasC
4	Extended Completion Day	Tue 25/8/26	No Later Than	0 days	Tue 25/8/26	Tue 25/8/26	0 days	3
5	Planned Completion Day	Wed 27/3/31	No Later Than	251 days	Wed 25/8/27	Mon 26/5/4	331 days	3
6	Early access [A]	NA	As Possible	144 days	Tue 23/5/30	Fri 23/10/20	0 days	\\WingTatNasC
7	**Site Establishment**	**NA**	**As Possible**	**469 days**	**Tue 23/9/26**	**Mon 25/1/6**	**25 days**	
8	Prepare and Accept Temp. Works Design and Method Statement	Wed 27/3/31	No Later Than	461 days	Tue 23/9/26	Sun 24/12/29	822 days	\\WingTatNasC
9	Public Liaison and Negotiation with Village Rep.	NA	As Possible	103 days	Fri 23/10/20	Tue 24/1/30	342 days	6FS-1 day
10	Initial Survey	NA	As Possible	80 days	Sat 23/10/21	Mon 24/1/8	0 days	6
11	Initial Safety & Environmental measures	NA	As Possible	80 days	Sat 23/10/21	Mon 24/1/8	0 days	6
13	EIAO Commencement of Construction	NA	As Possible	1 day	Wed 24/2/21	Wed 24/2/21	328 days	\\WingTatNasC
14	Environmental Baseline Monitoring	NA	As Possible	15 days	Tue 24/1/23	Tue 24/2/6	328 days	13FS-30 days
15	**Subcontracting of works**	**NA**	**As Possible**	**120 days**	**Sat 23/10/21**	**Sat 24/2/17**	**350 days**	
16	Preparation of tendering documents	NA	As Possible	30 days	Sat 23/10/21	Sun 23/11/19	350 days	6
17	EWN007 Ambiguities on drawings	NA	As Possible	60 days	Mon 23/11/20	Thu 24/1/18	350 days	16
18	C9 Tendering procedure for Tai Wo RC works	NA	As Possible	30 days	Fri 24/1/19	Sat 24/2/17	350 days	17
20	Setup of instrumentation and monitoring	NA	As Possible	76 days	Tue 24/1/9	Sun 24/3/24	281 days	11,10
21	Condition Survey [A]	NA	As Possible	15 days	Tue 24/1/9	Tue 24/1/23	342 days	11,10
22	Tree Survey [A]	NA	As Possible	15 days	Tue 24/1/9	Tue 24/1/23	289 days	11,10
23	[PMIxxx] TPRP for Additional Trees (impact to be ascertained)	NA	As Possible	60 days	Wed 24/1/24	Sat 24/3/23	289 days	22
24	Establish access(es) to channels	NA	As Possible	15 days	Tue 24/1/9	Tue 24/1/23	0 days	11,10
25	[NCExxx] [EWN008] Blockade of access by others (impact to be ascertained)	NA	As Possible	349 days	Wed 24/1/24	Mon 25/1/6	0 days	24
26	UU detection [A]	NA	As Possible	7 days	Wed 24/1/24	Tue 24/1/30	342 days	21,24
27	Site Clearance [A]	NA	As Possible	7 days	Mon 24/3/25	Sun 24/3/31	281 days	22,20,14
28	**Drainage Channels Works (Dry Season Oct-Mar only)**	**NA**	**As Possible**	**776 days**	**Tue 25/1/7**	**Sun 27/2/21**	**0 days**	
29	Guarding / Barrier / Hoarding	NA	As Possible	18 days	Tue 25/1/7	Fri 25/1/24	0 days	27,26,9,25,23
30	Demolish fences and temp. structure	NA	As Possible	10 days	Tue 25/1/7	Thu 25/1/16	0 days	27,26,9,25,23
31	Demolish & relocate hoarding, fencing YLL803	NA	As Possible	10 days	Tue 25/1/7	Thu 25/1/16	0 days	27,26,9,25,23
32	**CH.A200~ CH.A288.29**	**NA**	**As Possible**	302 days	**Fri 25/1/17**	**Fri 25/11/14**	**0 days**	
33	Sheetpiling & Temp. Drainage Diversion (for non-open-cut portions)	NA	As Possible	40 days	Fri 25/1/17	Tue 25/2/25	0 days	30,31,29FS-8 d
34	Excavation and Lateral Support	NA	As Possible	40 days	Sun 25/2/2	Thu 25/3/13	0 days	33FS-24 days,1
35	**Base Slab**	**NA**	**As Possible**	27 days	**Tue 25/2/18**	**Sun 25/3/16**	**0 days**	
36	Rebar Fixing	NA	As Possible	20 days	Tue 25/2/18	Sun 25/3/9	0 days	34FS-24 days
37	Formwork Erection and Cast-in items	NA	As Possible	20 days	Tue 25/2/25	Sun 25/3/16	0 days	36FS-13 days
38	Concreting	NA	As Possible	1 day	Tue 25/3/4	Tue 25/3/4	0 days	37FS-13 days
39	**Walls**	**NA**	**As Possible**	27 days	**Wed 25/3/5**	**Mon 25/3/31**	**0 days**	
40	Rebar Fixing	NA	As Possible	20 days	Wed 25/3/5	Mon 25/3/24	0 days	38
41	Formwork Erection and Cast-in items	NA	As Possible	20 days	Wed 25/3/12	Mon 25/3/31	0 days	40FS-13 days
42	Concreting	NA	As Possible	1 day	Wed 25/3/19	Wed 25/3/19	742 days	41FS-13 days
43	[NCExxx] [EWN008] No works at wet season	NA	As Possible	183 days	Tue 25/4/1	Tue 25/9/30	0 days	41
44	Backfilling and Compaction	NA	As Possible	30 days	Wed 25/10/1	Thu 25/10/30	0 days	43
45	Removal of Sheetpiles	NA	As Possible	30 days	Thu 25/10/16	Fri 25/11/14	0 days	44FS-15 days
46	Connection to ex. Channel at Outlet	Wed 27/3/31	No Later Than	16 days	Fri 25/10/31	Sat 25/11/15	0 days	45FS-15 days
47	**CH.A100~ CH.A200**	**NA**	**As Possible**	**151 days**	**Sat 25/11/1**	**Tue 26/3/31**	**0 days**	
48	Sheetpiling & Temp. Drainage Diversion (for non-open-cut portions)	NA	As Possible	45 days	Sat 25/11/1	Mon 25/12/15	0 days	46FS-15 days
49	Excavation and Lateral Support	NA	As Possible	45 days	Wed 25/11/26	Fri 26/1/9	0 days	48FS-20 days
50	**Base Slab**	**NA**	**As Possible**	45 days	**Sun 25/12/21**	**Tue 26/2/3**	**0 days**	
51	Rebar Fixing	NA	As Possible	30 days	Sun 25/12/21	Mon 26/1/19	0 days	49FS-20 days
52	Formwork Erection and Cast-in items	NA	As Possible	30 days	Mon 26/1/5	Tue 26/2/3	0 days	51FS-15 days
53	Concreting	NA	As Possible	1 day	Tue 26/1/20	Tue 26/1/20	0 days	52FS-15 days
54	**Walls**	**NA**	**As Possible**	**37 days**	**Wed 26/1/21**	**Thu 26/2/26**	**0 days**	
55	Rebar Fixing	NA	As Possible	25 days	Wed 26/1/21	Sat 26/2/14	0 days	53
56	Formwork Erection and Cast-in items	NA	As Possible	25 days	Mon 26/2/2	Thu 26/2/26	0 days	55FS-13 days
57	Concreting	NA	As Possible	1 day	Sat 26/2/14	Sat 26/2/14	0 days	56FS-13 days
58	Backfilling and Compaction	NA	As Possible	30 days	Sun 26/2/15	Mon 26/3/16	0 days	57
59	Removal of Sheetpiles	NA	As Possible	30 days	Mon 26/3/2	Tue 26/3/31	0 days	58FS-15 days
60	[NCExxx] [EWN008] No works at wet season	NA	As Possible	183 days	Wed 26/4/1	Wed 26/9/30	0 days	59
61	**CH.A19.69~ CH.A100**	**NA**	**As Possible**	**111 days**	**Thu 26/10/1**	**Tue 27/1/19**	**0 days**	
62	Sheetpiling & Temp. Drainage Diversion (for non-open-cut portions)	NA	As Possible	40 days	Thu 26/10/1	Mon 26/11/9	0 days	60
63	Excavation and Lateral Support	NA	As Possible	40 days	Wed 26/10/21	Sun 26/11/29	0 days	62FS-20 days
64	**Base Slab**	**NA**	**As Possible**	27 days	**Fri 26/11/6**	**Wed 26/12/2**	**0 days**	
65	Rebar Fixing	NA	As Possible	20 days	Fri 26/11/6	Wed 26/11/25	0 days	63FS-24 days
66	Formwork Erection and Cast-in items	NA	As Possible	20 days	Fri 26/11/13	Wed 26/12/2	0 days	65FS-13 days
67	Concreting	NA	As Possible	1 day	Fri 26/11/20	Fri 26/11/20	0 days	66FS-13 days
68	**Walls**	**NA**	**As Possible**	27 days	**Sat 26/11/21**	**Thu 26/12/17**	**0 days**	
69	Rebar Fixing	NA	As Possible	20 days	Sat 26/11/21	Thu 26/12/10	0 days	67



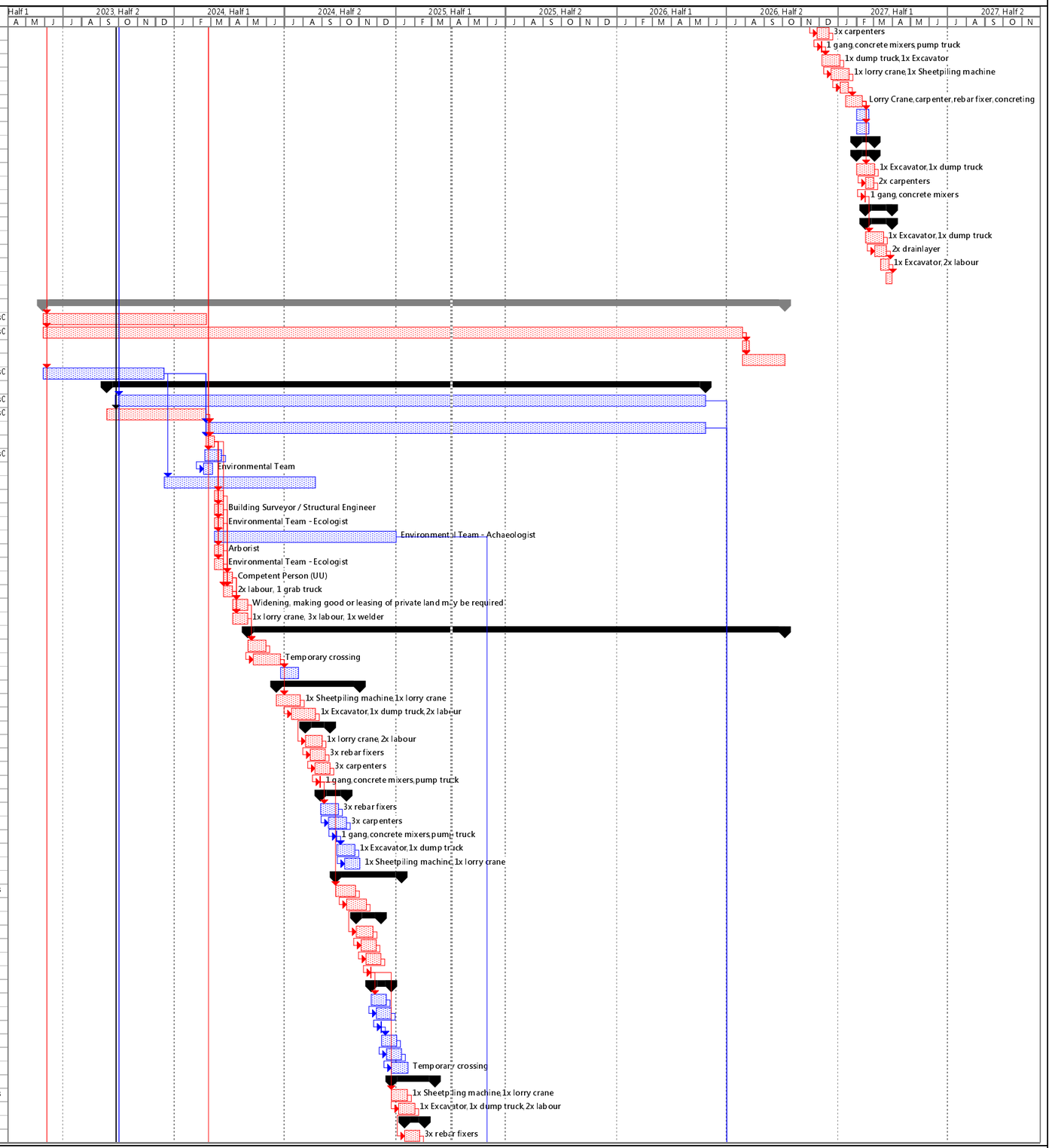
Revision.: 18.0 Date: 28 February 2025

Task | 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
70	Formwork Erection and Cast-in items	NA	As Possible	20 days	Sat 26/11/28	Thu 26/12/17	0 days	69FS-13 days
71	Concreting	NA	As Possible	1 day	Sat 26/12/5	Sat 26/12/5	0 days	70FS-13 days
72	Backfilling and Compaction	NA	As Possible	30 days	Sun 26/12/6	Mon 27/1/4	0 days	71
73	Removal of Sheetpiles	NA	As Possible	30 days	Mon 26/12/21	Tue 27/1/19	0 days	72FS-15 days
74	900 pipe with flap valve	Wed 27/3/31	o Later Than	14 days	Tue 27/1/5	Mon 27/1/18	0 days	73FS-15 days
75	Box Culvert & Pedestrian Crossing	Wed 27/3/31	o Later Than	28 days	Thu 27/1/14	Wed 27/2/10	0 days	74FS-5 days
76	ABWF works	Wed 27/3/31	o Later Than	21 days	Mon 27/2/1	Sun 27/2/21	38 days	75FS-10 days
77	Bedding works	Wed 27/3/31	o Later Than	21 days	Mon 27/2/1	Sun 27/2/21	38 days	75FS-10 days
78	**U-Channel Works**	**NA**	**As Possible**	30 days	**Mon 27/2/1**	**Tue 27/3/2**	**0 days**	
79	**CH.A0.00~CH.A16.40,900CU, L=16.40**	**NA**	**As Possible**	30 days	**Mon 27/2/1**	**Tue 27/3/2**	**0 days**	
80	Excavation and Lateral Support	NA	As Possible	30 days	Mon 27/2/1	Tue 27/3/2	0 days	75FS-10 days
81	Channel Formwork Erection	NA	As Possible	14 days	Tue 27/2/16	Mon 27/3/1	0 days	80FS-15 days
82	Concreting	NA	As Possible	1 day	Mon 27/2/15	Mon 27/2/15	0 days	81FS-15 days
83	**Drain Laying Works**	**NA**	**As Possible**	44 days	**Tue 27/2/16**	**Wed 27/3/31**	**0 days**	
84	**CH.A16.40~ CH.A19.69,900PC,B,L=3.30,D=1.5**	**NA**	**As Possible**	44 days	**Tue 27/2/16**	**Wed 27/3/31**	**0 days**	
85	Excavation and Lateral Support	NA	As Possible	30 days	Tue 27/2/16	Wed 27/3/17	0 days	82
86	Drain Laying	NA	As Possible	20 days	Wed 27/3/3	Mon 27/3/22	0 days	85FS-15 days
87	Bedding and Backfilling	NA	As Possible	14 days	Sat 27/3/13	Fri 27/3/26	0 days	86FS-10 days
88	Reinstatement	Wed 27/3/31	o Later Than	10 days	Mon 27/3/22	Wed 27/3/31	0 days	87FS-5 days
115								
116	**Section III**	**NA**	**As Possible**	**1225 days**	**Tue 23/5/30**	**Mon 26/10/5**	**0 days**	
2	access date of Portion C1 & C2	Fri 24/2/23	o Later Than	270 days	Tue 23/5/30	Fri 24/2/23	0 days	\\WingTatNasC
3	section III (Lin Fa Tei)	NA	As Possible	1155 days	Tue 23/5/30	Mon 26/7/27	0 days	\\WingTatNasC
4	Extended Completion Day	Sat 26/8/8	o Later Than	11.5 days	Tue 26/7/28	Sat 26/8/8	0 days	3
5	Planned Completion Day	Mon 26/10/5	o Later Than	70 days	Tue 26/7/28	Mon 26/10/5	0 days	3
6	Early access (partial) [A]	NA	As Possible	200 days	Tue 23/5/30	Fri 23/12/15	70 days	\\WingTatNasC
7	**Site Establishment**	**NA**	**As Possible**	**989 days**	**Tue 23/9/12**	**Wed 26/5/27**	**0 days**	
8	Prepare and Accept Temp. Works Design and Method Statement	NA	As Possible	975 days	Tue 23/9/26	Wed 26/5/27	35 days	\\WingTatNasC
9	Public Liaison and Negotiation with Village Rep. [A]	NA	As Possible	164 days	Tue 23/9/12	Thu 24/2/22	0 days	\\WingTatNasC
10	Initial Survey	NA	As Possible	825 days	Fri 24/2/23	Wed 26/5/27	35 days	9,6FS-1 day
12	Initial Safety & Environmental measures [A]	NA	As Possible	14 days	Fri 24/2/23	Thu 24/3/7	0 days	9,6FS-1 day
14	EIAO Commencement of Construction [A]	NA	As Possible	28 days	Wed 24/2/21	Tue 24/3/19	930 days	\\WingTatNasC
16	Environmental Baseline Monitoring [A]	NA	As Possible	15 days	Mon 24/2/19	Mon 24/3/4	1122 days	14FS-30 days
17	Subcontracting of works	Mon 26/10/5	o Later Than	250 days	Sat 23/12/16	Wed 24/8/21	775 days	6
18	Setup of instrumentation and monitoring [A]	NA	As Possible	15 days	Fri 24/3/8	Fri 24/3/22	0 days	12
19	Condition Survey [A]	NA	As Possible	15 days	Fri 24/3/8	Fri 24/3/22	0 days	12
20	Freshwater Crab Translocation Plan [A]	NA	As Possible	15 days	Fri 24/3/8	Fri 24/3/22	0 days	12
21	Archaeological Survey	NA	As Possible	300 days	Fri 24/3/8	Wed 25/1/1	333 days	12
22	Tree Survey [A]	NA	As Possible	15 days	Fri 24/3/8	Fri 24/3/22	0 days	12
23	Vegetation Survey [A]	NA	As Possible	15 days	Fri 24/3/8	Fri 24/3/22	0 days	12
24	UU detection [A]	NA	As Possible	15 days	Sat 24/3/23	Sat 24/4/6	0 days	19,20
25	Site Clearance [A]	NA	As Possible	15 days	Sat 24/3/23	Sat 24/4/6	0 days	22,18,12,23
26	Establish access(es) to channels [A]	Mon 26/10/5	o Later Than	25 days	Sun 24/4/7	Wed 24/5/1	0 days	25,24
27	Guarding / Barrier / Hoarding [A]	NA	As Possible	25 days	Sun 24/4/7	Wed 24/5/1	0 days	25,24
28	**Drainage Channels Works**	**NA**	**As Possible**	**887 days**	**Thu 24/5/2**	**Mon 26/10/5**	**0 days**	
29	Demolish & relocate retaining wall YLL795/A/4-5 [A]	NA	As Possible	30 days	Thu 24/5/2	Fri 24/5/31	0 days	27,26
30	Pedestrian & Vehicular Crossing no. 1 [A]	NA	As Possible	45 days	Sat 24/5/11	Mon 24/6/24	0 days	29FS-21 days
31	CLP Cable Trough	NA	As Possible	30 days	Tue 24/6/25	Wed 24/7/24	980 days	30
32	**LFT06 CH.A173.5~CH.A227.75 (PVC1)**	**NA**	**As Possible**	**138 days**	**Tue 24/6/18**	**Sat 24/11/2**	**0 days**	
33	Temp. Drainage Diversion / Sheetpiling [A]	NA	As Possible	40 days	Tue 24/6/18	Sat 24/7/27	0 days	30FS-7 days
34	Excavation and Lateral Support [A]	NA	As Possible	40 days	Sat 24/7/13	Wed 24/8/21	0 days	33FS-15 days
35	**Ground and Edge Beams**	**NA**	**As Possible**	**41 days**	**Mon 24/8/5**	**Sat 24/9/14**	**0 days**	
36	Install precast reinforcement cage (ground beam) [A]	NA	As Possible	28 days	Mon 24/8/5	Sun 24/9/1	0 days	34FS-17 days
37	Rebar Fixing [A]	NA	As Possible	25 days	Tue 24/8/13	Fri 24/9/6	0 days	36FS-20 days
38	Formwork Erection and Cast-in items [A]	NA	As Possible	25 days	Wed 24/8/21	Sat 24/9/14	0 days	37FS-17 days
39	Concreting [A]	NA	As Possible	1 day	Thu 24/8/29	Thu 24/8/29	0 days	38FS-17 days
40	**Walls**	**NA**	**As Possible**	**43 days**	**Fri 24/8/30**	**Fri 24/10/11**	**710 days**	
41	Rebar Fixing	NA	As Possible	30 days	Fri 24/8/30	Sat 24/9/28	710 days	39
42	Formwork Erection and Cast-in items	NA	As Possible	30 days	Thu 24/9/12	Fri 24/10/11	710 days	41FS-17 days
43	Concreting	NA	As Possible	1 day	Wed 24/9/25	Wed 24/9/25	710 days	42FS-17 days
44	Backfilling and Compaction	NA	As Possible	30 days	Thu 24/9/26	Fri 24/10/25	710 days	43
45	Removal of Sheetpiles	NA	As Possible	25 days	Wed 24/10/9	Sat 24/11/2	879 days	44FS-17 days
46	**LFT07 CH.A227.5~CH.A300.75**	**NA**	**As Possible**	**109 days**	**Tue 24/9/24**	**Fri 25/1/10**	**0 days**	
47	Temp. Drainage Diversion / Sheetpiling [A]	NA	As Possible	33 days	Tue 24/9/24	Sat 24/10/26	0 days	39FS+25 days
48	Excavation and Lateral Support [A]	NA	As Possible	33 days	Sat 24/10/12	Wed 24/11/13	0 days	47FS-15 days
49	**Ground and Edge Beams**	**NA**	**As Possible**	**41 days**	**Mon 24/10/28**	**Sat 24/12/7**	**0 days**	
50	Install precast reinforcement cage (ground beam) [A]	NA	As Possible	28 days	Mon 24/10/28	Sun 24/11/24	0 days	48FS-17 days
51	Rebar Fixing [A]	NA	As Possible	25 days	Tue 24/11/5	Fri 24/11/29	0 days	50FS-20 days
52	Formwork Erection and Cast-in items [A]	NA	As Possible	25 days	Wed 24/11/13	Sat 24/12/7	0 days	51FS-17 days
53	Concreting [A]	NA	As Possible	1 day	Thu 24/11/21	Thu 24/11/21	0 days	52FS-17 days
54	**Walls**	**NA**	**As Possible**	**33 days**	**Fri 24/11/22**	**Tue 24/12/24**	**622 days**	
55	Rebar Fixing	NA	As Possible	25 days	Fri 24/11/22	Mon 24/12/16	622 days	53
56	Formwork Erection and Cast-in items	NA	As Possible	25 days	Sat 24/11/30	Tue 24/12/24	622 days	55FS-17 days
57	Concreting	NA	As Possible	1 day	Sun 24/12/8	Sun 24/12/8	622 days	56FS-17 days
58	Backfilling and Compaction	NA	As Possible	25 days	Mon 24/12/9	Thu 25/1/2	622 days	57
59	Removal of Sheetpiles	NA	As Possible	25 days	Tue 24/12/17	Fri 25/1/10	622 days	58FS-17 days
60	Pedestrian & Vehicular Crossing no. 2	Mon 26/10/5	o Later Than	28 days	Wed 24/12/25	Tue 25/1/21	622 days	59FS-17 days
61	**LFT05 CH.A163.00~ CH.A173.50**	**NA**	**As Possible**	**72 days**	**Wed 24/12/25**	**Thu 25/3/6**	**0 days**	
62	Temp. Drainage Diversion / Sheetpiling [A]	NA	As Possible	27 days	Wed 24/12/25	Mon 25/1/20	0 days	53FS+33 days
63	Excavation and Lateral Support	NA	As Possible	27 days	Mon 25/1/6	Sat 25/2/1	0 days	62FS-15 days
64	**Ground and Edge Beams**	**NA**	**As Possible**	**33 days**	**Thu 25/1/16**	**Mon 25/2/17**	**0 days**	
65	Rebar Fixing [A]	NA	As Possible	25 days	Thu 25/1/16	Sun 25/2/9	0 days	63FS-17 days



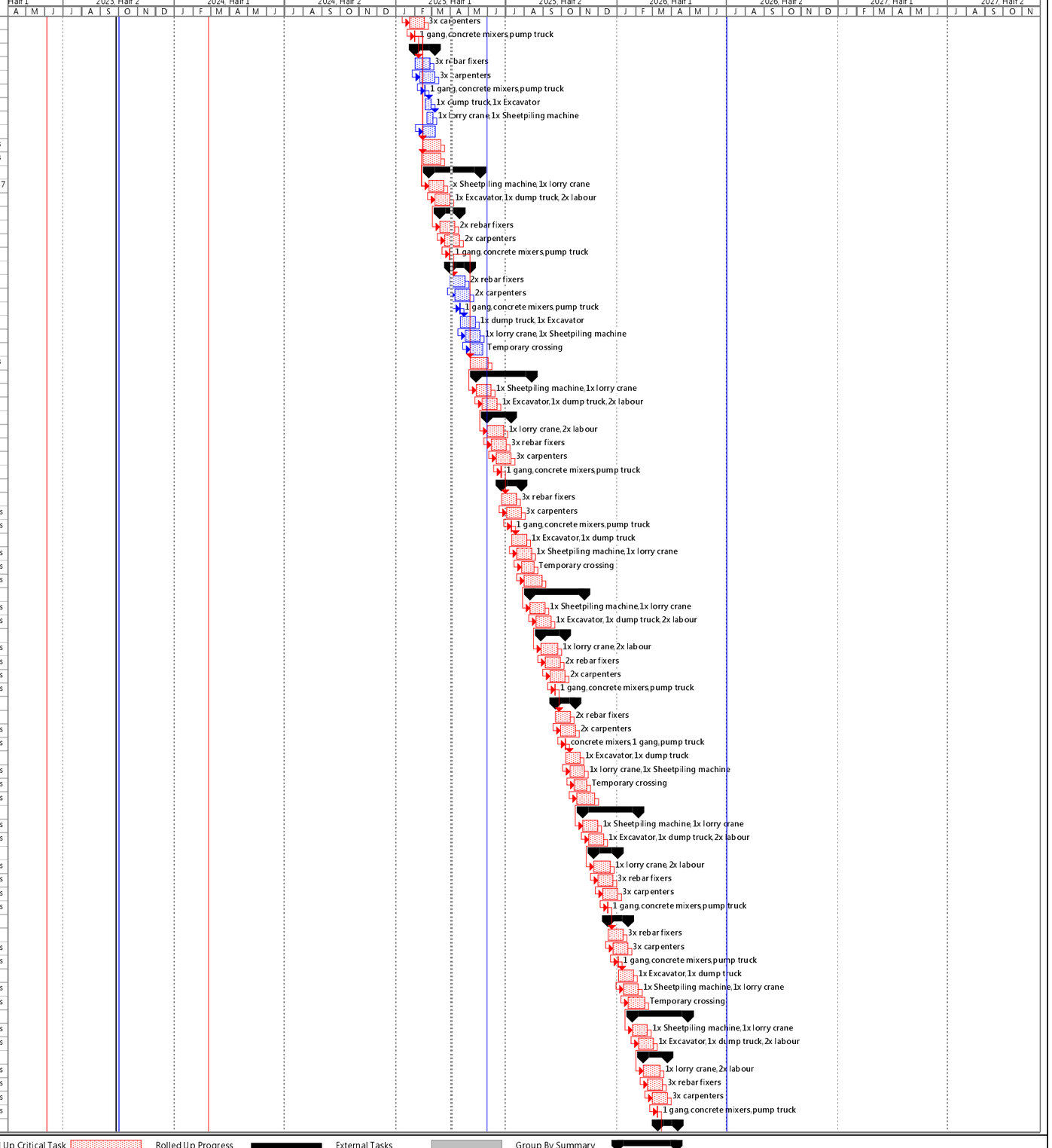
Revision.: 18.0 Date: 28 February 2025

´Task 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
66	Formwork Erection and Cast-in items [A]	NA	ɴ As Possible	25 days	Fri 25/1/24	Mon 25/2/17	0 days	65FS-17 days
67	Concreting [A]	NA	ɴ As Possible	1 day	Sat 25/2/1	Sat 25/2/1	0 days	66FS-17 days
68	**Walls**	**NA**	**ɴ As Possible**	**33 days**	**Sun 25/2/2**	**Thu 25/3/6**	**577 days**	
69	Rebar Fixing	NA	ɴ As Possible	25 days	Sun 25/2/2	Wed 25/2/26	577 days	67
70	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Mon 25/2/10	Thu 25/3/6	577 days	69FS-17 days
71	Concreting	NA	ɴ As Possible	1 day	Tue 25/2/18	Tue 25/2/18	577 days	70FS-17 days
72	Backfilling and Compaction	NA	ɴ As Possible	10 days	Wed 25/2/19	Fri 25/2/28	577 days	71
73	Removal of Sheetpiles	NA	ɴ As Possible	10 days	Sat 25/2/22	Mon 25/3/3	577 days	72FS-7 days
74	Animal Escape Ramps	Mon 26/10/5	ᴏ Later Than	21 days	Sat 25/2/15	Fri 25/3/7	577 days	73FS-17 days
75	Demolish & relocate retaining wall YLL796/A/5-6	NA	ɴ As Possible	30 days	Sat 25/2/15	Sun 25/3/16	0 days	67FS+13 days
76	Demolish & relocate AFCD Weir & pedestrian crossing	NA	ɴ As Possible	30 days	Sat 25/2/15	Sun 25/3/16	0 days	67FS+13 days
77	**LFT02 CH.A100.00~ CH.A163.00**	**NA**	**ɴ As Possible**	**85 days**	**Tue 25/2/25**	**Tue 25/5/20**	**0 days**	
78	Temp. Drainage Diversion / Sheetpiling	NA	ɴ As Possible	25 days	Tue 25/2/25	Fri 25/3/21	0 days	75FS-20 days,7
79	Excavation and Lateral Support	NA	ɴ As Possible	25 days	Fri 25/3/7	Mon 25/3/31	0 days	78FS-15 days
80	**Ground and Edge Beams**	**NA**	**ɴ As Possible**	**33 days**	**Sat 25/3/15**	**Wed 25/4/16**	**0 days**	
81	Rebar Fixing	NA	ɴ As Possible	25 days	Sat 25/3/15	Tue 25/4/8	0 days	79FS-17 days
82	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Sun 25/3/23	Wed 25/4/16	0 days	81FS-17 days
83	Concreting	NA	ɴ As Possible	1 day	Mon 25/3/31	Mon 25/3/31	0 days	82FS-17 days
84	**Walls**	**NA**	**ɴ As Possible**	**33 days**	**Tue 25/4/1**	**Sat 25/5/3**	**503 days**	
85	Rebar Fixing	NA	ɴ As Possible	25 days	Tue 25/4/1	Fri 25/4/25	503 days	83
86	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Wed 25/4/9	Sat 25/5/3	503 days	85FS-17 days
87	Concreting	NA	ɴ As Possible	1 day	Thu 25/4/17	Thu 25/4/17	503 days	86FS-17 days
88	Backfilling and Compaction	NA	ɴ As Possible	25 days	Fri 25/4/18	Mon 25/5/12	503 days	87
89	Removal of Sheetpiles	NA	ɴ As Possible	25 days	Sat 25/4/26	Tue 25/5/20	503 days	88FS-17 days
90	Pedestrian Crossing no. 2	NA	ɴ As Possible	21 days	Sun 25/5/4	Sat 25/5/24	676 days	89FS-17 days
91	Demolish & relocate retaining wall YLL796/A/14-15	NA	ɴ As Possible	30 days	Sun 25/5/4	Mon 25/6/2	0 days	83FS+33 days
92	**LFT08 CH.A300.75~ CH.A391.0**	**NA**	**ɴ As Possible**	**92 days**	**Wed 25/5/14**	**Wed 25/8/13**	**0 days**	
93	Temp. Drainage Diversion / Sheetpiling	NA	ɴ As Possible	25 days	Wed 25/5/14	Sat 25/6/7	0 days	91FS-20 days
94	Excavation and Lateral Support	NA	ɴ As Possible	25 days	Sat 25/5/24	Tue 25/6/17	0 days	93FS-15 days
95	**Ground and Edge Beams**	**NA**	**ɴ As Possible**	**40 days**	**Sun 25/6/1**	**Thu 25/7/10**	**0 days**	
96	Install precast portion (ground beam)	NA	ɴ As Possible	28 days	Sun 25/6/1	Sat 25/6/28	0 days	94FS-17 days
97	Rebar Fixing	NA	ɴ As Possible	25 days	Sun 25/6/8	Wed 25/7/2	0 days	96FS-21 days
98	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Mon 25/6/16	Thu 25/7/10	0 days	97FS-17 days
99	Concreting	NA	ɴ As Possible	1 day	Tue 25/6/24	Tue 25/6/24	0 days	98FS-17 days
100	**Walls**	**NA**	**ɴ As Possible**	**33 days**	**Wed 25/6/25**	**Sun 25/7/27**	**0 days**	
101	Rebar Fixing	NA	ɴ As Possible	25 days	Wed 25/6/25	Sat 25/7/19	0 days	99
102	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Thu 25/7/3	Sun 25/7/27	0 days	101FS-17 days
103	Concreting	NA	ɴ As Possible	1 day	Fri 25/7/11	Fri 25/7/11	0 days	102FS-17 days
104	Backfilling and Compaction	NA	ɴ As Possible	25 days	Sat 25/7/12	Tue 25/8/5	0 days	103
105	Removal of Sheetpiles	NA	ɴ As Possible	25 days	Sun 25/7/20	Wed 25/8/13	0 days	104FS-17 days
106	Pedestrian Crossing no. 4	Mon 26/10/5	ᴏ Later Than	21 days	Mon 25/7/28	Sun 25/8/17	0 days	105FS-17 days
107	Demolition of existing crossing	NA	ɴ As Possible	30 days	Fri 25/8/1	Sat 25/8/30	0 days	106FS-17 days
108	**LFT01 CH.A0.00~CH.A100.00 (PC1~PC2)**	**NA**	**ɴ As Possible**	**90 days**	**Mon 25/8/11**	**Sat 25/11/8**	**0 days**	
109	Temp. Drainage Diversion / Sheetpiling	NA	ɴ As Possible	25 days	Mon 25/8/11	Thu 25/9/4	0 days	107FS-20 days
110	Excavation and Lateral Support	NA	ɴ As Possible	25 days	Thu 25/8/21	Sun 25/9/14	0 days	109FS-15 days
111	**Ground and Edge Beams**	**NA**	**ɴ As Possible**	**40 days**	**Fri 25/8/29**	**Tue 25/10/7**	**0 days**	
112	Install precast portion (ground beam)	NA	ɴ As Possible	28 days	Fri 25/8/29	Thu 25/9/25	0 days	110FS-17 days
113	Rebar Fixing	NA	ɴ As Possible	25 days	Fri 25/9/5	Mon 25/9/29	0 days	112FS-21 days
114	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Sat 25/9/13	Tue 25/10/7	0 days	113FS-17 days
115	Concreting	NA	ɴ As Possible	1 day	Sun 25/9/21	Sun 25/9/21	0 days	114FS-17 days
116	**Walls**	**NA**	**ɴ As Possible**	**33 days**	**Mon 25/9/22**	**Fri 25/10/24**	**0 days**	
117	Rebar Fixing	NA	ɴ As Possible	25 days	Mon 25/9/22	Thu 25/10/16	0 days	115
118	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Tue 25/9/30	Fri 25/10/24	0 days	117FS-17 days
119	Concreting	NA	ɴ As Possible	1 day	Wed 25/10/8	Wed 25/10/8	0 days	118FS-17 days
120	Backfilling and Compaction	NA	ɴ As Possible	24 days	Thu 25/10/9	Sat 25/11/1	0 days	119
121	Removal of Sheetpiles	NA	ɴ As Possible	24 days	Thu 25/10/16	Sat 25/11/8	0 days	120FS-17 days
122	Pedestrian Crossing no. 1	Mon 26/10/5	ᴏ Later Than	21 days	Thu 25/10/23	Wed 25/11/12	0 days	121FS-17 days
123	Demolish & relocate retaining wall YLL796/A/20-22	NA	ɴ As Possible	30 days	Mon 25/10/27	Tue 25/11/25	0 days	122FS-17 days
124	**LFT09 CH.A391.00~ CH.A464.00**	**NA**	**ɴ As Possible**	**92 days**	**Thu 25/11/6**	**Thu 26/2/5**	**0 days**	
125	Temp. Drainage Diversion / Sheetpiling	NA	ɴ As Possible	25 days	Thu 25/11/6	Sun 25/11/30	0 days	123FS-20 days
126	Excavation and Lateral Support	NA	ɴ As Possible	25 days	Sun 25/11/16	Wed 25/12/10	0 days	125FS-15 days
127	**Ground and Edge Beams**	**NA**	**ɴ As Possible**	**40 days**	**Mon 25/11/24**	**Fri 26/1/2**	**0 days**	
128	Install precast portion (ground beam)	NA	ɴ As Possible	28 days	Mon 25/11/24	Sun 25/12/21	0 days	126FS-17 days
129	Rebar Fixing	NA	ɴ As Possible	25 days	Mon 25/12/1	Thu 25/12/25	0 days	128FS-21 days
130	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Tue 25/12/9	Fri 26/1/2	0 days	129FS-17 days
131	Concreting	NA	ɴ As Possible	1 day	Wed 25/12/17	Wed 25/12/17	0 days	130FS-17 days
132	**Walls**	**NA**	**ɴ As Possible**	**33 days**	**Thu 25/12/18**	**Mon 26/1/19**	**0 days**	
133	Rebar Fixing	NA	ɴ As Possible	25 days	Thu 25/12/18	Sun 26/1/11	0 days	131
134	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Fri 25/12/26	Mon 26/1/19	0 days	133FS-17 days
135	Concreting	NA	ɴ As Possible	1 day	Sat 26/1/3	Sat 26/1/3	0 days	134FS-17 days
136	Backfilling and Compaction	NA	ɴ As Possible	25 days	Sun 26/1/4	Wed 26/1/28	0 days	135
137	Removal of Sheetpiles	NA	ɴ As Possible	25 days	Mon 26/1/12	Thu 26/2/5	0 days	136FS-17 days
138	Pedestrian & Vehicular Crossing no. 3	NA	ɴ As Possible	28 days	Tue 26/1/20	Mon 26/2/16	0 days	137FS-17 days
139	**LFT10 CH.A464.00~ CH.A554.00**	**NA**	**ɴ As Possible**	**92 days**	**Tue 26/1/27**	**Tue 26/4/28**	**0 days**	
140	Temp. Drainage Diversion / Sheetpiling	NA	ɴ As Possible	25 days	Tue 26/1/27	Fri 26/2/20	0 days	138FS-21 days
141	Excavation and Lateral Support	NA	ɴ As Possible	25 days	Fri 26/2/6	Mon 26/3/2	0 days	140FS-15 days
142	**Ground and Edge Beams**	**NA**	**ɴ As Possible**	**40 days**	**Sat 26/2/14**	**Wed 26/3/25**	**0 days**	
143	Install precast portion (ground beam)	NA	ɴ As Possible	28 days	Sat 26/2/14	Fri 26/3/13	0 days	141FS-17 days
144	Rebar Fixing	NA	ɴ As Possible	25 days	Sat 26/2/21	Tue 26/3/17	0 days	143FS-21 days
145	Formwork Erection and Cast-in items	NA	ɴ As Possible	25 days	Sun 26/3/1	Wed 26/3/25	0 days	144FS-17 days
146	Concreting	NA	ɴ As Possible	1 day	Mon 26/3/9	Mon 26/3/9	0 days	145FS-17 days
147	**Walls**	**NA**	**ɴ As Possible**	**33 days**	**Tue 26/3/10**	**Sat 26/4/11**	**0 days**	



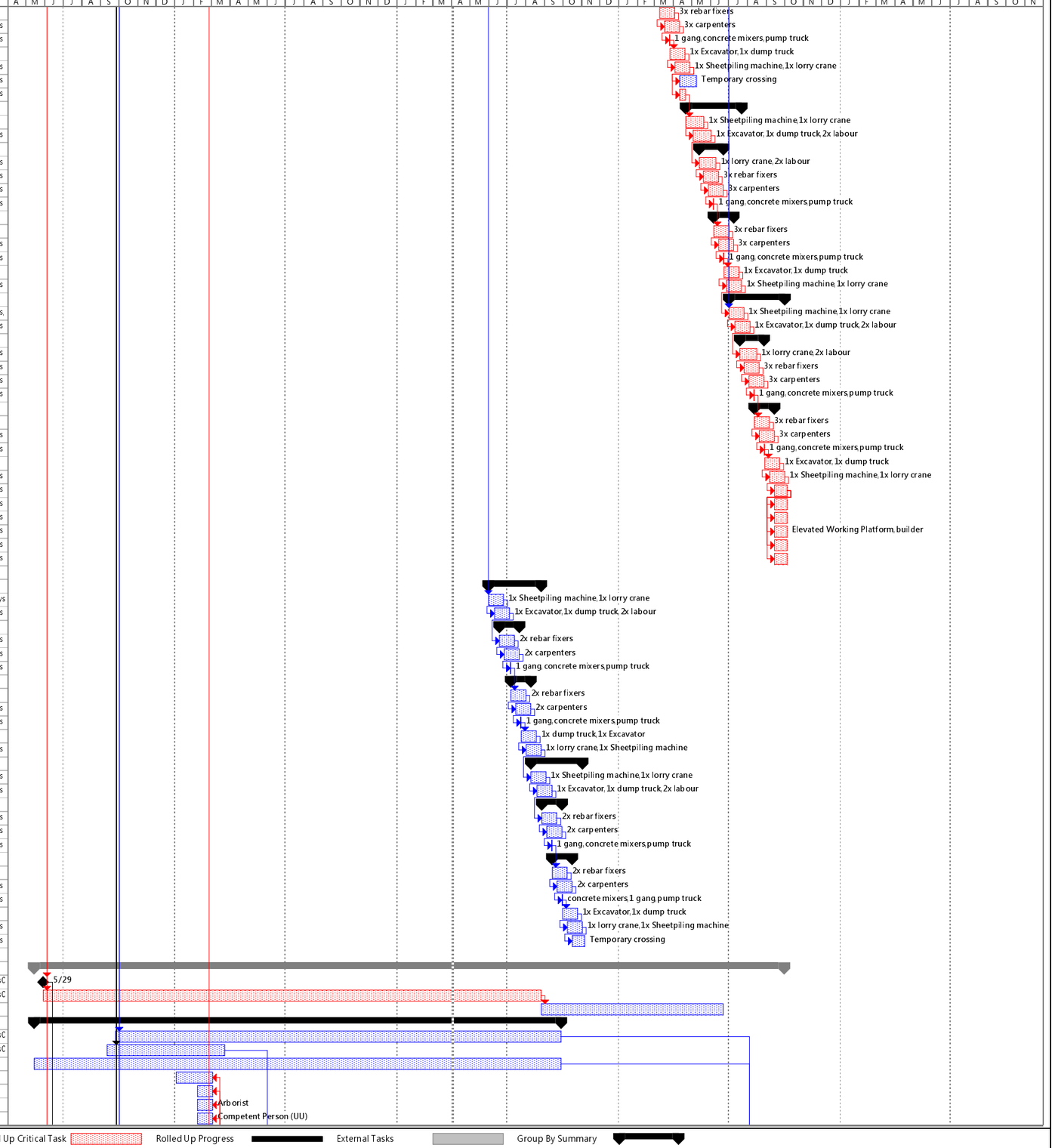
Revision.: 18.0 Date: 28 February 2025

´Task 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
148	Rebar Fixing	NA	As Possible	25 days	Tue 26/3/10	Fri 26/4/3	0 days	146
149	Formwork Erection and Cast-in items	NA	As Possible	25 days	Wed 26/3/18	Sat 26/4/11	0 days	148FS-17 days
150	Concreting	NA	As Possible	1 day	Thu 26/3/26	Thu 26/3/26	0 days	149FS-17 days
151	Backfilling and Compaction	NA	As Possible	25 days	Fri 26/3/27	Mon 26/4/20	0 days	150
152	Removal of Sheetpiles	NA	As Possible	25 days	Sat 26/4/4	Tue 26/4/28	0 days	151FS-17 days
153	Pedestrian & Vehicular Crossing no. 4	Mon 26/10/5	o Later Than	28 days	Sun 26/4/12	Sat 26/5/9	149 days	152FS-17 days
154	Protection to ex. Dongjiang Water Main	NA	As Possible	10 days	Sun 26/4/12	Tue 26/4/21	0 days	152FS-17 days
155	**LFT11 CH.A554.00~ CH.A700.00**	**NA**	**As Possible**	**92 days**	**Wed 26/4/22**	**Wed 26/7/22**	**0 days**	
156	Temp. Drainage Diversion / Sheetpiling	NA	As Possible	30 days	Wed 26/4/22	Thu 26/5/21	0 days	154
157	Excavation and Lateral Support	NA	As Possible	30 days	Mon 26/5/4	Tue 26/6/2	0 days	156FS-18 days
158	**Ground and Edge Beams**	**NA**	**As Possible**	**40 days**	**Thu 26/5/14**	**Mon 26/6/22**	**0 days**	
159	Install precast portion (ground beam)	NA	As Possible	28 days	Thu 26/5/14	Wed 26/6/10	0 days	157FS-20 days
160	Rebar Fixing	NA	As Possible	25 days	Thu 26/5/21	Sun 26/6/14	0 days	159FS-21 days
161	Formwork Erection and Cast-in items	NA	As Possible	25 days	Fri 26/5/29	Mon 26/6/22	0 days	160FS-17 days
162	Concreting	NA	As Possible	1 day	Sat 26/6/6	Sat 26/6/6	0 days	161FS-17 days
163	**Walls**	**NA**	**As Possible**	**33 days**	**Sun 26/6/7**	**Thu 26/7/9**	**0 days**	
164	Rebar Fixing	NA	As Possible	25 days	Sun 26/6/7	Wed 26/7/1	0 days	162
165	Formwork Erection and Cast-in items	NA	As Possible	25 days	Mon 26/6/15	Thu 26/7/9	0 days	164FS-17 days
166	Concreting	NA	As Possible	1 day	Tue 26/6/23	Tue 26/6/23	0 days	165FS-17 days
167	Backfilling and Compaction	NA	As Possible	25 days	Wed 26/6/24	Sat 26/7/18	0 days	166
168	Removal of Sheetpiles	NA	As Possible	25 days	Sun 26/6/28	Wed 26/7/22	0 days	167FS-21 days
169	**LFT12 CH.A700.00~ CH.A818.86**	**NA**	**As Possible**	**92 days**	**Thu 26/7/2**	**Thu 26/10/1**	**0 days**	
170	Temp. Drainage Diversion / Sheetpiling	NA	As Possible	25 days	Thu 26/7/2	Sun 26/7/26	0 days	168FS-21 days,
171	Excavation and Lateral Support	NA	As Possible	25 days	Sun 26/7/12	Wed 26/8/5	0 days	170FS-15 days
172	**Ground and Edge Beams**	**NA**	**As Possible**	**40 days**	**Mon 26/7/20**	**Fri 26/8/28**	**0 days**	
173	Install precast portion (ground beam)	NA	As Possible	28 days	Mon 26/7/20	Sun 26/8/16	0 days	171FS-17 days
174	Rebar Fixing	NA	As Possible	25 days	Mon 26/7/27	Thu 26/8/20	0 days	173FS-21 days
175	Formwork Erection and Cast-in items	NA	As Possible	25 days	Tue 26/8/4	Fri 26/8/28	0 days	174FS-17 days
176	Concreting	NA	As Possible	1 day	Wed 26/8/12	Wed 26/8/12	0 days	175FS-17 days
177	**Walls**	**NA**	**As Possible**	**33 days**	**Thu 26/8/13**	**Mon 26/9/14**	**0 days**	
178	Rebar Fixing	NA	As Possible	25 days	Thu 26/8/13	Sun 26/9/6	0 days	176
179	Formwork Erection and Cast-in items	NA	As Possible	25 days	Fri 26/8/21	Mon 26/9/14	0 days	178FS-17 days
180	Concreting	NA	As Possible	1 day	Sat 26/8/29	Sat 26/8/29	0 days	179FS-17 days
181	Backfilling and Compaction	NA	As Possible	25 days	Sun 26/8/30	Wed 26/9/23	0 days	180
182	Removal of Sheetpiles	NA	As Possible	25 days	Mon 26/9/7	Thu 26/10/1	0 days	181FS-17 days
183	Relocate Septic Tank & Soakaway Pit	NA	As Possible	21 days	Tue 26/9/15	Mon 26/10/5	0 days	182FS-17 days
184	Animal Escape Ramp	Mon 26/10/5	o Later Than	21 days	Tue 26/9/15	Mon 26/10/5	0 days	183FS-21 days
185	U-channels	Mon 26/10/5	o Later Than	21 days	Tue 26/9/15	Mon 26/10/5	0 days	183FS-21 days
186	Facing stone	Mon 26/10/5	o Later Than	21 days	Tue 26/9/15	Mon 26/10/5	0 days	183FS-21 days
187	ABWF works	Mon 26/10/5	o Later Than	21 days	Tue 26/9/15	Mon 26/10/5	0 days	183FS-21 days
188	Bedding works	Mon 26/10/5	o Later Than	21 days	Tue 26/9/15	Mon 26/10/5	0 days	183FS-21 days
189								
190	**LFT04 CH.B51.00~CH.B149.77**	**NA**	**As Possible**	**87 days**	**Sun 25/6/1**	**Tue 25/8/26**	**333 days**	
191	Temp. Drainage Diversion / Sheetpiling	NA	As Possible	25 days	Sun 25/6/1	Wed 25/6/25	333 days	21FS+150 days
192	Excavation and Lateral Support	NA	As Possible	25 days	Wed 25/6/11	Sat 25/7/5	333 days	191FS-15 days
193	**Ground and Edge Beams**	**NA**	**As Possible**	**33 days**	**Thu 25/6/19**	**Mon 25/7/21**	**333 days**	
194	Rebar Fixing	NA	As Possible	25 days	Thu 25/6/19	Sun 25/7/13	333 days	192FS-17 days
195	Formwork Erection and Cast-in items	NA	As Possible	25 days	Fri 25/6/27	Mon 25/7/21	333 days	194FS-17 days
196	Concreting	NA	As Possible	1 day	Mon 25/7/7	Mon 25/7/7	333 days	195FS-15 days
197	**Walls**	**NA**	**As Possible**	**33 days**	**Tue 25/7/8**	**Sat 25/8/9**	**333 days**	
198	Rebar Fixing	NA	As Possible	25 days	Tue 25/7/8	Fri 25/8/1	333 days	196
199	Formwork Erection and Cast-in items	NA	As Possible	25 days	Wed 25/7/16	Sat 25/8/9	333 days	198FS-17 days
200	Concreting	NA	As Possible	1 day	Thu 25/7/24	Thu 25/7/24	333 days	199FS-17 days
201	Backfilling and Compaction	NA	As Possible	25 days	Fri 25/7/25	Mon 25/8/18	333 days	200
202	Removal of Sheetpiles	NA	As Possible	25 days	Sat 25/8/2	Tue 25/8/26	333 days	201FS-17 days
203	**LFT03 CH.B0.00~CH.B51.00 (PC3)**	**NA**	**As Possible**	**85 days**	**Sun 25/8/10**	**Sun 25/11/2**	**333 days**	
204	Temp. Drainage Diversion / Sheetpiling	NA	As Possible	25 days	Sun 25/8/10	Wed 25/9/3	333 days	202FS-17 days
205	Excavation and Lateral Support	NA	As Possible	25 days	Wed 25/8/20	Sat 25/9/13	333 days	204FS-15 days
206	**Ground and Edge Beams**	**NA**	**As Possible**	**33 days**	**Thu 25/8/28**	**Mon 25/9/29**	**333 days**	
207	Rebar Fixing	NA	As Possible	25 days	Thu 25/8/28	Sun 25/9/21	333 days	205FS-17 days
208	Formwork Erection and Cast-in items	NA	As Possible	25 days	Fri 25/9/5	Mon 25/9/29	333 days	207FS-17 days
209	Concreting	NA	As Possible	1 day	Sat 25/9/13	Sat 25/9/13	333 days	208FS-17 days
210	**Walls**	**NA**	**As Possible**	**33 days**	**Sun 25/9/14**	**Thu 25/10/16**	**333 days**	
211	Rebar Fixing	NA	As Possible	25 days	Sun 25/9/14	Wed 25/10/8	333 days	209
212	Formwork Erection and Cast-in items	NA	As Possible	25 days	Mon 25/9/22	Thu 25/10/16	333 days	211FS-17 days
213	Concreting	NA	As Possible	1 day	Tue 25/9/30	Tue 25/9/30	333 days	212FS-17 days
214	Backfilling and Compaction	NA	As Possible	25 days	Wed 25/10/1	Sat 25/10/25	333 days	213
215	Removal of Sheetpiles	NA	As Possible	25 days	Thu 25/10/9	Sun 25/11/2	333 days	214FS-17 days
216	Pedestrian Crossing no. 3	Mon 26/10/5	o Later Than	21 days	Fri 25/10/17	Thu 25/11/6	333 days	215FS-17 days
117								
118	**Section VI**	**NA**	**As Possible**	**1235 days**	**Mon 23/5/15**	**Wed 26/9/30**	**0 days**	
2	access date of Portion C3	NA	As Possible	0 days	Mon 23/5/29	Mon 23/5/29	160 days	\\WingTatNasC
3	section VI (Lin Fa Tei - Kam Sheung Road)	Tue 25/8/26	o Later Than	820 days	Tue 23/5/30	Tue 25/8/26	0 days	\\WingTatNasC
4	Planned Completion Day	Wed 26/9/30	o Later Than	300 days	Wed 25/8/27	Mon 26/6/22	100 days	3
5	**Site Establishment**	**NA**	**As Possible**	**868 days**	**Mon 23/5/15**	**Sun 25/9/28**	**294 days**	
6	Prepare and Accept Temp. Works Design and Method Statement [A]	NA	As Possible	734 days	Tue 23/9/26	Sun 25/9/28	310 days	\\WingTatNasC
7	Public Liaison and Negotiation with Village Rep. [A]	NA	As Possible	194 days	Tue 23/9/12	Sat 24/3/23	230 days	\\WingTatNasC
8	Initial Survey [A]	NA	As Possible	868 days	Mon 23/5/15	Sun 25/9/28	310 days	
10	Initial Safety & Environmental measures	Wed 26/9/30	o Later Than	60 days	Thu 24/1/4	Mon 24/3/4	941 days	15SF
12	Setup of instrumentation and monitoring	Wed 26/9/30	o Later Than	25 days	Thu 24/2/8	Mon 24/3/4	941 days	15SF
13	Tree Survey	Wed 26/9/30	o Later Than	25 days	Thu 24/2/8	Mon 24/3/4	941 days	15SF
14	UU detection	Wed 26/9/30	o Later Than	25 days	Thu 24/2/8	Mon 24/3/4	941 days	15SF



