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

**Verification of Quarterly EM&A Report (Feb 2026 to Apr 2026)**

8 June 2026

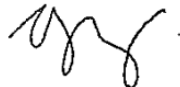
Dear Sir,

We refer to the Quarterly EM&A Report under the captioned Project, which was provided by the Environmental Team on 8 June 2026 and certified by the Environmental Team Leader appointed under Condition 2.1 of the Environmental Permit No. EP-596/2021/A (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 Condition 1.9 and Section 12.3 under the Updated EM&A Manual.

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

Yours faithfully  
for MOTT MACDONALD HONG KONG LIMITED



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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**

Quarterly Environmental  
Monitoring and Audit (EM&A)  
Report – February 2026 to April  
2026

**Wing Tat Civil Engineering Co.  
Limited**

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**aurecon**

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to life*

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# Executive Summary

- A1. Drainage Services Department (DSD) has appointed Aurecon Hong Kong Limited (Aurecon) to undertake the Environmental Team services for the project and implement the EM&A works.
- A2. The construction works commenced on 20 February 2024.
- A3. This 9<sup>th</sup> Quarterly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. DC/2022/02 Drainage Improvement Works at Yuen Long – Stage 2 (hereinafter called the “Contract”). The report summaries the findings of the EM&A programme during the reporting period from 1 February 2026 to 30 April 2026.

## Key Construction Works in the Reporting Period

- A4. 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 piling & 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; and
- Sheet piling & 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 piling & backfilling and compaction; and
- Removal of sheet piles, drain laying works, reinstatement.

### Tai Wo

- Site clearance;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;
- Removal of sheet piles, drain laying works, reinstatement; and
- No construction activities (from 1 April 2026 to 30 April 2026).

## **Breaches of Environmental Quality Performance Limits**

### Water Quality

A5. No Action Level or Limit Level exceedance was recorded for water quality monitoring during the reporting period.

### Noise

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

### Built Heritage

A7. No monitoring exceedance was recorded in the reporting period.

## **Complaint Log**

A8. No environmental complaint was received in the reporting period.

## **Notification of Summons and Successful Prosecutions**

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

## **Reporting Changes**

A10. Variation of Environmental Permit (No. EP-596/2021/A) was issued by EPD on 30 April 2026.

# 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. Variation of Environmental Permit (No. EP-596/2021/A) was issued by EPD on 30 April 2026.