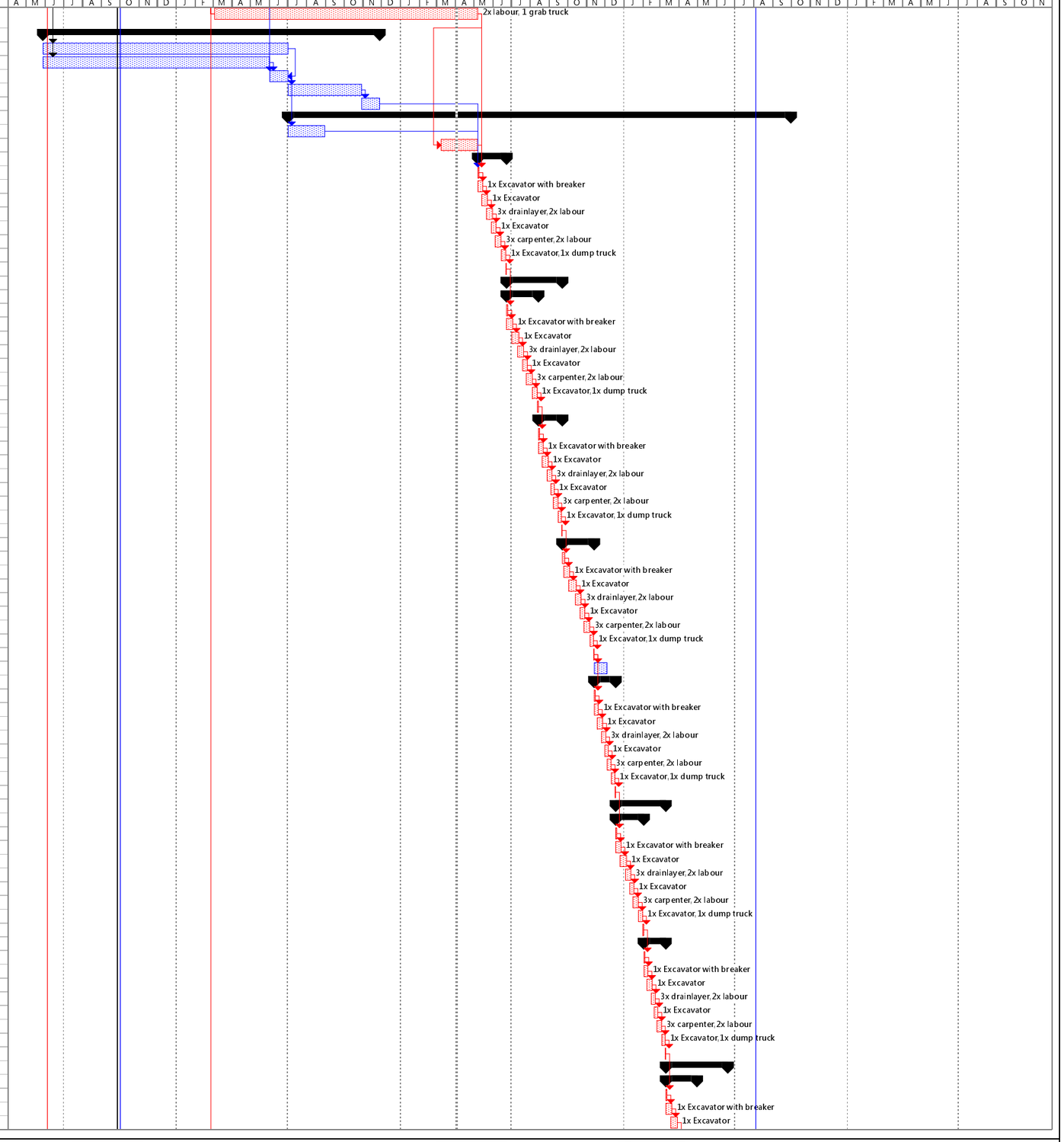
Revision.: 18.0 Date: 28 February 2025

´Task 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
15	[NCExxx] [PMI-030] Difficulty/infeasibility for construction of 1650mm dia. pipe at Kam Sheung Road (impact to be ascertained)	Mon 24/3/4	Start No Earlier Than	430 days	Mon 24/3/4	Wed 25/5/7	0 days	
16	**Temporary Traffic Arrangement**	**NA**	**As Possible**	**550 days**	**Mon 23/5/29**	**Thu 24/11/28**	**160 days**	
17	Application of XP [A]	NA	As Possible	400 days	Mon 23/5/29	Mon 24/7/1	160 days	2FS-1 day
18	Submission of TTA and Arrange TMLG [A]	NA	As Possible	370 days	Mon 23/5/29	Sat 24/6/1	160 days	2FS-1 day
19	Approval of TTA [A]	NA	As Possible	30 days	Sun 24/6/2	Mon 24/7/1	160 days	17FF,18,7
20	[NCExxx] [PMI-030] Submission of revised TTA and Arrange TMLG	NA	As Possible	120 days	Tue 24/7/2	Tue 24/10/29	160 days	19
21	[NCExxx] [PMI-030] Approval of revised TTA	NA	As Possible	30 days	Wed 24/10/30	Thu 24/11/28	160 days	20
22	**Drain Laying Works**	**NA**	**As Possible**	**821 days**	**Tue 24/7/2**	**Wed 26/9/30**	**0 days**	
23	Inspection Pit	NA	As Possible	60 days	Tue 24/7/2	Fri 24/8/30	250 days	19
24	[NCExxx] [PMI-030] Procurement, sampling and testing of drain pipes	NA	As Possible	60 days	Sun 25/3/9	Wed 25/5/7	0 days	15FS-60 days
25	**LFT.D3a~LFT.D4,1650PC,B,L=22.88,D=3.418**	**NA**	**As Possible**	**47 days**	**Thu 25/5/8**	**Mon 25/6/23**	**0 days**	
26	TTA Implementation	NA	As Possible	2 days	Thu 25/5/8	Fri 25/5/9	0 days	15,21,23,24
27	Breaking Ground	NA	As Possible	8 days	Thu 25/5/8	Thu 25/5/15	0 days	26FS-2 days
28	Excavation and Lateral Support	NA	As Possible	10 days	Wed 25/5/14	Fri 25/5/23	0 days	27FS-2 days
29	Drain Laying	NA	As Possible	10 days	Thu 25/5/22	Sat 25/5/31	0 days	28FS-2 days
30	Bedding and Backfilling	NA	As Possible	8 days	Fri 25/5/30	Fri 25/6/6	0 days	29FS-2 days
31	Manhole Construction	NA	As Possible	10 days	Thu 25/6/5	Sat 25/6/14	0 days	30FS-2 days
32	Reinstatement	NA	As Possible	8 days	Sun 25/6/15	Sun 25/6/22	0 days	31
33	TTA Removal	NA	As Possible	1 day	Mon 25/6/23	Mon 25/6/23	0 days	32
34	**LFT.D4~LFT.D5,1650PC,B,L=50.95,D=3.417**	**NA**	**As Possible**	**91 days**	**Tue 25/6/24**	**Mon 25/9/22**	**0 days**	
35	**Stage 1**	**NA**	**As Possible**	**52 days**	**Tue 25/6/24**	**Thu 25/8/14**	**0 days**	
36	TTA Implementation	NA	As Possible	2 days	Tue 25/6/24	Wed 25/6/25	0 days	33
37	Breaking Ground	NA	As Possible	10 days	Tue 25/6/24	Thu 25/7/3	0 days	36FS-2 days
38	Excavation and Lateral Support	NA	As Possible	12 days	Wed 25/7/2	Sun 25/7/13	0 days	37FS-2 days
39	Drain Laying	NA	As Possible	10 days	Sat 25/7/12	Mon 25/7/21	0 days	38FS-2 days
40	Bedding and Backfilling	NA	As Possible	8 days	Sun 25/7/20	Sun 25/7/27	0 days	39FS-2 days
41	Manhole Construction	NA	As Possible	10 days	Sat 25/7/26	Mon 25/8/4	0 days	40FS-2 days
42	Reinstatement	NA	As Possible	8 days	Tue 25/8/5	Tue 25/8/12	0 days	41
43	TTA Removal	NA	As Possible	2 days	Wed 25/8/13	Thu 25/8/14	0 days	42
44	**Stage 2**	**NA**	**As Possible**	**39 days**	**Fri 25/8/15**	**Mon 25/9/22**	**0 days**	
45	TTA Implementation	NA	As Possible	2 days	Fri 25/8/15	Sat 25/8/16	0 days	43
46	Breaking Ground	NA	As Possible	8 days	Fri 25/8/15	Fri 25/8/22	0 days	45FS-2 days
47	Excavation and Lateral Support	NA	As Possible	10 days	Thu 25/8/21	Sat 25/8/30	0 days	46FS-2 days
48	Drain Laying	NA	As Possible	8 days	Fri 25/8/29	Fri 25/9/5	0 days	47FS-2 days
49	Bedding and Backfilling	NA	As Possible	6 days	Thu 25/9/4	Tue 25/9/9	0 days	48FS-2 days
50	Manhole Construction	NA	As Possible	8 days	Mon 25/9/8	Mon 25/9/15	0 days	49FS-2 days
51	Reinstatement	NA	As Possible	6 days	Tue 25/9/16	Sun 25/9/21	0 days	50
52	TTA Removal	NA	As Possible	1 day	Mon 25/9/22	Mon 25/9/22	0 days	51
53	**LFT.D5~NKT Channel,1650PC,B,L=14.5,D=3.54**	**NA**	**As Possible**	**52 days**	**Tue 25/9/23**	**Thu 25/11/13**	**0 days**	
54	TTA Implementation (trial run)	NA	As Possible	4 days	Tue 25/9/23	Fri 25/9/26	0 days	52
55	Breaking Ground	NA	As Possible	10 days	Thu 25/9/25	Sat 25/10/4	0 days	54FS-2 days
56	Excavation and Lateral Support	NA	As Possible	13 days	Fri 25/10/3	Wed 25/10/15	0 days	55FS-2 days
57	Drain Laying	NA	As Possible	10 days	Tue 25/10/14	Thu 25/10/23	0 days	56FS-2 days
58	Bedding and Backfilling	NA	As Possible	8 days	Wed 25/10/22	Wed 25/10/29	0 days	57FS-2 days
59	Manhole Construction	NA	As Possible	10 days	Tue 25/10/28	Thu 25/11/6	0 days	58FS-2 days
60	Reinstatement	NA	As Possible	6 days	Fri 25/11/7	Wed 25/11/12	0 days	59
61	TTA Removal	NA	As Possible	1 day	Thu 25/11/13	Thu 25/11/13	0 days	60
62	Proposed flap valve	Wed 26/9/30	No Later Than	21 days	Fri 25/11/14	Thu 25/12/4	300 days	61
63	**LFT.D3~LFT.D3a,1650PC,B,L=13.9,D=3.418**	**NA**	**As Possible**	**35 days**	**Fri 25/11/14**	**Thu 25/12/18**	**0 days**	
64	TTA Implementation	NA	As Possible	2 days	Fri 25/11/14	Sat 25/11/15	0 days	61
65	Breaking Ground	NA	As Possible	7 days	Fri 25/11/14	Thu 25/11/20	0 days	64FS-2 days
66	Excavation and Lateral Support	NA	As Possible	9 days	Wed 25/11/19	Thu 25/11/27	0 days	65FS-2 days
67	Drain Laying	NA	As Possible	7 days	Wed 25/11/26	Tue 25/12/2	0 days	66FS-2 days
68	Bedding and Backfilling	NA	As Possible	6 days	Mon 25/12/1	Sat 25/12/6	0 days	67FS-2 days
69	Manhole Construction	NA	As Possible	7 days	Fri 25/12/5	Thu 25/12/11	0 days	68FS-2 days
70	Reinstatement	NA	As Possible	6 days	Fri 25/12/12	Wed 25/12/17	0 days	69
71	TTA Removal	NA	As Possible	1 day	Thu 25/12/18	Thu 25/12/18	0 days	70
72	**LFT.D2~LFT.D3,1650PC,B,L=39,D=3.34**	**NA**	**As Possible**	82 days	**Fri 25/12/19**	**Tue 26/3/10**	**0 days**	
73	**Stage 1**	**NA**	**As Possible**	**46 days**	**Fri 25/12/19**	**Mon 26/2/2**	**0 days**	
74	TTA Implementation	NA	As Possible	2 days	Fri 25/12/19	Sat 25/12/20	0 days	71
75	Breaking Ground	NA	As Possible	9 days	Fri 25/12/19	Sat 25/12/27	0 days	74FS-2 days
76	Excavation and Lateral Support	NA	As Possible	11 days	Fri 25/12/26	Mon 26/1/5	0 days	75FS-2 days
77	Drain Laying	NA	As Possible	9 days	Sun 26/1/4	Mon 26/1/12	0 days	76FS-2 days
78	Bedding and Backfilling	NA	As Possible	7 days	Sun 26/1/11	Sat 26/1/17	0 days	77FS-2 days
79	Manhole Construction	NA	As Possible	9 days	Fri 26/1/16	Sat 26/1/24	0 days	78FS-2 days
80	Reinstatement	NA	As Possible	7 days	Sun 26/1/25	Sat 26/1/31	0 days	79
81	TTA Removal	NA	As Possible	2 days	Sun 26/2/1	Mon 26/2/2	0 days	80
82	**Stage 2**	**NA**	**As Possible**	**36 days**	**Tue 26/2/3**	**Tue 26/3/10**	**0 days**	
83	TTA Implementation	NA	As Possible	2 days	Tue 26/2/3	Wed 26/2/4	0 days	81
84	Breaking Ground	NA	As Possible	7 days	Tue 26/2/3	Mon 26/2/9	0 days	83FS-2 days
85	Excavation and Lateral Support	NA	As Possible	9 days	Sun 26/2/8	Mon 26/2/16	0 days	84FS-2 days
86	Drain Laying	NA	As Possible	7 days	Sun 26/2/15	Sat 26/2/21	0 days	85FS-2 days
87	Bedding and Backfilling	NA	As Possible	6 days	Fri 26/2/20	Wed 26/2/25	0 days	86FS-2 days
88	Manhole Construction	NA	As Possible	8 days	Tue 26/2/24	Tue 26/3/3	0 days	87FS-2 days
89	Reinstatement	NA	As Possible	6 days	Wed 26/3/4	Mon 26/3/9	0 days	88
90	TTA Removal	NA	As Possible	1 day	Tue 26/3/10	Tue 26/3/10	0 days	89
91	**LFT.D1b~LFT.D2,1650PC,B,L=45.56,D=3.34**	**NA**	**As Possible**	**101 days**	**Wed 26/3/11**	**Fri 26/6/19**	**0 days**	
92	**Stage 1**	**NA**	**As Possible**	**51 days**	**Wed 26/3/11**	**Thu 26/4/30**	**0 days**	
93	TTA Implementation	NA	As Possible	2 days	Wed 26/3/11	Thu 26/3/12	0 days	90
94	Breaking Ground	NA	As Possible	10 days	Wed 26/3/11	Fri 26/3/20	0 days	93FS-2 days
95	Excavation and Lateral Support	NA	As Possible	11 days	Thu 26/3/19	Sun 26/3/29	0 days	94FS-2 days



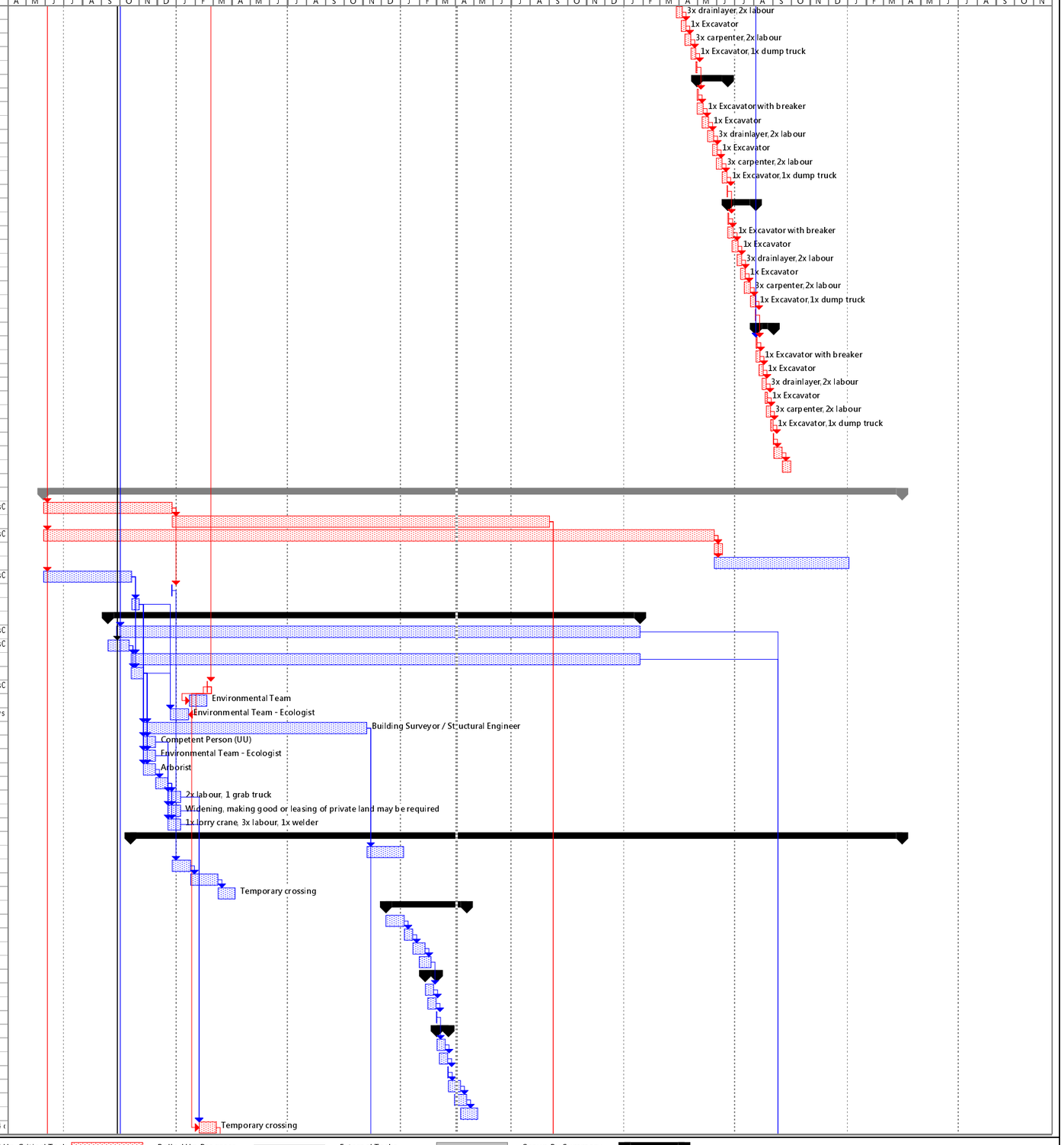
Revision.: 18.0 Date: 28 February 2025

Task | 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
96	Drain Laying	NA	As Possible	10 days	Sat 26/3/28	Mon 26/4/6	0 days	95FS-2 days
97	Bedding and Backfilling	NA	As Possible	8 days	Sun 26/4/5	Sun 26/4/12	0 days	96FS-2 days
98	Manhole Construction	NA	As Possible	10 days	Sat 26/4/11	Mon 26/4/20	0 days	97FS-2 days
99	Reinstatement	NA	As Possible	8 days	Tue 26/4/21	Tue 26/4/28	0 days	98
100	TTA Removal	NA	As Possible	2 days	Wed 26/4/29	Thu 26/4/30	0 days	99
101	**Stage 2**	**NA**	**As Possible**	**50 days**	**Fri 26/5/1**	**Fri 26/6/19**	**0 days**	
102	TTA Implementation	NA	As Possible	2 days	Fri 26/5/1	Sat 26/5/2	0 days	100
103	Breaking Ground	NA	As Possible	10 days	Fri 26/5/1	Sun 26/5/10	0 days	102FS-2 days
104	Excavation and Lateral Support	NA	As Possible	11 days	Sat 26/5/9	Tue 26/5/19	0 days	103FS-2 days
105	Drain Laying	NA	As Possible	10 days	Mon 26/5/18	Wed 26/5/27	0 days	104FS-2 days
106	Bedding and Backfilling	NA	As Possible	8 days	Tue 26/5/26	Tue 26/6/2	0 days	105FS-2 days
107	Manhole Construction	NA	As Possible	10 days	Mon 26/6/1	Wed 26/6/10	0 days	106FS-2 days
108	Reinstatement	NA	As Possible	8 days	Thu 26/6/11	Thu 26/6/18	0 days	107
109	TTA Removal	NA	As Possible	1 day	Fri 26/6/19	Fri 26/6/19	0 days	108
110	**LFT.D1a~LFT.D1b,1650PC,B,L=25.59,D=3.411**	**NA**	**As Possible**	**46 days**	**Sat 26/6/20**	**Tue 26/8/4**	**0 days**	
111	TTA Implementation	NA	As Possible	2 days	Sat 26/6/20	Sun 26/6/21	0 days	109
112	Breaking Ground	NA	As Possible	9 days	Sat 26/6/20	Sun 26/6/28	0 days	111FS-2 days
113	Excavation and Lateral Support	NA	As Possible	10 days	Sat 26/6/27	Mon 26/7/6	0 days	112FS-2 days
114	Drain Laying	NA	As Possible	8 days	Sun 26/7/5	Sun 26/7/12	0 days	113FS-2 days
115	Bedding and Backfilling	NA	As Possible	8 days	Sat 26/7/11	Sat 26/7/18	0 days	114FS-2 days
116	Manhole Construction	NA	As Possible	10 days	Fri 26/7/17	Sun 26/7/26	0 days	115FS-2 days
117	Reinstatement	NA	As Possible	8 days	Mon 26/7/27	Mon 26/8/3	0 days	116
118	TTA Removal	NA	As Possible	1 day	Tue 26/8/4	Tue 26/8/4	0 days	117
119	**LFT.D1~LFT.D1a,1650PC,B,L=5.65,D=3.411**	**NA**	**As Possible**	**29 days**	**Wed 26/8/5**	**Wed 26/9/2**	**0 days**	
120	TTA Implementation	NA	As Possible	2 days	Wed 26/8/5	Thu 26/8/6	0 days	118,68
121	Breaking Ground	NA	As Possible	7 days	Wed 26/8/5	Tue 26/8/11	0 days	120FS-2 days
122	Excavation and Lateral Support	NA	As Possible	7 days	Mon 26/8/10	Sun 26/8/16	0 days	121FS-2 days
123	Drain Laying	NA	As Possible	7 days	Sat 26/8/15	Fri 26/8/21	0 days	122FS-2 days
124	Bedding and Backfilling	NA	As Possible	4 days	Thu 26/8/20	Sun 26/8/23	0 days	123FS-2 days
125	Manhole Construction	NA	As Possible	7 days	Sat 26/8/22	Fri 26/8/28	0 days	124FS-2 days
126	Reinstatement	NA	As Possible	4 days	Sat 26/8/29	Tue 26/9/1	0 days	125
127	TTA Removal	NA	As Possible	1 day	Wed 26/9/2	Wed 26/9/2	0 days	126
128	CCTV inspection and T&C	NA	As Possible	14 days	Thu 26/9/3	Wed 26/9/16	0 days	127
129	Final Reinstatement	Wed 26/9/30	o Later Than	14 days	Thu 26/9/17	Wed 26/9/30	0 days	128
119								
120	Section IV	**NA**	**As Possible**	**1402 days**	**Tue 23/5/30**	**Wed 27/3/31**	**0 days**	
2	access date of Portion D	NA	As Possible	210 days	Tue 23/5/30	Mon 23/12/25	0 days	\\WingTatNasC
3	[NCExxx] access date of Portion D at Fu Hing Garden (Delayed access)	NA	As Possible	616 days	Tue 23/12/26	Mon 25/9/1	0 days	2
4	section IV (Ha Che)	NA	As Possible	1095 days	Tue 23/5/30	Thu 26/5/28	0 days	\\WingTatNasC
5	Extended Completion Day	Thu 26/6/11	o Later Than	13.5 days	Fri 26/5/29	Thu 26/6/11	0 days	4
6	Planned Completion Day	Thu 27/3/4	o Later Than	220 days	Fri 26/5/29	Sun 27/1/3	60 days	4
7	Early access (portion)	NA	As Possible	144 days	Tue 23/5/30	Fri 23/10/20	30 days	\\WingTatNasC
8	Access to remaining STLA	NA	As Possible	1 day	Mon 23/12/25	Mon 23/12/25	1062 days	2FS-1 day
9	Private Land Leasing	NA	As Possible	12 days	Sat 23/10/21	Wed 23/11/1	37 days	7
10	**Site Establishment**	**NA**	**As Possible**	**869 days**	**Tue 23/9/12**	**Tue 26/1/27**	**33 days**	
11	Prepare and Accept Temp. Works Design and Method Statement	NA	As Possible	855 days	Tue 23/9/26	Tue 26/1/27	225 days	\\WingTatNasC
12	Public Liaison and Negotiation with Village Rep. [A]	NA	As Possible	35 days	Tue 23/9/12	Mon 23/10/16	33 days	\\WingTatNasC
13	Initial Survey [A]	NA	As Possible	831 days	Fri 23/10/20	Tue 26/1/27	225 days	12,7FS-1 day
15	Initial Safety & Environmental measures [A]	NA	As Possible	20 days	Fri 23/10/20	Wed 23/11/8	30 days	12,7FS-1 day
17	EIAO Commencement of Construction [A]	NA	As Possible	1 day	Wed 24/2/21	Wed 24/2/21	0 days	\\WingTatNasC
19	Environmental Baseline Monitoring [A]	Thu 27/3/4	o Later Than	29 days	Tue 24/1/23	Tue 24/2/20	1108 days	17FS-30 days
20	Freshwater Crab Translocation Plan [A]	Thu 27/3/4	o Later Than	30 days	Sat 23/12/23	Mon 24/1/22	1138 days	9,17SF-30 days
21	Condition Survey & Str. Assessment (Shui Kan Shek, Fu Hing Garden, Twin 150(	NA	As Possible	365 days	Thu 23/11/9	Thu 24/11/7	87 days	9,15
22	UU detection [A]	NA	As Possible	20 days	Thu 23/11/9	Tue 23/11/28	50 days	9,15
23	Vegetation Survey [A]	NA	As Possible	20 days	Thu 23/11/9	Tue 23/11/28	50 days	9,15
24	Tree Survey and Felling [A]	NA	As Possible	20 days	Thu 23/11/9	Tue 23/11/28	30 days	9,15
25	Setup of instrumentation and monitoring [A]	NA	As Possible	20 days	Wed 23/11/29	Mon 23/12/18	30 days	24
26	Site Clearance [A]	NA	As Possible	21 days	Tue 23/12/19	Mon 24/1/8	30 days	25,23
27	Establish access(es) to channels [A]	NA	As Possible	21 days	Tue 23/12/19	Mon 24/1/8	30 days	22,25
28	Guarding / Barrier / Hoarding [A]	NA	As Possible	21 days	Tue 23/12/19	Mon 24/1/8	30 days	22,25
29	**Drainage Channel Works (East)**	**NA**	**As Possible**	**1260 days**	**Thu 23/10/19**	**Wed 27/3/31**	**0 days**	
30	HC05 CH.A284.946~CH.A339.556 (Ex. CH Str. Assessment)	Thu 27/3/4	o Later Than	60 days	Fri 24/11/8	Mon 25/1/6	787 days	21
31	(Deleted in PMI) Demolish & relocate wall, gate YLL797/2	NA	As Possible	30 days	Tue 23/12/26	Wed 24/1/24	1062 days	8
32	(Deleted in PMI) HC01 CH.A11.13~CH.A18.14	NA	As Possible	45 days	Thu 24/1/25	Sat 24/3/9	1062 days	31
33	(Deleted in PMI) Pedestrian & Vehicular Crossing no. 1 (Box Culvert no. 1)	Thu 27/3/4	o Later Than	28 days	Sun 24/3/10	Sat 24/4/6	1062 days	32
34	**[PMI072] HC01 Additional Drainage Channel CH.A11.23~CH.A29.00**	**NA**	**As Possible**	**132 days**	**Mon 24/12/9**	**Sat 25/4/19**	**693 days**	
35	Liaision with local landlord and HAD for BC1	Mon 24/12/9	Earlier Than	30 days	Mon 24/12/9	Tue 25/1/7	693 days	
36	Site Clearance and Hoarding	NA	As Possible	14 days	Wed 25/1/8	Tue 25/1/21	693 days	35
37	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	20 days	Wed 25/1/22	Mon 25/2/10	693 days	36
38	Excavation and Lateral Support	NA	As Possible	20 days	Sat 25/2/1	Thu 25/2/20	693 days	37FS-10 days
39	**Ground Beams**	**NA**	**As Possible**	**19 days**	**Tue 25/2/11**	**Sat 25/3/1**	**693 days**	
40	Rebar Fixing	NA	As Possible	14 days	Tue 25/2/11	Mon 25/2/24	693 days	38FS-10 days
41	Formwork Erection and Cast-in items	NA	As Possible	14 days	Sat 25/2/15	Fri 25/2/28	693 days	40FS-10 days
42	Concreting	NA	As Possible	1 day	Sat 25/3/1	Sat 25/3/1	693 days	41
43	**Walls**	**NA**	**As Possible**	**19 days**	**Sun 25/3/2**	**Thu 25/3/20**	**693 days**	
44	Rebar Fixing	NA	As Possible	14 days	Sun 25/3/2	Sat 25/3/15	693 days	42
45	Formwork Erection and Cast-in items	NA	As Possible	14 days	Thu 25/3/6	Wed 25/3/19	693 days	44FS-10 days
46	Concreting	NA	As Possible	1 day	Thu 25/3/20	Thu 25/3/20	693 days	45
47	Backfilling and Compaction	NA	As Possible	20 days	Fri 25/3/21	Wed 25/4/9	693 days	46
48	Removal of Sheetpiles	NA	As Possible	20 days	Mon 25/3/31	Sat 25/4/19	693 days	47FS-10 days
49	Pedestrian & Vehicular Crossing no. 1 (Box Culvert no. 1)	NA	As Possible	28 days	Thu 25/4/10	Wed 25/5/7	693 days	48FS-10 days
50	Pedestrian & Vehicular Crossing no. 2 (Box Culvert no. 2) [A]	Thu 27/3/4	o Later Than	28 days	Thu 24/2/8	Wed 24/3/6	0 days	28,27,17FS-14 d



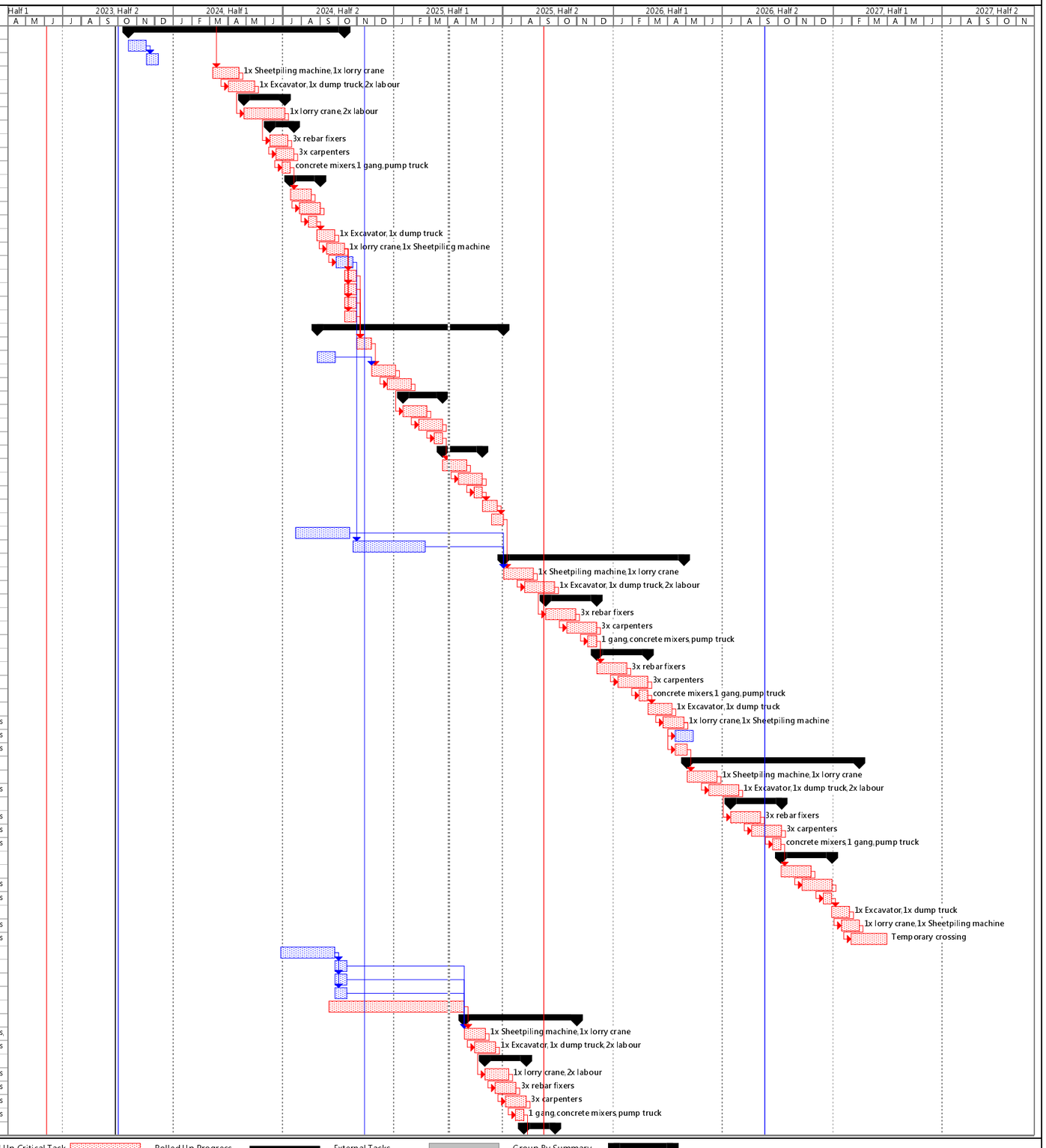
Revision.: 18.0 Date: 28 February 2025

´Task | 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
51	**HC02 CH.A18.14~ CH.A120.261 (BC1~ 2)**	**NA**	**As Possible**	**359 days**	**Thu 23/10/19**	**Fri 24/10/11**	**140 days**	
52	EWN/007 NCE/001 Ambiguity on Drawings	Thu 23/10/19	Earlier Than	30 days	Thu 23/10/19	Fri 23/11/17	1210 days	
53	C9 tender for Precast units [A]	NA	As Possible	20 days	Sat 23/11/18	Thu 23/12/7	1210 days	52
54	Sheetpiling & Temp. Drainage Diversion [A]	NA	As Possible	44 days	Thu 24/3/7	Fri 24/4/19	0 days	50
55	Excavation and Lateral Support [A]	NA	As Possible	44 days	Tue 24/4/2	Wed 24/5/15	0 days	54FS-18 days
56	**Walls**	**NA**	**As Possible**	**68 days**	**Sun 24/4/28**	**Thu 24/7/4**	**0 days**	
57	Install precast portion (double beam) [A]	NA	As Possible	68 days	Sun 24/4/28	Thu 24/7/4	0 days	55FS-18 days
58	**Ground Beams**	**NA**	**As Possible**	**40 days**	**Mon 24/6/10**	**Fri 24/7/19**	**0 days**	
59	Rebar Fixing [A]	NA	As Possible	30 days	Mon 24/6/10	Tue 24/7/9	0 days	57FS-25 days
60	Formwork Erection and Cast-in items [A]	NA	As Possible	30 days	Thu 24/6/20	Fri 24/7/19	0 days	59FS-20 days
61	Concreting [A]	NA	As Possible	14 days	Sun 24/6/30	Sat 24/7/13	0 days	60FS-20 days
62	**Top Wall**	**NA**	**As Possible**	**50 days**	**Sun 24/7/14**	**Sun 24/9/1**	**0 days**	
63	Rebar Fixing [A]	NA	As Possible	35 days	Sun 24/7/14	Sat 24/8/17	0 days	61
64	Formwork Erection and Cast-in items [A]	NA	As Possible	35 days	Mon 24/7/29	Sun 24/9/1	0 days	63FS-20 days
65	Concreting [A]	NA	As Possible	14 days	Tue 24/8/13	Mon 24/8/26	0 days	64FS-20 days
66	Backfilling and Compaction	NA	As Possible	30 days	Tue 24/8/27	Wed 24/9/25	0 days	65
67	Removal of Sheetpiles	NA	As Possible	30 days	Thu 24/9/12	Fri 24/10/11	0 days	66FS-14 days
68	Animal Escape Ramp [A]	Thu 27/3/4	No Later Than	28 days	Sat 24/9/28	Fri 24/10/25	130 days	67FS-14 days
69	Demolish & relocate toilet YLL797/5 [A]	NA	As Possible	20 days	Sat 24/10/12	Thu 24/10/31	0 days	67
70	Demolish & relocate container YLL797/6 [A]	NA	As Possible	20 days	Sat 24/10/12	Thu 24/10/31	0 days	67
71	Demolish & relocate porch YLL797/7 [A]	NA	As Possible	20 days	Sat 24/10/12	Thu 24/10/31	0 days	67
72	Demolish & relocate fencing, retaining wall YLL797/10,11 [A]	NA	As Possible	20 days	Sat 24/10/12	Thu 24/10/31	0 days	67
73	**HC03 CH.A126.235~ CH.A150 (BC2~ 3)**	**NA**	**As Possible**	**309 days**	**Wed 24/8/28**	**Wed 25/7/2**	**0 days**	
74	[PMI-037] Removal of existing structural features protruding into Work Sit	Wed 24/8/14	Earlier Than	25 days	Fri 24/11/1	Mon 24/11/25	0 days	69,70,71,72
75	[PMI-040] Updated Channel Width of Drainage Channel between Chainag	Wed 24/8/28	Earlier Than	30 days	Wed 24/8/28	Thu 24/9/26	60 days	
76	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	40 days	Tue 24/11/26	Sat 25/1/4	0 days	74,75
77	Excavation and Lateral Support	NA	As Possible	40 days	Sun 24/12/22	Thu 25/1/30	0 days	76FS-14 days
78	**Ground Beams**	**NA**	**As Possible**	**66 days**	**Fri 25/1/17**	**Sun 25/3/23**	**0 days**	
79	Rebar Fixing	NA	As Possible	40 days	Fri 25/1/17	Tue 25/2/25	0 days	77FS-14 days
80	Formwork Erection and Cast-in items	NA	As Possible	40 days	Wed 25/2/12	Sun 25/3/23	0 days	79FS-14 days
81	Concreting	NA	As Possible	14 days	Mon 25/3/10	Sun 25/3/23	0 days	80FS-14 days
82	**Wall**	**NA**	**As Possible**	**66 days**	**Mon 25/3/24**	**Wed 25/5/28**	**0 days**	
83	Rebar Fixing	NA	As Possible	40 days	Mon 25/3/24	Fri 25/5/2	0 days	81
84	Formwork Erection and Cast-in items	NA	As Possible	40 days	Sat 25/4/19	Wed 25/5/28	0 days	83FS-14 days
85	Concreting	NA	As Possible	14 days	Thu 25/5/15	Wed 25/5/28	0 days	84FS-14 days
86	Backfilling and Compaction	NA	As Possible	25 days	Thu 25/5/29	Sun 25/6/22	0 days	85
87	Removal of Sheetpiles	NA	As Possible	20 days	Fri 25/6/13	Wed 25/7/2	0 days	86FS-10 days
88	[PMI016] Revised Drainage Channel Details	Tue 24/7/23	Earlier Than	90 days	Tue 24/7/23	Sun 24/10/20	255 days	
89	[NCExxx] Additional Trees behind Arbutus	NA	As Possible	120 days	Sat 24/10/26	Sat 25/2/22	130 days	68
90	**HC04 CH.A195.853~ CH.A284.946 (BC3~ Ex. CH)**	**NA**	**As Possible**	**300 days**	**Thu 25/7/3**	**Tue 26/4/28**	**0 days**	
91	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	50 days	Thu 25/7/3	Thu 25/8/21	0 days	88,89,87
92	Excavation and Lateral Support	NA	As Possible	50 days	Thu 25/8/7	Thu 25/9/25	0 days	91FS-15 days
93	**Ground and Edge Beams**	**NA**	**As Possible**	**85 days**	**Thu 25/9/11**	**Thu 25/12/4**	**0 days**	
94	Rebar Fixing	NA	As Possible	50 days	Thu 25/9/11	Thu 25/10/30	0 days	92FS-15 days
95	Formwork Erection and Cast-in items	NA	As Possible	50 days	Thu 25/10/16	Thu 25/12/4	0 days	94FS-15 days
96	Concreting	NA	As Possible	15 days	Thu 25/11/20	Thu 25/12/4	0 days	95FS-15 days
97	**Walls**	**NA**	**As Possible**	**85 days**	**Fri 25/12/5**	**Fri 26/2/27**	**0 days**	
98	Rebar Fixing	NA	As Possible	50 days	Fri 25/12/5	Fri 26/1/23	0 days	96
99	Formwork Erection and Cast-in items	NA	As Possible	50 days	Fri 26/1/9	Fri 26/2/27	0 days	98FS-15 days
100	Concreting	NA	As Possible	15 days	Fri 26/2/13	Fri 26/2/27	0 days	99FS-15 days
101	Backfilling and Compaction	NA	As Possible	40 days	Sat 26/2/28	Wed 26/4/8	0 days	100
102	Removal of Sheetpiles	NA	As Possible	35 days	Wed 26/3/25	Tue 26/4/28	0 days	101FS-15 days
103	2x300 pipe with flap valve	Thu 27/3/4	No Later Than	30 days	Tue 26/4/14	Wed 26/5/13	295 days	102FS-15 days
104	Demolish & relocate drainage channel YLL797/12	NA	As Possible	20 days	Tue 26/4/14	Sun 26/5/3	0 days	102FS-15 days
105	**HC03 CH.A150~ CH.A187.706 (BC2~ 3)**	**NA**	**As Possible**	**286 days**	**Mon 26/5/4**	**Sat 27/2/13**	**0 days**	
106	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	50 days	Mon 26/5/4	Mon 26/6/22	0 days	104
107	Excavation and Lateral Support	NA	As Possible	50 days	Tue 26/6/9	Tue 26/7/28	0 days	106FS-14 days
108	**Ground Beams**	**NA**	**As Possible**	**85 days**	**Wed 26/7/15**	**Wed 26/10/7**	**0 days**	
109	Rebar Fixing	NA	As Possible	50 days	Wed 26/7/15	Wed 26/9/2	0 days	107FS-14 days
110	Formwork Erection and Cast-in items	NA	As Possible	50 days	Wed 26/8/19	Wed 26/10/7	0 days	109FS-15 days
111	Concreting	NA	As Possible	14 days	Wed 26/9/23	Tue 26/10/6	0 days	110FS-15 days
112	**Wall**	**NA**	**As Possible**	**85 days**	**Wed 26/10/7**	**Wed 26/12/30**	**0 days**	
113	Rebar Fixing	NA	As Possible	50 days	Wed 26/10/7	Wed 26/11/25	0 days	111
114	Formwork Erection and Cast-in items	NA	As Possible	50 days	Wed 26/11/11	Wed 26/12/30	0 days	113FS-15 days
115	Concreting	NA	As Possible	14 days	Wed 26/12/16	Tue 26/12/29	0 days	114FS-15 days
116	Backfilling and Compaction	NA	As Possible	30 days	Wed 26/12/30	Thu 27/1/28	0 days	115
117	Removal of Sheetpiles	NA	As Possible	30 days	Fri 27/1/15	Sat 27/2/13	0 days	116FS-14 days
118	Pedestrian & Vehicular Crossing no. 1 (Box Culvert no. 3)	NA	As Possible	60 days	Sun 27/1/31	Wed 27/3/31	0 days	117FS-14 days
119	C9 tender procedure for HC06-08	Fri 24/6/28	Earlier Than	90 days	Fri 24/6/28	Wed 24/9/25	210 days	
120	Demolish & relocate metal frame YLL797/28,30,33	NA	As Possible	20 days	Thu 24/9/26	Tue 24/10/15	210 days	119
121	Demolish & relocate storage YLL797/29	NA	As Possible	20 days	Thu 24/9/26	Tue 24/10/15	210 days	119
122	Demolish & relocate retaining wall YLL797/32	NA	As Possible	20 days	Thu 24/9/26	Tue 24/10/15	210 days	119
123	[NCExxx] Additional request from landlord by HC06,07	Mon 24/9/16	Earlier Than	225 days	Mon 24/9/16	Mon 25/4/28	0 days	
124	**HC06 CH.A339.556~ CH.A400.00**	**NA**	**As Possible**	**187 days**	**Tue 25/4/29**	**Sat 25/11/1**	**0 days**	
125	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	35 days	Tue 25/4/29	Mon 25/6/2	0 days	120FS-15 days,
126	Excavation and Lateral Support	NA	As Possible	35 days	Fri 25/5/16	Thu 25/6/19	0 days	125FS-18 days
127	**Ground and Edge Beams**	**NA**	**As Possible**	**69 days**	**Mon 25/6/2**	**Sat 25/8/9**	**0 days**	
128	Install precast portion	NA	As Possible	40 days	Mon 25/6/2	Fri 25/7/11	0 days	126FS-18 days
129	Rebar Fixing	NA	As Possible	35 days	Thu 25/6/19	Wed 25/7/23	0 days	128FS-23 days
130	Formwork Erection and Cast-in items	NA	As Possible	35 days	Sun 25/7/6	Sat 25/8/9	0 days	129FS-18 days
131	Concreting	NA	As Possible	14 days	Wed 25/7/23	Tue 25/8/5	0 days	130FS-18 days
132	**Walls**	**NA**	**As Possible**	**52 days**	**Wed 25/8/6**	**Fri 25/9/26**	**0 days**	

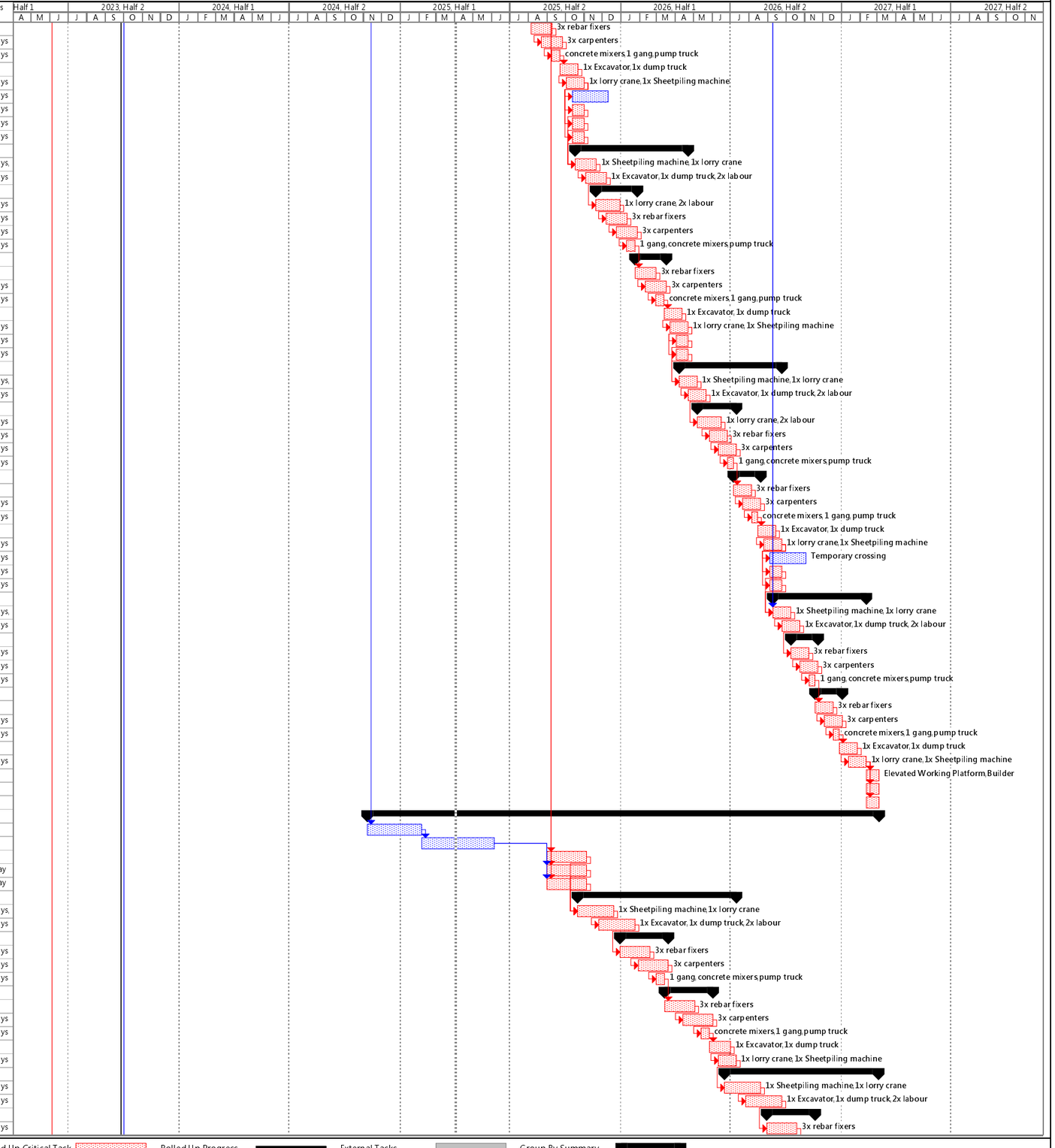


Revision.: 18.0 Date: 28 February 2025

Task | 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}~{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}

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
133	Rebar Fixing	NA	As Possible	35 days	Wed 25/8/6	Tue 25/9/9	0 days	131
134	Formwork Erection and Cast-in items	NA	As Possible	35 days	Sat 25/8/23	Fri 25/9/26	0 days	133FS-18 days
135	Concreting	NA	As Possible	14 days	Tue 25/9/9	Mon 25/9/22	0 days	134FS-18 days
136	Backfilling and Compaction	NA	As Possible	30 days	Tue 25/9/23	Wed 25/10/22	0 days	135
137	Removal of Sheetpiles	NA	As Possible	30 days	Fri 25/10/3	Sat 25/11/1	0 days	136FS-20 days
138	Temp support to 3x ex. Cable bridge	Thu 27/3/4	o Later Than	60 days	Mon 25/10/13	Thu 25/12/11	448 days	137FS-20 days
139	Demolish & relocate porch YLL797/34,37	NA	As Possible	20 days	Mon 25/10/13	Sat 25/11/1	0 days	137FS-20 days
140	Demolish & relocate car body YLL797/36	NA	As Possible	20 days	Mon 25/10/13	Sat 25/11/1	0 days	137FS-20 days
141	Demolish & relocate godown YLL797/35	NA	As Possible	20 days	Mon 25/10/13	Sat 25/11/1	0 days	137FS-20 days
142	**HC07 CH.A400.00~CH.A500.00**	**NA**	**As Possible**	**187 days**	**Sat 25/10/18**	**Wed 26/4/22**	**0 days**	
143	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	35 days	Sat 25/10/18	Fri 25/11/21	0 days	139FS-15 days,
144	Excavation and Lateral Support	NA	As Possible	35 days	Tue 25/11/4	Mon 25/12/8	0 days	143FS-18 days
145	**Ground and Edge Beams**	**NA**	**As Possible**	**69 days**	**Fri 25/11/21**	**Wed 26/1/28**	**0 days**	
146	Install precast portion	NA	As Possible	40 days	Fri 25/11/21	Tue 25/12/30	0 days	144FS-18 days
147	Rebar Fixing	NA	As Possible	35 days	Mon 25/12/8	Sun 26/1/11	0 days	146FS-23 days
148	Formwork Erection and Cast-in items	NA	As Possible	35 days	Thu 25/12/25	Wed 26/1/28	0 days	147FS-18 days
149	Concreting	NA	As Possible	14 days	Sun 26/1/11	Sat 26/1/24	0 days	148FS-18 days
150	**Walls**	**NA**	**As Possible**	**52 days**	**Sun 26/1/25**	**Tue 26/3/17**	**0 days**	
151	Rebar Fixing	NA	As Possible	35 days	Sun 26/1/25	Sat 26/2/28	0 days	149
152	Formwork Erection and Cast-in items	NA	As Possible	35 days	Wed 26/2/11	Tue 26/3/17	0 days	151FS-18 days
153	Concreting	NA	As Possible	14 days	Sat 26/2/28	Fri 26/3/13	0 days	152FS-18 days
154	Backfilling and Compaction	NA	As Possible	30 days	Sat 26/3/14	Sun 26/4/12	0 days	153
155	Removal of Sheetpiles	NA	As Possible	30 days	Tue 26/3/24	Wed 26/4/22	0 days	154FS-20 days
156	Demolish & relocate porch, hoarding YLL797/44	NA	As Possible	20 days	Fri 26/4/3	Wed 26/4/22	0 days	155FS-20 days
157	Demolish & relocate porch YLL797/38,39	NA	As Possible	20 days	Fri 26/4/3	Wed 26/4/22	0 days	155FS-20 days
158	**HC08 CH.A500.00~CH.A546.816**	**NA**	**As Possible**	**170 days**	**Wed 26/4/8**	**Thu 26/9/24**	**0 days**	
159	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	30 days	Wed 26/4/8	Thu 26/5/7	0 days	156FS-15 days,
160	Excavation and Lateral Support	NA	As Possible	30 days	Thu 26/4/23	Fri 26/5/22	0 days	159FS-15 days
161	**Ground and Edge Beams**	**NA**	**As Possible**	**65 days**	**Fri 26/5/8**	**Sat 26/7/11**	**0 days**	
162	Install precast portion	NA	As Possible	40 days	Fri 26/5/8	Tue 26/6/16	0 days	160FS-15 days
163	Rebar Fixing	NA	As Possible	30 days	Thu 26/5/28	Fri 26/6/26	0 days	162FS-20 days
164	Formwork Erection and Cast-in items	NA	As Possible	30 days	Fri 26/6/12	Sat 26/7/11	0 days	163FS-15 days
165	Concreting	NA	As Possible	10 days	Sat 26/6/27	Mon 26/7/6	0 days	164FS-15 days
166	**Walls**	**NA**	**As Possible**	**45 days**	**Tue 26/7/7**	**Thu 26/8/20**	**0 days**	
167	Rebar Fixing	NA	As Possible	30 days	Tue 26/7/7	Wed 26/8/5	0 days	165
168	Formwork Erection and Cast-in items	NA	As Possible	30 days	Wed 26/7/22	Thu 26/8/20	0 days	167FS-15 days
169	Concreting	NA	As Possible	10 days	Thu 26/8/6	Sat 26/8/15	0 days	168FS-15 days
170	Backfilling and Compaction	NA	As Possible	30 days	Sun 26/8/16	Mon 26/9/14	0 days	169
171	Removal of Sheetpiles	NA	As Possible	30 days	Wed 26/8/26	Thu 26/9/24	0 days	170FS-20 days
172	Pedestrian & Vehicular Crossing no. 3 (Box Culvert no. 4)	Thu 27/3/4	o Later Than	60 days	Sat 26/9/5	Tue 26/11/3	121 days	171FS-20 days
173	Demolish & relocate hoarding, wall YLL797/40	NA	As Possible	20 days	Sat 26/9/5	Thu 26/9/24	0 days	171FS-20 days
174	Demolish & relocate storage YLL797/42	NA	As Possible	20 days	Sat 26/9/5	Thu 26/9/24	0 days	171FS-20 days
175	**HC09 CH.A546.816~CH.A611.404**	**NA**	**As Possible**	**155 days**	**Thu 26/9/10**	**Thu 27/2/11**	**0 days**	
176	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	30 days	Thu 26/9/10	Fri 26/10/9	0 days	173FS-15 days,
177	Excavation and Lateral Support	NA	As Possible	30 days	Fri 26/9/25	Sat 26/10/24	0 days	176FS-15 days
178	**Base Slab**	**NA**	**As Possible**	**45 days**	**Sat 26/10/10**	**Mon 26/11/23**	**0 days**	
179	Rebar Fixing	NA	As Possible	30 days	Sat 26/10/10	Sun 26/11/8	0 days	177FS-15 days
180	Formwork Erection and Cast-in items	NA	As Possible	30 days	Sun 26/10/25	Mon 26/11/23	0 days	179FS-15 days
181	Concreting	NA	As Possible	10 days	Mon 26/11/9	Wed 26/11/18	0 days	180FS-15 days
182	**Walls and Roof Slab**	**NA**	**As Possible**	**45 days**	**Thu 26/11/19**	**Sat 27/1/2**	**0 days**	
183	Rebar Fixing	NA	As Possible	30 days	Thu 26/11/19	Fri 26/12/18	0 days	181
184	Formwork Erection and Cast-in items	NA	As Possible	30 days	Fri 26/12/4	Sat 27/1/2	0 days	183FS-15 days
185	Concreting	NA	As Possible	10 days	Sat 26/12/19	Mon 26/12/28	0 days	184FS-15 days
186	Backfilling and Compaction	NA	As Possible	30 days	Tue 26/12/29	Wed 27/1/27	0 days	185
187	Removal of Sheetpiles	NA	As Possible	30 days	Wed 27/1/13	Thu 27/2/11	0 days	186FS-15 days
188	Facing stone	Thu 27/3/4	o Later Than	21 days	Fri 27/2/12	Thu 27/3/4	0 days	187
189	ABWF works	Thu 27/3/4	o Later Than	21 days	Fri 27/2/12	Thu 27/3/4	0 days	187
190	Bedding works	Thu 27/3/4	o Later Than	21 days	Fri 27/2/12	Thu 27/3/4	0 days	187
191	**Drainage Channel Works (West)**	**NA**	**As Possible**	**847 days**	**Fri 24/11/8**	**Thu 27/3/4**	**0 days**	
192	HC11 CH.A674.419~CH.A740.619 (Ex. CH Str. Assessment)	Thu 27/3/4	o Later Than	90 days	Fri 24/11/8	Wed 25/2/5	87 days	21
193	[NCExxx] Structural review for Fu Hing Garden channel	NA	As Possible	120 days	Thu 25/2/6	Thu 25/6/5	87 days	192
194	Demolish ex. Geotechnical feature 6NE-B/R19	NA	As Possible	66 days	Mon 25/9/1	Wed 25/11/5	0 days	3FS-1 day
195	Demolish ex. Geotechnical feature 6NE-B/R19	NA	As Possible	66 days	Mon 25/9/1	Wed 25/11/5	0 days	193,3FS-1 day
196	Demolish & relocate boundary wall, platform, gate YLL797/46	NA	As Possible	66 days	Mon 25/9/1	Wed 25/11/5	0 days	193,3FS-1 day
197	**HC12 CH.A740.619~CH.A863.619**	**NA**	**As Possible**	**263 days**	**Wed 25/10/22**	**Sat 26/7/11**	**0 days**	
198	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	60 days	Wed 25/10/22	Sat 25/12/20	0 days	194FS-15 days,
199	Excavation and Lateral Support	NA	As Possible	60 days	Wed 25/11/26	Sat 26/1/24	0 days	198FS-25 days
200	**Ground and Edge Beams**	**NA**	**As Possible**	**80 days**	**Wed 25/12/31**	**Fri 26/3/20**	**0 days**	
201	Rebar Fixing	NA	As Possible	50 days	Wed 25/12/31	Wed 26/2/18	0 days	199FS-25 days
202	Formwork Erection and Cast-in items	NA	As Possible	50 days	Fri 26/1/30	Fri 26/3/20	0 days	201FS-20 days
203	Concreting	NA	As Possible	14 days	Sun 26/3/1	Sat 26/3/14	0 days	202FS-20 days
204	**Walls**	**NA**	**As Possible**	**80 days**	**Sun 26/3/15**	**Tue 26/6/2**	**0 days**	
205	Rebar Fixing	NA	As Possible	50 days	Sun 26/3/15	Sun 26/5/3	0 days	203
206	Formwork Erection and Cast-in items	NA	As Possible	50 days	Tue 26/4/14	Tue 26/6/2	0 days	205FS-20 days
207	Concreting	NA	As Possible	14 days	Thu 26/5/14	Wed 26/5/27	0 days	206FS-20 days
208	Backfilling and Compaction	NA	As Possible	35 days	Thu 26/5/28	Wed 26/7/1	0 days	207
209	Removal of Sheetpiles	NA	As Possible	30 days	Fri 26/6/12	Sat 26/7/11	0 days	208FS-20 days
210	**HC13 CH.A863.619~CH.A905.630**	**NA**	**As Possible**	**255 days**	**Mon 26/6/22**	**Wed 27/3/3**	**0 days**	
211	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	60 days	Mon 26/6/22	Thu 26/8/20	0 days	209FS-20 days
212	Excavation and Lateral Support	NA	As Possible	60 days	Mon 26/7/27	Thu 26/9/24	0 days	211FS-25 days
213	**Ground and Edge Beams**	**NA**	**As Possible**	**80 days**	**Mon 26/8/31**	**Wed 26/11/18**	**0 days**	
214	Rebar Fixing	NA	As Possible	50 days	Mon 26/8/31	Mon 26/10/19	0 days	212FS-25 days



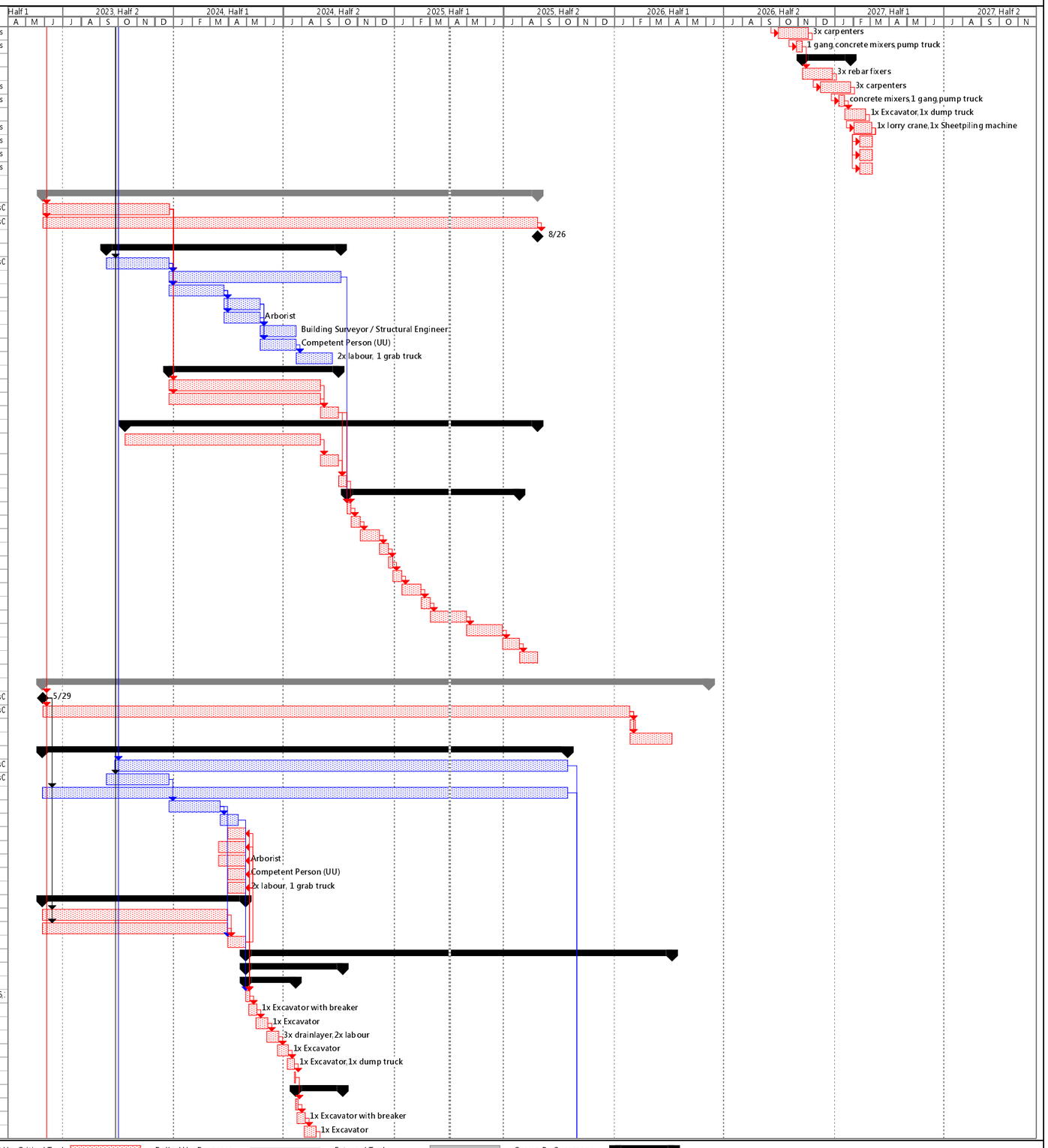
Revision.: 18.0 Date: 28 February 2025

Task | 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
215	Formwork Erection and Cast-in items	NA	As Possible	50 days	Wed 26/9/30	Wed 26/11/18	0 days	214FS-20 days
216	Concreting	NA	As Possible	10 days	Fri 26/10/30	Sun 26/11/8	0 days	215FS-20 days
217	**Walls**	**NA**	**As Possible**	**80 days**	**Mon 26/11/9**	**Wed 27/1/27**	**0 days**	
218	Rebar Fixing	NA	As Possible	50 days	Mon 26/11/9	Mon 26/12/28	0 days	216
219	Formwork Erection and Cast-in items	NA	As Possible	50 days	Wed 26/12/9	Wed 27/1/27	0 days	218FS-20 days
220	Concreting	NA	As Possible	10 days	Fri 27/1/8	Sun 27/1/17	0 days	219FS-20 days
221	Backfilling and Compaction	NA	As Possible	35 days	Mon 27/1/18	Sun 27/2/21	0 days	220
222	Removal of Sheetpiles	NA	As Possible	30 days	Tue 27/2/2	Wed 27/3/3	0 days	221FS-20 days
223	Facing stone	Thu 27/3/4	No Later Than	21 days	Fri 27/2/12	Thu 27/3/4	0 days	222FS-20 days
224	ABWF works	Thu 27/3/4	No Later Than	21 days	Fri 27/2/12	Thu 27/3/4	0 days	222FS-20 days
225	Bedding works	Thu 27/3/4	No Later Than	21 days	Fri 27/2/12	Thu 27/3/4	0 days	222FS-20 days
121								
122	**Section VII**	**NA**	**As Possible**	**820 days**	**Tue 23/5/30**	**Tue 25/8/26**	**0 days**	
2	access date of Portion D	NA	As Possible	210 days	Tue 23/5/30	Mon 23/12/25	0 days	\\WingTatNasC
3	section VII (Ha Che - Fam Kam Road)	Tue 25/8/26	No Later Than	820 days	Tue 23/5/30	Tue 25/8/26	0 days	\\WingTatNasC
4	Extended Completion Day	NA	As Possible	0 days	Tue 25/8/26	Tue 25/8/26	582 days	3
5	**Site Establishment**	**NA**	**As Possible**	**389 days**	**Tue 23/9/12**	**Fri 24/10/4**	**10 days**	
6	Public Liaison and Negotiation with Village Rep. [A]	NA	As Possible	104 days	Tue 23/9/12	Sun 23/12/24	10 days	\\WingTatNasC
7	Initial Survey	NA	As Possible	285 days	Mon 23/12/25	Fri 24/10/4	10 days	2FS-1 day,6
9	Initial Safety & Environmental measures	NA	As Possible	91 days	Mon 23/12/25	Sun 24/3/24	922 days	2FS-1 day,6
10	Setup of instrumentation and monitoring	NA	As Possible	60 days	Mon 24/3/25	Thu 24/5/23	922 days	9
11	Tree Survey [A]	NA	As Possible	60 days	Mon 24/3/25	Thu 24/5/23	922 days	9
12	Condition Survey	NA	As Possible	60 days	Fri 24/5/24	Mon 24/7/22	982 days	10,11
13	UU detection	NA	As Possible	60 days	Fri 24/5/24	Mon 24/7/22	922 days	10,11
14	Site Clearance	NA	As Possible	60 days	Tue 24/7/23	Fri 24/9/20	922 days	13
15	**Temporary Traffic Arrangement**	**NA**	**As Possible**	**281 days**	**Mon 23/12/25**	**Mon 24/9/30**	**0 days**	
16	Application of XP	NA	As Possible	251 days	Mon 23/12/25	Sat 24/8/31	0 days	2FS-1 day
17	Submission of TTA and Arrange TMLG [A]	NA	As Possible	251 days	Mon 23/12/25	Sat 24/8/31	0 days	2FS-1 day
18	Approval of TTA [A]	NA	As Possible	30 days	Sun 24/9/1	Mon 24/9/30	0 days	16,17
19	**Drain Laying Works**	**NA**	**As Possible**	**684 days**	**Fri 23/10/13**	**Tue 25/8/26**	**0 days**	
20	[PMI022] Alternative methodology design for drainage channel underneath Fan Kam Road (impact to be ascertained)	Fri 23/10/13	Start No Earlier Than	324 days	Fri 23/10/13	Sat 24/8/31	0 days	
21	Acceptance of alternative methodology and protection method to ex. Dongjiang Watermain [A]	NA	As Soon As Possible	30 days	Sun 24/9/1	Mon 24/9/30	0 days	20
22	Protection to ex. Dongjiang Water Main [A]	NA	As Possible	14 days	Tue 24/10/1	Mon 24/10/14	0 days	18,21
23	**HC10 CH.A611.404~CH.A674.419 (Fan Kam Road)**	**NA**	**As Possible**	**286 days**	**Tue 24/10/15**	**Sun 25/7/27**	**0 days**	
24	N/B TTA implementation [A]	NA	As Possible	7 days	Tue 24/10/15	Mon 24/10/21	0 days	22,18,7
25	Sheet Piles installation [A]	NA	As Possible	15 days	Tue 24/10/22	Tue 24/11/5	0 days	24
26	Construction of top slab [A]	NA	As Possible	32 days	Wed 24/11/6	Sat 24/12/7	0 days	25
27	Backfilling and reinstatement [A]	NA	As Possible	15 days	Sun 24/12/8	Sun 24/12/22	0 days	26
28	S/B TTA implementation [A]	NA	As Possible	7 days	Mon 24/12/23	Sun 24/12/29	0 days	27
29	Sheet Piles installation	NA	As Possible	15 days	Mon 24/12/30	Mon 25/1/13	0 days	28
30	Construction of top slab	NA	As Possible	32 days	Tue 25/1/14	Fri 25/2/14	0 days	29
31	Backfilling and reinstatement	NA	As Possible	15 days	Sat 25/2/15	Sat 25/3/1	0 days	30
32	Demolition of existing culvert & install temp. support	NA	As Possible	60 days	Sun 25/3/2	Wed 25/4/30	0 days	31
33	Construction of alternative box-culvert	NA	As Possible	60 days	Thu 25/5/1	Sun 25/6/29	0 days	32
34	Removal of temporary support	NA	As Possible	28 days	Mon 25/6/30	Sun 25/7/27	0 days	33
35	CCTV inspection and T&C	Tue 25/8/26	No Later Than	30 days	Mon 25/7/28	Tue 25/8/26	0 days	34
123								
124	**Section V**	**NA**	**As Possible**	**1105 days**	**Mon 23/5/29**	**Sat 26/6/6**	**0 days**	
2	access date of Portion E1	Mon 26/1/26	No Later Than	0 days	Mon 23/5/29	Mon 23/5/29	0 days	\\WingTatNasC
3	section V (Shan Ha Tsuen - Shan Ha Road)	NA	As Possible	973 days	Tue 23/5/30	Mon 26/1/26	0 days	\\WingTatNasC
4	Extended Completion Day	Wed 26/2/4	No Later Than	9 days	Tue 26/1/27	Wed 26/2/4	0 days	3
5	Planned Completion Day	Mon 26/4/6	No Later Than	70 days	Tue 26/1/27	Mon 26/4/6	0 days	3
6	**Site Establishment**	**NA**	**As Possible**	**871 days**	**Mon 23/5/29**	**Wed 25/10/15**	**15 days**	
7	Prepare and Accept Temp. Works Design and Method Statement [A]	Mon 26/4/6	No Later Than	751 days	Tue 23/9/26	Wed 25/10/15	15 days	\\WingTatNasC
8	Public Liaison and Negotiation with Village Rep. [A]	NA	As Possible	104 days	Tue 23/9/12	Sun 23/12/24	12 days	\\WingTatNasC
9	Initial Survey [A]	Mon 26/4/6	No Later Than	871 days	Mon 23/5/29	Wed 25/10/15	15 days	2FS-1 day
10	[EWN011] Objection and additional request of Village Rep.	NA	As Possible	85 days	Mon 23/12/25	Mon 24/3/18	12 days	8
11	[EWN011] Objection and additional request of Village Rep.	NA	As Possible	30 days	Tue 24/3/19	Wed 24/4/17	12 days	10
13	Initial Safety & Environmental measures [A]	NA	As Possible	30 days	Sun 24/3/31	Mon 24/4/29	0 days	18FF
15	Setup of instrumentation and monitoring [A]	NA	As Possible	45 days	Sat 24/3/16	Mon 24/4/29	0 days	18FF
16	Tree Survey [A]	NA	As Possible	45 days	Sat 24/3/16	Mon 24/4/29	0 days	18FF
17	UU detection [A]	NA	As Possible	30 days	Sun 24/3/31	Mon 24/4/29	0 days	18FF
18	Site Clearance [A]	NA	As Possible	30 days	Sun 24/3/31	Mon 24/4/29	0 days	22FF
19	**Temporary Traffic Arrangement**	**NA**	**As Possible**	**337 days**	**Mon 23/5/29**	**Mon 24/4/29**	**0 days**	
20	Application of XP [A]	NA	As Possible	307 days	Mon 23/5/29	Sat 24/3/30	0 days	2FS-1 day
21	Submission of TTA and Arrange TMLG [A]	NA	As Possible	307 days	Mon 23/5/29	Sat 24/3/30	0 days	2FS-1 day
22	Approval of TTA [A]	NA	As Possible	30 days	Sun 24/3/31	Mon 24/4/29	0 days	20,21,10
23	**Drain Laying Works**	**NA**	**As Possible**	**707 days**	**Tue 24/4/30**	**Mon 26/4/6**	**0 days**	
24	**SHT.A3A~SHT.A04,1500PC,B,L=49.29,D=3.65**	**NA**	**As Possible**	**161 days**	**Tue 24/4/30**	**Mon 24/10/7**	**0 days**	
25	**Stage 1**	**NA**	**As Possible**	**83 days**	**Tue 24/4/30**	**Sun 24/7/21**	**0 days**	
26	TTA Implementation (trial run) [A]	NA	As Possible	7 days	Tue 24/4/30	Mon 24/5/6	0 days	18,22,13,15,16,1
27	Breaking Ground [A]	NA	As Possible	14 days	Sun 24/5/5	Sat 24/5/18	0 days	26FS-2 days
28	Excavation and Lateral Support [A]	NA	As Possible	20 days	Fri 24/5/17	Wed 24/6/5	0 days	27FS-2 days
29	Drain Laying [A]	NA	As Possible	20 days	Tue 24/6/4	Sun 24/6/23	0 days	28FS-2 days
30	Bedding and Backfilling [A]	NA	As Possible	18 days	Sat 24/6/22	Tue 24/7/9	0 days	29FS-2 days
31	Reinstatement [A]	NA	As Possible	12 days	Mon 24/7/8	Fri 24/7/19	0 days	30FS-2 days
32	TTA Removal [A]	NA	As Possible	2 days	Sat 24/7/20	Sun 24/7/21	0 days	31
33	**Stage 2**	**NA**	**As Possible**	**78 days**	**Mon 24/7/22**	**Mon 24/10/7**	**0 days**	
34	TTA Implementation [A]	NA	As Possible	4 days	Mon 24/7/22	Thu 24/7/25	0 days	32
35	Breaking Ground [A]	NA	As Possible	14 days	Wed 24/7/24	Tue 24/8/6	0 days	34FS-2 days
36	Excavation and Lateral Support [A]	NA	As Possible	20 days	Mon 24/8/5	Sat 24/8/24	0 days	35FS-2 days



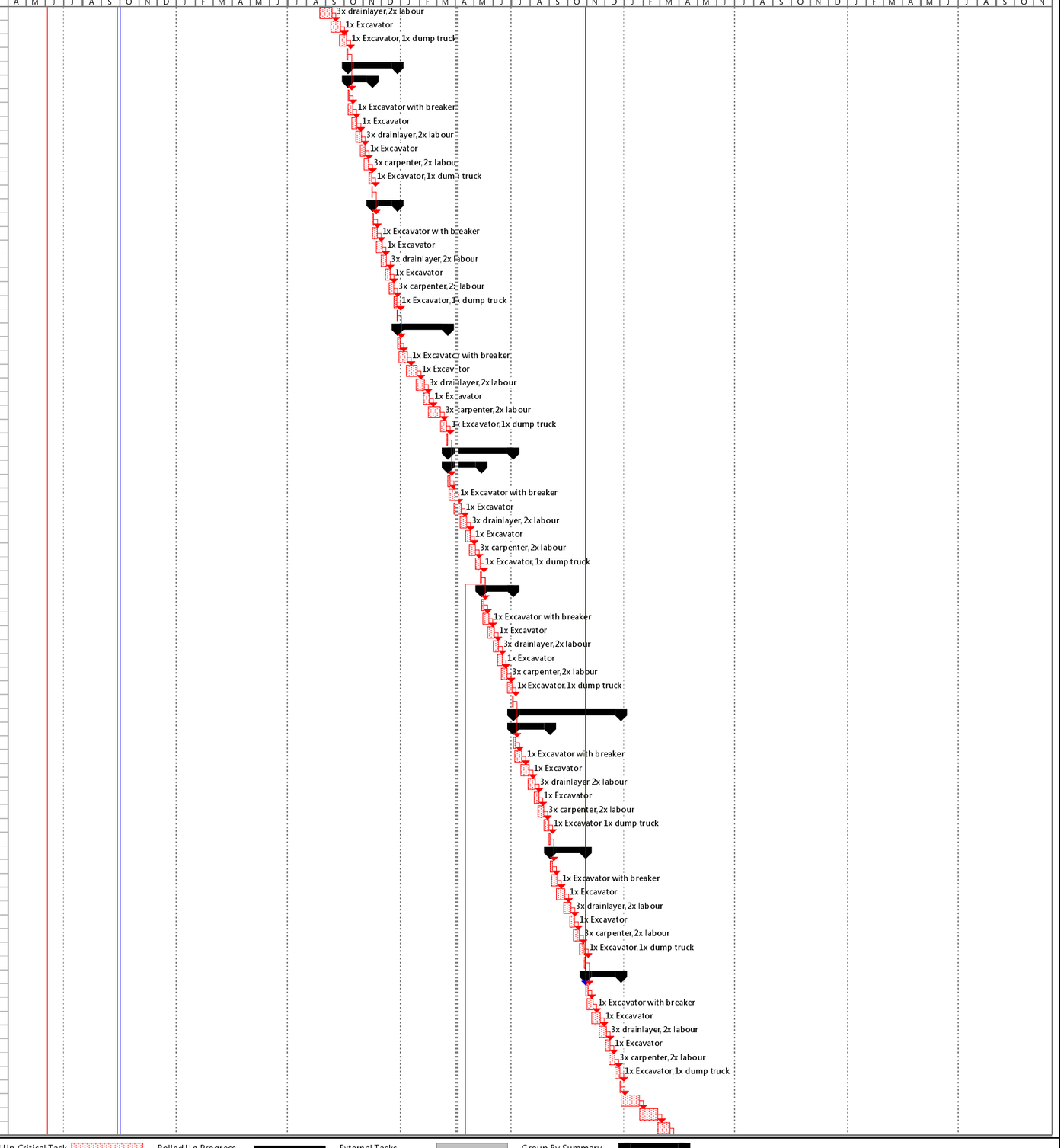
Revision.: 18.0 Date: 28 February 2025

´Task | 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
37	Drain Laying [A]	NA	As Possible	20 days	Fri 24/8/23	Wed 24/9/11	0 days	36FS-2 days
38	Bedding and Backfilling [A]	NA	As Possible	16 days	Tue 24/9/10	Wed 24/9/25	0 days	37FS-2 days
39	Reinstatement [A]	NA	As Possible	12 days	Tue 24/9/24	Sat 24/10/5	0 days	38FS-2 days
40	TTA Removal [A]	NA	As Possible	2 days	Sun 24/10/6	Mon 24/10/7	0 days	39
41	**SHT.A05~ SHT.A06A,1500PC,B,L=13.12,D=3.15**	**NA**	**As Possible**	**81 days**	**Tue 24/10/8**	**Fri 24/12/27**	**0 days**	
42	**Stage 1**	**NA**	**As Possible**	**40 days**	**Tue 24/10/8**	**Sat 24/11/16**	**0 days**	
43	TTA Implementation [A]	NA	As Possible	2 days	Tue 24/10/8	Wed 24/10/9	0 days	40
44	Breaking Ground [A]	NA	As Possible	8 days	Tue 24/10/8	Tue 24/10/15	0 days	43FS-2 days
45	Excavation and Lateral Support [A]	NA	As Possible	9 days	Mon 24/10/14	Tue 24/10/22	0 days	44FS-2 days
46	Drain Laying [A]	NA	As Possible	9 days	Mon 24/10/21	Tue 24/10/29	0 days	45FS-2 days
47	Bedding and Backfilling [A]	NA	As Possible	8 days	Mon 24/10/28	Mon 24/11/4	0 days	46FS-2 days
48	Manhole Construction [A]	NA	As Possible	8 days	Sun 24/11/3	Sun 24/11/10	0 days	47FS-2 days
49	Reinstatement [A]	NA	As Possible	5 days	Mon 24/11/11	Fri 24/11/15	0 days	48
50	TTA Removal [A]	NA	As Possible	1 day	Sat 24/11/16	Sat 24/11/16	0 days	49
51	**Stage 2**	**NA**	**As Possible**	**41 days**	**Sun 24/11/17**	**Fri 24/12/27**	**0 days**	
52	TTA Implementation [A]	NA	As Possible	2 days	Sun 24/11/17	Mon 24/11/18	0 days	50
53	Breaking Ground [A]	NA	As Possible	8 days	Sun 24/11/17	Sun 24/11/24	0 days	52FS-2 days
54	Excavation and Lateral Support	NA	As Possible	10 days	Sat 24/11/23	Mon 24/12/2	0 days	53FS-2 days
55	Drain Laying	NA	As Possible	9 days	Sun 24/12/1	Mon 24/12/9	0 days	54FS-2 days
56	Bedding and Backfilling	NA	As Possible	8 days	Sun 24/12/8	Sun 24/12/15	0 days	55FS-2 days
57	Manhole Construction	NA	As Possible	8 days	Sat 24/12/14	Sat 24/12/21	0 days	56FS-2 days
58	Reinstatement	NA	As Possible	5 days	Sun 24/12/22	Thu 24/12/26	0 days	57
59	TTA Removal	NA	As Possible	1 day	Fri 24/12/27	Fri 24/12/27	0 days	58
60	**SHT.A03~ SHT.A3A,1500PC,B,L=8.59,D=3.65**	**NA**	**As Possible**	**82 days**	**Sat 24/12/28**	**Wed 25/3/19**	**0 days**	
61	TTA Implementation	NA	As Possible	4 days	Sat 24/12/28	Tue 24/12/31	0 days	59
62	Breaking Ground	NA	As Possible	14 days	Mon 24/12/30	Sun 25/1/12	0 days	61FS-2 days
63	Excavation and Lateral Support	NA	As Possible	18 days	Sat 25/1/11	Tue 25/1/28	0 days	62FS-2 days
64	Drain Laying	NA	As Possible	14 days	Mon 25/1/27	Sun 25/2/9	0 days	63FS-2 days
65	Bedding and Backfilling	NA	As Possible	10 days	Sat 25/2/8	Mon 25/2/17	0 days	64FS-2 days
66	Manhole Construction	NA	As Possible	20 days	Sun 25/2/16	Fri 25/3/7	0 days	65FS-2 days
67	Reinstatement	NA	As Possible	10 days	Sat 25/3/8	Mon 25/3/17	0 days	66
68	TTA Removal	NA	As Possible	2 days	Tue 25/3/18	Wed 25/3/19	0 days	67
69	**SHT.A02~ SHT.A03,1500PC,T,L=32.82,D=3.6**	**NA**	**As Possible**	**107 days**	**Thu 25/3/20**	**Fri 25/7/4**	**0 days**	
70	**Stage 1**	**NA**	**As Possible**	**55 days**	**Thu 25/3/20**	**Tue 25/5/13**	**0 days**	
71	TTA Implementation	NA	As Possible	4 days	Thu 25/3/20	Sun 25/3/23	0 days	68
72	Breaking Ground	NA	As Possible	10 days	Sat 25/3/22	Mon 25/3/31	0 days	71FS-2 days
73	Excavation and Lateral Support	NA	As Possible	12 days	Sun 25/3/30	Thu 25/4/10	0 days	72FS-2 days
74	Drain Laying	NA	As Possible	11 days	Wed 25/4/9	Sat 25/4/19	0 days	73FS-2 days
75	Bedding and Backfilling	NA	As Possible	8 days	Fri 25/4/18	Fri 25/4/25	0 days	74FS-2 days
76	Manhole Construction	NA	As Possible	10 days	Thu 25/4/24	Sat 25/5/3	0 days	75FS-2 days
77	Reinstatement	NA	As Possible	8 days	Sun 25/5/4	Sun 25/5/11	0 days	76
78	TTA Removal	NA	As Possible	2 days	Mon 25/5/12	Tue 25/5/13	0 days	77
79	**Stage 2**	**NA**	**As Possible**	**52 days**	**Wed 25/5/14**	**Fri 25/7/4**	**0 days**	
80	TTA Implementation	NA	As Possible	4 days	Wed 25/5/14	Sat 25/5/17	0 days	78
81	Breaking Ground	NA	As Possible	10 days	Fri 25/5/16	Sun 25/5/25	0 days	80FS-2 days
82	Excavation and Lateral Support	NA	As Possible	11 days	Sat 25/5/24	Tue 25/6/3	0 days	81FS-2 days
83	Drain Laying	NA	As Possible	9 days	Mon 25/6/2	Tue 25/6/10	0 days	82FS-2 days
84	Bedding and Backfilling	NA	As Possible	8 days	Mon 25/6/9	Mon 25/6/16	0 days	83FS-2 days
85	Manhole Construction	NA	As Possible	10 days	Sun 25/6/15	Tue 25/6/24	0 days	84FS-2 days
86	Reinstatement	NA	As Possible	8 days	Wed 25/6/25	Wed 25/7/2	0 days	85
87	TTA Removal	NA	As Possible	2 days	Thu 25/7/3	Fri 25/7/4	0 days	86
88	**SHT.A04~ SHT.A05,1500PC,B,L=81.31,D=3.44**	**NA**	**As Possible**	**176 days**	**Sat 25/7/5**	**Sat 25/12/27**	**0 days**	
89	**Stage 1**	**NA**	**As Possible**	**60 days**	**Sat 25/7/5**	**Tue 25/9/2**	**0 days**	
90	TTA Implementation	NA	As Possible	4 days	Sat 25/7/5	Tue 25/7/8	0 days	87
91	Breaking Ground	NA	As Possible	12 days	Mon 25/7/7	Fri 25/7/18	0 days	90FS-2 days
92	Excavation and Lateral Support	NA	As Possible	14 days	Thu 25/7/17	Wed 25/7/30	0 days	91FS-2 days
93	Drain Laying	NA	As Possible	12 days	Tue 25/7/29	Sat 25/8/9	0 days	92FS-2 days
94	Bedding and Backfilling	NA	As Possible	8 days	Fri 25/8/8	Fri 25/8/15	0 days	93FS-2 days
95	Manhole Construction	NA	As Possible	10 days	Thu 25/8/14	Sat 25/8/23	0 days	94FS-2 days
96	Reinstatement	NA	As Possible	8 days	Sun 25/8/24	Sun 25/8/31	0 days	95
97	TTA Removal	NA	As Possible	2 days	Mon 25/9/1	Tue 25/9/2	0 days	96
98	**Stage 2**	**NA**	**As Possible**	**58 days**	**Wed 25/9/3**	**Thu 25/10/30**	**0 days**	
99	TTA Implementation	NA	As Possible	4 days	Wed 25/9/3	Sat 25/9/6	0 days	97
100	Breaking Ground	NA	As Possible	10 days	Fri 25/9/5	Sun 25/9/14	0 days	99FS-2 days
101	Excavation and Lateral Support	NA	As Possible	14 days	Sat 25/9/13	Fri 25/9/26	0 days	100FS-2 days
102	Drain Laying	NA	As Possible	12 days	Thu 25/9/25	Mon 25/10/6	0 days	101FS-2 days
103	Bedding and Backfilling	NA	As Possible	8 days	Sun 25/10/5	Sun 25/10/12	0 days	102FS-2 days
104	Manhole Construction	NA	As Possible	10 days	Sat 25/10/11	Mon 25/10/20	0 days	103FS-2 days
105	Reinstatement	NA	As Possible	8 days	Tue 25/10/21	Tue 25/10/28	0 days	104
106	TTA Removal	NA	As Possible	2 days	Wed 25/10/29	Thu 25/10/30	0 days	105
107	**Stage 3**	**NA**	**As Possible**	**58 days**	**Fri 25/10/31**	**Sat 25/12/27**	**0 days**	
108	TTA Implementation	NA	As Possible	4 days	Fri 25/10/31	Mon 25/11/3	0 days	106,79
109	Breaking Ground	NA	As Possible	10 days	Sun 25/11/2	Tue 25/11/11	0 days	108FS-2 days
110	Excavation and Lateral Support	NA	As Possible	14 days	Mon 25/11/10	Sun 25/11/23	0 days	109FS-2 days
111	Drain Laying	NA	As Possible	12 days	Sat 25/11/22	Wed 25/12/3	0 days	110FS-2 days
112	Bedding and Backfilling	NA	As Possible	8 days	Tue 25/12/2	Tue 25/12/9	0 days	111FS-2 days
113	Manhole Construction	NA	As Possible	10 days	Mon 25/12/8	Wed 25/12/17	0 days	112FS-2 days
114	Reinstatement	NA	As Possible	8 days	Thu 25/12/18	Thu 25/12/25	0 days	113
115	TTA Removal	NA	As Possible	2 days	Fri 25/12/26	Sat 25/12/27	0 days	114
116	Connection of ex. 900pipe to SHT.A05	NA	As Possible	30 days	Sun 25/12/28	Mon 26/1/26	0 days	115
117	Connection of ex. 900pipe to SHT.A06A	NA	As Possible	30 days	Tue 26/1/27	Wed 26/2/25	0 days	116
118	CCTV inspection	NA	As Possible	20 days	Thu 26/2/26	Tue 26/3/17	0 days	117



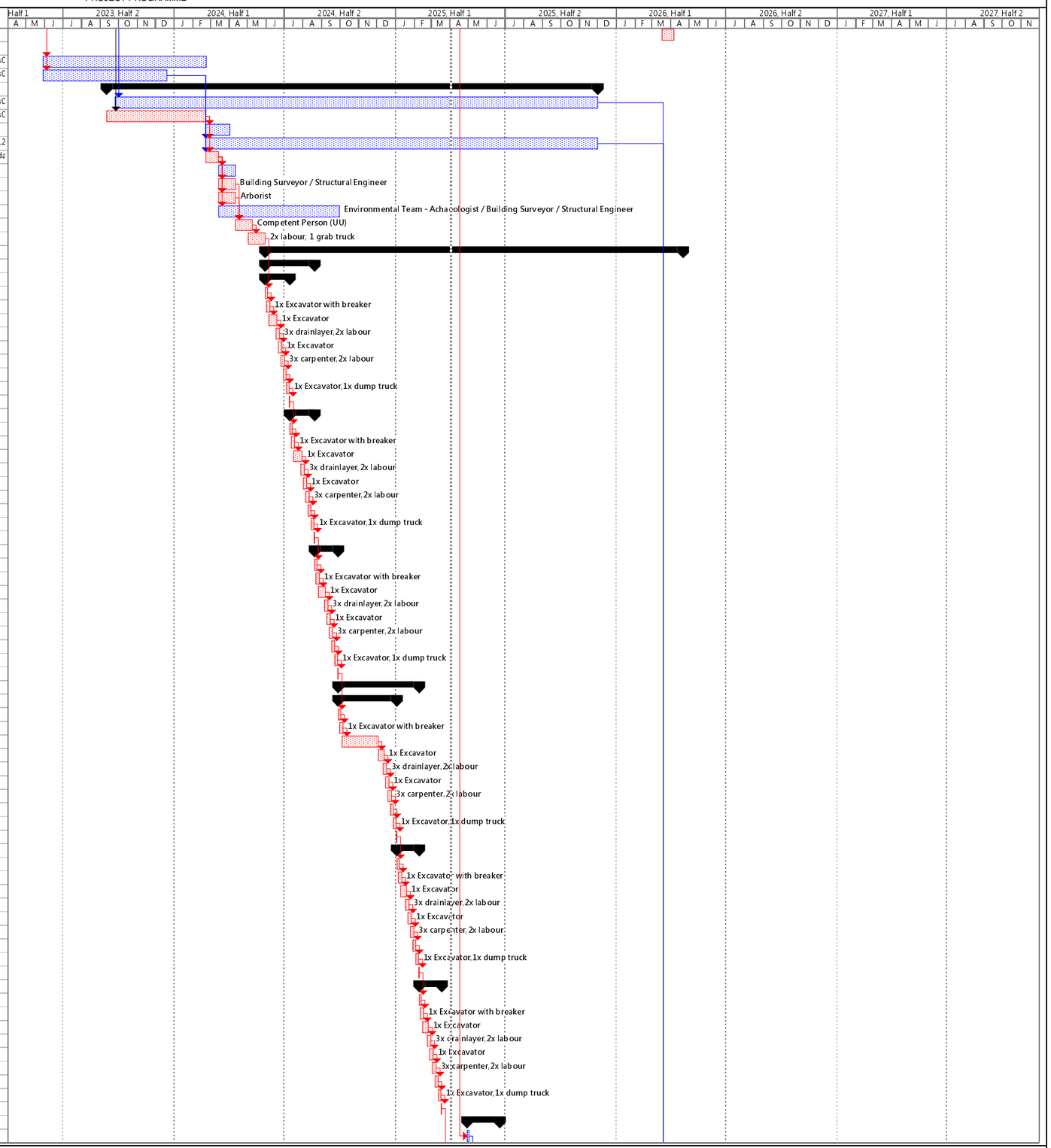
Revision.: 18.0 Date: 28 February 2025

Task | 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
119	Reinstatement	Mon 26/4/6	o Later Than	20 days	Wed 26/3/18	Mon 26/4/6	0 days	118
120								
121	access date of Portion E2	Mon 26/1/26	o Later Than	270 days	Tue 23/5/30	Fri 24/2/23	703 days	\\WingTatNasC
122	Early Access (partial) [A]	NA	n As Possible	205 days	Tue 23/5/30	Wed 23/12/20	65 days	\\WingTatNasC
123	**Site Establishment**	**NA**	**n As Possible**	**812 days**	**Tue 23/9/12**	**Mon 25/12/1**	**0 days**	
124	Prepare and Accept Temp. Works Design and Method Statement [A]	NA	n As Possible	798 days	Tue 23/9/26	Mon 25/12/1	108 days	\\WingTatNasC
125	Public Liaison and Negotiation with Village Rep.	NA	n As Possible	164 days	Tue 23/9/12	Thu 24/2/22	0 days	\\WingTatNasC
126	[NCExxx] Objection and additional request of local landlord	NA	n As Possible	40 days	Fri 24/2/23	Tue 24/4/2	1093 days	125
127	Initial Survey [A]	NA	n As Possible	648 days	Fri 24/2/23	Mon 25/12/1	108 days	122FS-1 day,12
128	Initial Safety & Environmental measures [A]	NA	n As Possible	21 days	Fri 24/2/23	Thu 24/3/14	0 days	125,122FS-1 da
129	Setup of instrumentation and monitoring [A]	NA	n As Possible	28 days	Fri 24/3/15	Thu 24/4/11	1084 days	128
130	Condition Survey [A]	NA	n As Possible	28 days	Fri 24/3/15	Thu 24/4/11	0 days	128
131	Tree Survey [A]	NA	n As Possible	28 days	Fri 24/3/15	Thu 24/4/11	0 days	128
132	Built Heritage Survey [A]	NA	n As Possible	200 days	Fri 24/3/15	Mon 24/9/30	912 days	128
133	UU detection [A]	NA	n As Possible	28 days	Fri 24/4/12	Thu 24/5/9	0 days	130,131
134	Site Clearance [A]	NA	n As Possible	28 days	Fri 24/5/3	Thu 24/5/30	0 days	133FS-7 days
135	**Drain Laying Works (West)**	**NA**	**n As Possible**	**691 days**	**Fri 24/5/31**	**Tue 26/4/21**	**0 days**	
136	**SHT.B02~SHT.B03,900PC,B,L=36.94,D=1.72**	**NA**	**n As Possible**	**82 days**	**Fri 24/5/31**	**Tue 24/8/20**	**0 days**	
137	**Stage 1**	**NA**	**n As Possible**	**41 days**	**Fri 24/5/31**	**Wed 24/7/10**	**0 days**	
138	TTA implementation [A]	NA	n As Possible	4 days	Fri 24/5/31	Mon 24/6/3	0 days	134
139	Breaking pavement [A]	NA	n As Possible	6 days	Sun 24/6/2	Fri 24/6/7	0 days	138FS-2 days
140	Excavation and Lateral Support [A]	NA	n As Possible	14 days	Thu 24/6/6	Wed 24/6/19	0 days	139FS-2 days
141	Manhole bedding construction [A]	NA	n As Possible	6 days	Tue 24/6/18	Sun 24/6/23	0 days	140FS-2 days
142	Drain Laying [A]	NA	n As Possible	6 days	Sat 24/6/22	Thu 24/6/27	0 days	141FS-2 days
143	Manhole construction [A]	NA	n As Possible	6 days	Wed 24/6/26	Mon 24/7/1	0 days	142FS-2 days
144	Backfilling and Compaction [A]	NA	n As Possible	5 days	Sun 24/6/30	Thu 24/7/4	0 days	143FS-2 days
145	Reinstatement [A]	NA	n As Possible	5 days	Fri 24/7/5	Tue 24/7/9	0 days	144
146	TTA removal [A]	NA	n As Possible	1 day	Wed 24/7/10	Wed 24/7/10	0 days	145
147	**Stage 2**	**NA**	**n As Possible**	**41 days**	**Thu 24/7/11**	**Tue 24/8/20**	**0 days**	
148	TTA implementation [A]	NA	n As Possible	4 days	Thu 24/7/11	Sun 24/7/14	0 days	146
149	Breaking pavement [A]	NA	n As Possible	6 days	Sat 24/7/13	Thu 24/7/18	0 days	148FS-2 days
150	Excavation and Lateral Support [A]	NA	n As Possible	14 days	Wed 24/7/17	Tue 24/7/30	0 days	149FS-2 days
151	Manhole bedding construction [A]	NA	n As Possible	6 days	Mon 24/7/29	Sat 24/8/3	0 days	150FS-2 days
152	Drain Laying [A]	NA	n As Possible	6 days	Fri 24/8/2	Wed 24/8/7	0 days	151FS-2 days
153	Manhole construction [A]	NA	n As Possible	6 days	Tue 24/8/6	Sun 24/8/11	0 days	152FS-2 days
154	Backfilling and Compaction [A]	NA	n As Possible	5 days	Sat 24/8/10	Wed 24/8/14	0 days	153FS-2 days
155	Reinstatement	NA	n As Possible	5 days	Thu 24/8/15	Mon 24/8/19	0 days	154
156	TTA removal	NA	n As Possible	1 day	Tue 24/8/20	Tue 24/8/20	0 days	155
157	**SHT.B03~SHT.B04,900PC,B,L=21,D=1.97**	**NA**	**n As Possible**	**39 days**	**Wed 24/8/21**	**Sat 24/9/28**	**0 days**	
158	TTA implementation [A]	NA	n As Possible	4 days	Wed 24/8/21	Sat 24/8/24	0 days	156
159	Breaking pavement [A]	NA	n As Possible	6 days	Fri 24/8/23	Wed 24/8/28	0 days	158FS-2 days
160	Excavation and Lateral Support [A]	NA	n As Possible	12 days	Tue 24/8/27	Sat 24/9/7	0 days	159FS-2 days
161	Manhole bedding construction [A]	NA	n As Possible	6 days	Fri 24/9/6	Wed 24/9/11	0 days	160FS-2 days
162	Drain Laying	NA	n As Possible	6 days	Tue 24/9/10	Sun 24/9/15	0 days	161FS-2 days
163	Manhole construction [A]	NA	n As Possible	6 days	Sat 24/9/14	Thu 24/9/19	0 days	162FS-2 days
164	Backfilling and Compaction [A]	NA	n As Possible	5 days	Wed 24/9/18	Sun 24/9/22	0 days	163FS-2 days
165	Reinstatement [A]	NA	n As Possible	5 days	Mon 24/9/23	Fri 24/9/27	0 days	164
166	TTA removal [A]	NA	n As Possible	1 day	Sat 24/9/28	Sat 24/9/28	0 days	165
167	**SHT.B01~SHT.B02,900PC,B,L=61.6,D=1.59**	**NA**	**n As Possible**	**134 days**	**Sun 24/9/29**	**Sun 25/2/9**	**0 days**	
168	**Stage 1**	**NA**	**n As Possible**	**97 days**	**Sun 24/9/29**	**Fri 25/1/3**	**0 days**	
169	TTA implementation [A]	NA	n As Possible	4 days	Sun 24/9/29	Wed 24/10/2	0 days	166
170	Breaking pavement [A]	NA	n As Possible	6 days	Tue 24/10/1	Sun 24/10/6	0 days	169FS-2 days
171	[NCExxx] CLP cable diversion	NA	n As Possible	60 days	Sat 24/10/5	Tue 24/12/3	0 days	170FS-2 days
172	Excavation and Lateral Support	NA	n As Possible	10 days	Wed 24/12/4	Fri 24/12/13	0 days	171
173	Manhole bedding construction	NA	n As Possible	6 days	Thu 24/12/12	Tue 24/12/17	0 days	172FS-2 days
174	Drain Laying	NA	n As Possible	6 days	Mon 24/12/16	Sat 24/12/21	0 days	173FS-2 days
175	Manhole construction	NA	n As Possible	6 days	Fri 24/12/20	Wed 24/12/25	0 days	174FS-2 days
176	Backfilling and Compaction	NA	n As Possible	5 days	Tue 24/12/24	Sat 24/12/28	0 days	175FS-2 days
177	Reinstatement	NA	n As Possible	5 days	Sun 24/12/29	Thu 25/1/2	0 days	176
178	TTA removal	NA	n As Possible	1 day	Fri 25/1/3	Fri 25/1/3	0 days	177
179	**Stage 2**	**NA**	**n As Possible**	**37 days**	**Sat 25/1/4**	**Sun 25/2/9**	**0 days**	
180	TTA implementation	NA	n As Possible	4 days	Sat 25/1/4	Tue 25/1/7	0 days	178
181	Breaking pavement	NA	n As Possible	6 days	Mon 25/1/6	Sat 25/1/11	0 days	180FS-2 days
182	Excavation and Lateral Support	NA	n As Possible	10 days	Fri 25/1/10	Sun 25/1/19	0 days	181FS-2 days
183	Manhole bedding construction	NA	n As Possible	6 days	Sat 25/1/18	Thu 25/1/23	0 days	182FS-2 days
184	Drain Laying	NA	n As Possible	6 days	Wed 25/1/22	Mon 25/1/27	0 days	183FS-2 days
185	Manhole construction	NA	n As Possible	6 days	Sun 25/1/26	Fri 25/1/31	0 days	184FS-2 days
186	Backfilling and Compaction	NA	n As Possible	5 days	Thu 25/1/30	Mon 25/2/3	0 days	185FS-2 days
187	Reinstatement	NA	n As Possible	5 days	Tue 25/2/4	Sat 25/2/8	0 days	186
188	TTA removal	NA	n As Possible	1 day	Sun 25/2/9	Sun 25/2/9	0 days	187
189	**SHT.CP2~SHT.B01,900PC,B,L=10.36,D=1.59**	**NA**	**n As Possible**	**37 days**	**Mon 25/2/10**	**Tue 25/3/18**	**0 days**	
190	TTA implementation	NA	n As Possible	3 days	Mon 25/2/10	Wed 25/2/12	0 days	188
191	Breaking pavement	NA	n As Possible	6 days	Tue 25/2/11	Sun 25/2/16	0 days	190FS-2 days
192	Excavation and Lateral Support	NA	n As Possible	10 days	Sat 25/2/15	Mon 25/2/24	0 days	191FS-2 days
193	Manhole bedding construction	NA	n As Possible	6 days	Sun 25/2/23	Fri 25/2/28	0 days	192FS-2 days
194	Drain Laying	NA	n As Possible	6 days	Thu 25/2/27	Tue 25/3/4	0 days	193FS-2 days
195	Manhole construction	NA	n As Possible	7 days	Mon 25/3/3	Sun 25/3/9	0 days	194FS-2 days
196	Backfilling and Compaction	NA	n As Possible	5 days	Sat 25/3/8	Wed 25/3/12	0 days	195FS-2 days
197	Reinstatement	NA	n As Possible	5 days	Thu 25/3/13	Mon 25/3/17	0 days	196
198	TTA removal	NA	n As Possible	1 day	Tue 25/3/18	Tue 25/3/18	0 days	197
199	**SHT.B04~SHT.A1A,900PC,B,L=13.155D=2.06**	**NA**	**n As Possible**	**54 days**	**Wed 25/4/30**	**Sun 25/6/22**	**45 days**	
200	TTA implementation	NA	n As Possible	3 days	Wed 25/4/30	Fri 25/5/2	45 days	78FS-14 days

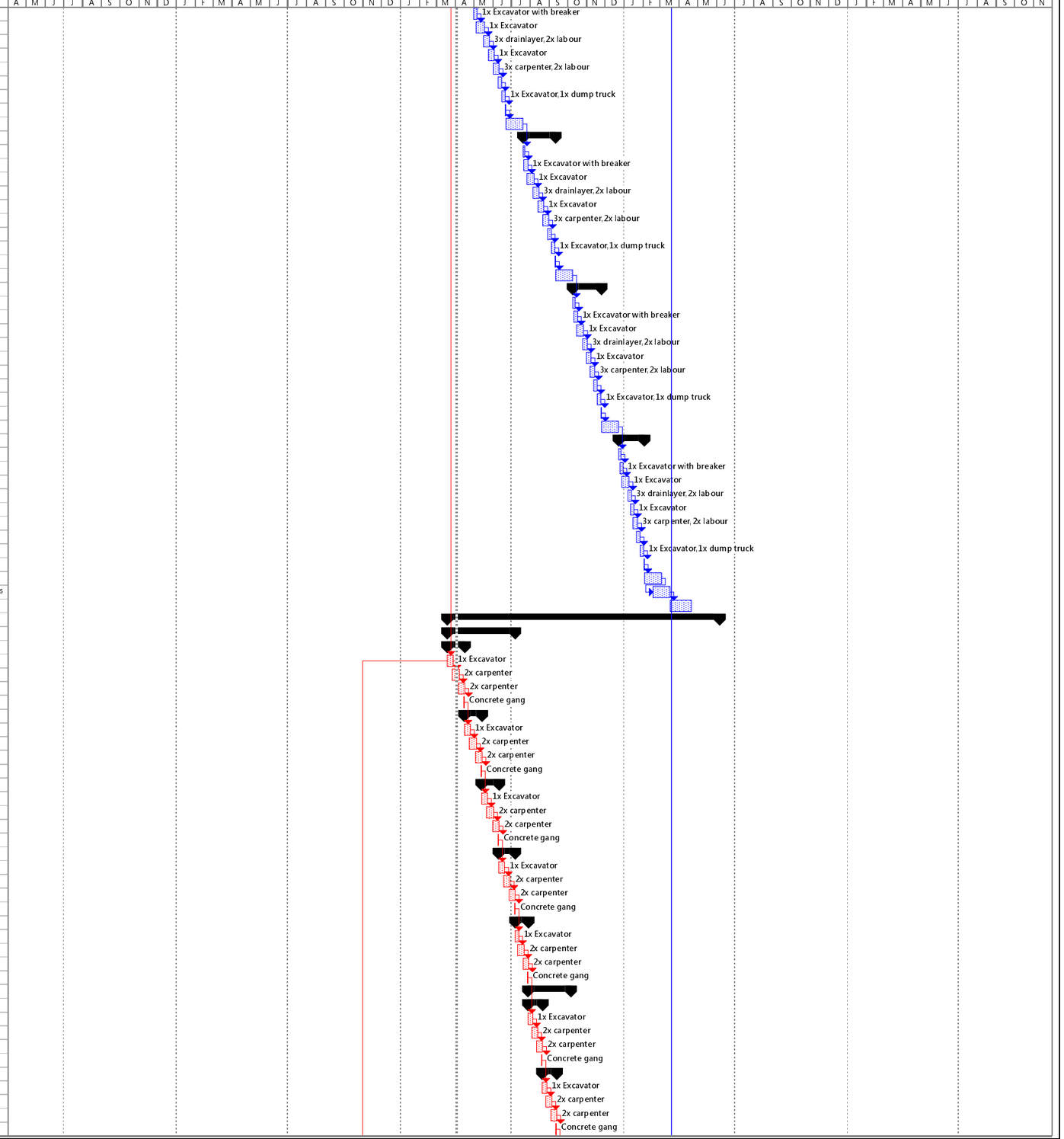


Revision.: 18.0 Date: 28 February 2025

´Task | 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}~{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}

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
201	Breaking pavement	NA	ɴ As Possible	6 days	Thu 25/5/1	Tue 25/5/6	45 days	200FS-2 days
202	Excavation and Lateral Support	NA	ɴ As Possible	14 days	Mon 25/5/5	Sun 25/5/18	45 days	201FS-2 days
203	Manhole bedding construction	NA	ɴ As Possible	10 days	Sat 25/5/17	Mon 25/5/26	45 days	202FS-2 days
204	Drain Laying	NA	ɴ As Possible	10 days	Sun 25/5/25	Tue 25/6/3	45 days	203FS-2 days
205	Manhole construction	NA	ɴ As Possible	10 days	Mon 25/6/2	Wed 25/6/11	45 days	204FS-2 days
206	Backfilling and Compaction	NA	ɴ As Possible	6 days	Tue 25/6/10	Sun 25/6/15	45 days	205FS-2 days
207	Reinstatement	NA	ɴ As Possible	6 days	Mon 25/6/16	Sat 25/6/21	45 days	206
208	TTA removal	NA	ɴ As Possible	1 day	Sun 25/6/22	Sun 25/6/22	45 days	207
209	Connection of ex. UC to SHT.A1A	Fri 26/6/5	o Later Than	28 days	Mon 25/6/23	Sun 25/7/20	45 days	208
210	**SHT.CP1~ SHT.A1A, 550PC,B,L=4.16,D=2.06**	**NA**	**ɴ As Possible**	**53 days**	**Mon 25/7/21**	**Thu 25/9/11**	**45 days**	
211	TTA implementation	NA	ɴ As Possible	3 days	Mon 25/7/21	Wed 25/7/23	45 days	209
212	Breaking pavement	NA	ɴ As Possible	7 days	Tue 25/7/22	Mon 25/7/28	45 days	211FS-2 days
213	Excavation and Lateral Support	NA	ɴ As Possible	12 days	Sun 25/7/27	Thu 25/8/7	45 days	212FS-2 days
214	Manhole bedding construction	NA	ɴ As Possible	10 days	Wed 25/8/6	Fri 25/8/15	45 days	213FS-2 days
215	Drain Laying	NA	ɴ As Possible	10 days	Thu 25/8/14	Sat 25/8/23	45 days	214FS-2 days
216	Manhole construction	NA	ɴ As Possible	10 days	Fri 25/8/22	Sun 25/8/31	45 days	215FS-2 days
217	Backfilling and Compaction	NA	ɴ As Possible	6 days	Sat 25/8/30	Thu 25/9/4	45 days	216FS-2 days
218	Reinstatement	NA	ɴ As Possible	6 days	Fri 25/9/5	Wed 25/9/10	45 days	217
219	TTA removal	NA	ɴ As Possible	1 day	Thu 25/9/11	Thu 25/9/11	45 days	218
220	Connection of ex. 550pipe to SHT.CP1	Fri 26/6/5	o Later Than	28 days	Fri 25/9/12	Thu 25/10/9	45 days	219
221	**SHT.A1A~ SHT.A01,1200PC,B,L=7.675,D=2.14**	**NA**	**ɴ As Possible**	**47 days**	**Fri 25/10/10**	**Tue 25/11/25**	**45 days**	
222	TTA implementation	NA	ɴ As Possible	4 days	Fri 25/10/10	Mon 25/10/13	45 days	220
223	Breaking pavement	NA	ɴ As Possible	6 days	Sun 25/10/12	Fri 25/10/17	45 days	222FS-2 days
224	Excavation and Lateral Support	NA	ɴ As Possible	12 days	Thu 25/10/16	Mon 25/10/27	45 days	223FS-2 days
225	Manhole bedding construction	NA	ɴ As Possible	8 days	Sun 25/10/26	Sun 25/11/2	45 days	224FS-2 days
226	Drain Laying	NA	ɴ As Possible	8 days	Sat 25/11/1	Sat 25/11/8	45 days	225FS-2 days
227	Manhole construction	NA	ɴ As Possible	8 days	Fri 25/11/7	Fri 25/11/14	45 days	226FS-2 days
228	Backfilling and Compaction	NA	ɴ As Possible	6 days	Thu 25/11/13	Tue 25/11/18	45 days	227FS-2 days
229	Reinstatement	NA	ɴ As Possible	6 days	Wed 25/11/19	Mon 25/11/24	45 days	228
230	TTA removal	NA	ɴ As Possible	1 day	Tue 25/11/25	Tue 25/11/25	45 days	229
231	Connection of ex. Pipe to SHT.A01	Fri 26/6/5	o Later Than	28 days	Wed 25/11/26	Tue 25/12/23	45 days	230
232	**SHT.A01~ SHT.A02,1500PC,B,L=8.39,D=3.6**	**NA**	**ɴ As Possible**	**42 days**	**Wed 25/12/24**	**Tue 26/2/3**	**45 days**	
233	TTA implementation	NA	ɴ As Possible	4 days	Wed 25/12/24	Sat 25/12/27	45 days	231
234	Breaking pavement	NA	ɴ As Possible	5 days	Fri 25/12/26	Tue 25/12/30	45 days	233FS-2 days
235	Excavation and Lateral Support	NA	ɴ As Possible	12 days	Mon 25/12/29	Fri 26/1/9	45 days	234FS-2 days
236	Drain Laying	NA	ɴ As Possible	6 days	Thu 26/1/8	Tue 26/1/13	45 days	235FS-2 days
237	Bedding and Backfilling	NA	ɴ As Possible	6 days	Mon 26/1/12	Sat 26/1/17	45 days	236FS-2 days
238	Manhole construction	NA	ɴ As Possible	8 days	Fri 26/1/16	Fri 26/1/23	45 days	237FS-2 days
239	Backfilling and Compaction	NA	ɴ As Possible	6 days	Thu 26/1/22	Tue 26/1/27	45 days	238FS-2 days
240	Reinstatement	NA	ɴ As Possible	6 days	Wed 26/1/28	Mon 26/2/2	45 days	239
241	TTA removal	NA	ɴ As Possible	1 day	Tue 26/2/3	Tue 26/2/3	45 days	240
242	Temporary decking over ex. UC	NA	ɴ As Possible	28 days	Wed 26/2/4	Tue 26/3/3	45 days	241
243	CCTV inspection	NA	ɴ As Possible	28 days	Wed 26/2/18	Tue 26/3/17	45 days	242FS-14 days
244	Reinstatement	Fri 26/6/5	o Later Than	35 days	Wed 26/3/18	Tue 26/4/21	45 days	243
245	**U-Channel Works (West)**	**NA**	**ɴ As Possible**	**445 days**	**Wed 25/3/19**	**Sat 26/6/6**	**0 days**	
246	**End~ ex. UC,450CU(G),L=70**	**NA**	**ɴ As Possible**	**111 days**	**Wed 25/3/19**	**Mon 25/7/7**	**0 days**	
247	**Stage 1**	**NA**	**ɴ As Possible**	**29 days**	**Wed 25/3/19**	**Wed 25/4/16**	**0 days**	
248	Excavation and Lateral Support [A]	NA	ɴ As Possible	10 days	Wed 25/3/19	Fri 25/3/28	0 days	198
249	Formwork Erection [A]	NA	ɴ As Possible	12 days	Thu 25/3/27	Mon 25/4/7	0 days	248FS-2 days
250	Catchpit construcion [A]	NA	ɴ As Possible	11 days	Sun 25/4/6	Wed 25/4/16	0 days	249FS-2 days
251	Concreting [A]	NA	ɴ As Possible	1 day	Tue 25/4/15	Tue 25/4/15	0 days	250FS-2 days
252	**Stage 2**	**NA**	**ɴ As Possible**	**29 days**	**Wed 25/4/16**	**Wed 25/5/14**	**0 days**	
253	Excavation and Lateral Support [A]	NA	ɴ As Possible	10 days	Wed 25/4/16	Fri 25/4/25	0 days	251
254	Formwork Erection [A]	NA	ɴ As Possible	12 days	Thu 25/4/24	Mon 25/5/5	0 days	253FS-2 days
255	Catchpit construcion [A]	NA	ɴ As Possible	11 days	Sun 25/5/4	Wed 25/5/14	0 days	254FS-2 days
256	Concreting [A]	NA	ɴ As Possible	1 day	Tue 25/5/13	Tue 25/5/13	0 days	255FS-2 days
257	**Stage 3**	**NA**	**ɴ As Possible**	**29 days**	**Wed 25/5/14**	**Wed 25/6/11**	**0 days**	
258	Excavation and Lateral Support [A]	NA	ɴ As Possible	10 days	Wed 25/5/14	Fri 25/5/23	0 days	256
259	Formwork Erection [A]	NA	ɴ As Possible	12 days	Thu 25/5/22	Mon 25/6/2	0 days	258FS-2 days
260	Catchpit construcion	NA	ɴ As Possible	11 days	Sun 25/6/1	Wed 25/6/11	0 days	259FS-2 days
261	Concreting	NA	ɴ As Possible	1 day	Tue 25/6/10	Tue 25/6/10	0 days	260FS-2 days
262	**Stage 4**	**NA**	**ɴ As Possible**	**27 days**	**Wed 25/6/11**	**Mon 25/7/7**	**0 days**	
263	Excavation and Lateral Support	NA	ɴ As Possible	10 days	Wed 25/6/11	Fri 25/6/20	0 days	261
264	Formwork Erection [A]	NA	ɴ As Possible	11 days	Thu 25/6/19	Sun 25/6/29	0 days	263FS-2 days
265	Catchpit construcion	NA	ɴ As Possible	10 days	Sat 25/6/28	Mon 25/7/7	0 days	264FS-2 days
266	Concreting	Fri 26/6/5	o Later Than	1 day	Mon 25/7/7	Mon 25/7/7	0 days	265FS-1 day
267	**SHT.CP2.5~ SHT.CP2.300->900CU(G),L=11.4**	**NA**	**ɴ As Possible**	**22 days**	**Tue 25/7/8**	**Tue 25/7/29**	**0 days**	
268	Excavation and Lateral Support [A]	NA	ɴ As Possible	6 days	Tue 25/7/8	Sun 25/7/13	0 days	266
269	Formwork Erection [A]	NA	ɴ As Possible	11 days	Sat 25/7/12	Tue 25/7/22	0 days	268FS-2 days
270	Catchpit construcion [A]	NA	ɴ As Possible	9 days	Mon 25/7/21	Tue 25/7/29	0 days	269FS-2 days
271	Concreting [A]	NA	ɴ As Possible	1 day	Mon 25/7/28	Mon 25/7/28	0 days	270FS-2 days
272	**SHT.CP3~ SHT.CP2.5, 300->900CU(G),L=66.5**	**NA**	**ɴ As Possible**	**70 days**	**Tue 25/7/29**	**Mon 25/10/6**	**0 days**	
273	**Stage 1**	**NA**	**ɴ As Possible**	**24 days**	**Tue 25/7/29**	**Thu 25/8/21**	**0 days**	
274	Excavation and Lateral Support	NA	ɴ As Possible	8 days	Tue 25/7/29	Tue 25/8/5	0 days	271
275	Formwork Erection	NA	ɴ As Possible	10 days	Mon 25/8/4	Wed 25/8/13	0 days	274FS-2 days
276	Catchpit construcion	NA	ɴ As Possible	10 days	Tue 25/8/12	Thu 25/8/21	0 days	275FS-2 days
277	Concreting	NA	ɴ As Possible	1 day	Wed 25/8/20	Wed 25/8/20	0 days	276FS-2 days
278	**Stage 2**	**NA**	**ɴ As Possible**	**24 days**	**Thu 25/8/21**	**Sat 25/9/13**	**0 days**	
279	Excavation and Lateral Support	NA	ɴ As Possible	8 days	Thu 25/8/21	Thu 25/8/28	0 days	277
280	Formwork Erection	NA	ɴ As Possible	10 days	Wed 25/8/27	Fri 25/9/5	0 days	279FS-2 days
281	Catchpit construcion	NA	ɴ As Possible	10 days	Thu 25/9/4	Sat 25/9/13	0 days	280FS-2 days
282	Concreting	NA	ɴ As Possible	1 day	Fri 25/9/12	Fri 25/9/12	0 days	281FS-2 days



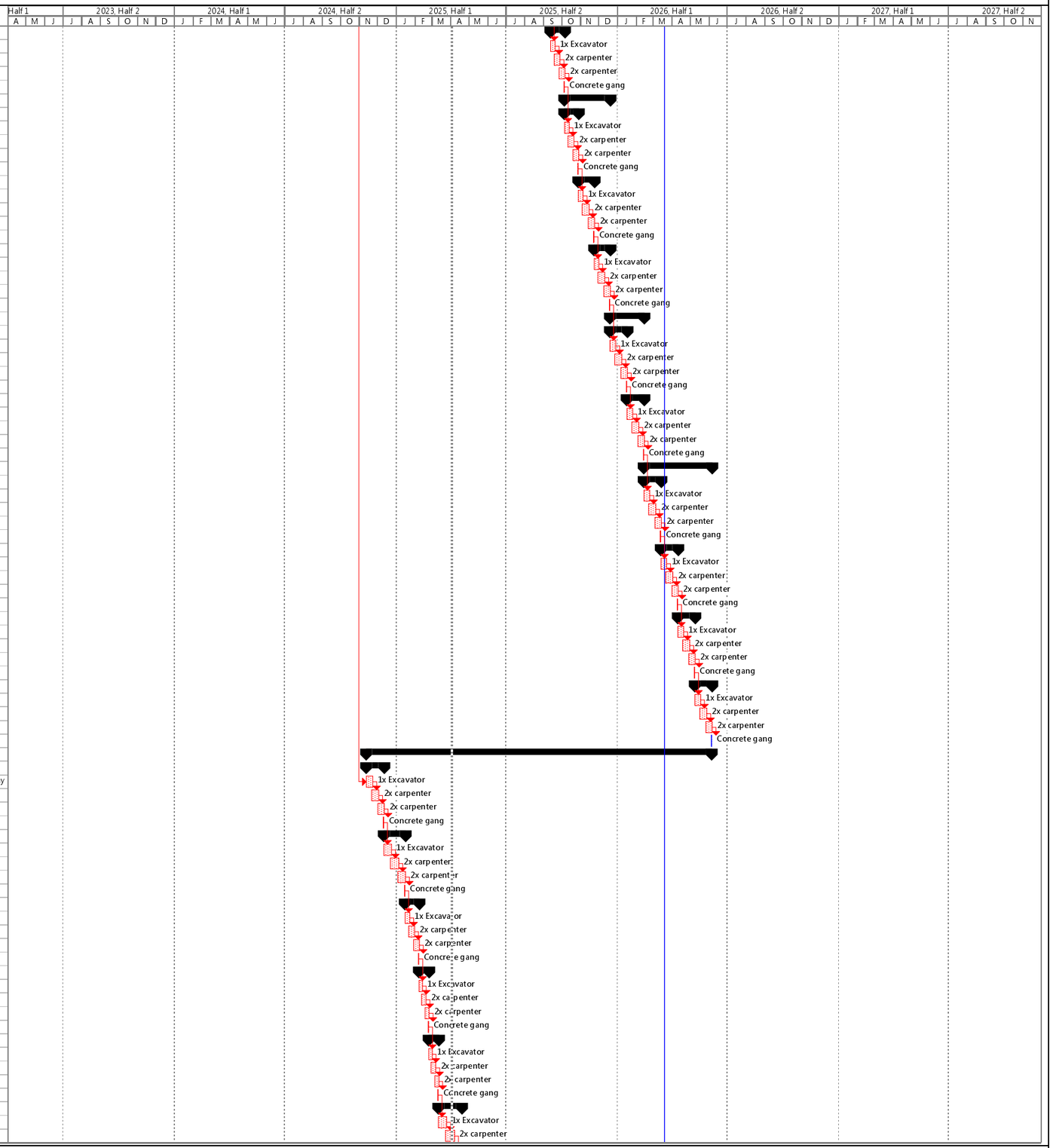
Revision.: 18.0 Date: 28 February 2025

´Task, Critical Task, Progress, Milestone, Summary, Rolled Up Task, Rolled Up Critical Task, Rolled Up Milestone, Rolled Up Progress, Split, External Tasks, Project Summary, Group By Summary, Deadline

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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
283	**Stage 3**	**NA**	**As Possible**	**24 days**	**Sat 25/9/13**	**Mon 25/10/6**	**0 days**	
284	Excavation and Lateral Support	NA	As Possible	8 days	Sat 25/9/13	Sat 25/9/20	0 days	282
285	Formwork Erection	NA	As Possible	10 days	Fri 25/9/19	Sun 25/9/28	0 days	284FS-2 days
286	Catchpit construcion	NA	As Possible	10 days	Sat 25/9/27	Mon 25/10/6	0 days	285FS-2 days
287	Concreting	NA	As Possible	1 day	Sun 25/10/5	Sun 25/10/5	0 days	286FS-2 days
288	**SHT.CP3.3~SHT.CP3,300->450CU(G),L=54.5**	**NA**	**As Possible**	**76 days**	**Mon 25/10/6**	**Sat 25/12/20**	**0 days**	
289	**Stage 1**	**NA**	**As Possible**	**24 days**	**Mon 25/10/6**	**Wed 25/10/29**	**0 days**	
290	Excavation and Lateral Support	NA	As Possible	8 days	Mon 25/10/6	Mon 25/10/13	0 days	287
291	Formwork Erection	NA	As Possible	10 days	Sun 25/10/12	Tue 25/10/21	0 days	290FS-2 days
292	Catchpit construcion	NA	As Possible	10 days	Mon 25/10/20	Wed 25/10/29	0 days	291FS-2 days
293	Concreting	NA	As Possible	1 day	Tue 25/10/28	Tue 25/10/28	0 days	292FS-2 days
294	**Stage 2**	**NA**	**As Possible**	**27 days**	**Wed 25/10/29**	**Mon 25/11/24**	**0 days**	
295	Excavation and Lateral Support	NA	As Possible	8 days	Wed 25/10/29	Wed 25/11/5	0 days	293
296	Formwork Erection	NA	As Possible	12 days	Tue 25/11/4	Sat 25/11/15	0 days	295FS-2 days
297	Catchpit construcion	NA	As Possible	11 days	Fri 25/11/14	Mon 25/11/24	0 days	296FS-2 days
298	Concreting	NA	As Possible	1 day	Sun 25/11/23	Sun 25/11/23	0 days	297FS-2 days
299	**Stage 3**	**NA**	**As Possible**	**27 days**	**Mon 25/11/24**	**Sat 25/12/20**	**0 days**	
300	Excavation and Lateral Support	NA	As Possible	8 days	Mon 25/11/24	Mon 25/12/1	0 days	298
301	Formwork Erection	NA	As Possible	12 days	Sun 25/11/30	Thu 25/12/11	0 days	300FS-2 days
302	Catchpit construcion	NA	As Possible	11 days	Wed 25/12/10	Sat 25/12/20	0 days	301FS-2 days
303	Concreting	NA	As Possible	1 day	Fri 25/12/19	Fri 25/12/19	0 days	302FS-2 days
304	**SHT.CP3.5~SHT.CP3.3,300->450CU(G),L=43.3**	**NA**	**As Possible**	**57 days**	**Sat 25/12/20**	**Sat 26/2/14**	**0 days**	
305	**Stage 1**	**NA**	**As Possible**	**29 days**	**Sat 25/12/20**	**Sat 26/1/17**	**0 days**	
306	Excavation and Lateral Support	NA	As Possible	10 days	Sat 25/12/20	Mon 25/12/29	0 days	303
307	Formwork Erection	NA	As Possible	12 days	Sun 25/12/28	Thu 26/1/8	0 days	306FS-2 days
308	Catchpit construcion	NA	As Possible	11 days	Wed 26/1/7	Sat 26/1/17	0 days	307FS-2 days
309	Concreting	NA	As Possible	1 day	Fri 26/1/16	Fri 26/1/16	0 days	308FS-2 days
310	**Stage 2**	**NA**	**As Possible**	**29 days**	**Sat 26/1/17**	**Sat 26/2/14**	**0 days**	
311	Excavation and Lateral Support	NA	As Possible	10 days	Sat 26/1/17	Mon 26/1/26	0 days	309
312	Formwork Erection	NA	As Possible	12 days	Sun 26/1/25	Thu 26/2/5	0 days	311FS-2 days
313	Catchpit construcion	NA	As Possible	11 days	Wed 26/2/4	Sat 26/2/14	0 days	312FS-2 days
314	Concreting	NA	As Possible	1 day	Fri 26/2/13	Fri 26/2/13	0 days	313FS-2 days
315	**End~SHT.CP3.5,300->450CU(G),L=107.7**	**NA**	**As Possible**	**113 days**	**Sat 26/2/14**	**Sat 26/6/6**	**0 days**	
316	**Stage 1**	**NA**	**As Possible**	**29 days**	**Sat 26/2/14**	**Sat 26/3/14**	**0 days**	
317	Excavation and Lateral Support	NA	As Possible	10 days	Sat 26/2/14	Mon 26/2/23	0 days	314
318	Formwork Erection	NA	As Possible	12 days	Sun 26/2/22	Thu 26/3/5	0 days	317FS-2 days
319	Catchpit construcion	NA	As Possible	11 days	Wed 26/3/4	Sat 26/3/14	0 days	318FS-2 days
320	Concreting	NA	As Possible	1 day	Fri 26/3/13	Fri 26/3/13	0 days	319FS-2 days
321	**Stage 2**	**NA**	**As Possible**	**29 days**	**Sat 26/3/14**	**Sat 26/4/11**	**0 days**	
322	Excavation and Lateral Support	NA	As Possible	10 days	Sat 26/3/14	Mon 26/3/23	0 days	320
323	Formwork Erection	NA	As Possible	12 days	Sun 26/3/22	Thu 26/4/2	0 days	322FS-2 days
324	Catchpit construcion	NA	As Possible	11 days	Wed 26/4/1	Sat 26/4/11	0 days	323FS-2 days
325	Concreting	NA	As Possible	1 day	Fri 26/4/10	Fri 26/4/10	0 days	324FS-2 days
326	**Stage 3**	**NA**	**As Possible**	**29 days**	**Sat 26/4/11**	**Sat 26/5/9**	**0 days**	
327	Excavation and Lateral Support	NA	As Possible	10 days	Sat 26/4/11	Mon 26/4/20	0 days	325
328	Formwork Erection	NA	As Possible	12 days	Sun 26/4/19	Thu 26/4/30	0 days	327FS-2 days
329	Catchpit construcion	NA	As Possible	11 days	Wed 26/4/29	Sat 26/5/9	0 days	328FS-2 days
330	Concreting	NA	As Possible	1 day	Fri 26/5/8	Fri 26/5/8	0 days	329FS-2 days
331	**Stage 4**	**NA**	**As Possible**	**29 days**	**Sat 26/5/9**	**Sat 26/6/6**	**0 days**	
332	Excavation and Lateral Support	NA	As Possible	10 days	Sat 26/5/9	Mon 26/5/18	0 days	330
333	Formwork Erection	NA	As Possible	12 days	Sun 26/5/17	Thu 26/5/28	0 days	332FS-2 days
334	Catchpit construcion	NA	As Possible	11 days	Wed 26/5/27	Sat 26/6/6	0 days	333FS-2 days
335	Concreting	NA	As Possible	1 day	Fri 26/6/5	Fri 26/6/5	299 days	334FS-2 days
336	**U-Channel Works (East)**	**NA**	**As Possible**	**570 days**	**Wed 24/11/13**	**Fri 26/6/5**	**0 days**	
337	**SHT.CP11~SHT.CP10E,750CU(HD-G),L=19.8**	**NA**	**As Possible**	**30 days**	**Wed 24/11/13**	**Thu 24/12/12**	**0 days**	
338	Excavation and Lateral Support	NA	As Possible	11 days	Wed 24/11/13	Sat 24/11/23	0 days	248SS-126 day
339	Formwork Erection	NA	As Possible	12 days	Fri 24/11/22	Tue 24/12/3	0 days	338FS-2 days
340	Catchpit construcion	NA	As Possible	11 days	Mon 24/12/2	Thu 24/12/12	0 days	339FS-2 days
341	Concreting	NA	As Possible	1 day	Wed 24/12/11	Wed 24/12/11	0 days	340FS-2 days
342	**SHT.CP10E~SHT.CP10D,750CU(HD-G),L=23.7**	**NA**	**As Possible**	**36 days**	**Thu 24/12/12**	**Thu 25/1/16**	**0 days**	
343	Excavation and Lateral Support	NA	As Possible	13 days	Thu 24/12/12	Tue 24/12/24	0 days	341
344	Formwork Erection	NA	As Possible	14 days	Mon 24/12/23	Sun 25/1/5	0 days	343FS-2 days
345	Catchpit construcion	NA	As Possible	13 days	Sat 25/1/4	Thu 25/1/16	0 days	344FS-2 days
346	Concreting	NA	As Possible	1 day	Wed 25/1/15	Wed 25/1/15	0 days	345FS-2 days
347	**SHT.CP10D~SHT.CP10C,750CU(HD-G),L=11.9**	**NA**	**As Possible**	**24 days**	**Thu 25/1/16**	**Sat 25/2/8**	**0 days**	
348	Excavation and Lateral Support	NA	As Possible	8 days	Thu 25/1/16	Thu 25/1/23	0 days	346
349	Formwork Erection	NA	As Possible	10 days	Wed 25/1/22	Fri 25/1/31	0 days	348FS-2 days
350	Catchpit construcion	NA	As Possible	10 days	Thu 25/1/30	Sat 25/2/8	0 days	349FS-2 days
351	Concreting	NA	As Possible	1 day	Fri 25/2/7	Fri 25/2/7	0 days	350FS-2 days
352	**SHT.CP10C~SHT.CP10B,750CU(HD-G),L=6.5**	**NA**	**As Possible**	**17 days**	**Sat 25/2/8**	**Mon 25/2/24**	**0 days**	
353	Excavation and Lateral Support	NA	As Possible	6 days	Sat 25/2/8	Thu 25/2/13	0 days	351
354	Formwork Erection	NA	As Possible	8 days	Wed 25/2/12	Wed 25/2/19	0 days	353FS-2 days
355	Catchpit construcion	NA	As Possible	7 days	Tue 25/2/18	Mon 25/2/24	0 days	354FS-2 days
356	Concreting	NA	As Possible	1 day	Sun 25/2/23	Sun 25/2/23	0 days	355FS-2 days
357	**SHT.CP10B~SHT.CP10A,750CU(HD-G),L=6.4**	**NA**	**As Possible**	**17 days**	**Mon 25/2/24**	**Wed 25/3/12**	**0 days**	
358	Excavation and Lateral Support	NA	As Possible	6 days	Mon 25/2/24	Sat 25/3/1	0 days	356
359	Formwork Erection	NA	As Possible	8 days	Fri 25/2/28	Fri 25/3/7	0 days	358FS-2 days
360	Catchpit construcion	NA	As Possible	7 days	Thu 25/3/6	Wed 25/3/12	0 days	359FS-2 days
361	Concreting	NA	As Possible	1 day	Tue 25/3/11	Tue 25/3/11	0 days	360FS-2 days
362	**SHT.CP10A~SHT.CP10,750CU(HD-G),L=26.7**	**NA**	**As Possible**	**39 days**	**Wed 25/3/12**	**Sat 25/4/19**	**0 days**	
363	Excavation and Lateral Support	NA	As Possible	14 days	Wed 25/3/12	Tue 25/3/25	0 days	361
364	Formwork Erection	NA	As Possible	15 days	Mon 25/3/24	Mon 25/4/7	0 days	363FS-2 days



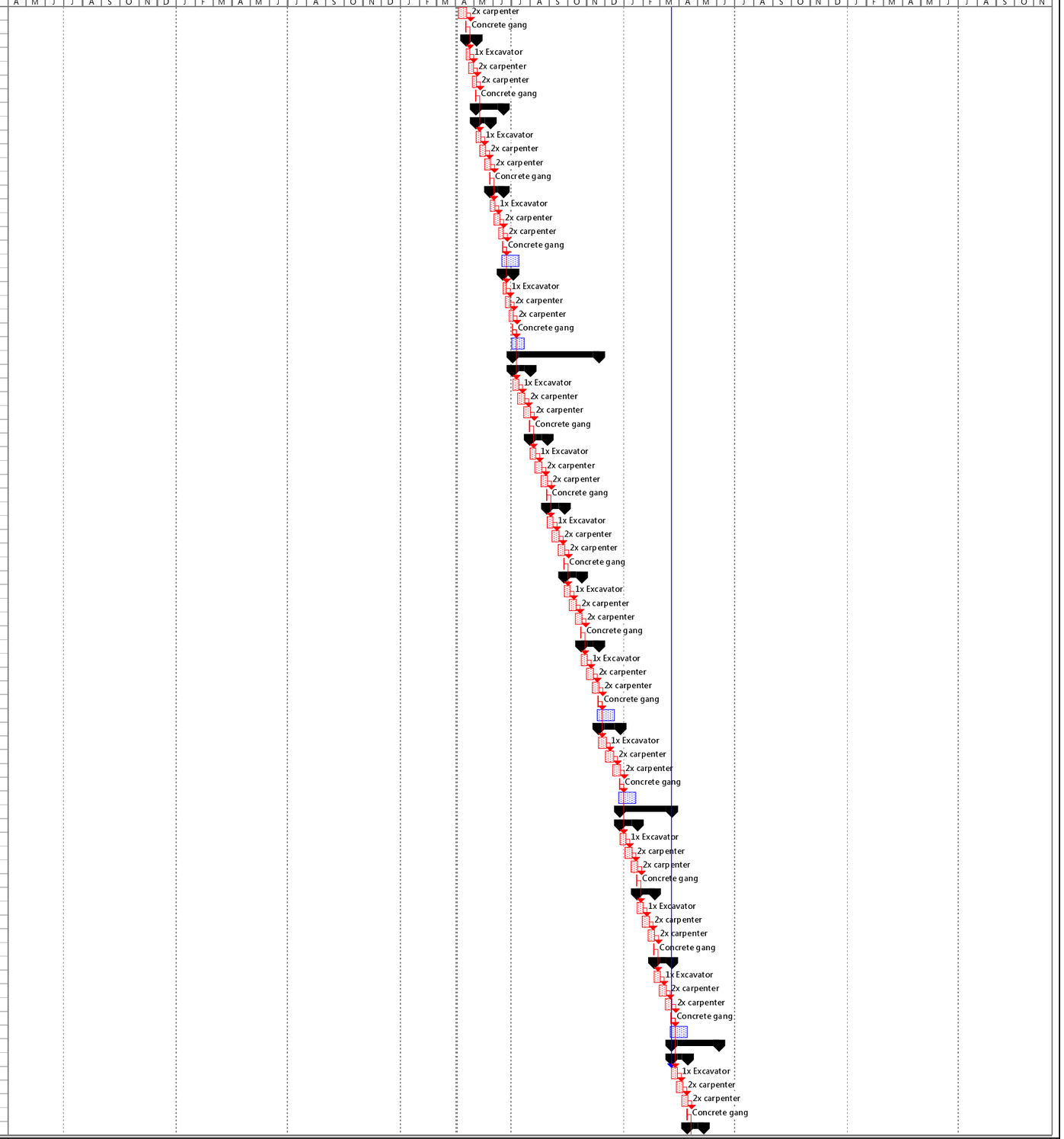
Revision.: 18.0 Date: 28 February 2025

Task | 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
365	Catchpit construcion	NA	As Possible	14 days	Sun 25/4/6	Sat 25/4/19	0 days	364FS-2 days
366	Concreting	NA	As Possible	1 day	Fri 25/4/18	Fri 25/4/18	0 days	365FS-2 days
367	**SHT.CP10~SHT.CP9,750CU(HD-G),L=4.3**	**NA**	**As Possible**	**17 days**	**Sat 25/4/19**	**Mon 25/5/5**	**0 days**	
368	Excavation and Lateral Support	NA	As Possible	6 days	Sat 25/4/19	Thu 25/4/24	0 days	366
369	Formwork Erection	NA	As Possible	8 days	Wed 25/4/23	Wed 25/4/30	0 days	368FS-2 days
370	Catchpit construcion	NA	As Possible	7 days	Tue 25/4/29	Mon 25/5/5	0 days	369FS-2 days
371	Concreting	NA	As Possible	1 day	Sun 25/5/4	Sun 25/5/4	0 days	370FS-2 days
372	**SHT.CP9~SHT.CP8,600CU(HD-G),L=33.7**	**NA**	**As Possible**	**45 days**	**Mon 25/5/5**	**Wed 25/6/18**	**0 days**	
373	**Stage 1**	**NA**	**As Possible**	**24 days**	**Mon 25/5/5**	**Wed 25/5/28**	**0 days**	
374	Excavation and Lateral Support	NA	As Possible	8 days	Mon 25/5/5	Mon 25/5/12	0 days	371
375	Formwork Erection	NA	As Possible	10 days	Sun 25/5/11	Tue 25/5/20	0 days	374FS-2 days
376	Catchpit construcion	NA	As Possible	10 days	Mon 25/5/19	Wed 25/5/28	0 days	375FS-2 days
377	Concreting	NA	As Possible	1 day	Tue 25/5/27	Tue 25/5/27	0 days	376FS-2 days
378	**Stage 2**	**NA**	**As Possible**	**22 days**	**Wed 25/5/28**	**Wed 25/6/18**	**0 days**	
379	Excavation and Lateral Support	NA	As Possible	8 days	Wed 25/5/28	Wed 25/6/4	0 days	377
380	Formwork Erection	NA	As Possible	10 days	Tue 25/6/3	Thu 25/6/12	0 days	379FS-2 days
381	Catchpit construcion	NA	As Possible	8 days	Wed 25/6/11	Wed 25/6/18	0 days	380FS-2 days
382	Concreting	NA	As Possible	1 day	Tue 25/6/17	Tue 25/6/17	0 days	381FS-2 days
383	Connection of ex. 300CU to SHT.CP8	Fri 26/6/5	Later Than	28 days	Mon 25/6/16	Sun 25/7/13	327 days	382FS-2 days
384	**SHT.CP8~SHT.CP7,600CU(HD-G),L=8.5**	**NA**	**As Possible**	**17 days**	**Wed 25/6/18**	**Fri 25/7/4**	**0 days**	
385	Excavation and Lateral Support	NA	As Possible	6 days	Wed 25/6/18	Mon 25/6/23	0 days	382
386	Formwork Erection	NA	As Possible	8 days	Sun 25/6/22	Sun 25/6/29	0 days	385FS-2 days
387	Catchpit construcion	NA	As Possible	7 days	Sat 25/6/28	Fri 25/7/4	0 days	386FS-2 days
388	Concreting	NA	As Possible	1 day	Thu 25/7/3	Thu 25/7/3	0 days	387FS-2 days
389	Reconstruction of U/S end wall	Fri 26/6/5	Later Than	21 days	Wed 25/7/2	Tue 25/7/22	318 days	388FS-2 days
390	**SHT.CP7~SHT.CP6,600CU(HD-G),L=130.8**	**NA**	**As Possible**	**141 days**	**Fri 25/7/4**	**Fri 25/11/21**	**0 days**	
391	**Stage 1**	**NA**	**As Possible**	**29 days**	**Fri 25/7/4**	**Fri 25/8/1**	**0 days**	
392	Excavation and Lateral Support	NA	As Possible	10 days	Fri 25/7/4	Sun 25/7/13	0 days	388
393	Formwork Erection	NA	As Possible	12 days	Sat 25/7/12	Wed 25/7/23	0 days	392FS-2 days
394	Catchpit construcion	NA	As Possible	11 days	Tue 25/7/22	Fri 25/8/1	0 days	393FS-2 days
395	Concreting	NA	As Possible	1 day	Thu 25/7/31	Thu 25/7/31	0 days	394FS-2 days
396	**Stage 2**	**NA**	**As Possible**	**29 days**	**Fri 25/8/1**	**Fri 25/8/29**	**0 days**	
397	Excavation and Lateral Support	NA	As Possible	10 days	Fri 25/8/1	Sun 25/8/10	0 days	395
398	Formwork Erection	NA	As Possible	12 days	Sat 25/8/9	Wed 25/8/20	0 days	397FS-2 days
399	Catchpit construcion	NA	As Possible	11 days	Tue 25/8/19	Fri 25/8/29	0 days	398FS-2 days
400	Concreting	NA	As Possible	1 day	Thu 25/8/28	Thu 25/8/28	0 days	399FS-2 days
401	**Stage 3**	**NA**	**As Possible**	**29 days**	**Fri 25/8/29**	**Fri 25/9/26**	**0 days**	
402	Excavation and Lateral Support	NA	As Possible	10 days	Fri 25/8/29	Sun 25/9/7	0 days	400
403	Formwork Erection	NA	As Possible	12 days	Sat 25/9/6	Wed 25/9/17	0 days	402FS-2 days
404	Catchpit construcion	NA	As Possible	11 days	Tue 25/9/16	Fri 25/9/26	0 days	403FS-2 days
405	Concreting	NA	As Possible	1 day	Thu 25/9/25	Thu 25/9/25	0 days	404FS-2 days
406	**Stage 4**	**NA**	**As Possible**	**29 days**	**Fri 25/9/26**	**Fri 25/10/24**	**0 days**	
407	Excavation and Lateral Support	NA	As Possible	10 days	Fri 25/9/26	Sun 25/10/5	0 days	405
408	Formwork Erection	NA	As Possible	12 days	Sat 25/10/4	Wed 25/10/15	0 days	407FS-2 days
409	Catchpit construcion	NA	As Possible	11 days	Tue 25/10/14	Fri 25/10/24	0 days	408FS-2 days
410	Concreting	NA	As Possible	1 day	Thu 25/10/23	Thu 25/10/23	0 days	409FS-2 days
411	**Stage 5**	**NA**	**As Possible**	**29 days**	**Fri 25/10/24**	**Fri 25/11/21**	**0 days**	
412	Excavation and Lateral Support	NA	As Possible	10 days	Fri 25/10/24	Sun 25/11/2	0 days	410
413	Formwork Erection	NA	As Possible	12 days	Sat 25/11/1	Wed 25/11/12	0 days	412FS-2 days
414	Catchpit construcion	NA	As Possible	11 days	Tue 25/11/11	Fri 25/11/21	0 days	413FS-2 days
415	Concreting	NA	As Possible	1 day	Thu 25/11/20	Thu 25/11/20	0 days	414FS-2 days
416	Connection of ex. 400CU to SHT.CP6	Fri 26/6/5	Later Than	28 days	Wed 25/11/19	Tue 25/12/16	171 days	415FS-2 days
417	**SHT.CP6~SHT.CP5,600CU(HD-G),L=24.1**	**NA**	**As Possible**	**36 days**	**Fri 25/11/21**	**Fri 25/12/26**	**0 days**	
418	Excavation and Lateral Support	NA	As Possible	13 days	Fri 25/11/21	Wed 25/12/3	0 days	415
419	Formwork Erection	NA	As Possible	14 days	Tue 25/12/2	Mon 25/12/15	0 days	418FS-2 days
420	Catchpit construcion	NA	As Possible	13 days	Sun 25/12/14	Fri 25/12/26	0 days	419FS-2 days
421	Concreting	NA	As Possible	1 day	Thu 25/12/25	Thu 25/12/25	0 days	420FS-2 days
422	Connection of ex. 400CU to SHT.CP5	Fri 26/6/5	Later Than	28 days	Wed 25/12/24	Tue 26/1/20	136 days	421FS-2 days
423	**SHT.CP5~SHT.CP4,600CU(HD-G),L=73.9**	**NA**	**As Possible**	**85 days**	**Fri 25/12/26**	**Fri 26/3/20**	**0 days**	
424	**Stage 1**	**NA**	**As Possible**	**29 days**	**Fri 25/12/26**	**Fri 26/1/23**	**0 days**	
425	Excavation and Lateral Support	NA	As Possible	10 days	Fri 25/12/26	Sun 26/1/4	0 days	421
426	Formwork Erection	NA	As Possible	12 days	Sat 26/1/3	Wed 26/1/14	0 days	425FS-2 days
427	Catchpit construcion	NA	As Possible	11 days	Tue 26/1/13	Fri 26/1/23	0 days	426FS-2 days
428	Concreting	NA	As Possible	1 day	Thu 26/1/22	Thu 26/1/22	0 days	427FS-2 days
429	**Stage 2**	**NA**	**As Possible**	**29 days**	**Fri 26/1/23**	**Fri 26/2/20**	**0 days**	
430	Excavation and Lateral Support	NA	As Possible	10 days	Fri 26/1/23	Sun 26/2/1	0 days	428
431	Formwork Erection	NA	As Possible	12 days	Sat 26/1/31	Wed 26/2/11	0 days	430FS-2 days
432	Catchpit construcion	NA	As Possible	11 days	Tue 26/2/10	Fri 26/2/20	0 days	431FS-2 days
433	Concreting	NA	As Possible	1 day	Thu 26/2/19	Thu 26/2/19	0 days	432FS-2 days
434	**Stage 3**	**NA**	**As Possible**	**29 days**	**Fri 26/2/20**	**Fri 26/3/20**	**0 days**	
435	Excavation and Lateral Support	NA	As Possible	10 days	Fri 26/2/20	Sun 26/3/1	0 days	433
436	Formwork Erection	NA	As Possible	12 days	Sat 26/2/28	Wed 26/3/11	0 days	435FS-2 days
437	Catchpit construcion	NA	As Possible	11 days	Tue 26/3/10	Fri 26/3/20	0 days	436FS-2 days
438	Concreting	NA	As Possible	1 day	Thu 26/3/19	Thu 26/3/19	0 days	437FS-2 days
439	Connection of ex. 450CU to SHT.CP4	Fri 26/6/5	Later Than	28 days	Wed 26/3/18	Tue 26/4/14	52 days	438FS-2 days
440	**SHT.CP4~End,525CU(HD-G),L=82.3**	**NA**	**As Possible**	**78 days**	**Fri 26/3/20**	**Fri 26/6/5**	**0 days**	
441	**Stage 1**	**NA**	**As Possible**	**27 days**	**Fri 26/3/20**	**Wed 26/4/15**	**0 days**	
442	Excavation and Lateral Support	NA	As Possible	10 days	Fri 26/3/20	Sun 26/3/29	0 days	438,124,127
443	Formwork Erection	NA	As Possible	11 days	Sat 26/3/28	Tue 26/4/7	0 days	442FS-2 days
444	Catchpit construcion	NA	As Possible	10 days	Mon 26/4/6	Wed 26/4/15	0 days	443FS-2 days
445	Concreting	NA	As Possible	1 day	Tue 26/4/14	Tue 26/4/14	0 days	444FS-2 days
446	**Stage 2**	**NA**	**As Possible**	**27 days**	**Wed 26/4/15**	**Mon 26/5/11**	**0 days**	



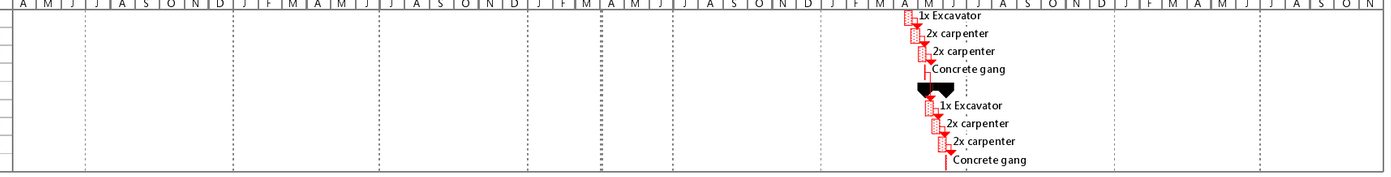
Revision.: 18.0 Date: 28 February 2025

Task | 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}~{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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Total Slack	Predecessors
447	Excavation and Lateral Support	NA	ɔ As Possible	10 days	Wed 26/4/15	Fri 26/4/24	0 days	445
448	Formwork Erection	NA	ɔ As Possible	11 days	Thu 26/4/23	Sun 26/5/3	0 days	447FS-2 days
449	Catchpit construcion	NA	ɔ As Possible	10 days	Sat 26/5/2	Mon 26/5/11	0 days	448FS-2 days
450	Concreting	NA	ɔ As Possible	1 day	Sun 26/5/10	Sun 26/5/10	0 days	449FS-2 days
451	**Stage 3**	**NA**	**ı As Possible**	**26 days**	**Mon 26/5/11**	**Fri 26/6/5**	**0 days**	
452	Excavation and Lateral Support	NA	ɔ As Possible	10 days	Mon 26/5/11	Wed 26/5/20	0 days	450
453	Formwork Erection	NA	ɔ As Possible	10 days	Tue 26/5/19	Thu 26/5/28	0 days	452FS-2 days
454	Catchpit construcion	NA	ɔ As Possible	10 days	Wed 26/5/27	Fri 26/6/5	0 days	453FS-2 days
455	Concreting	Fri 26/6/5	o Later Than	1 day	Fri 26/6/5	Fri 26/6/5	0 days	454FS-1 day



Revision.: 18.0 Date: 28 February 2025

´Task 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}~{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}

Appendix 1.2 Project Organization Chart

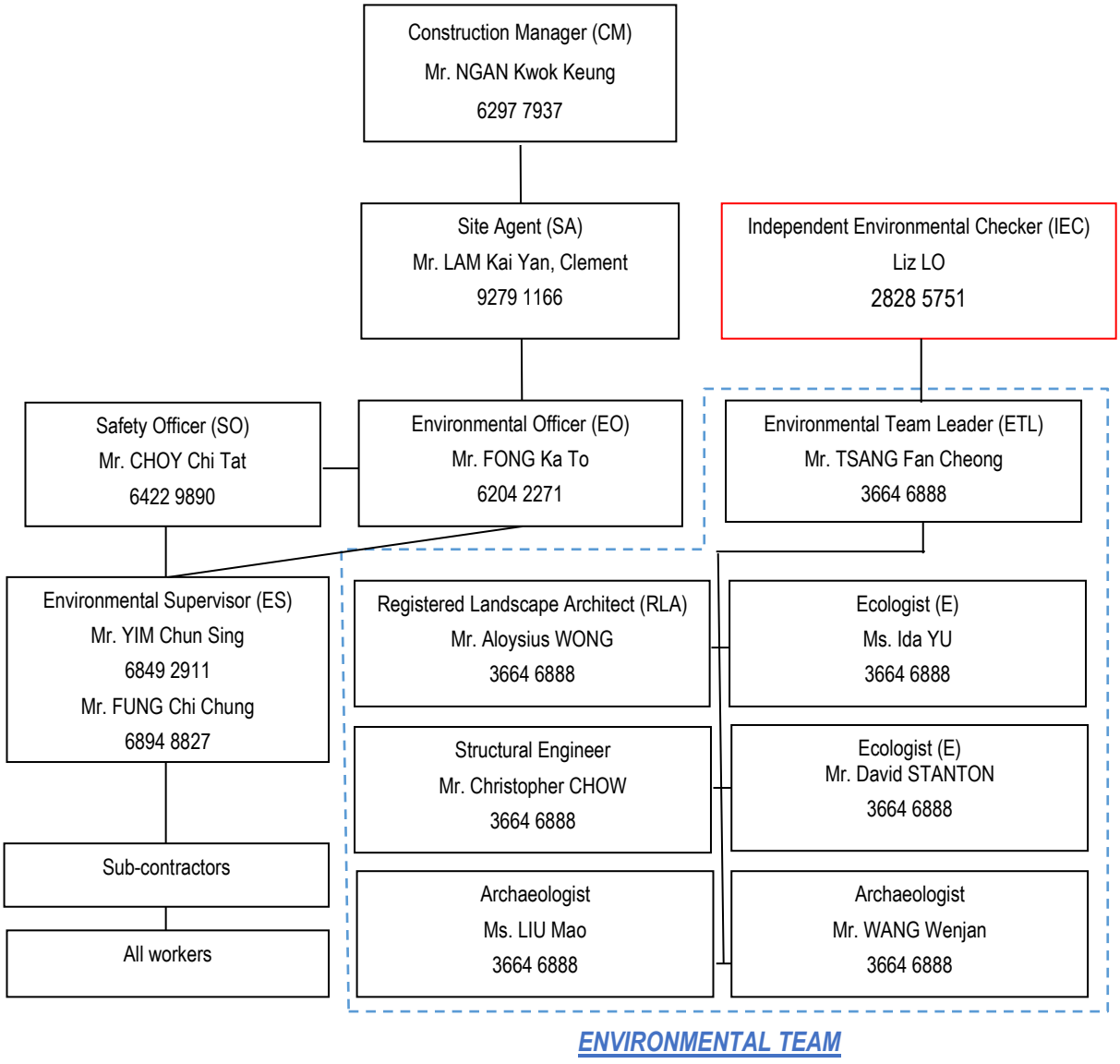
Appendix 1

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 12-06-2024)



Appendix 1.3 Implementation Status of Environmental Mitigation Measure

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	Starting date of Implementation
Construction Phase								
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	Deficiency of Mitigation Measures but rectified by the Contractor.	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	Deficiency of Mitigation Measures but rectified by the Contractor.	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	Deficiency of Mitigation Measures but rectified by the Contractor.	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024

Remarks:
1. "HC" equal to Ha Che
2. "LFT" equal to Lin Fa Tei
3. "SSNV" equal to Sung Shan New Village
4. "TW" equal to Tai Wo

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	Starting date of Implementation	Remarks
Construction 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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	The mitigation measures of utilising material stockpiles and other structures as noise barriers, is not applicable to the construction 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	Starting date of Implementation	Remarks
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;	Noise control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	EIAO-TM and NCO	Implemented	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	

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	Starting date of Implementation	Remarks
S.4.7.1	S. 4.8.1	• 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; • 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.	Noise control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	EIAO-TM and NCO	Implemented	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	

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	Starting date of Implementation	Remarks
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	

Remarks:
1. "HC" equal to Ha Che
2. "LFT" equal to Lin Fa Tei
3. "SSNV" equal to Sung Shan New Village
4. "TW" equal to Tai Wo

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	Starting date of Implementation
Construction Phase								
S.5.9.2	S.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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
S.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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
S.5.9.3	S.5.2.2	Good Site Practice • 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.	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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

S.5.9.3	S.5.2.2	• 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; • Waste and refuse should be stored or dumped in appropriate receptacles and on-site 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;	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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
S.5.9.3	S.5.2.2	• 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.	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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	TW: 16 Dec 2024

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	Starting date of Implementation
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. A formal reply letter was issued by the EPD on 4 July 2024 after the submission of hardcopy for their record.	HC (CH.A300.00 ~ CH.A653.949): 11 Sep 2024 LFT (CH.A818.86 ~CH. A500.00): 7 May 2025
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, pre-construction surveys at Ha Che and Lin Fa Tei were completed between 5 and 7 Feb 2024 and 11 and 13 Mar 2024 respectively	HC (CH.A300.00 ~ CH.A653.949): 11 Sep 2024 LFT (CH.A818.86 ~CH. A500.00): 7 May 2025
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	HC: 20 Feb 2024 LFT: 20 Mar 2024

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	Starting date of Implementation
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	SSNV: 16 Apr 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

Remarks:
1. "HC" equal to Ha Che
2. "LFT" equal to Lin Fa Tei
3. "SSNV" equal to Sung Shan New Village
4. "TW" equal to Tai Wo

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	Starting date of Implementation	Remarks
Construction 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; • Silt removal facilities, channels and manholes should be	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	Implemented	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	WPCO licenses for HC, LFT, SSNV and TW were granted on 26 Apr 2024, 24 May 2024, 10 July 2024 and 29 July 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	Starting date of Implementation	Remarks
		maintained and cleaned regularly to ensure the proper function; • Water pumped out from excavations should be discharged into silt removal facilities; • 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							

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	Starting date of Implementation	Remarks
		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; • 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.							

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	Starting date of Implementation	Remarks
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. • 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	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	Implemented	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	• WPCO licenses for HC, LFT, SSNV and TW were granted on 26 Apr 2024, 24 May 2024, 10 July 2024 and 29 July 2024 respectively. • The provision of oil interceptors in the drainage system downstream is not applicable as there is no oil/ fuel pollution spotted at the construction sites. • Fuel tanks and storage areas are not placed

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	Starting date of Implementation	Remarks
		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; • 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							

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	Starting date of Implementation	Remarks
		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; • 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							

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	Starting date of Implementation	Remarks
		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.						

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	Starting date of Implementation	Remarks
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	
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	Implemented.	HC: 26 Apr 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	
S.6.7.7 & S.6.7.8	S.6.2.3	Sewage from Workforce • 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 m^3/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	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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	

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	Starting date of Implementation	Remarks
		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.							
S.6.7.10 - S.6.7.15	S.6.2.3	Widening of Drainage Channels • 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	Water quality control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO	Implemented	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	

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	Starting date of Implementation	Remarks
		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; • To further minimize the leakage and loss of sediments during excavation, tightly sealed closed							

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	Starting date of Implementation	Remarks
		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.							
S.6.7.16	S6.2.3	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;	Water quality control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO	Implemented	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	

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	Starting date of Implementation	Remarks
		• 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.							
S.6.7.17	S6.2.3	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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	
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	Water quality control during construction	Contractor(s)	At Tai Wo Area during the entire construction period	WPCO	Implemented	TW: 16 Dec 2024	

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	Starting date of Implementation	Remarks
		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.							

Remarks:
1. "HC" equal to Ha Che
2. "LFT" equal to Lin Fa Tei
3. "SSNV" equal to Sung Shan New Village
4. "TW" equal to Tai Wo

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	Starting date of Implementation
Construction 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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
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 on-site, 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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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 fly-tipping, 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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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;	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction	ETWB TCW No. 19/2005	Implemented	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
S.7.5.1	S.7.2.5	• 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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

Remarks:
1. "HC" equal to Ha Che
2. "LFT" equal to Lin Fa Tei
3. "SSNV" equal to Sung Shan New Village
4. "TW" equal to Tai Wo

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	Starting date of Implementation
Construction 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	N/A

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	Starting date of Implementation
Construction Phase								
S9.12.1.1	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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
S9.12.1.1	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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
S9.12.1.1	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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

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	Starting date of Implementation
S9.12.1.1	S.9.2	CM08 – Topsoil reuse Excavated topsoil should be conserved for re-use 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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
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	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024

Remarks:
1. “HC” equal to Ha Che
2. “LFT” equal to Lin Fa Tei
3. “SSNV” equal to Sung Shan New Village
4. “TW” equal to Tai Wo

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	Starting date of Implementation
Construction Phase								
Table 10-3	Table 10.1	Lee Tat Bridge (GB-01) • 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;	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 Dec 2023. Antiquities and Monuments Office (AMO) had no adverse comment on the report on 3 Jan 2024. A formal reply letter was issued by the EPD on 21 Jun 2024 for their acceptance on the report.	N/A

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	Starting date of Implementation
Table 10-3	Table 10.1	• 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 equipment, the frequency 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; • 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.	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 Dec 2023. Antiquities and Monuments Office (AMO) had no adverse comment on the report on 3 Jan 2024. A formal reply letter was issued by the EPD on 21 Jun 2024 for their acceptance on the report.	N/A

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	Starting date of Implementation
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	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	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	The Archaeological Survey at Lin Fa Tei was carried out from 16 to 28 Oct 2024.	16 Oct 2024
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	N/A

Remarks:
1. "HC" equal to Ha Che
2. "LFT" equal to Lin Fa Tei
3. "SSNV" equal to Sung Shan New Village
4. "TW" equal to Tai Wo

Appendix 2.1 Calibration Certificates of Impact Water Quality Monitoring Equipment

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-BE030347
Date of Issue : 03 April 2025

PART A - CUSTOMER INFORMATION

Acuity Sustainability Consulting Limited
Unit 1608, 16/F, Tower B, Manulife Fin. Centre 223 - 231 Wai Yip Street, Kwun Tong,
Kowloon (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS (Multi Parameters)
Manufacturer :	YSI
Serial Number :	22D100436
Date of Received :	31 March 2025
Date of Calibration :	01 April 2025
Date of Next Calibration :	30 June 2025
Request No. :	D-BE030347

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
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance (pH unit)	Result
4.00	4.16	0.16	Satisfactory
7.42	7.50	0.08	Satisfactory
10.01	10.07	0.06	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading	Tolerance	Result
9.7	9.9	0.2	Satisfactory
19.5	19.4	-0.1	Satisfactory
32.3	31.7	-0.6	Satisfactory

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

(3) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance (mg/L)	Result
9.28	9.36	0.08	Satisfactory
6.21	6.08	-0.13	Satisfactory
3.32	3.16	-0.16	Satisfactory
0.01	0.12	0.11	Satisfactory

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

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AUTHORIZED SIGNATORY:

FUNG Yuen-ching
Laboratory 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
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

PART D - CALIBRATION RESULT

(4) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.77	-2.3	Satisfactory
20	19.59	-2.05	Satisfactory
30	29.31	-2.3	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a] (%)	Result
0	0.17	-	Satisfactory
10	10.76	7.6	Satisfactory
20	19.14	-4.3	Satisfactory
100	94.58	-5.42	Satisfactory
800	732.96	-8.38	Satisfactory

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

[a] For O NTU, Display Reading should be less than 1 NTU

Remark(s): -

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

Test Report No. : R-BE030049
Date of Issue : 18 March 2025

PART A - CUSTOMER INFORMATION

Acuity Sustainability Consulting Limited
Unit 1608, 16/F, Tower B, Manulife Fin. Centre 223 - 231 Wai Yip Street, Kwun Tong,
Kowloon (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	22C106561
Date of Received :	13 March 2025
Date of Calibration :	17 March 2025
Date of Next Calibration :	16 June 2025
Request No. :	D-BE030049

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
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Salinity	APHA 21e 2520 B
Turbidity	APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance (pH unit)	Result
4.00	3.96	-0.04	Satisfactory
7.42	7.27	-0.15	Satisfactory
10.01	9.96	-0.05	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer	Display Reading	Tolerance	Result
11.8	12.3	0.5	Satisfactory
21.8	21.1	-0.7	Satisfactory
34.1	33.0	-1.1	Satisfactory

Tolerance of Temperature should be less than ± 2.0 (℃)

(3) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance (mg/L)	Result
8.84	9.11	0.27	Satisfactory
6.65	6.51	-0.14	Satisfactory
3.90	3.98	0.08	Satisfactory
0.01	0.34	0.33	Satisfactory

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

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AUTHORIZED SIGNATORY:

FUNG Yuen-ching
Laboratory Manager

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

PART D - CALIBRATION RESULT

(4) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	10.35	3.5	Satisfactory
20	20.62	3.1	Satisfactory
30	30.38	1.3	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a] (%)	Result
0	0.76	-	Satisfactory
10	10.80	8	Satisfactory
20	19.73	-1.35	Satisfactory
100	96.97	-3.03	Satisfactory
800	721.95	-9.8	Satisfactory

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

[a] For O NTU, Display Reading should be less than 1 NTU

Remark(s): -

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

--- END OF REPORT ---

Appendix 2.2 Event and Action Plan for Water Quality Exceedance

Event and Action Plan for Water Quality

Event	Action			
	ET [1]	IEC [1]	ER [1]	Contractor
Action Level being exceeded by one sampling day	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform the IEC and the Contractor; 4. Check monitoring data, all plant, equipment and the Contractor's working methods; 5. Discuss mitigation measures with the IEC and the Contractor; 6. 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.	1. Inform the ER 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 and the IEC and propose mitigation measures to the IEC and the ER; 6. Implement the agreed mitigation measures.
Action Level being exceeded by more than one consecutive sampling days	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform the IEC and the Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with the IEC and the Contractor; 6. Ensure mitigation measures are implemented; 7. Prepare to increase the monitoring frequency to daily; 8. 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.	1. Inform the ER 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 and the IEC and propose mitigation measures to the IEC and the ER within 3 working days; 6. Implement the agreed mitigation measures.

Event	Action			
	ET [1]	IEC [1]	ER [1]	Contractor
Limit Level being exceeded by one sampling days	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform the IEC, the Contractor and the DEP; 4. Check monitoring data, all plant, equipment and the Contractor's working methods; 5. Discuss mitigation measures with the IEC, the ER and the Contractor; 6. Ensure mitigation measures are implemented; 7. 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.

Event	Action			
	ET [1]	IEC [1]	ER [1]	Contractor
Limit Level being exceeded by more than one consecutive sampling days	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact. 3. Inform the IEC, the Contractor and the DEP; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with the IEC, the ER and the Contractor; 6. Ensure mitigation measures are implemented; 7. 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.	1. Inform the ER 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; 7. 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.

Appendix 2.3 Impact Monitoring Schedule of the Reporting Month

Impact Noise & Water Monitoring Schedule for Contract No. DC/2022/02 Drainage Improvement Works at Yuen Long Stage 2 (Version 3)						
May 2025						
Sun	**Mon**	**Tue**	**Wed**	**Thur**	**Fri**	**Sat**
				1	**2**	**3**
4	**5**	**6**	**7** Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M6, LFT_M11	**8** Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	**9**	**10**
11	**12**	**13** Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M6, LFT_M11	**14**	**15**	**16** Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	**17**
18	**19**	**20**	**21**	**22** Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	**23** Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M6, LFT_M11	**24**
25	**26**	**27**	**28** Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	**29** Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M6, LFT_M11	**30**	**31**

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_M6, 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 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 2025 and September 2025. Thus, impact noise monitoring and impact water quality monitoring at Tai Wo will be suspended between April 2025 and September 2025.
3. As approved by the EPD that the frequency of water monitoirng at Ha Che, Lin Fa Tei and Sung Shan New Village has been changed from three times per week to once per week.
4. As confirmed by the Contrator that there will be no construction works undertaken on 1 May 2025, 5 May 2025 and 31 May 2025.

Appendix 2.4 Impact Water Quality 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
Water Quality Monitoring Result

Water Quality Monitoring Location: C1A

Location	Date	Weather	Time	Water Depth (m)	Dissoloved Oxygen (mg/L)		Dissoloved Oxygen Saturation (%)		pH		Salinity (ppt)		Tempertuare (°C)		Turbidty (NTU)		Suspended Solids (mg/L)		Remark
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
C1A	20250508	Cloudy	12:30	0.38	6.73		88.1		6.07		0.15		29.3		8.79		4.1		
C1A	20250508	Cloudy	12:30	0.38	6.98	6.86	90.9	89.5	6.07	6.07	0.15	0.15	29.2	29.3	8.69	8.74	4.0	4.1	
C1A	20250516	Sunny	11:00	0.36	6.77		96.5		7.78		0.11		34.4		7.59		1.2		
C1A	20250516	Sunny	11:00	0.36	6.75	6.76	96.3	96.4	7.73	7.76	0.11	0.11	34.4	34.4	7.69	7.64	2.3	1.8	
C1A	20250522	Sunny	12:10	0.38	6.90		89.6		6.33		0.11		32.2		9.17		6.6		
C1A	20250522	Sunny	12:10	0.38	6.90	6.90	89.6	89.6	6.14	6.24	0.11	0.11	32.2	32.2	9.13	9.15	6.9	6.8	
C1A	20250528	Cloudy	12:45	0.38	6.80		88.2		7.04		0.19		26.6		10.12		3.2		
C1A	20250528	Cloudy	12:45	0.38	6.80	6.80	88.7	88.5	7.05	7.05	0.19	0.19	26.6	26.6	10.20	10.16	5.0	4.1	

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

Water Quality Monitoring Location: C2

Location	Date	Weather	Time	Water Depth (m)	Dissoloved Oxygen (mg/L)		Dissoloved Oxygen Saturation (%)		pH		Salinity (ppt)		Tempertuare (°C)		Turbidty (NTU)		Suspended Solids (mg/L)		Remark
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
C2	20250508	Cloudy	12:15	0.40	2.59		32.8		7.40		0.22		27.4		11.68		15.2		
C2	20250508	Cloudy	12:15	0.40	2.59	2.59	32.8	32.8	7.40	7.40	0.22	0.22	27.4	27.4	11.64	11.66	15.1	15.2	
C2	20250516	Sunny	11:46	0.30	2.45		31.8		7.40		0.29		26.1		9.44		9.6		
C2	20250516	Sunny	11:46	0.30	2.45	2.45	31.8	31.8	7.40	7.40	0.29	0.29	26.1	26.1	9.63	9.54	7.9	8.8	
C2	20250522	Sunny	12:05	0.32	2.59		32.8		7.33		0.19		32.6		14.34		10.0		
C2	20250522	Sunny	12:05	0.32	2.59	2.59	32.8	32.8	7.33	7.33	0.19	0.19	32.6	32.6	14.64	14.49	15.0	12.5	
C2	20250528	Cloudy	12:30	0.35	4.26		52.3		7.29		0.27		25.7		5.53		7.7		
C2	20250528	Cloudy	12:30	0.35	3.64	3.95	44.7	48.5	7.25	7.27	0.27	0.27	25.7	25.7	6.71	6.12	12.0	9.9	

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

Water Quality Monitoring Location: C3A

Location	Date	Weather	Time	Water Depth (m)	Dissoloved Oxygen (mg/L)		Dissoloved Oxygen Saturation (%)		pH		Salinity (ppt)		Tempertuare (°C)		Turbidty (NTU)		Suspended Solids (mg/L)		Remark
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
C3A	20250508	Cloudy	12:09	0.16	4.28		52.7		6.19		0.02		25.9		8.21		10.9		
C3A	20250508	Cloudy	12:09	0.16	4.46	4.37	54.8	53.8	6.46	6.33	0.02	0.02	25.9	25.9	8.38	8.30	13.9	12.4	
C3A	20250516	Sunny	10:43	0.14	5.11		62.0		7.32		0.01		25.1		10.58		7.3		
C3A	20250516	Sunny	10:43	0.14	5.06	5.09	61.9	62.0	7.59	7.46	0.02	0.02	25.5	25.3	8.71	9.65	12.0	9.7	
C3A	20250522	Sunny	12:00	0.16	4.44		54.6		8.12		0.03		30.1		8.36		8.3		
C3A	20250522	Sunny	12:00	0.16	4.35	4.40	53.5	54.1	7.96	8.04	0.03	0.03	30.1	30.1	8.46	8.41	10.0	9.2	
C3A	20250528	Cloudy	12:20	0.21	5.88		69.5		7.73		0.02		23.8		7.67		7.1		
C3A	20250528	Cloudy	12:20	0.21	5.70	5.79	67.5	68.5	7.53	7.63	0.02	0.02	23.9	23.9	7.90	7.79	10.0	8.6	

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

Water Quality Monitoring Location: C6

Location	Date	Weather	Time	Water Depth (m)	Dissoloved Oxygen (mg/L)		Dissoloved Oxygen Saturation (%)		pH		Salinity (ppt)		Tempertuare (°C)		Turbidty (NTU)		Suspended Solids (mg/L)		Remark
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
C6	20250508	Cloudy	11:29	0.24	2.22		28.0		7.07		1.43		27.00		52.53		6.0		
C6	20250508	Cloudy	11:29	0.24	2.73	2.48	34.5	31.3	7.07	7.07	1.42	1.43	27.10	27.05	48.78	50.66	6.8	6.4	
C6	20250516	Sunny	12:00	0.18	6.43		80.2		7.55		0.21		26.60		29.63		26.0		
C6	20250516	Sunny	12:00	0.18	6.40	6.42	79.7	80.0	7.55	7.55	0.21	0.21	26.60	26.60	27.94	28.79	34.0	30.0	
C6	20250522	Sunny	11:11	0.24	2.29		29.0		8.07		1.39		27.00		51.75		34.0		
C6	20250522	Sunny	11:11	0.24	2.61	2.45	33.0	31.0	7.99	8.03	1.39	1.39	27.10	27.05	50.48	51.12	18.0	26.0	
C6	20250528	Cloudy	11:35	0.20	7.59		94.0		7.90		0.78		26.00		29.59		56.0		
C6	20250528	Cloudy	11:35	0.20	7.87	7.73	97.5	95.8	7.90	7.90	0.78	0.78	26.00	26.00	30.56	30.08	41.0	48.5	

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

Water Quality Monitoring Location: C7A

Location	Date	Weather	Time	Water Depth (m)	Dissoloved Oxygen (mg/L)		Dissoloved Oxygen Saturation (%)		pH		Salinity (ppt)		Tempertuare (°C)		Turbidty (NTU)		Suspended Solids (mg/L)		Remark
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
C7A	20250508	Cloudy	11:35	0.12	5.09		62.7		7.48		0.18		27.8		6.04		3.9		
C7A	20250508	Cloudy	11:35	0.12	5.05	5.07	62.3	62.5	7.4	7.44	0.18	0.18	27.8	27.8	5.39	5.72	6.1	5.0	
C7A	20250516	Sunny	12:25	0.08	6.38		81.6		7.61		0.17		28.0		7.26		3.5		
C7A	20250516	Sunny	12:25	0.08	6.38	6.38	81.6	81.6	7.61	7.61	0.17	0.17	28.0	28.0	7.28	7.27	5.1	4.3	
C7A	20250522	Sunny	11:22	0.10	4.92		62.6		7.13		0.19		31.4		4.31		6.2		
C7A	20250522	Sunny	11:22	0.10	4.91	4.92	62.6	62.6	7.13	7.13	0.19	0.19	31.7	31.6	4.30	4.31	8.8	7.5	
C7A	20250528	Cloudy	11:50	0.08	5.09		62.7		7.48		0.18		26.0		6.04		7.6		
C7A	20250528	Cloudy	11:50	0.08	5.04	5.07	62.1	62.4	7.39	7.44	0.18	0.18	26.0	26.0	5.40	5.72	4.4	6.0	

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

Water Quality Monitoring Location: C8

Location	Date	Weather	Time	Water Depth (m)	Dissoloved Oxygen (mg/L)		Dissoloved Oxygen Saturation (%)		pH		Salinity (ppt)		Tempertuare (°C)		Turbidty (NTU)		Suspended Solids (mg/L)		Remark
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
C8	20250508	Cloudy	11:42	0.23	5.54		68.3		7.19		0.15		27.4		2.76		2.2		
C8	20250508	Cloudy	11:42	0.23	5.54	5.54	68.3	68.3	7.2	7.2	0.15	0.15	27.3	27.4	2.90	2.83	3.2	2.7	
C8	20250516	Sunny	12:30	0.10	6.33		80.1		7.45		0.14		27.4		6.12		<1.0		
C8	20250516	Sunny	12:30	0.10	6.33	6.33	80.1	80.1	7.28	7.37	0.14	0.14	27.3	27.4	6.38	6.25	<1.0	1.0	
C8	20250522	Sunny	11:28	0.18	5.44		67.1		7.24		0.20		31.3		3.64		<1.0		
C8	20250522	Sunny	11:28	0.18	5.42	5.43	67.0	67.1	7.24	7.24	0.20	0.20	31.2	31.3	3.82	3.73	<1.0	1.0	
C8	20250528	Cloudy	11:58	0.14	5.40		66.6		7.25		0.15		26.0		4.02		<1.0		
C8	20250528	Cloudy	11:58	0.14	5.42	5.41	68.1	67.4	7.21	7.23	0.15	0.15	26.0	26.0	3.77	3.90	<1.0	1.0	

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

Water Quality Monitoring Location: C9

Location	Date	Weather	Time	Water Depth (m)	Dissoloved Oxygen (mg/L)		Dissoloved Oxygen Saturation (%)		pH		Salinity (ppt)		Tempertuare (°C)		Turbidty (NTU)		Suspended Solids (mg/L)		Remark
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
C9	20250508	Cloudy	10:16	0.18	7.23		87.4		6.47		0.10		24.9		1.81		5.3		
C9	20250508	Cloudy	10:16	0.18	7.23	7.23	87.4	87.4	6.47	6.47	0.10	0.10	24.9	24.9	2.17	1.99	3.9	4.6	
C9	20250516	Sunny	11:23	0.18	7.50		89.4		7.54		0.09		24.2		3.02		5.6		
C9	20250516	Sunny	11:23	0.18	7.50	7.50	89.3	89.4	7.53	7.54	0.09	0.09	24.1	24.2	3.67	3.35	3.8	4.7	
C9	20250522	Sunny	10:19	0.20	7.24		87.4		7.91		0.09		26.56		1.83		4.9		
C9	20250522	Sunny	10:19	0.20	7.24	7.24	87.4	87.4	8.03	7.97	0.09	0.09	26.56	26.6	2.10	1.97	9.5	7.2	
C9	20250528	Cloudy	11:02	0.20	7.85		91.3		7.33		0.09		22.9		11.99		26.0		
C9	20250528	Cloudy	11:02	0.20	7.85	7.85	91.3	91.3	7.33	7.33	0.09	0.09	22.9	22.9	11.30	11.65	29.0	27.5	

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

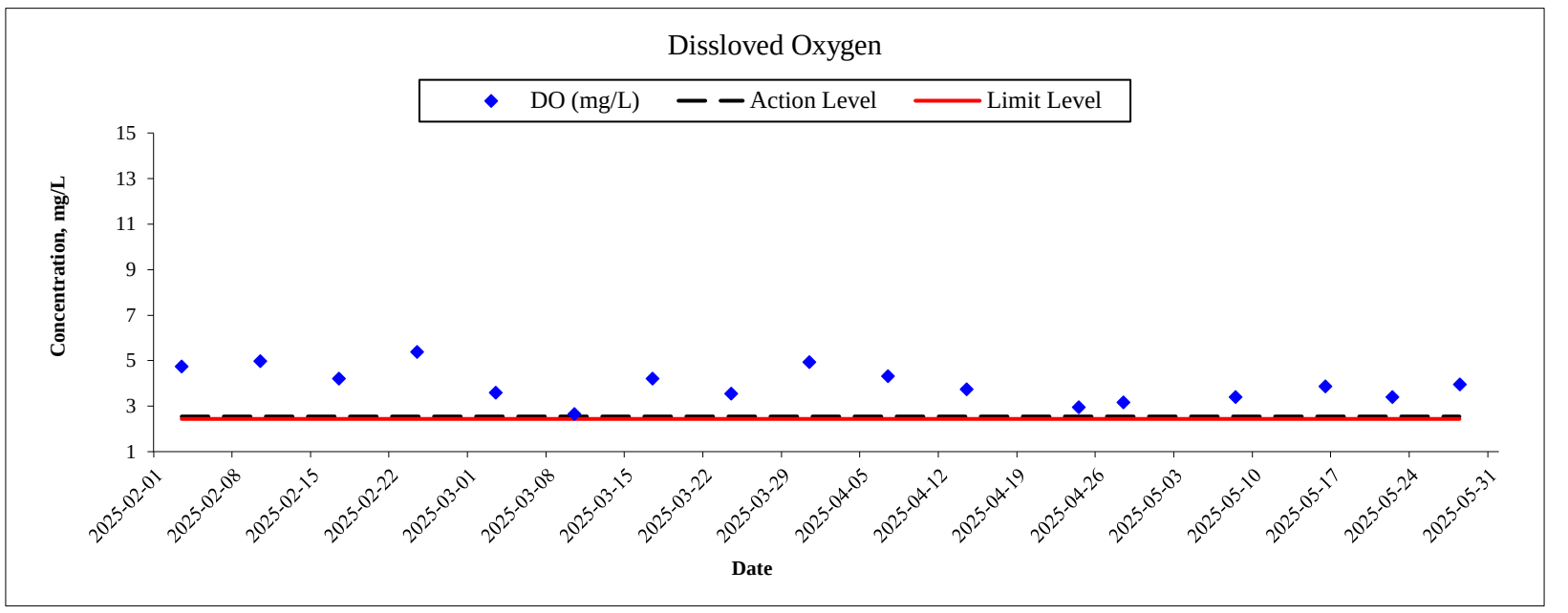
Water Quality Monitoring Location: C10

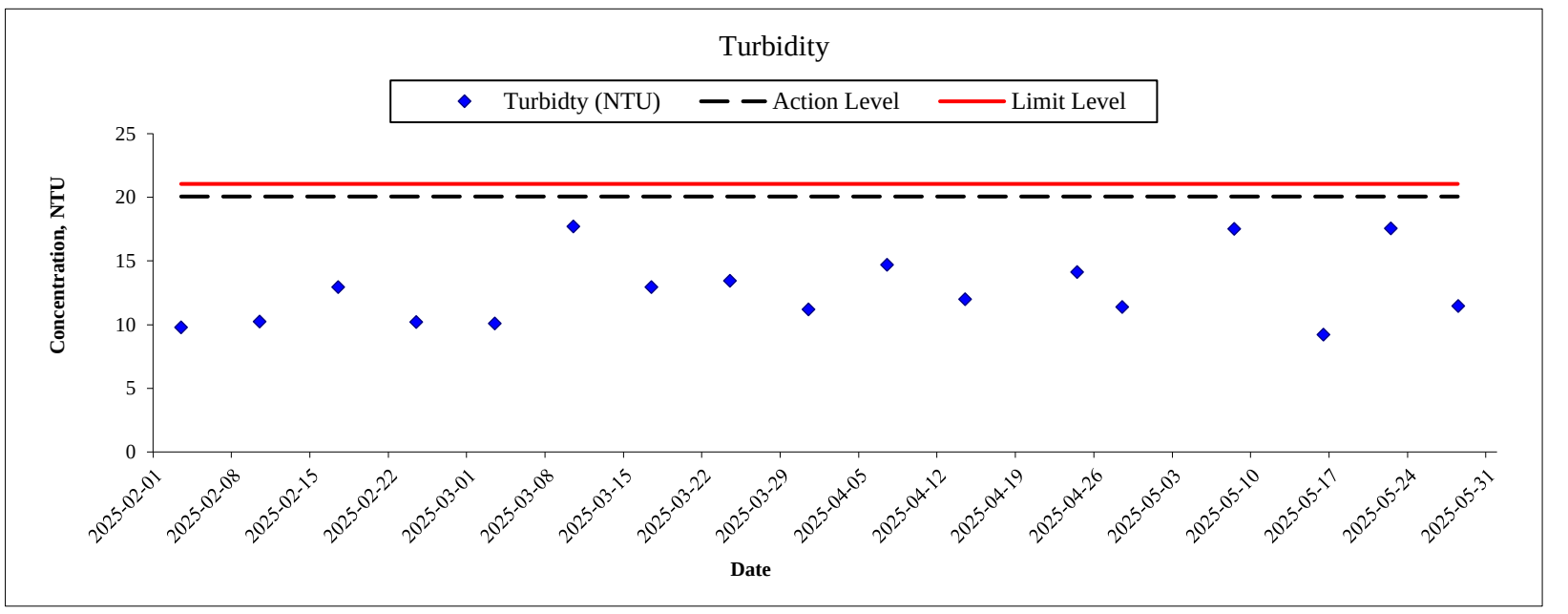
Location	Date	Weather	Time	Water Depth (m)	Dissoloved Oxygen (mg/L)		Dissoloved Oxygen Saturation (%)		pH		Salinity (ppt)		Tempertuare (°C)		Turbidty (NTU)		Suspended Solids (mg/L)		Remark
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	
C10	20250508	Cloudy	10:29	0.18	3.27		41.0		6.37		0.16		27.0		17.79		1.8		
C10	20250508	Cloudy	10:29	0.18	3.54	3.41	44.3	42.7	6.45	6.41	0.16	0.16	26.9	27.0	17.26	17.53	2.4	2.1	
C10	20250516	Sunny	11:35	0.16	3.91		48.5		7.34		0.16		26.3		9.38		<1.0		
C10	20250516	Sunny	11:35	0.16	3.85	3.88	47.7	48.1	7.27	7.31	0.16	0.16	26.2	26.3	9.06	9.22	<1.0	1.0	
C10	20250522	Sunny	10:34	0.16	3.27		41.0		7.33		0.13		28.3		17.91		2.0		
C10	20250522	Sunny	10:34	0.16	3.53	3.40	44.3	42.7	7.42	7.38	0.13	0.13	28.5	28.4	17.23	17.57	3.7	2.9	
C10	20250528	Cloudy	10:35	0.21	3.98		48.1		7.16		0.16		24.9		11.12		5.1		
C10	20250528	Cloudy	10:35	0.21	3.96	3.97	47.9	48.0	7.17	7.17	0.16	0.16	24.9	24.9	11.82	11.47	2.8	4.0	

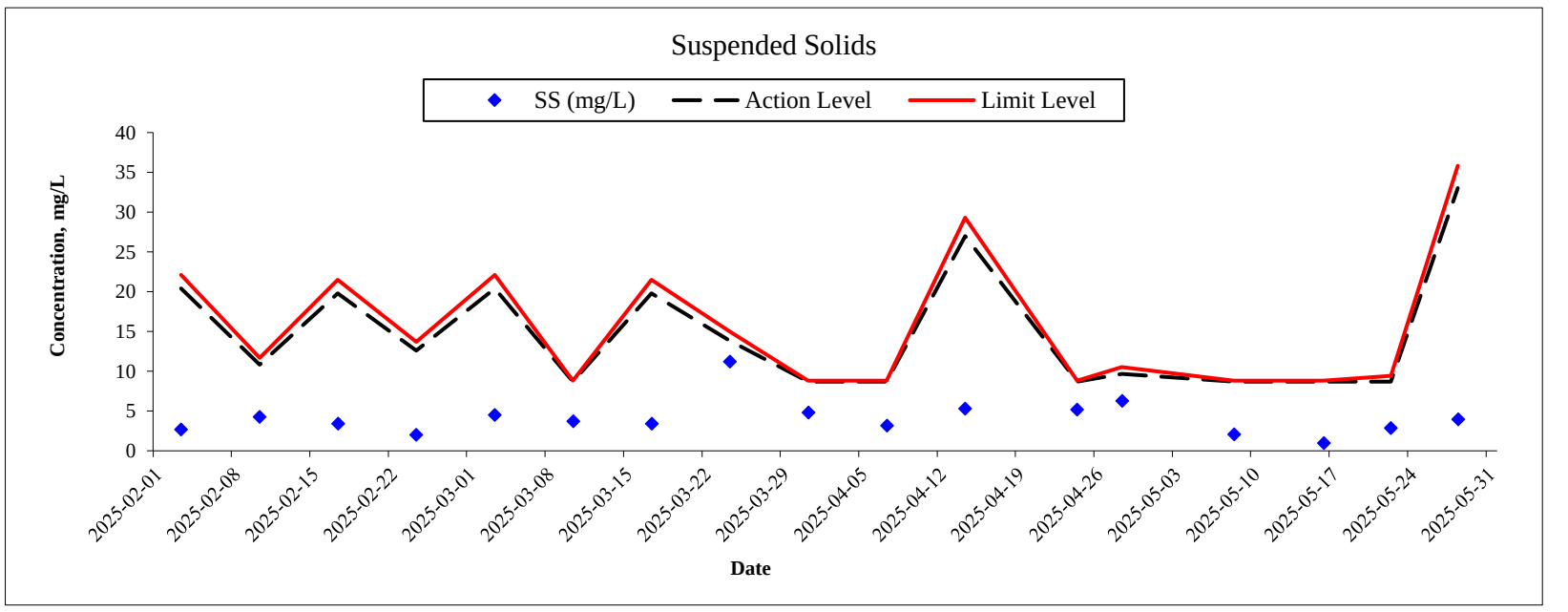
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Water Quality Monitoring Result

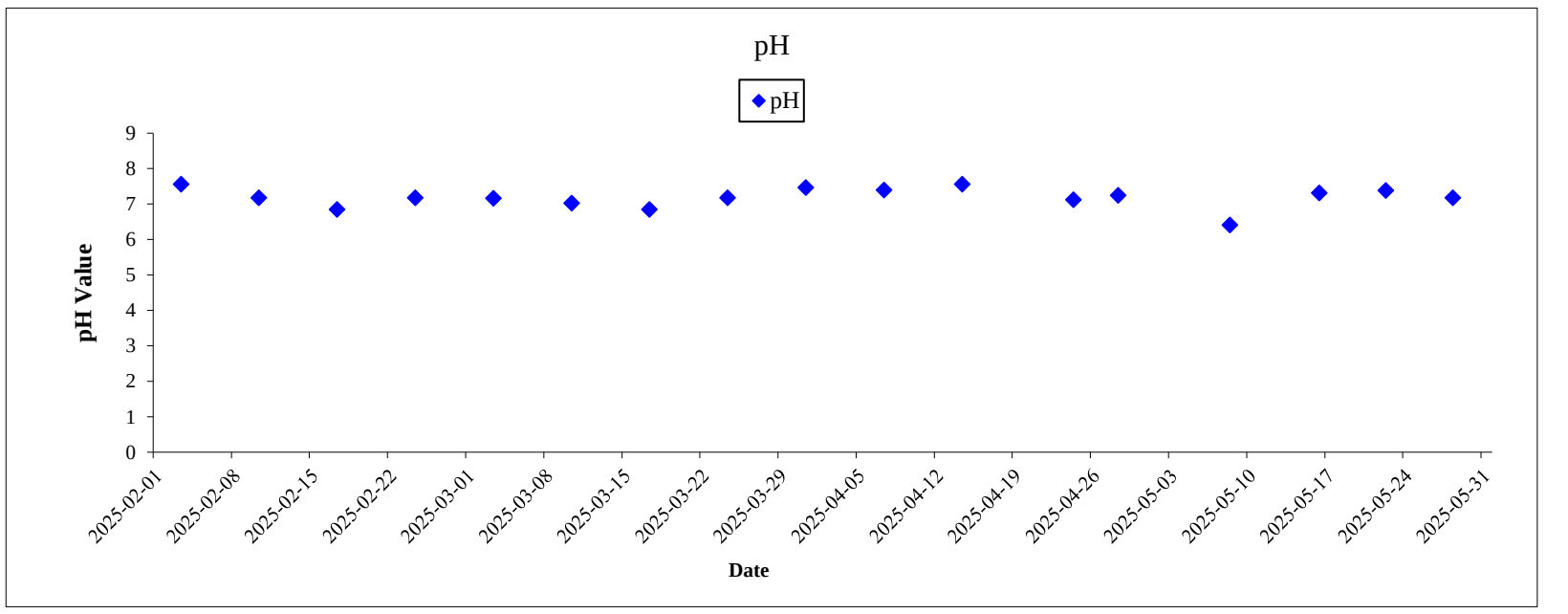
aurecon

Monitoring Location: C10



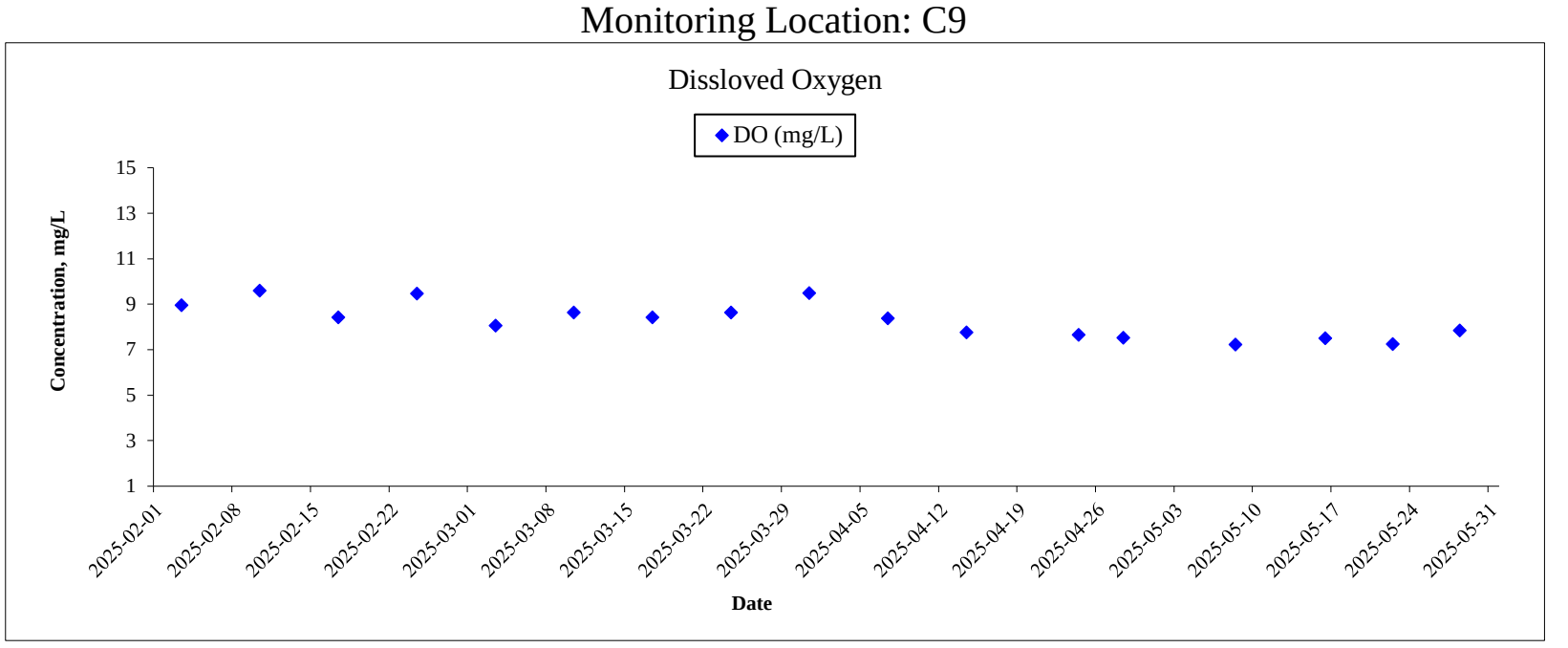


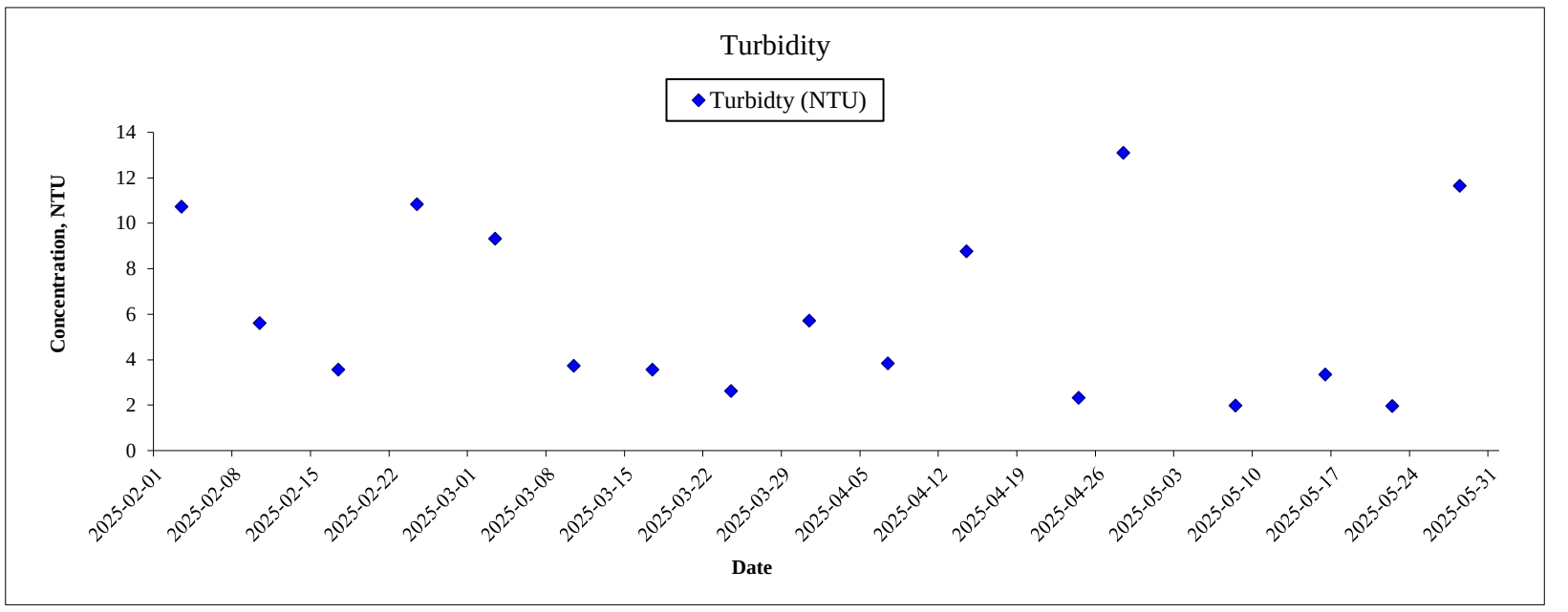


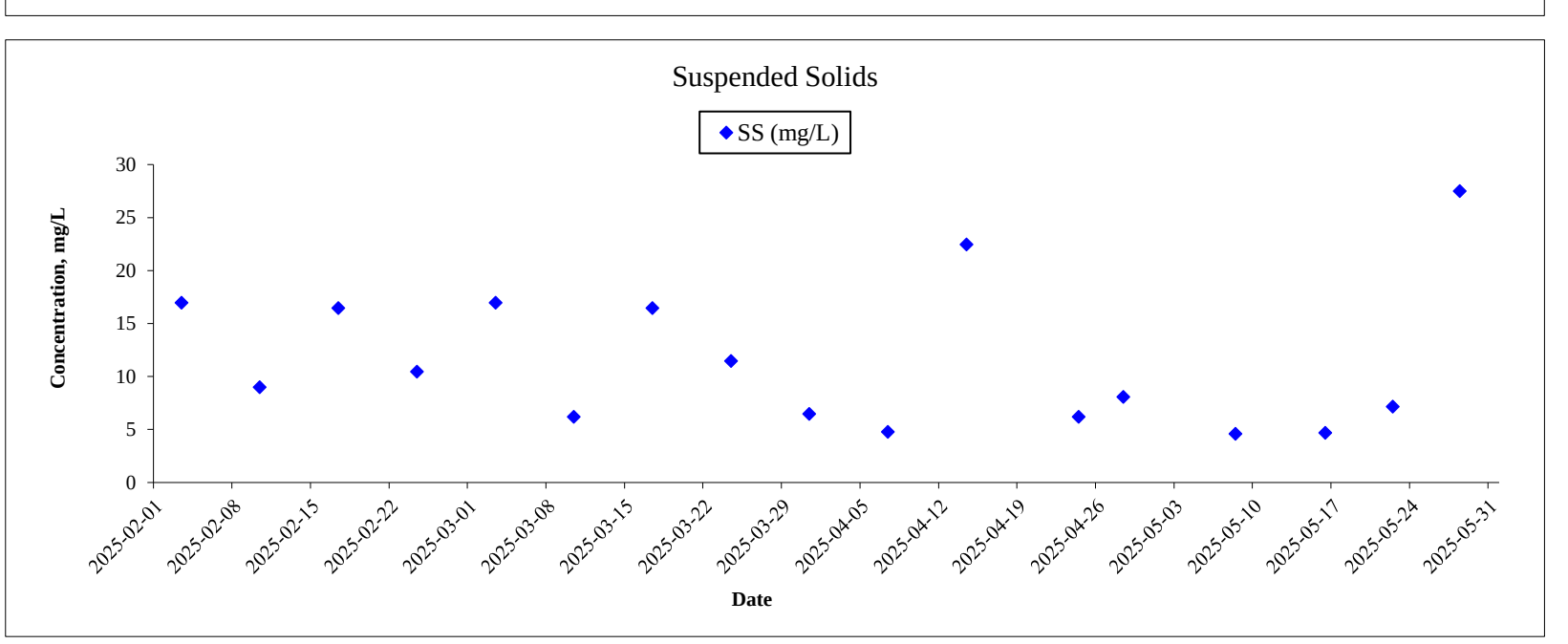


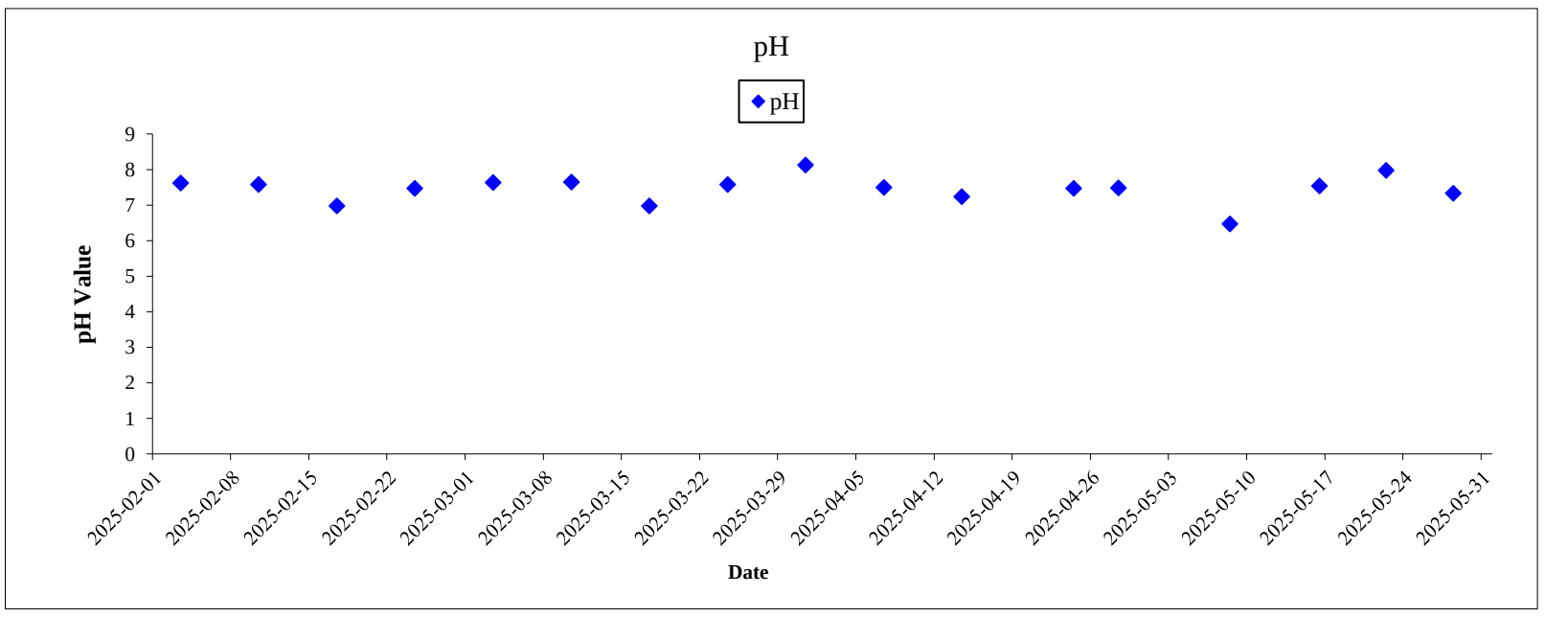
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Water Quality Monitoring Result

Monitoring Location: C9





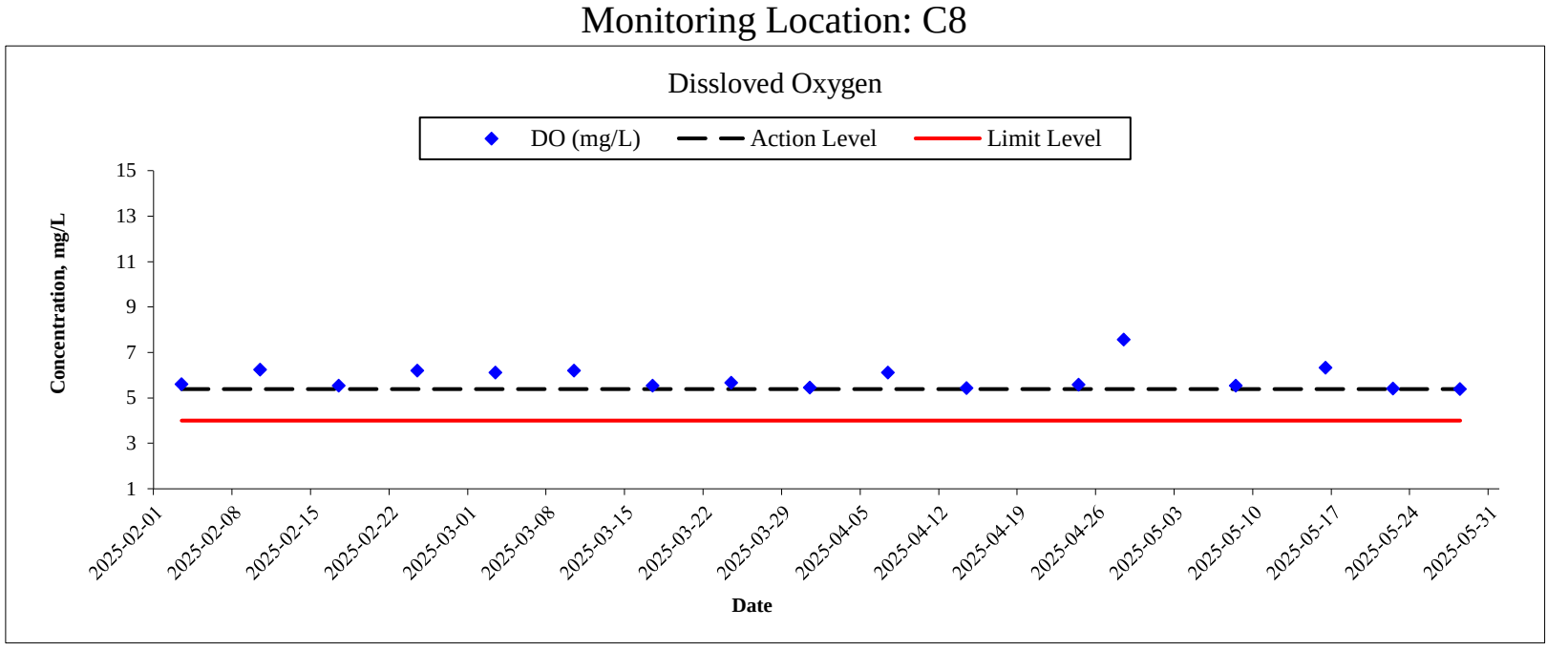


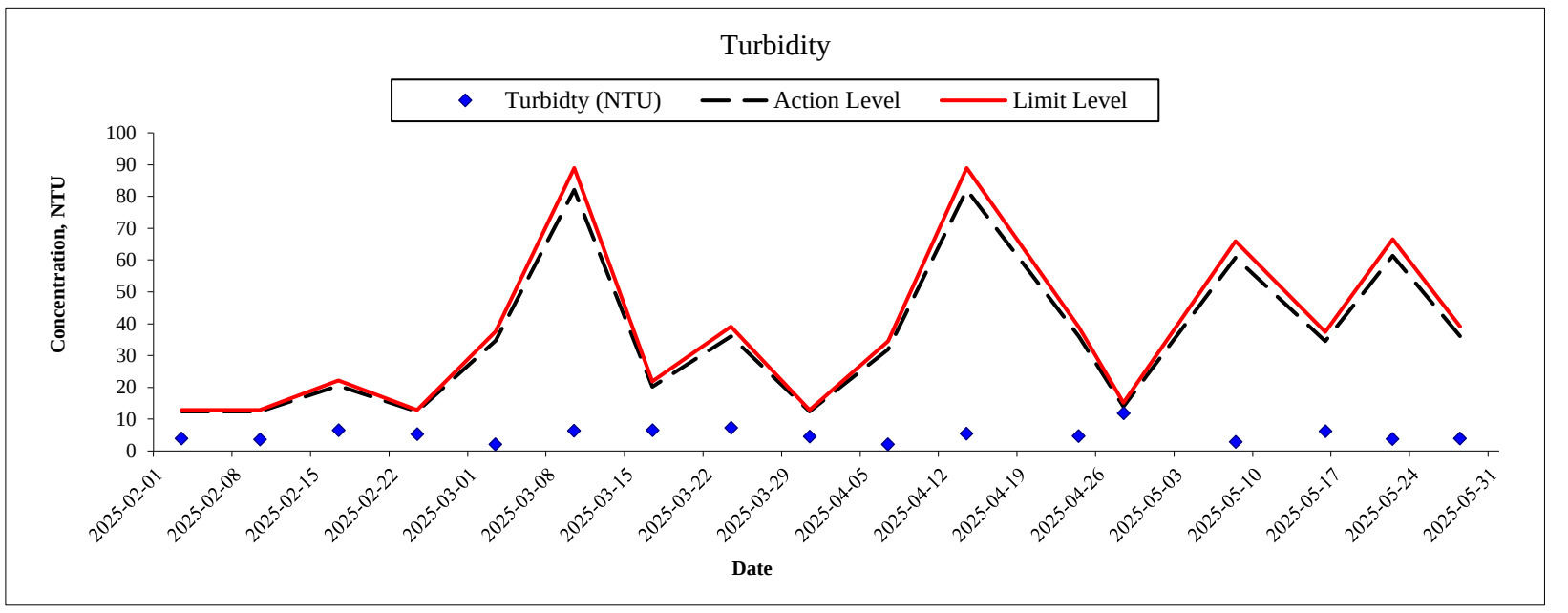


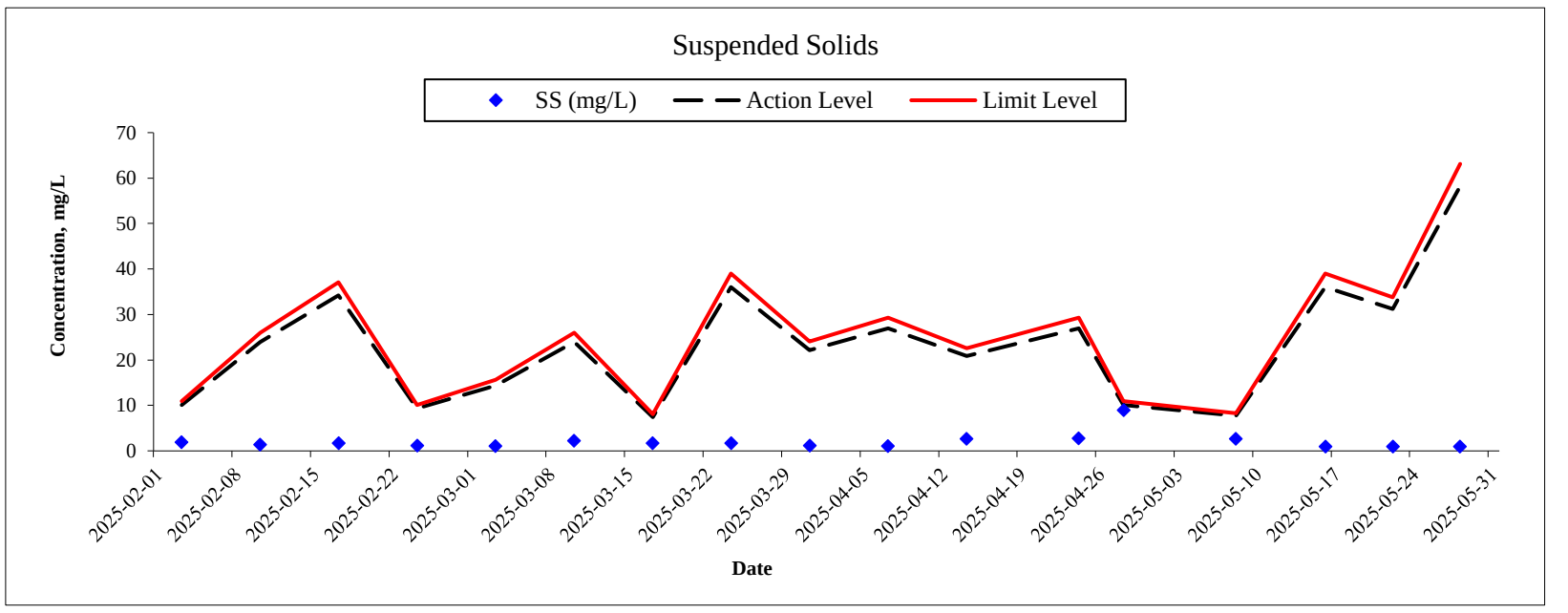
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Water Quality Monitoring Result

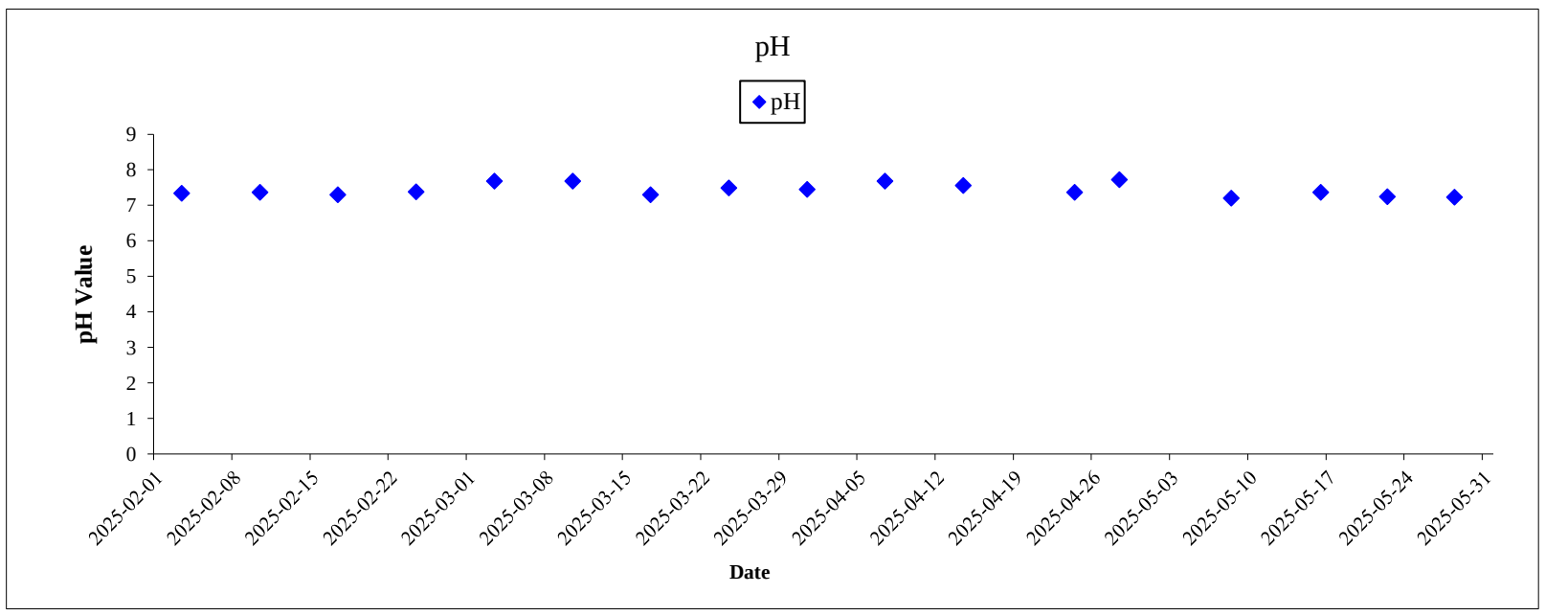
aurecon

Monitoring Location: C8



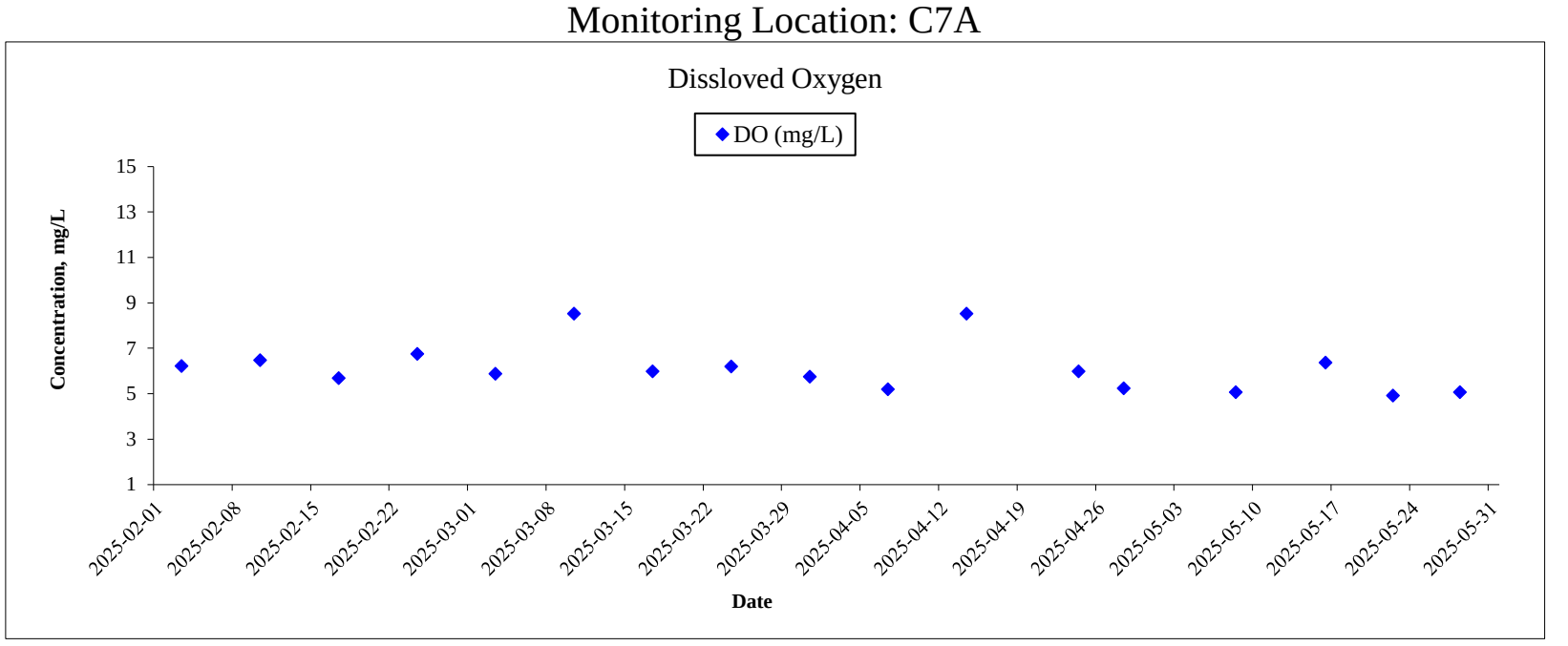


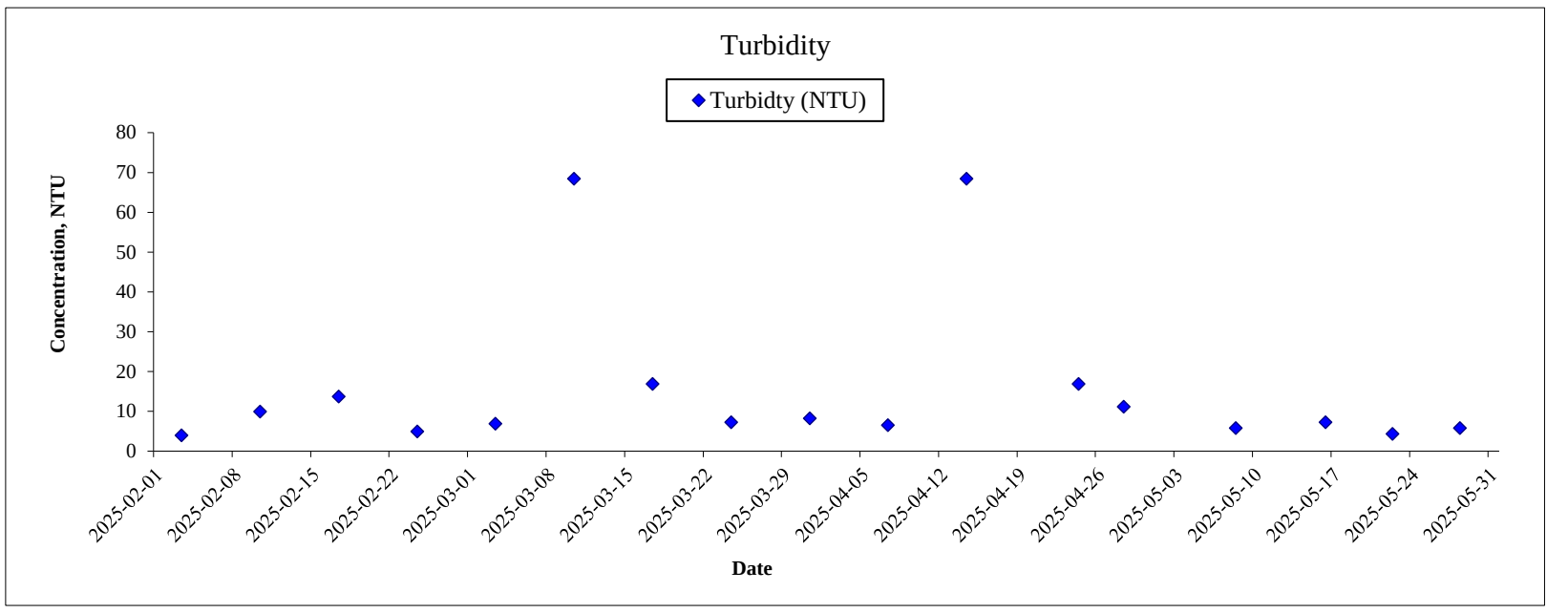


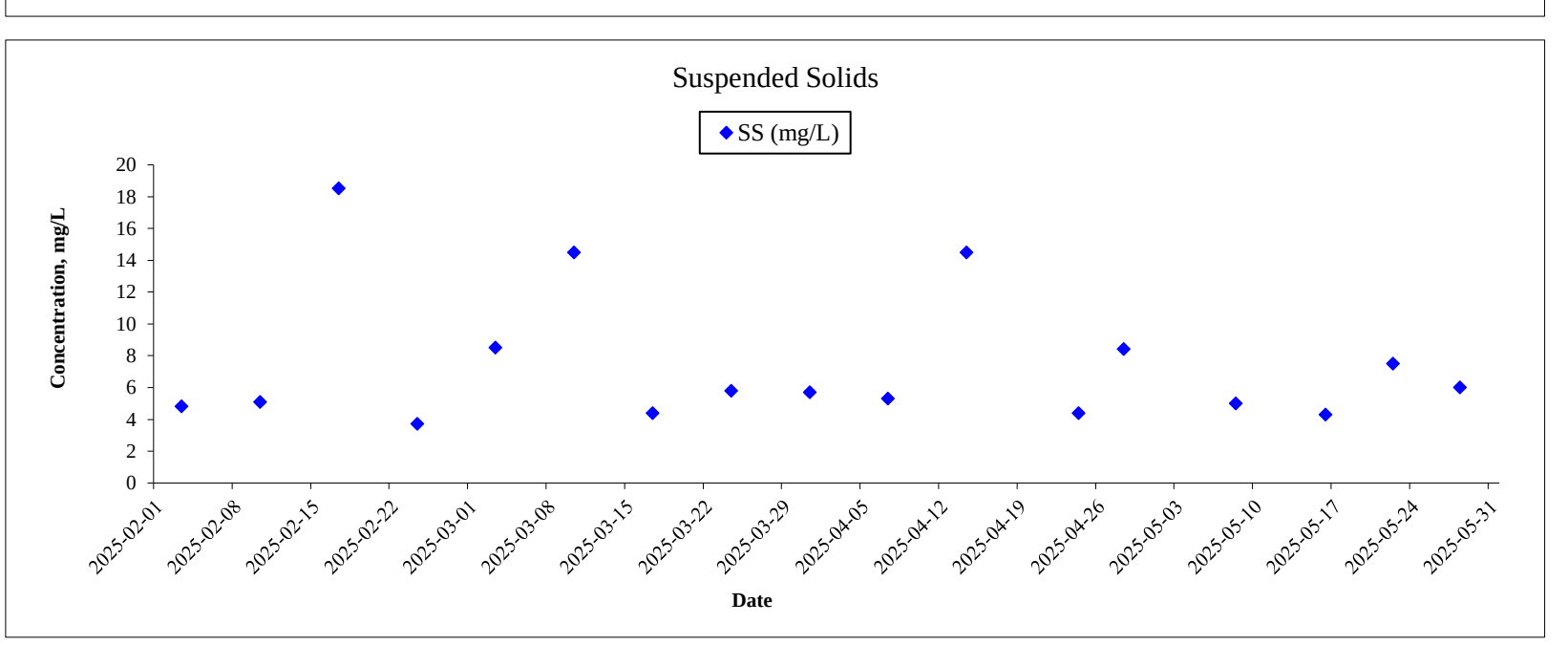


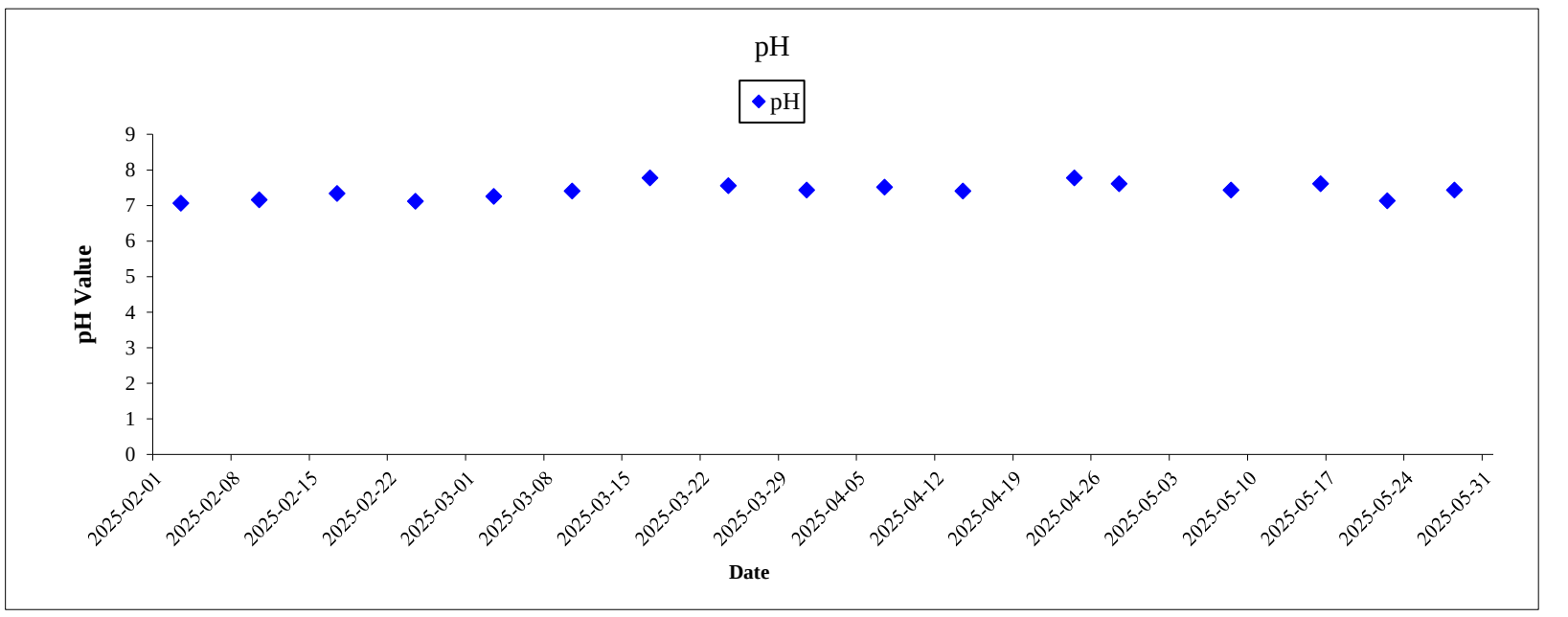
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Water Quality Monitoring Result

Monitoring Location: C7A



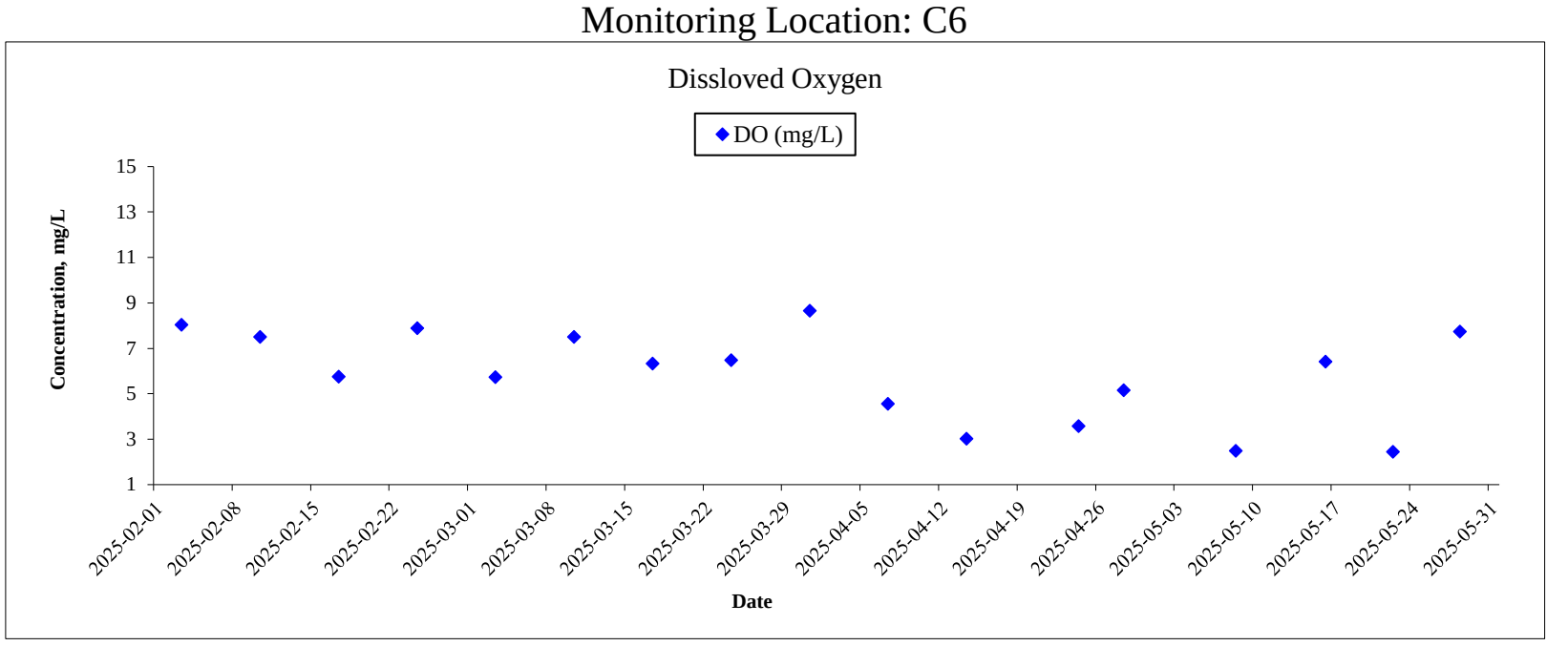


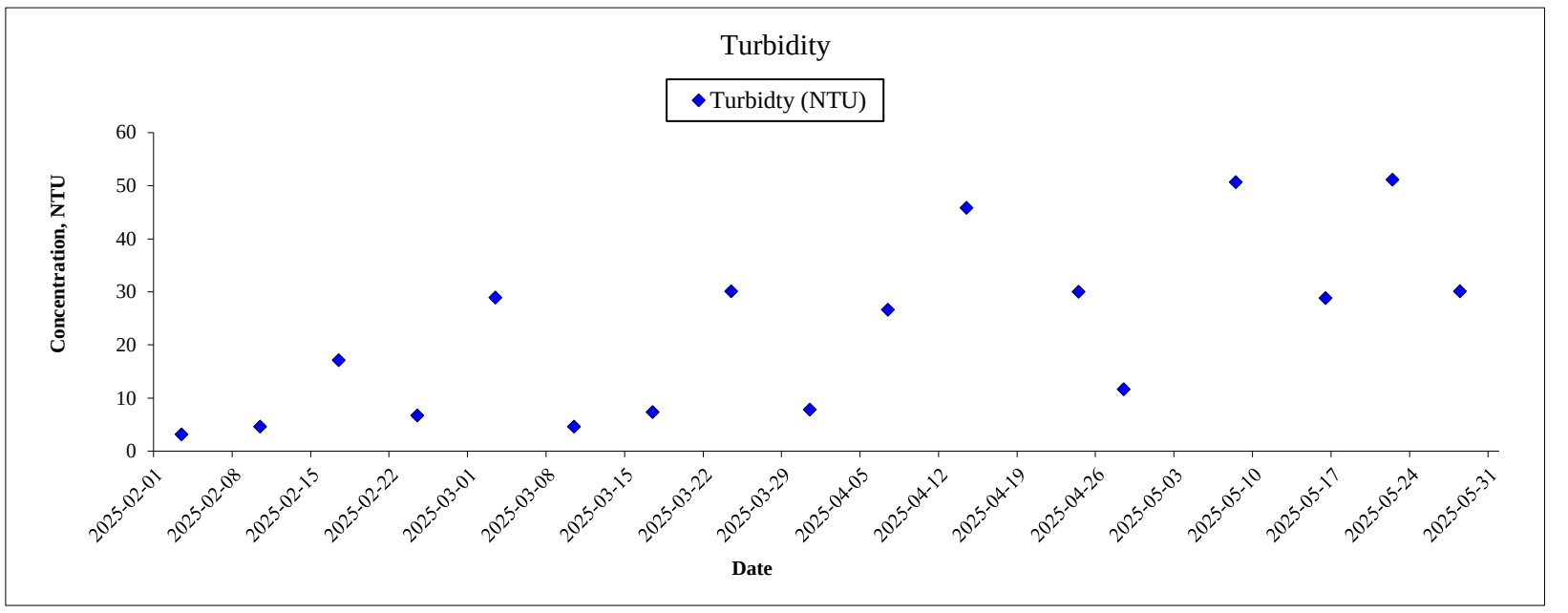


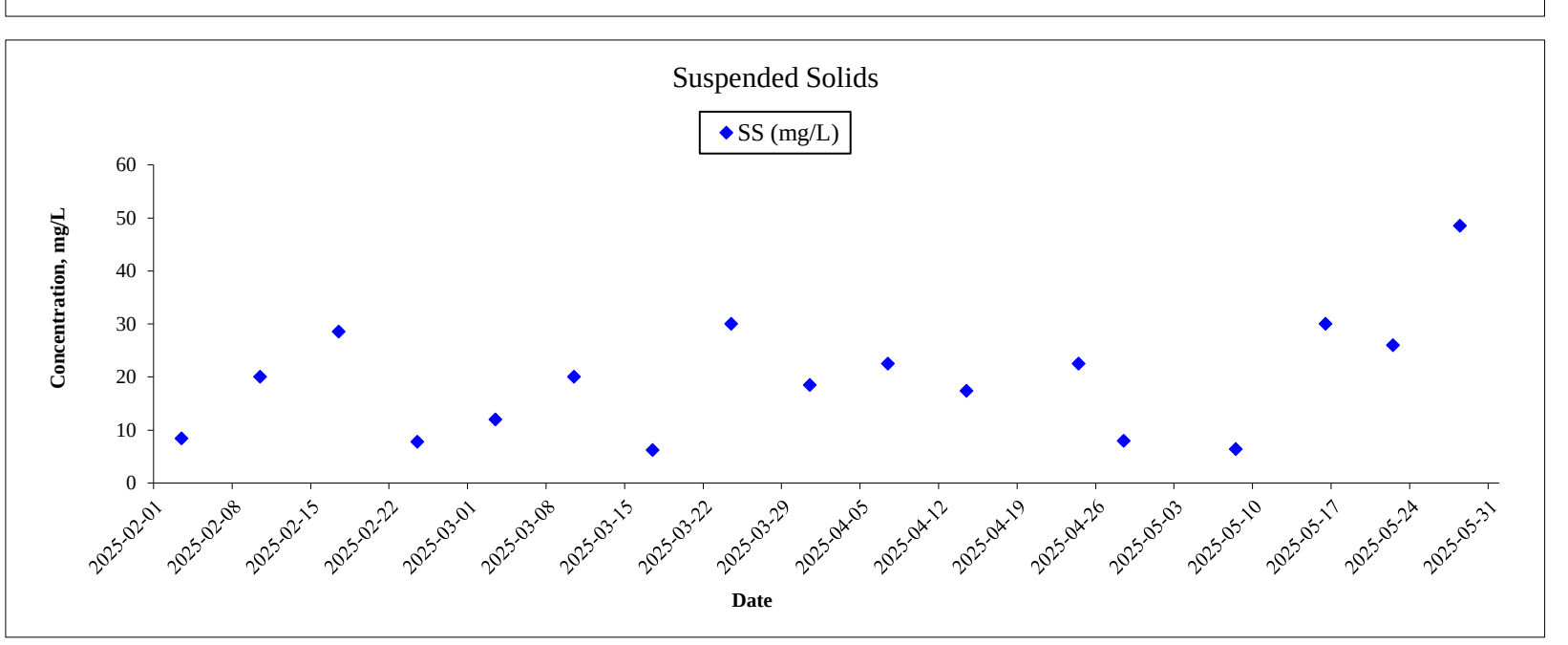


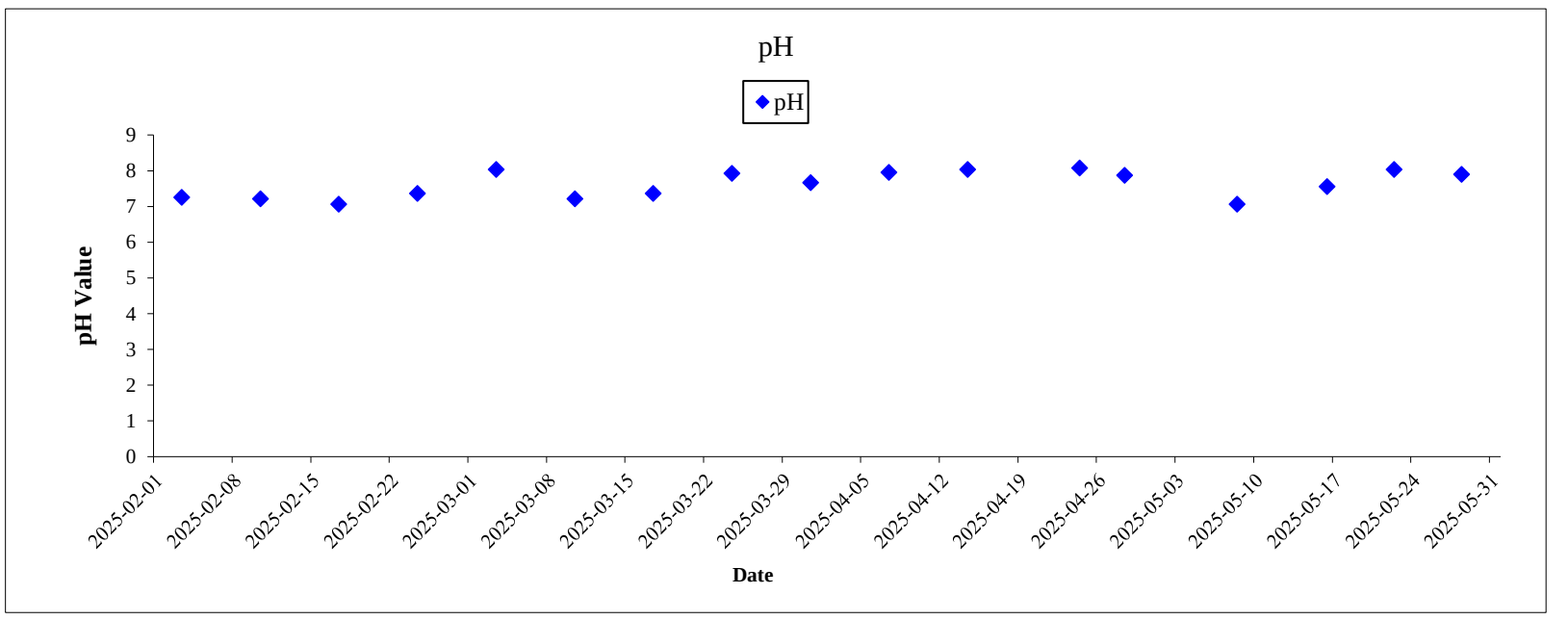
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Water Quality Monitoring Result

Monitoring Location: C6



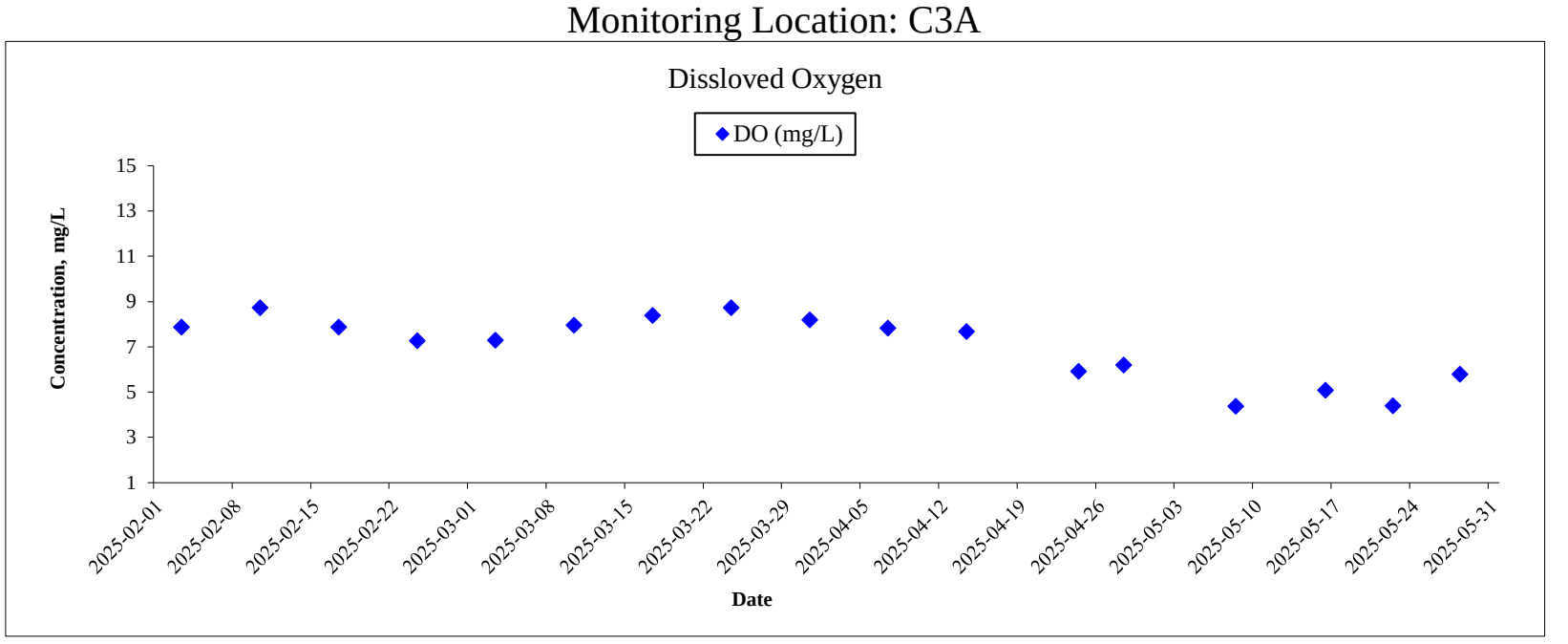


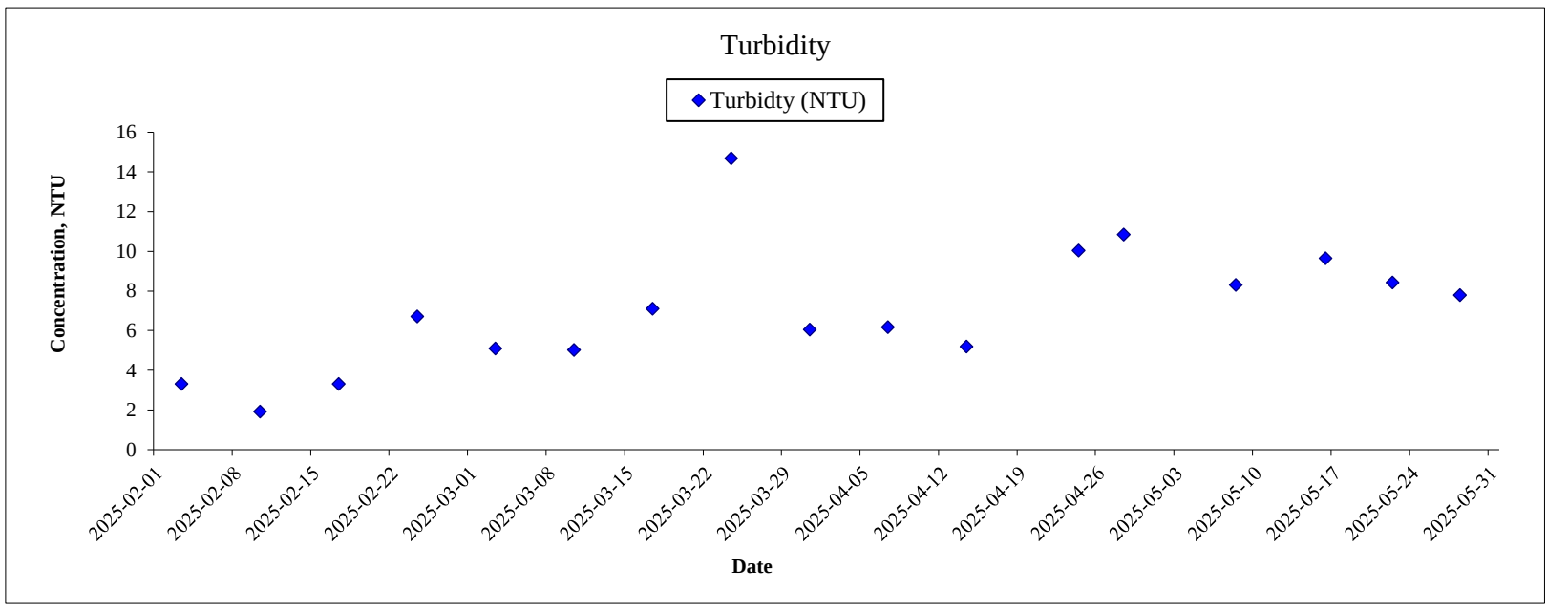


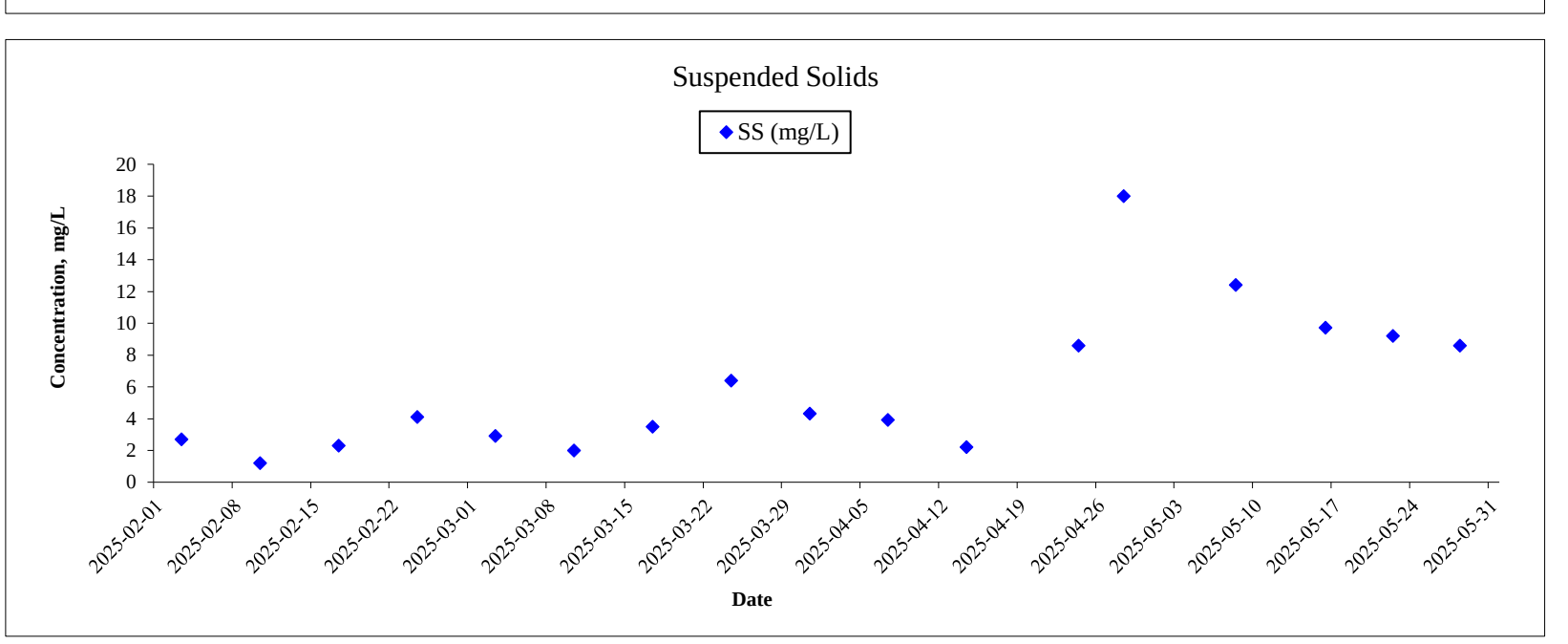


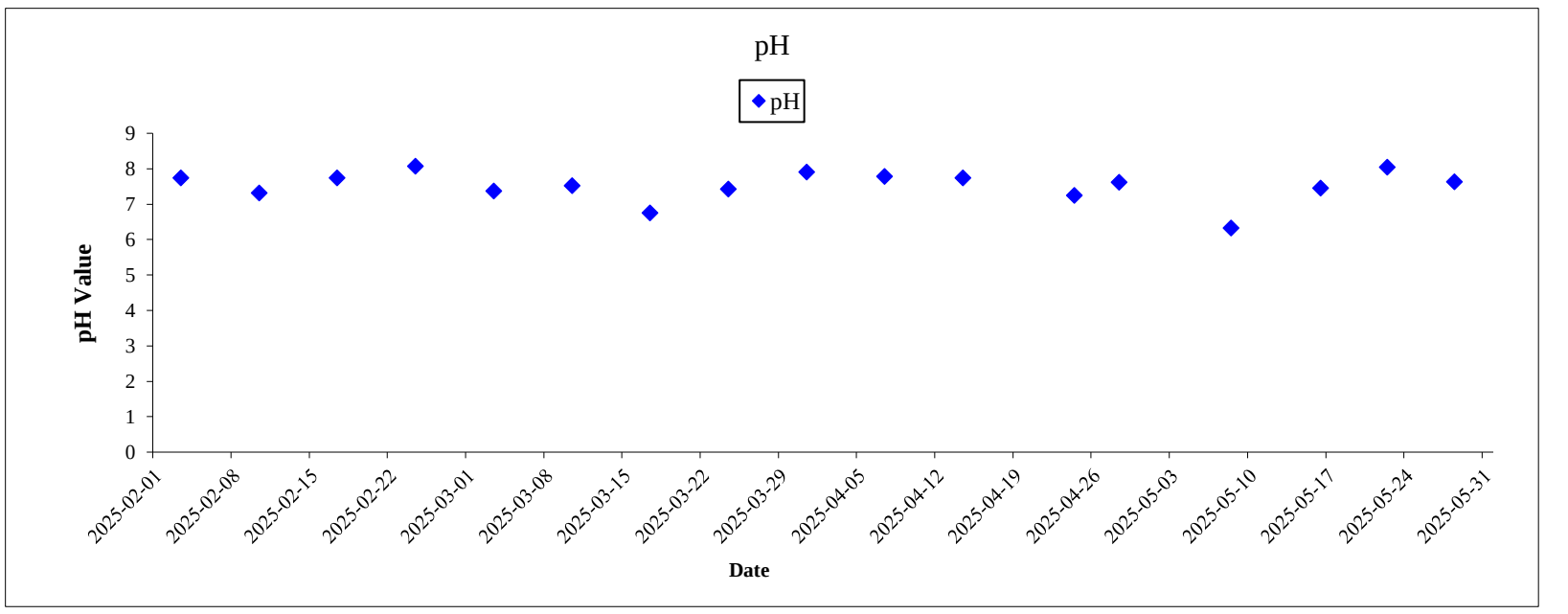
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Water Quality Monitoring Result

Monitoring Location: C3A



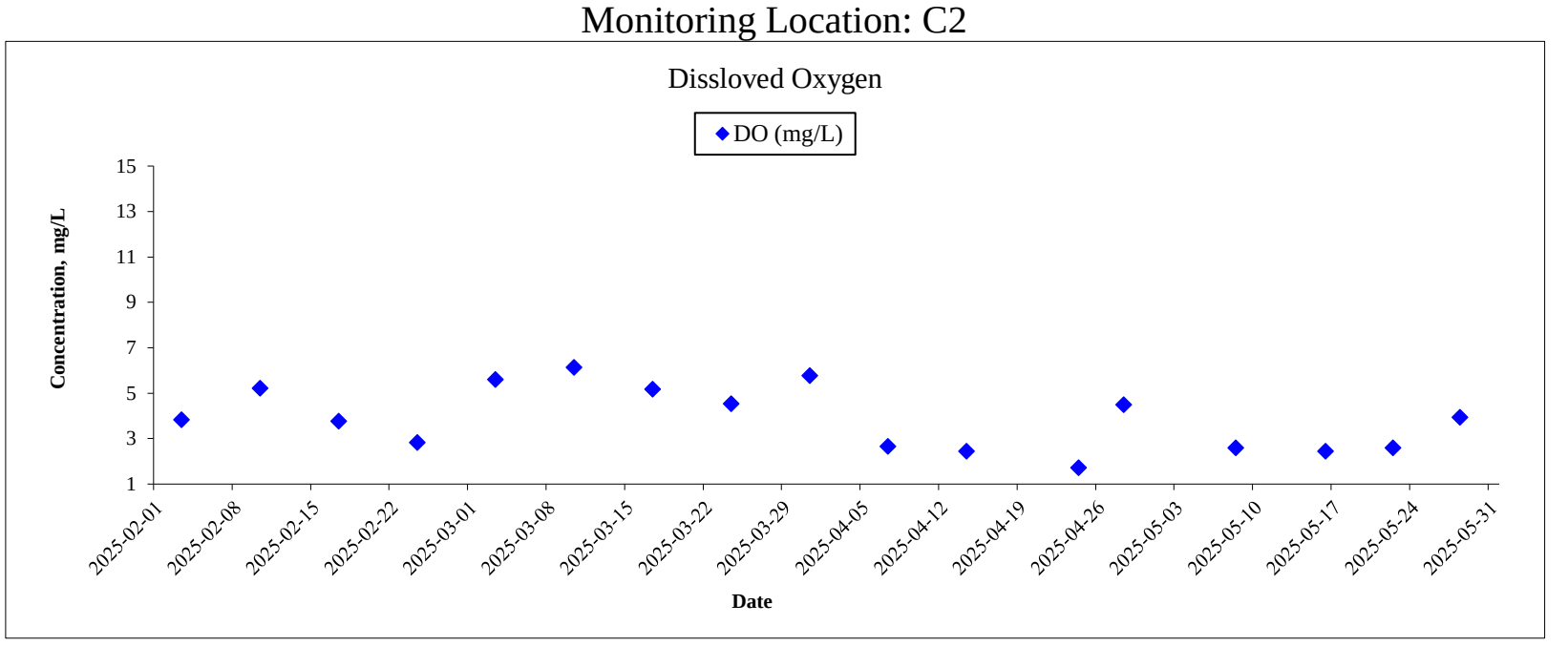


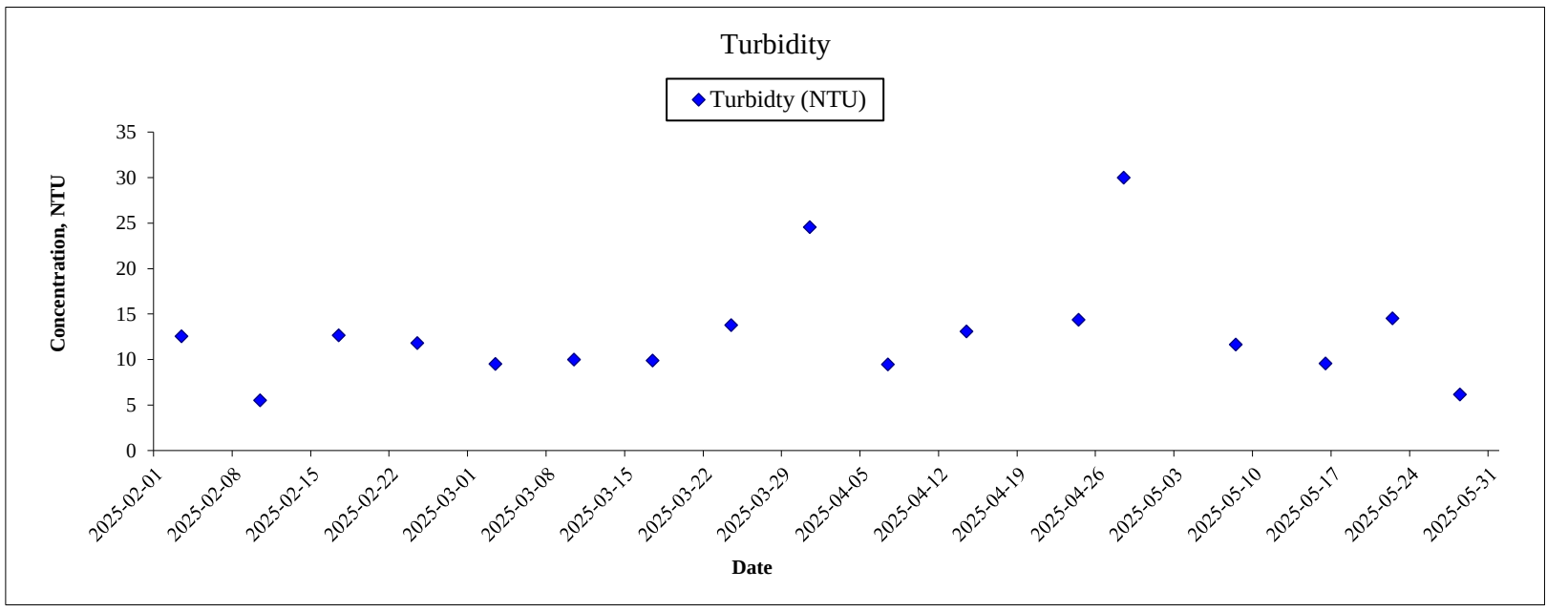


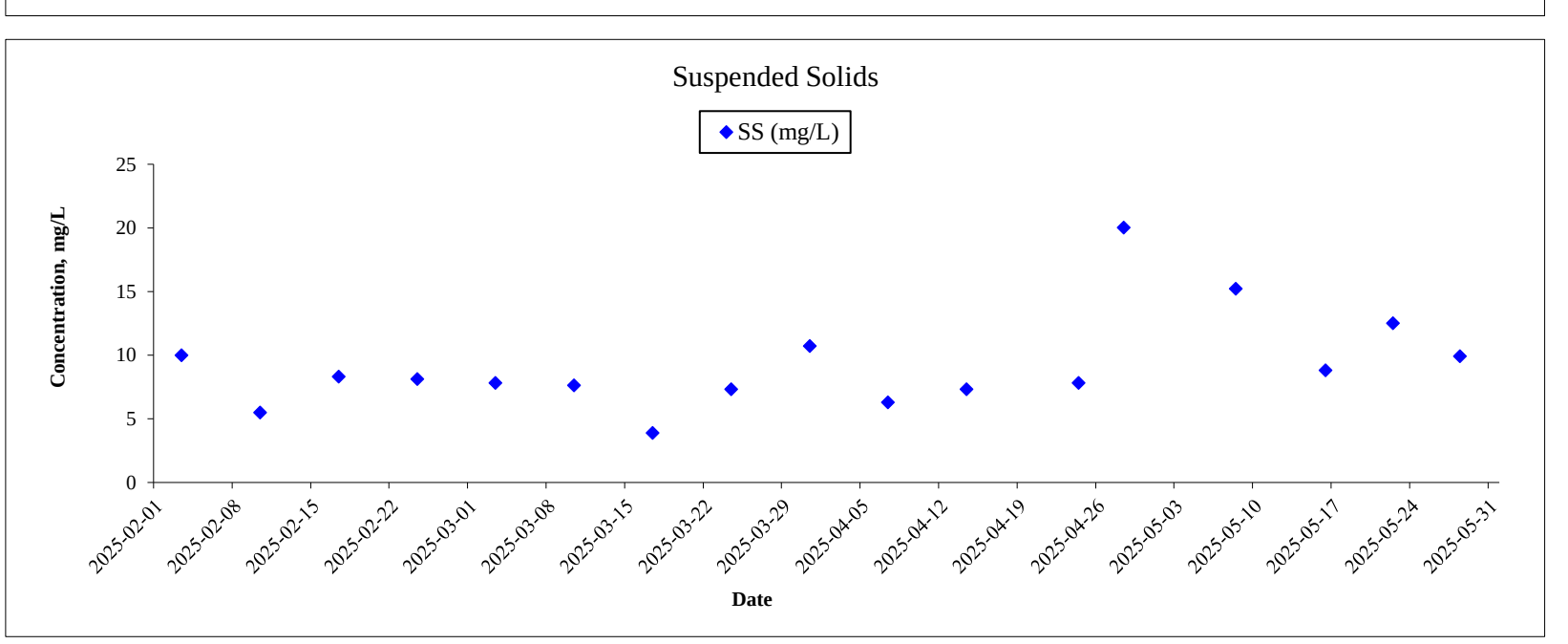


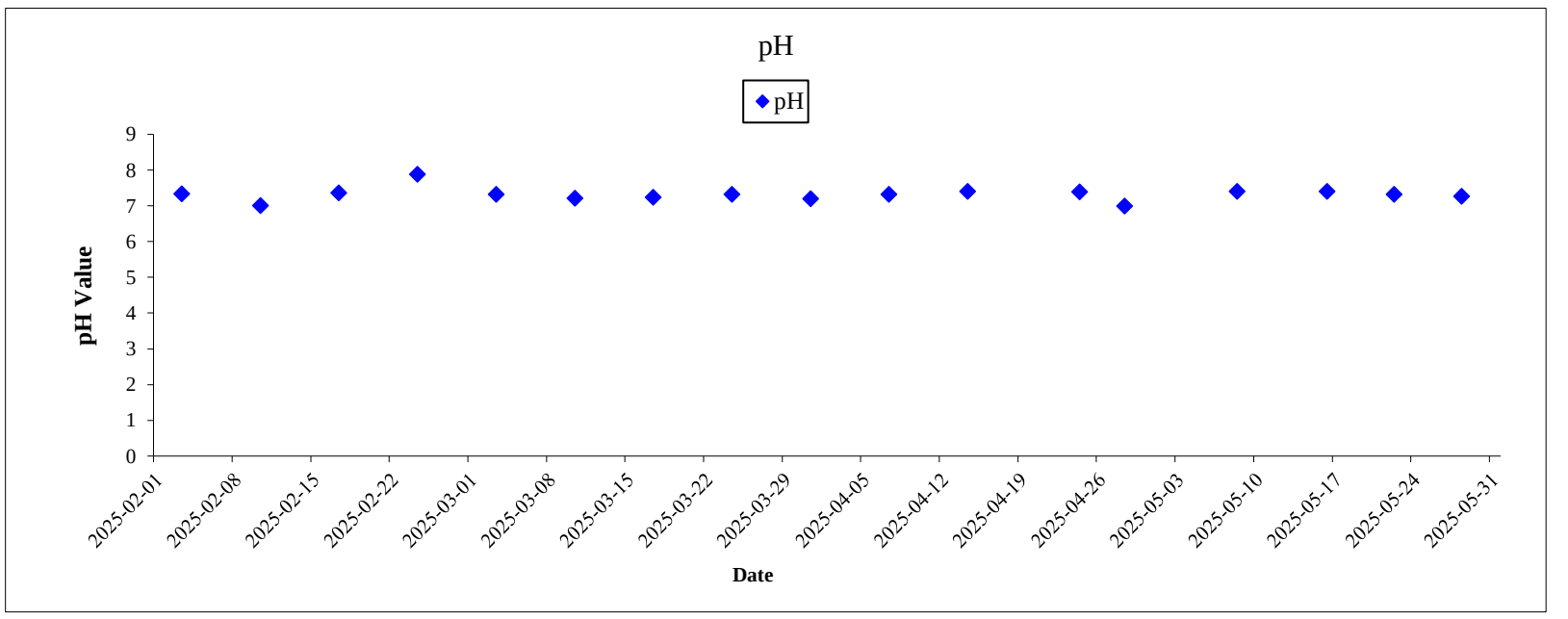
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Water Quality Monitoring Result

Monitoring Location: C2



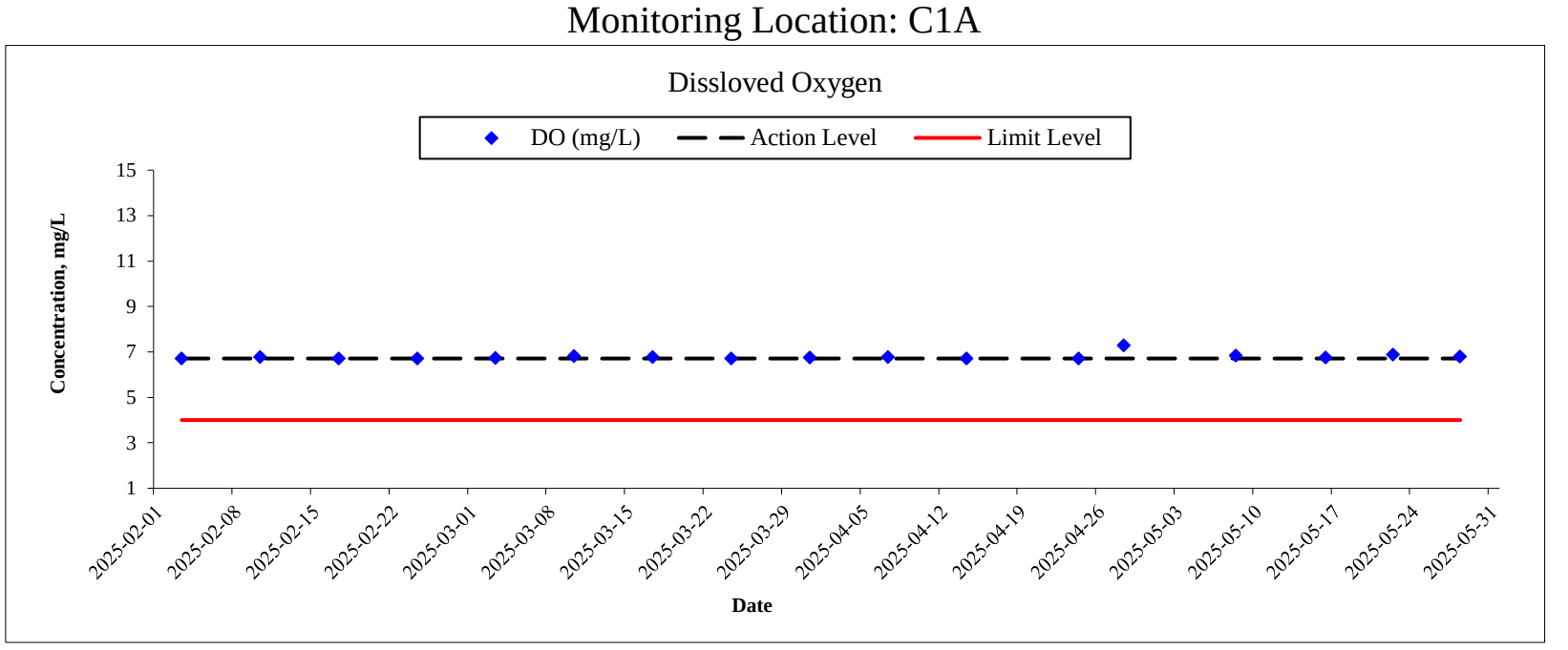


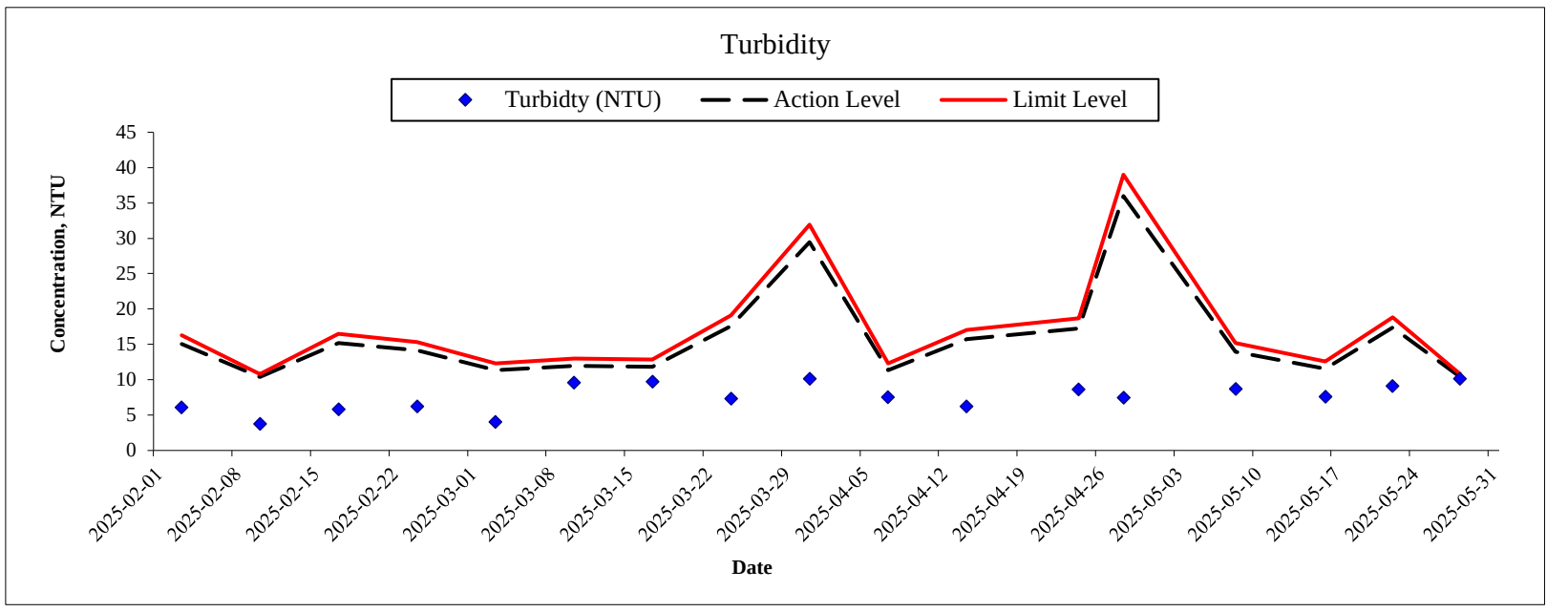


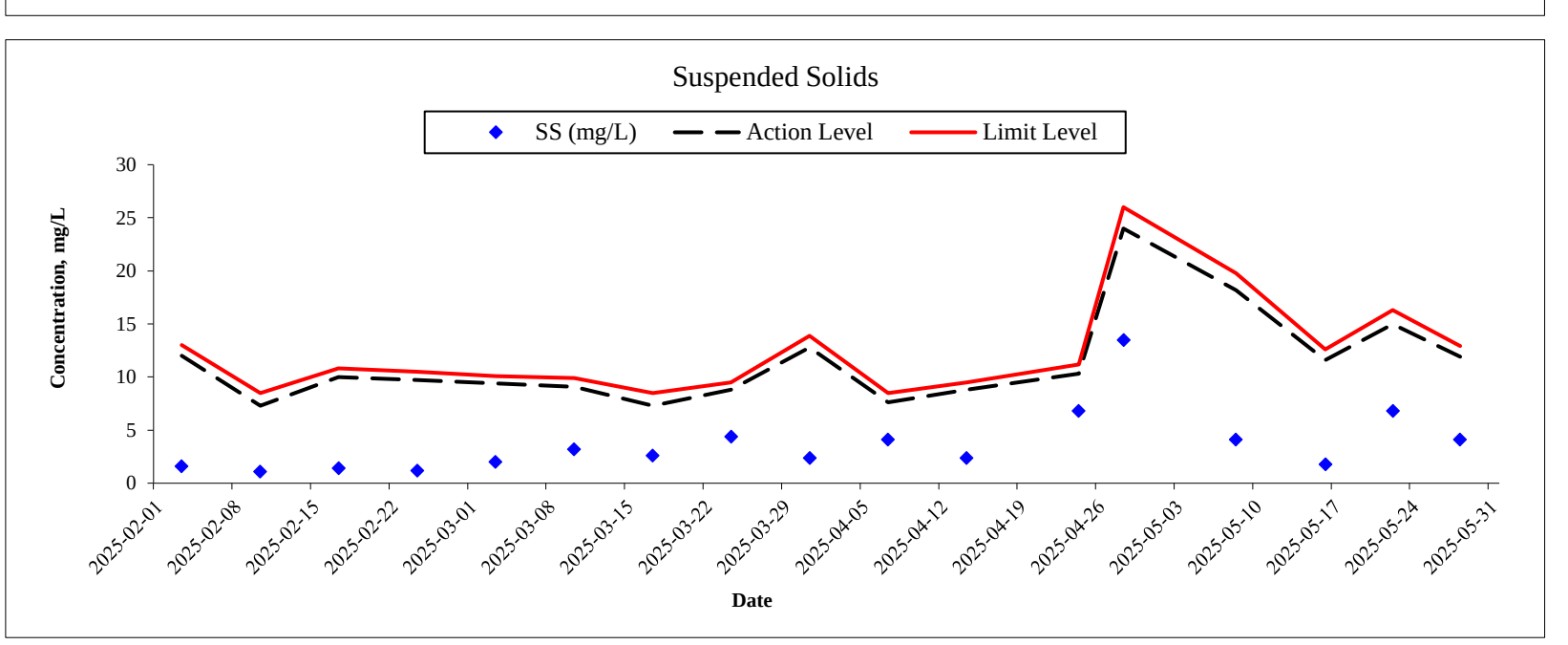


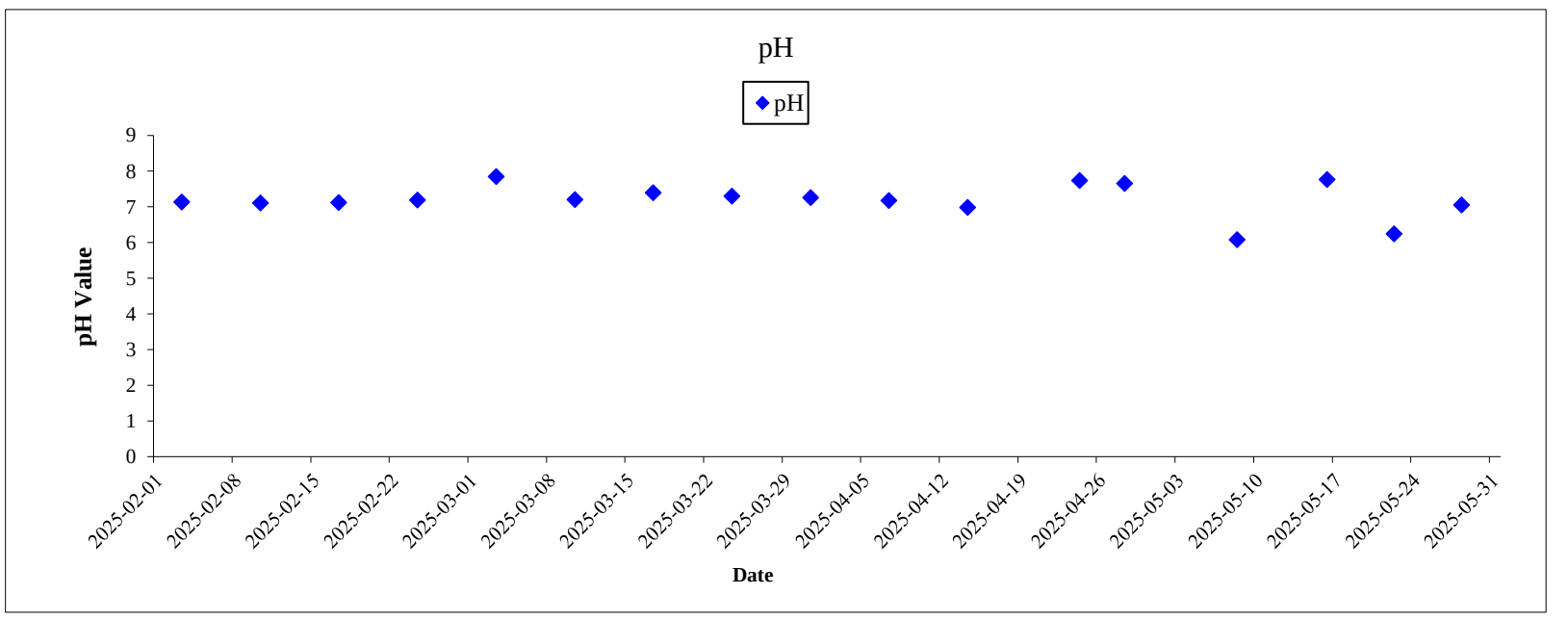
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Water Quality Monitoring Result

Monitoring Location: C1A









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:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B, Manulife Financial Centre,*
	223-231 Wai Yip Street, Kwun Tong,
	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: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **24 July 2024**

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

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:	23.4 °C
Air Pressure:	1005 hPa
Relative Humidity:	56.7 %

4. *Calibration Equipment:*

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV230128	HOKLAS

5. *Calibration Results*

5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	93.9

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

ACOUSTICS AND AIR TESTING LABORATORY (A+A)*L CO LTD.

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Certificate of Calibration

for

Description:	***Sound Level Meter***
Manufacturer:	***SVANTEK***
Type No.:	***971 (Serial No.: C119577)***
Microphone:	***ACO 7052E (Serial No.: 93026)***
Preamplifier:	***SV 18 (Serial No.:103880)***

Submitted by:

Customer:	*Aurecon Hong Kong Limited*
Address:	*Unit 1608, 16/F, Tower B,Manulife Financial Centre,*
	223-231 Wai Yip Street,
	Kwun Tong,Kowloon, Hong Kong

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

☑ **Within (31.5Hz – 4kHz)**
☐ **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: 23 October 2024

Date of calibration: 24 October 2024

Date of NEXT calibration: 23 October 2025

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: 24 October 2024

ACOUSTICS AND AIR TESTING LABORATORY CO. LTD. (A+A)*L

Certificate No.: APJ23-155-CC004

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
Tel: (852) 2668 3423 Fax:(852) 2668 6946
Homepage: http://www.aa-lab.com E-mail : inquiry@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:	25.6 °C
Air Pressure:	1006 hPa
Relative Humidity:	51.8 %

3. *Calibration Equipment:*

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

4. *Calibration Results*

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
25-125.2	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
25-125.2	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.0	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
25-125.2	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
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Homepage: http://www.aa-lab.com E-mail : inquiry@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
25-125.2	dB SPL	Fast	94	31.5	94.3	±2.0
				63	94.2	±1.5
				125	94.1	±1.5
				250	94.1	±1.4
				500	94.1	±1.4
				1000	94.0	Ref
				2000	93.7	±1.6
				4000	93.2	±1.6

A-weighting

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
25-125.2	dBA SPL	Fast	94	31.5	55.0	-39.4 ±2.0
				63	68.1	-26.2 ±1.5
				125	78.1	-16.1 ±1.5
				250	85.5	-8.6 ±1.4
				500	90.8	-3.2 ±1.4
				1000	94.0	Ref
				2000	94.9	+1.2 ±1.6
				4000	94.3	+1.0 ±1.6

C-weighting

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
25-125.2	dBC SPL	Fast	94	31.5	91.4	-3.0 ±2.0
				63	93.4	-0.8 ±1.5
				125	94.0	-0.2 ±1.5
				250	94.1	-0.0 ±1.4
				500	94.1	-0.0 ±1.4
				1000	94.0	Ref
				2000	93.6	-0.2 ±1.6
				4000	92.5	-0.8 ±1.6

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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:

94 dB	31.5 Hz	± 0.10
	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
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.

ACOUSTICS AND AIR TESTING LABORATORY CO LTD. (A+A) *L

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong
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Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com

Appendix 3.2 Event and Action Plan for Noise Exceedance

Event and Action Plan for Noise

Event	ET	IEC	ER	Contractor
Action Level	1. Notify ER, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the IEC and the Contractor and formulate remedial measures; and 5. Increase monitoring frequency to check the effectiveness of mitigation measures.	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; and 3. Advise the ER on the effectiveness of the proposed remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; and 4. Supervise the implementation of remedial measures.	1. Submit noise mitigation proposals to IEC and ER; and 2. Implement noise mitigation proposals.
Limit Level	1. Notify IEC, ER, EPD, and Contractor; 2. Identify source and investigate the cause of exceedance; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Discuss with the IEC, Contractor and ER on remedial measures required; 7. Assess the effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. 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.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; and 5. 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

Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)		
07/05/2025	9:36	-	10:06	Cloudy	63.9	59.2	60.2	60.7	62.4	61.4	61.6	64.6
13/05/2025	9:37	-	10:07	Fine	71.2	69.8	70.4	71.2	67.2	69.9	70.1	73.1
23/05/2025	9:33	-	10:03	Fine	63.4	64.0	64.2	64.8	65.5	64.3	64.4	67.4
29/05/2025	9:36	-	10:06	Cloudy	62.4	65.8	63.1	62.8	61.2	60.7	63.0	66.0
											Max	**Min**
											73.1	64.6

Noise Level Results at HC_M4

Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	
07/05/2025	10:09	-	10:39	Cloudy	67.3	66.1	67.8	66.7	67.8	65.1	66.9
13/05/2025	10:11	-	10:41	Fine	61.3	63.7	62.3	64.5	61.7	61.4	62.7
23/05/2025	9:00	-	9:30	Fine	64.3	63.0	63.4	64.2	63.9	64.1	63.8
29/05/2025	10:09	-	10:39	Cloudy	62.1	64.9	63.7	62.2	61.6	61.5	62.9
										Max	**Min**
										66.9	62.7

Noise Level Results at HC_M6

Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	
07/05/2025	9:00	-	9:30	Cloudy	62.5	63.1	62.4	64.7	62.1	61.7	62.9
13/05/2025	9:00	-	9:30	Fine	69.8	69.5	68.3	70.2	69.7	69.3	69.5
23/05/2025	8:24	-	8:54	Fine	60.5	59.8	62.2	61.4	59.0	60.7	60.7
29/05/2025	9:00	-	9:30	Cloudy	62.8	62.5	64.6	61.3	62.1	62.5	62.8
										Max	**Min**
										69.5	60.7

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

Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	
07/05/2025	10:48	-	11:18	Cloudy	57.3	58.8	58.1	57.2	58.4	57.9	58.0
13/05/2025	10:46	-	11:16	Fine	56.1	55.2	55.3	54.7	54.4	53.9	55.0
23/05/2025	12:55	-	13:25	Fine	64.4	63.2	59.1	62.0	62.5	58.7	62.1
29/05/2025	10:47	-	11:17	Cloudy	55.4	55.2	55.3	55.1	55.3	54.6	55.2
										Max	**Min**
										62.1	55.0

Noise Level Results at LFT_M3A

Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)		
07/05/2025	11:23	-	11:53	Cloudy	60.2	63.1	62.7	62.5	63.4	61.1	62.3	65.3
13/05/2025	11:24	-	11:54	Fine	51.5	51.7	52.4	50.1	49.3	50.7	51.1	54.1
23/05/2025	12:15	-	12:45	Fine	54.2	53.5	55.1	53.5	56.0	54.7	54.6	57.6
29/05/2025	11:22	-	11:52	Cloudy	50.3	52.3	52.6	54.2	52.1	52.7	52.5	55.5
											Max	**Min**
											65.3	54.1

Noise Level Results at LFT_M5

Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	
07/05/2025	13:00	-	13:30	Cloudy	55.5	50.4	53.5	53.2	52.8	51.1	53.1
13/05/2025	13:00	-	13:30	Fine	52.7	51.2	51.6	51.3	51.2	51.2	51.6
23/05/2025	11:40	-	12:10	Fine	55.7	55.4	54.8	54.9	54.2	53.9	54.9
29/05/2025	13:00	-	13:30	Cloudy	52.2	52.4	51.3	52.3	51.3	50.1	51.7
										Max	**Min**
										54.9	51.6

Noise Level Results at LFT_M6

Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	
07/05/2025	13:34	-	14:04	Cloudy	53.7	58.3	57.4	56.1	54.8	52.4	55.9
13/05/2025	13:35	-	14:05	Fine	60.6	61.3	60.7	61.3	62.2	58.1	60.9
23/05/2025	11:08	-	11:38	Fine	63.2	62.4	61.9	62.6	63.0	62.4	62.6
29/05/2025	13:33	-	14:03	Cloudy	61.3	61.2	61.5	60.6	61.2	59.9	61.0
										Max	**Min**
										62.6	55.9

Noise Level Results at LFT_M11

Date	Time			Weather	Leq-5min, dB(A)						30min, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	
07/05/2025	14:09	-	14:39	Cloudy	60.4	60.5	60.7	61.2	61.7	60.3	60.8
13/05/2025	14:10	-	14:40	Fine	61.2	62.4	60.3	61.5	63.5	62.2	62.0
23/05/2025	10:28	-	10:58	Fine	60.5	61.7	59.9	60.5	62.1	61.8	61.2
29/05/2025	14:08	-	14:38	Cloudy	60.2	62.4	61.1	61.5	61.2	60.8	61.3
										Max	**Min**
										62.0	60.8

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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

Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	
07/05/2025	15:30	-	16:00	Cloudy	55.3	55.1	56.2	55.4	55.7	55.2	55.5
13/05/2025	15:30	-	16:00	Fine	55.1	55.6	53.4	55.2	53.4	55.1	54.7
23/05/2025	15:19	-	15:49	Fine	60.6	60.5	61.2	60.2	60.7	60.9	60.7
29/05/2025	15:28	-	15:58	Cloudy	55.1	55.1	55.2	55.1	54.9	55.2	55.1
										Max	**Min**
										60.7	54.7

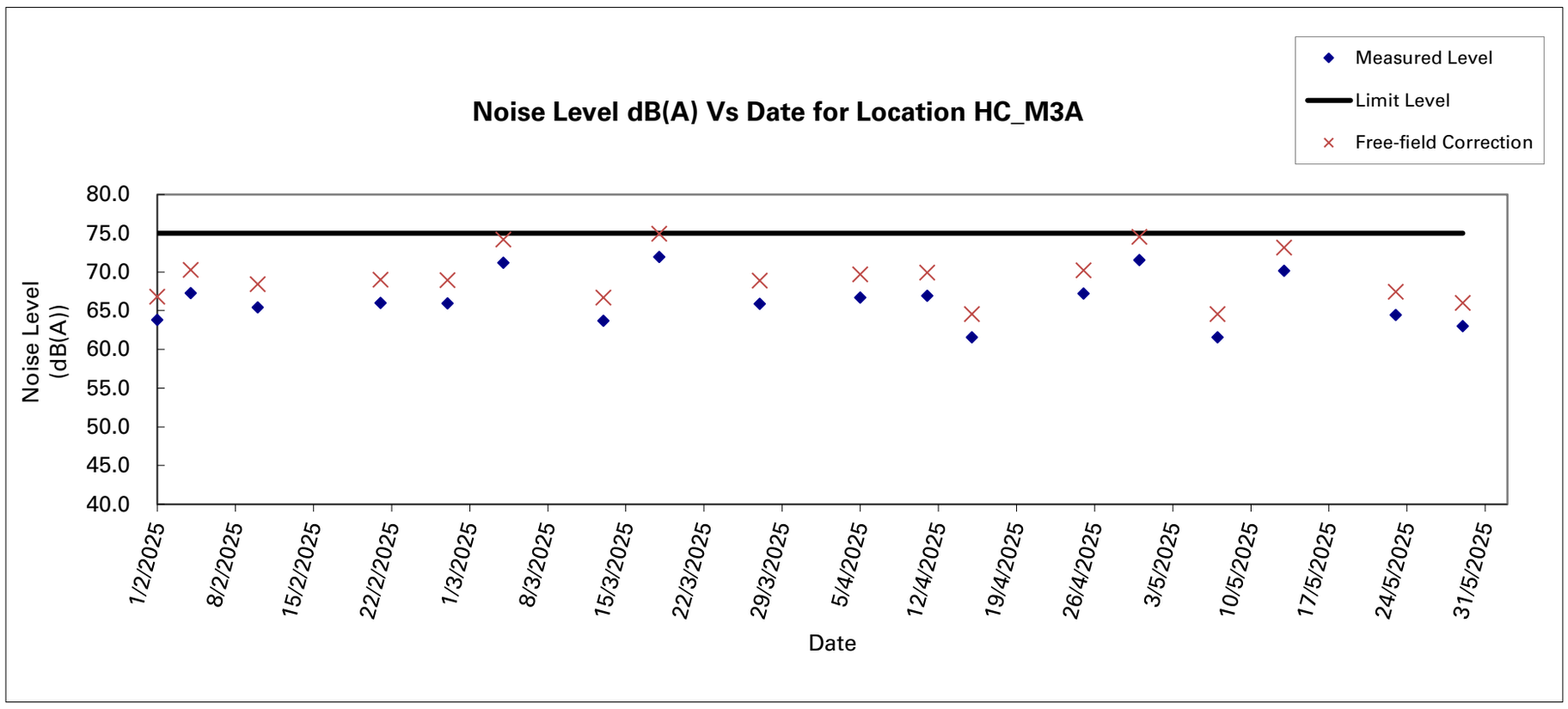
Noise Level Results at SSNV_M3

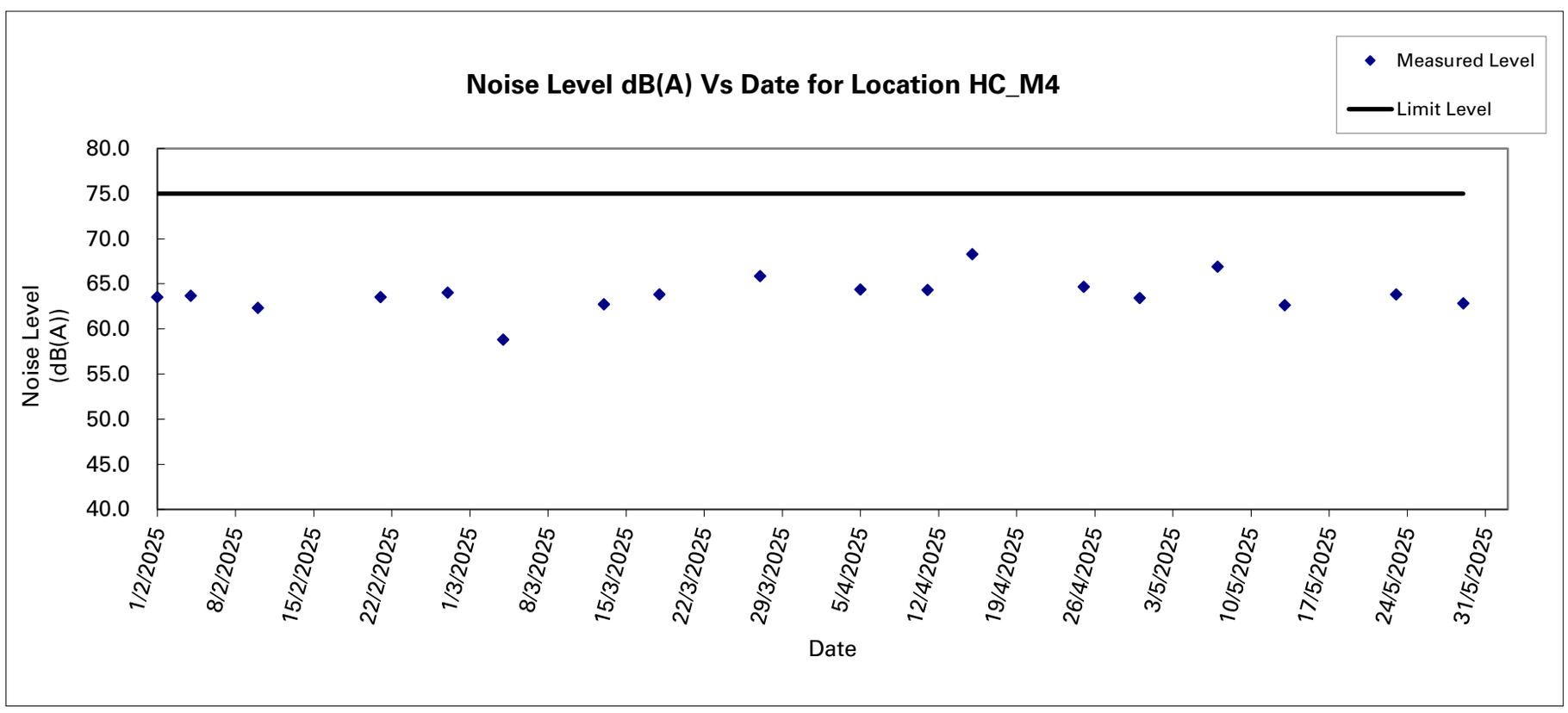
Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	
07/05/2025	16:02	-	16:32	Cloudy	55.1	55.5	55.5	54.8	55.6	54.1	55.1
13/05/2025	16:03	-	16:33	Fine	51.2	51.4	51.0	51.4	51.8	51.1	51.3
23/05/2025	15:50	-	16:20	Fine	60.7	61.6	59.9	61.6	60.0	60.6	60.8
29/05/2025	16:00	-	16:30	Cloudy	55.1	55.1	55.3	55.1	55.2	55.1	55.2
										Max	**Min**
										60.8	51.3

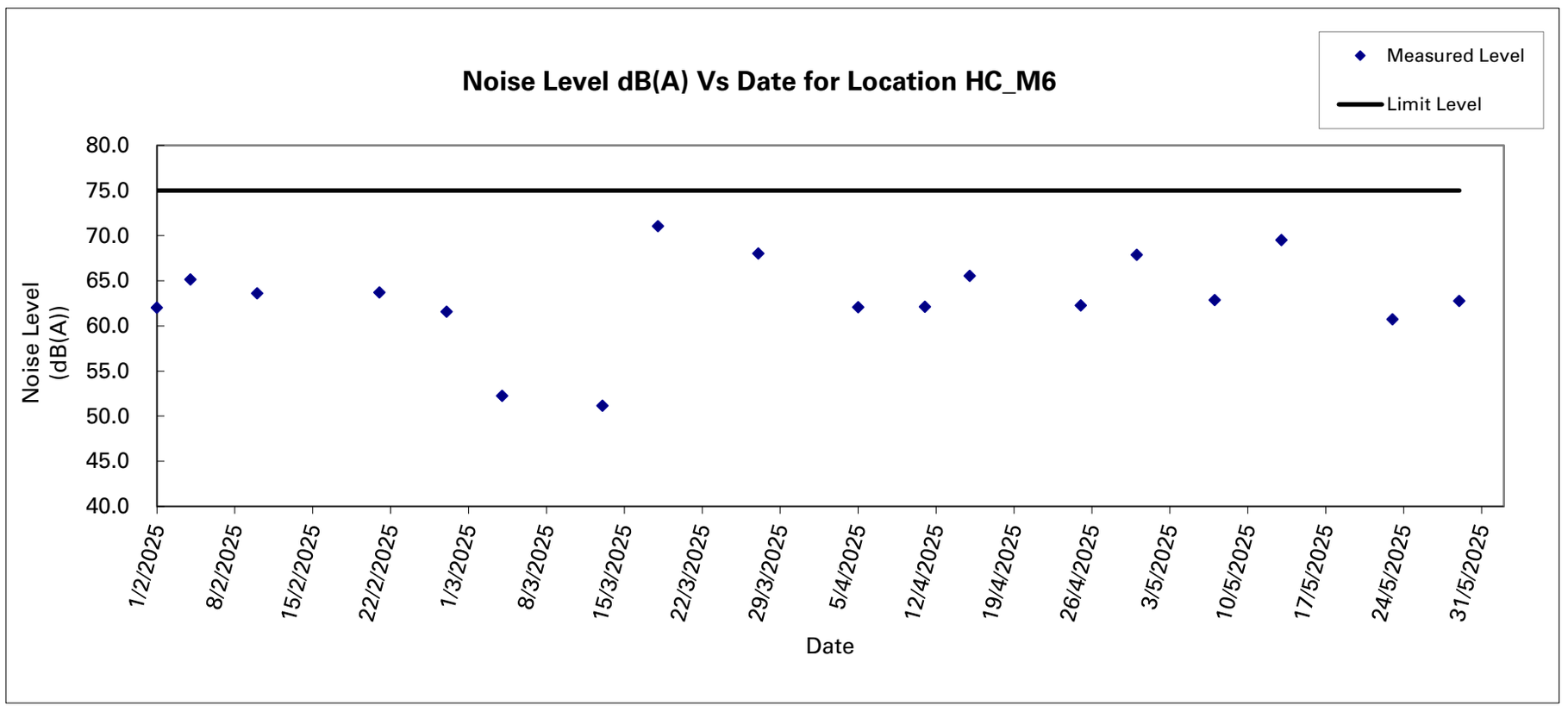
Noise Level Results at SSNV_M6

Date	Time			Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)
					Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)		
07/05/2025	14:55	-	15:25	Cloudy	49.5	49.3	49.1	49.1	48.2	48.1	48.9	51.9
13/05/2025	14:55	-	15:25	Fine	45.3	45.2	46.4	47.5	46.6	45.4	46.2	49.2
23/05/2025	14:35	-	15:05	Fine	58.9	59.0	57.8	59.0	60.4	61.0	59.5	62.5
29/05/2025	14:53	-	15:23	Cloudy	45.3	45.1	44.9	45.6	45.3	45.1	45.2	48.2
											Max	**Min**
											62.5	48.2

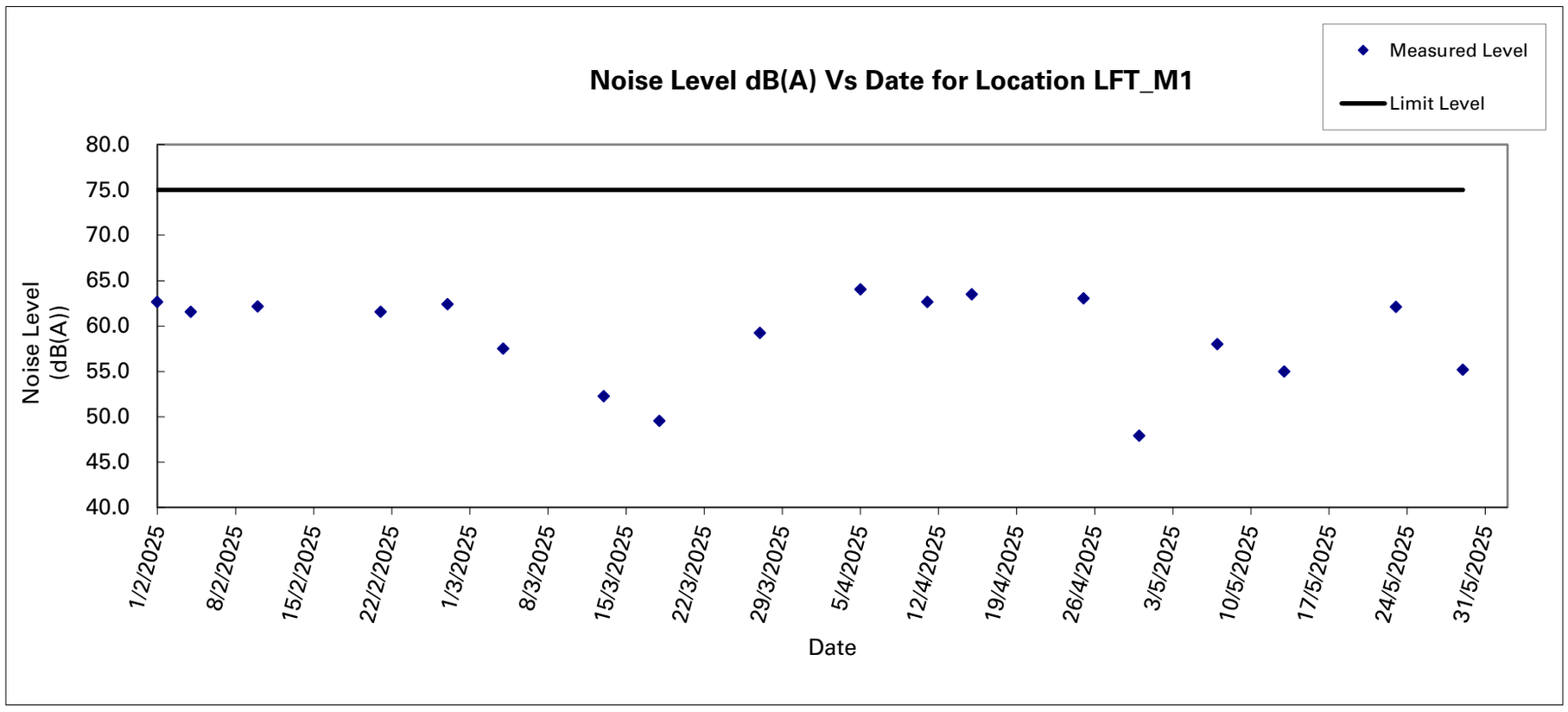
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Noise Monitoring Result

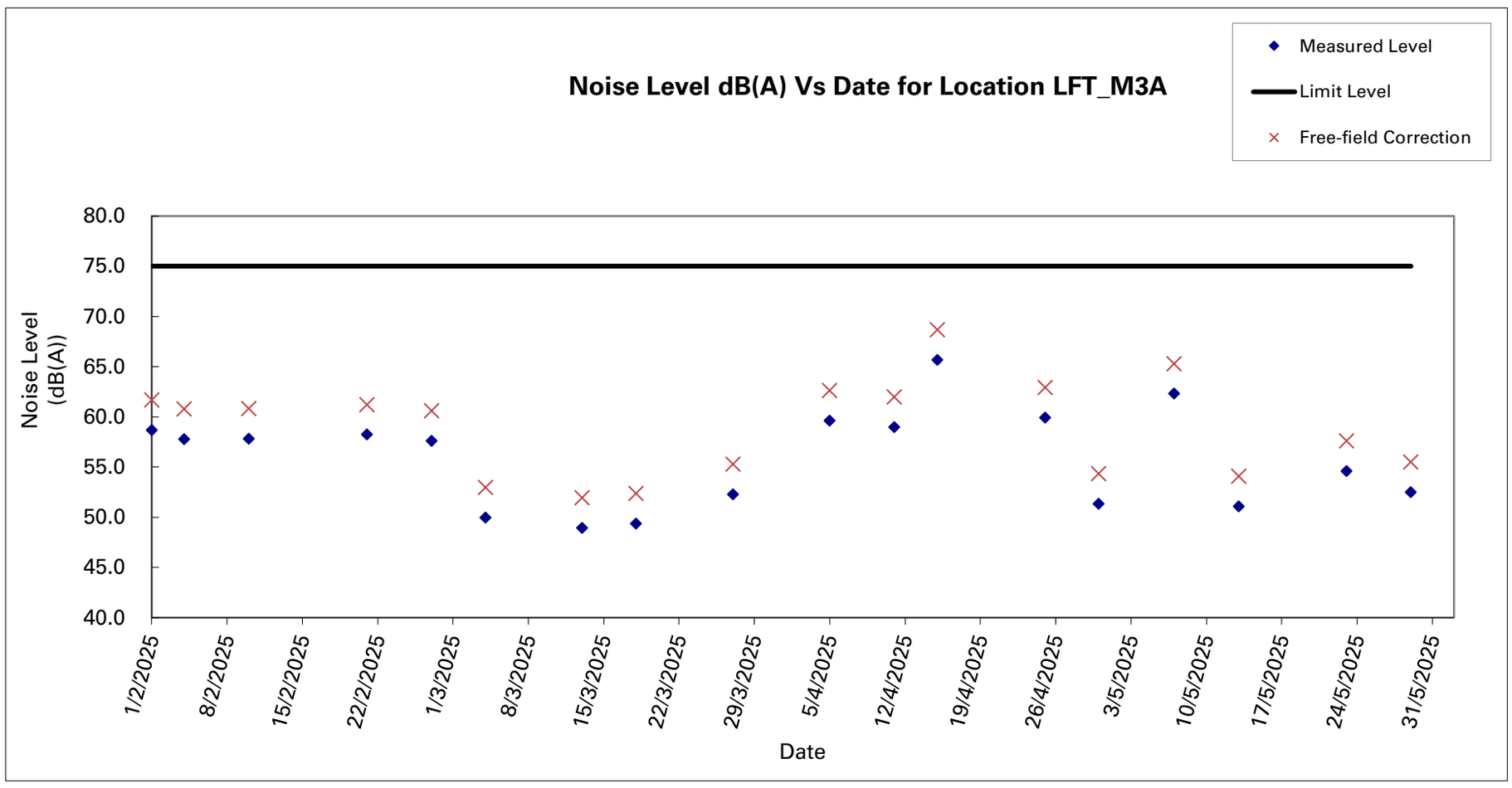


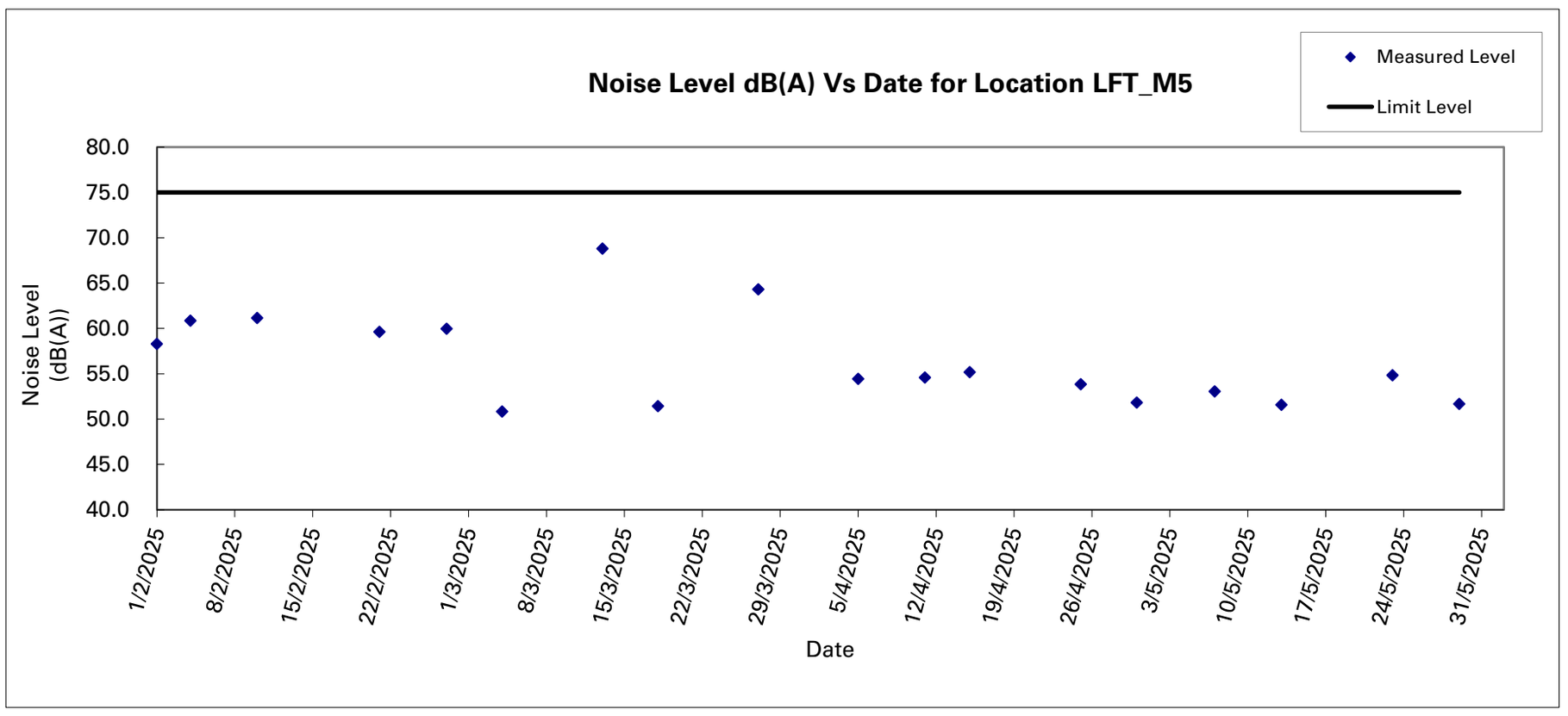




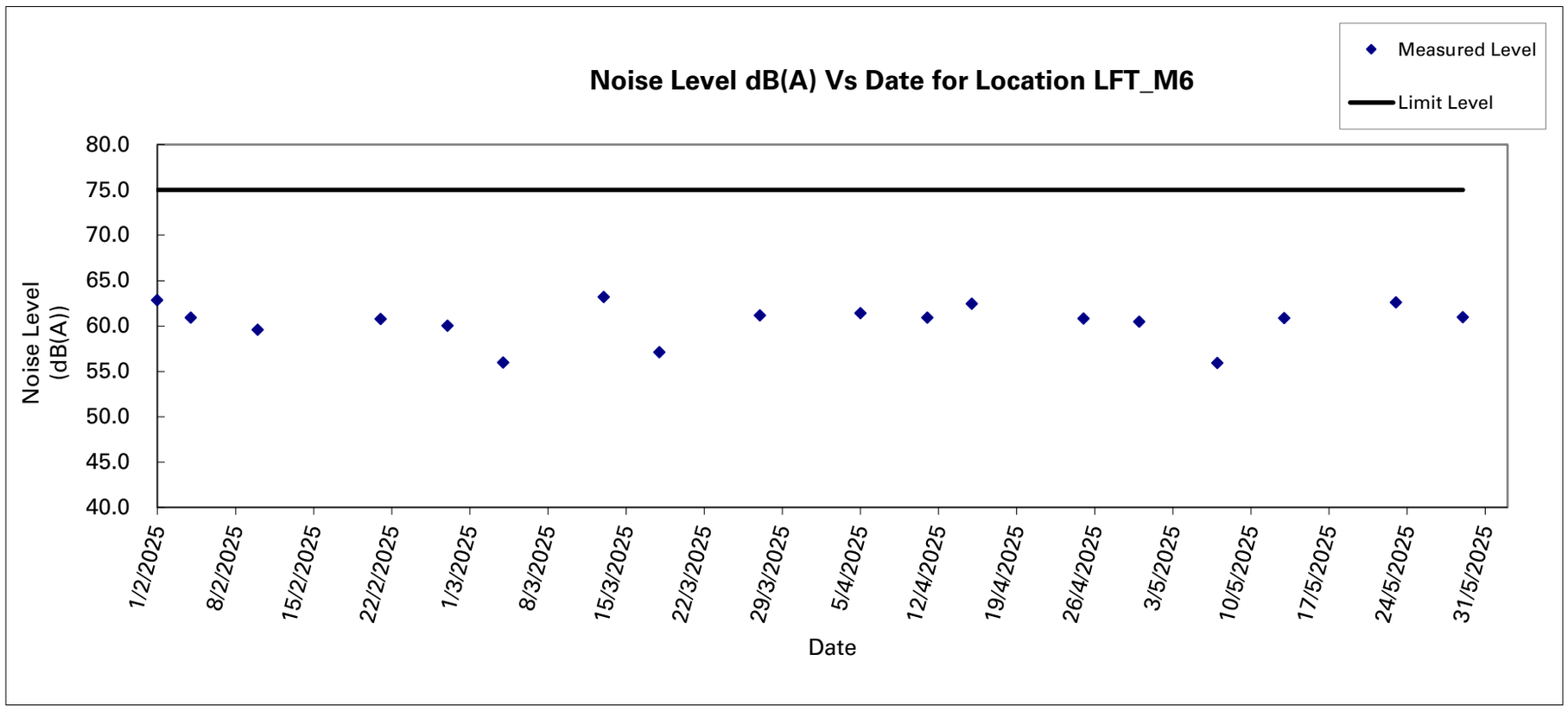
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Noise Monitoring Result

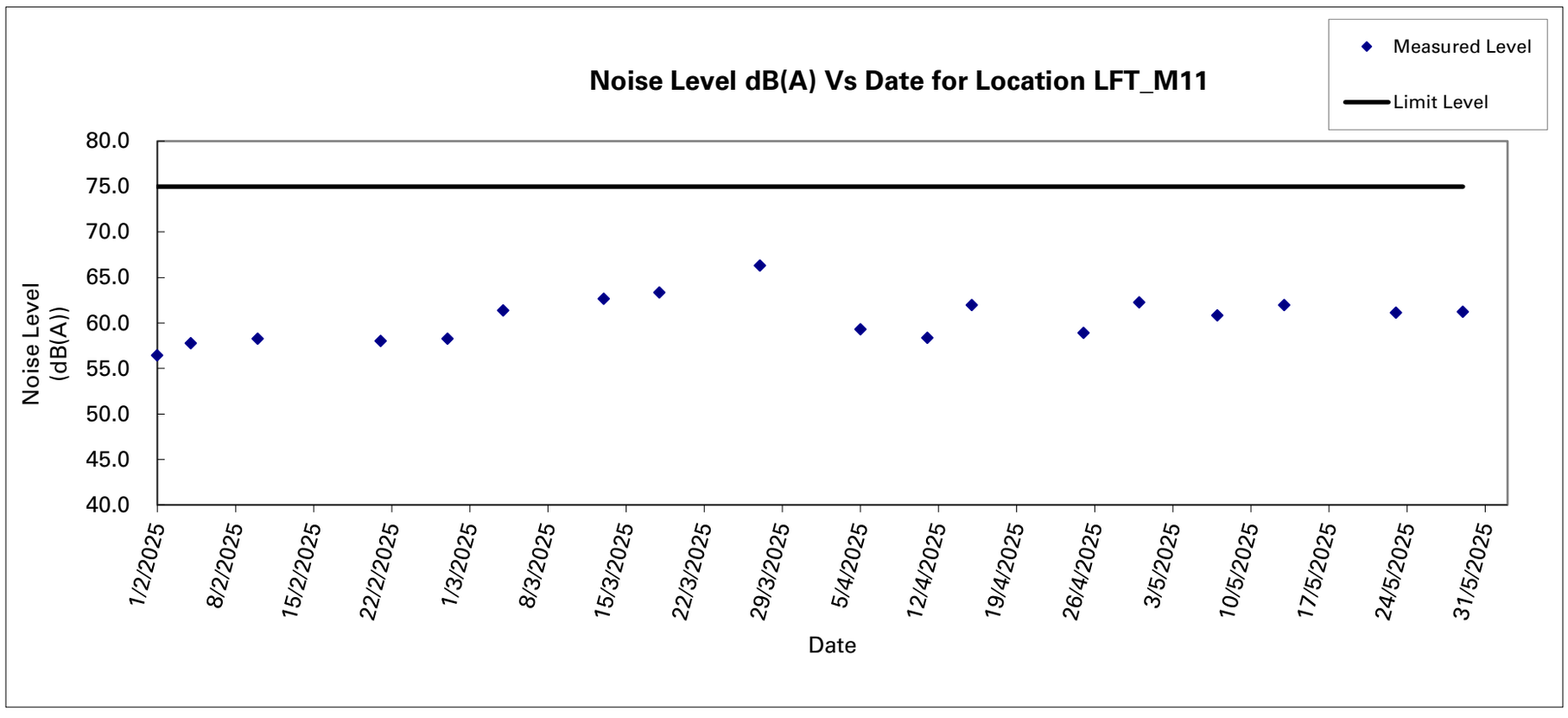




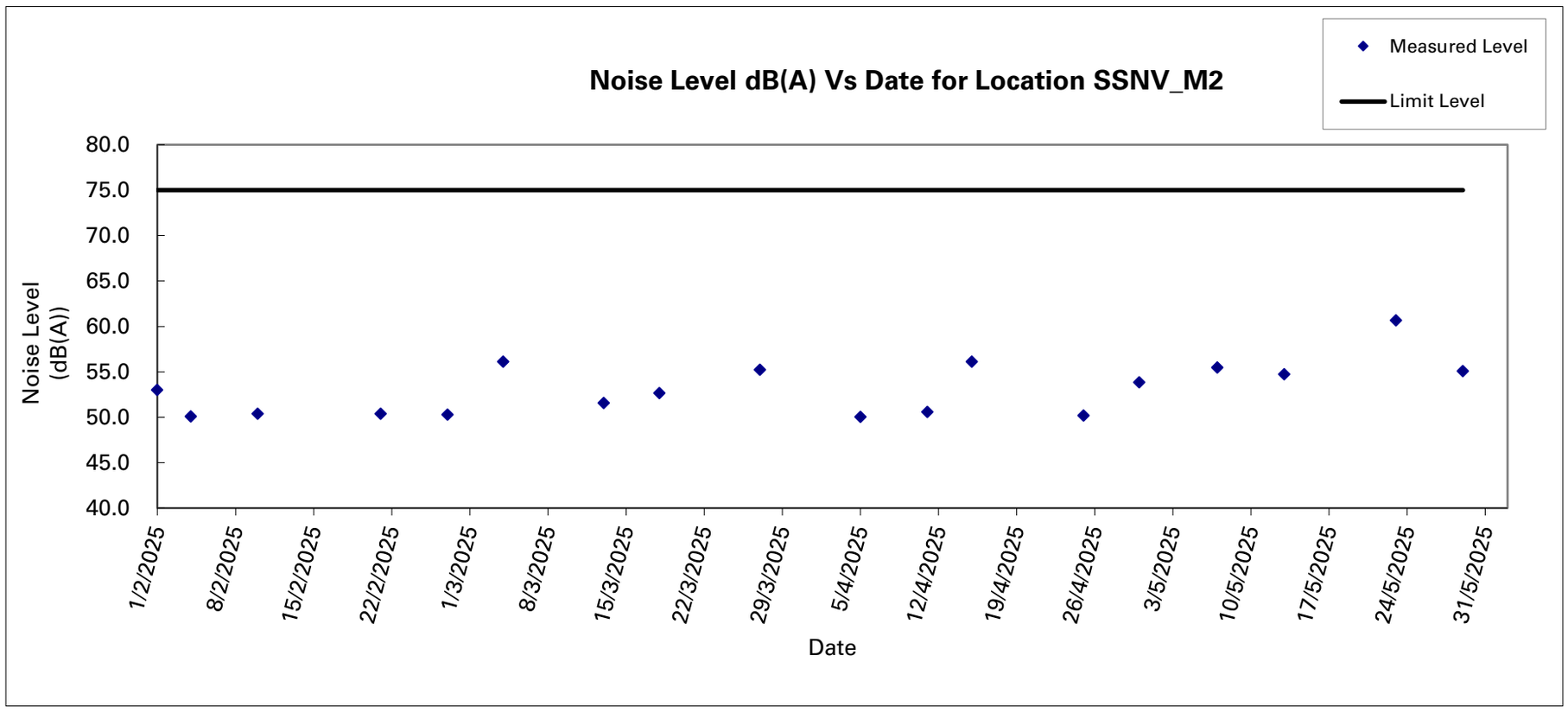


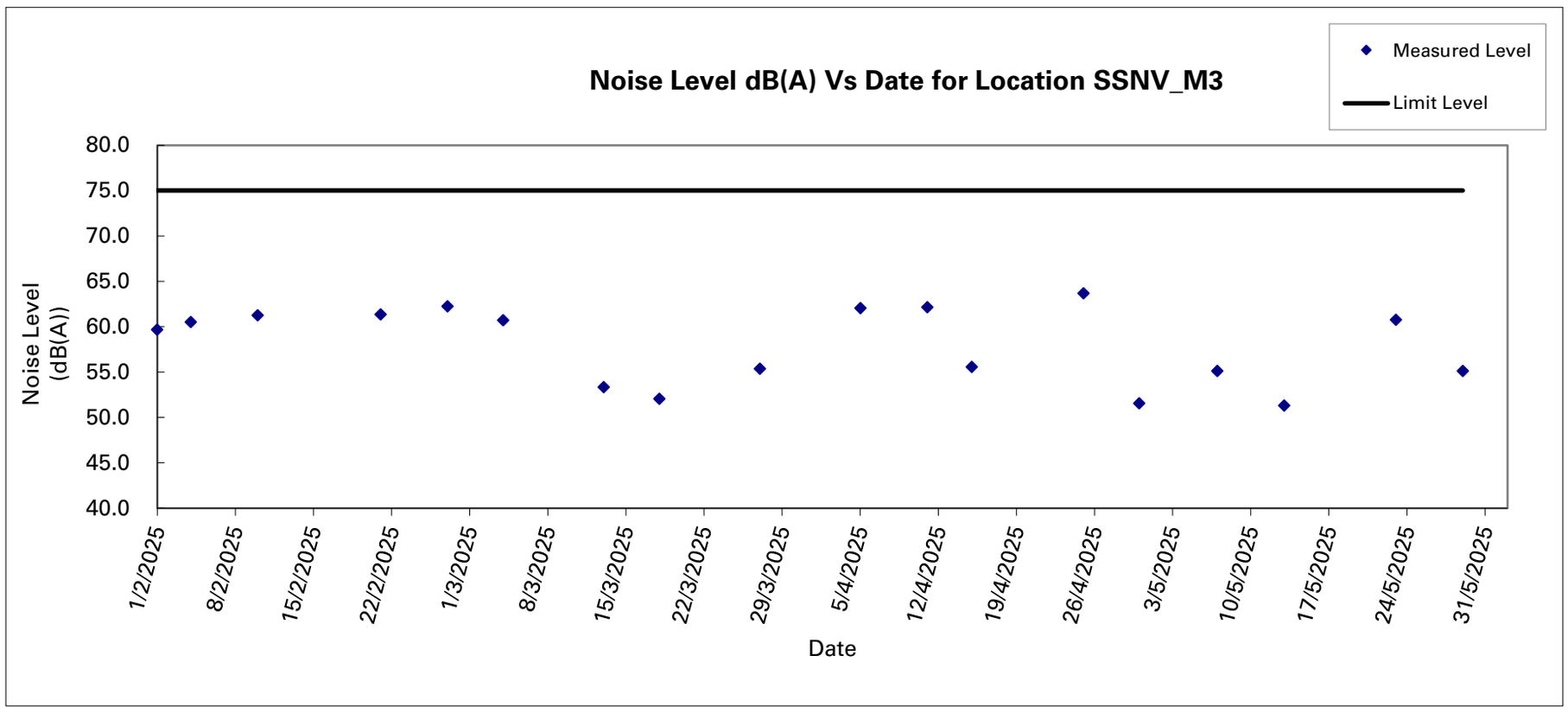
Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Noise Monitoring Result

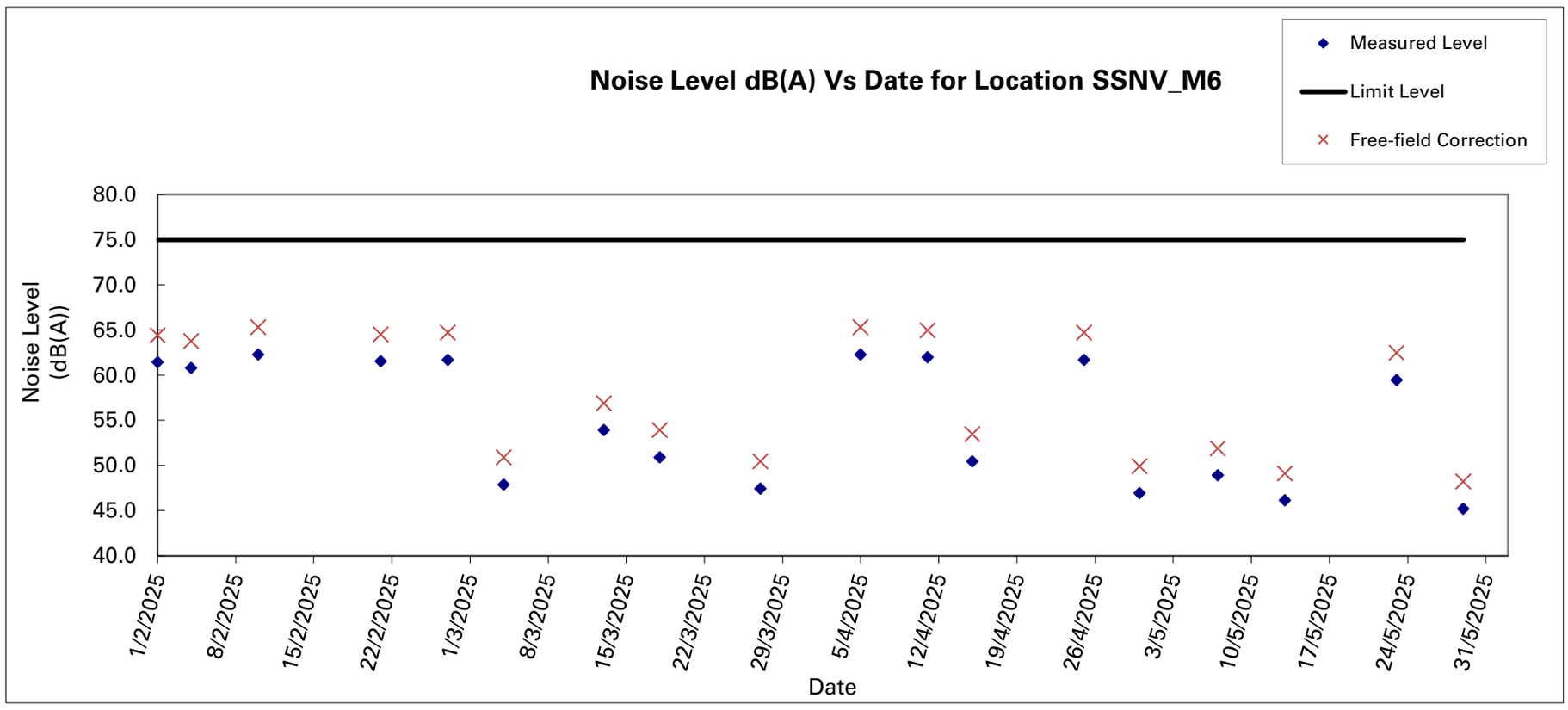




Contract No. DC/2022/02
Drainage Improvement Works at Yuen Long -
Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che
Noise Monitoring Result







Appendix 5.1 Waste Flow Table

Name of Department : Drainage Services Department

Contract No. : DC/2022/02

Monthly Summary Waste Flow Table for 2025

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Materials Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastic	Chemical Waste	Others, e.g. General Refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	2.212	0.205	0.000	0.000	2.007	0.000	0.000	0.000	0.000	0.000	0.009
Feb	0.439	0.081	0.000	0.000	0.358	0.000	0.000	0.000	0.000	0.000	0.014
Mar	0.550	0.048	0.000	0.000	0.501	0.000	0.000	0.000	0.000	0.000	0.021
Apr	0.511	0.098	0	0	0.413	0	0	0	0	0	0.055
May	0.249	0.031	0.000	0.000	0.219	0.000	0.000	0.000	0.000	0.000	0.026
Jun											
Sub-total	**3.961**	**0.464**	**0.000**	**0.000**	**3.498**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.126**
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											
Total	**3.961**	**0.464**	**0.000**	**0.000**	**3.498**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.126**

Appendix 10.1 Complaint Log

Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics		
	Frequency	Cumulative	Complaint Nature
1 May 2025 - 31 May 2025	0	5	N/A

Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics		
	Frequency	Cumulative	Details
1 May 2025 - 31 May 2025	0	0	N/A

Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics		
	Frequency	Cumulative	Details
1 May 2025 - 31 May 2025	0	0	N/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 1)

June 2025

Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	2	3 Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M6, LFT_M11	4	5	6 Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	7
8	9	10	11	12 Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M6, LFT_M11 Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	13	14
15	16	17	18 Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M6, LFT_M11 Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	19	20	21
22	23 Noise monitoring at SSNV_M2, SSNV_M3, SSNV_M6, HC_M3A, HC_M4, HC_M6, LFT_M1, LFT_M3A, LFT_M5, LFT_M6, LFT_M11	24 Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10	25	26	27	28
29	30 Water quality monitoring at C1A, C2, C3A, C6, C7A, C8, C9 and C10					

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_M6, 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 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 2025 and September 2025. Thus, impact noise monitoring and impact water quality monitoring at Tai Wo will be suspended between April 2025 and September 2025.
3. As approved by the EPD that the frequency of water monitoirng at Ha Che, Lin Fa Tei and Sung Shan New Village has been changed from three times per week to once per week.

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