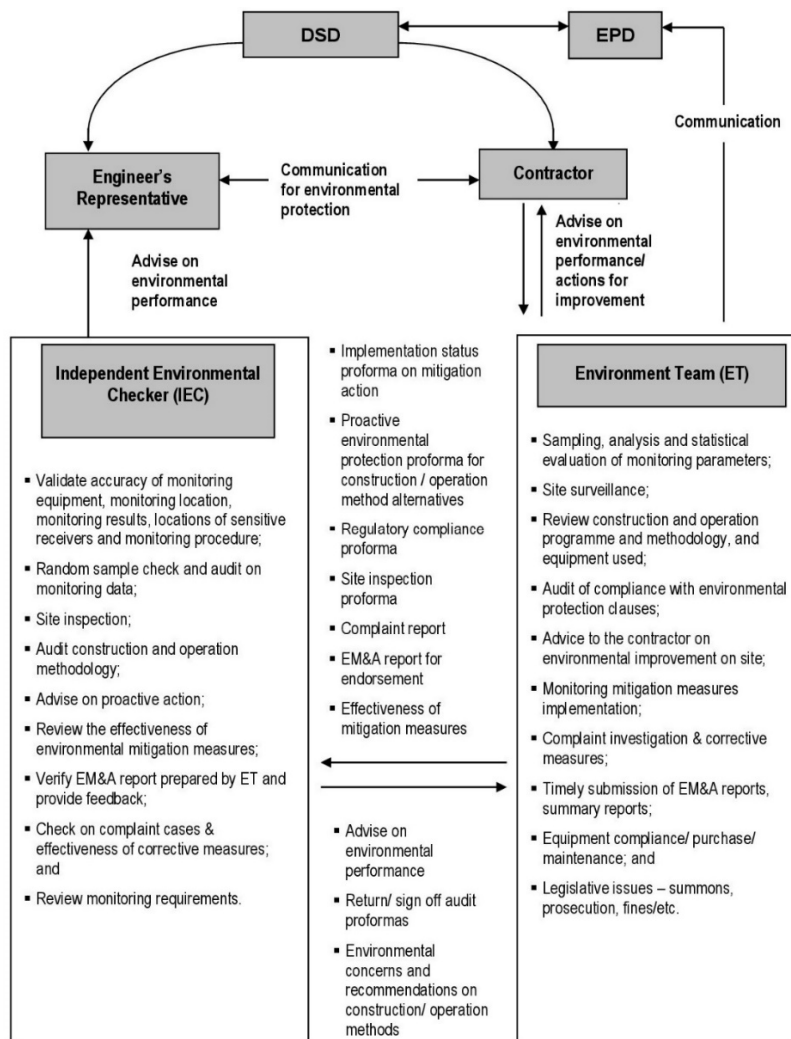
- 1.1.6 Aurecon Hong Kong Limited (Aurecon) is commissioned by the Wing Tat Civil Engineering Co. Limited to undertake the Environmental Team (ET) services and carry out the Environmental Monitoring and Audit (EM&A) for Drainage Improvement Works Near Four Villages in Yuen Long - Sung Shan New Village, Tai Wo, Lin Fa Tei and Ha Che (Register No. EP-596/2021/A).
- 1.1.7 This is the 9<sup>th</sup> Quarterly EM&A Report summarizing the key findings of the construction phase EM&A programme from 1 February 2026 to 30 April 2026 (the reporting period) and is submitted to fulfil the requirements in Section 12.3 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 work 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.

## 1.5 Works undertaken during the Period

1.5.1 The main construction works carried out in the reporting period were as below.

### Ha Che

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

### Lin Fa Tei

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

#### Sung Shan New Village

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

#### Tai Wo

- Site clearance;
- Excavation and Lateral Support, relocate/ divert utilities, rebar fixing, formwork erection and cast-in, concreting;
- Removal of sheet piles, drain laying works, reinstatement; and
- No construction activities (from 1 April 2026 to 30 April 2026).

1.5.2 The environmental mitigation measures corresponding to the main construction works implemented in the reporting period can be referred to **Appendix 1.3**.

## 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 from 1 February 2026 to 31 March 2026 and conducted at 8 monitoring stations (except Station C4 & C5) from 1 April 2026 to 30 April 2026 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 <sup>(1)</sup>	821702	831945	Alternative Impact Monitoring Point
	C2	822459	831470	Control Monitoring Point
	C3A <sup>(2)</sup>	822413	831284	Alternative Control Monitoring Point
TW	C4 <sup>(4)</sup>	825497	830664	Control Monitoring Point
	C5 <sup>(4)</sup>	825486	830716	Impact Monitoring Point
LFT	C6	827232	831713	Control Monitoring Point
	C7A <sup>(3)</sup>	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) 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.
- (4) As confirmed by the Contractor, no construction works at Tai Wo have been undertaken in April 2026. Thus, impact water quality monitoring at Tai Wo was suspended in April 2026.

## 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 <sup>(1)</sup>	Throughout the construction phase	SSNV	C1A
				C2
				C3A
			HC	C9
				C10
			LFT <sup>(2)</sup>	C6
				C7A
				C8
			TW <sup>(3) (4)</sup>	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 and HC was approved by EPD on 25 November 2024. Hence, the monitoring frequency at SSNV and HC was changed to 1 day in a week starting from 2 December 2024.
- (2) The change of the monitoring frequency at LFT was approved by EPD on 13 February 2026. Hence, the monitoring frequency at LFT was changed to 1 day in a week starting from 16 February 2026.
- (3) The change of the monitoring frequency at TW was approved by EPD on 25 March 2026. Hence, the monitoring frequency at TW was changed to 1 day in a week starting from 25 March 2026.
- (4) As confirmed by the Contractor, no construction works at Tai Wo have been undertaken in April 2026. Thus, impact water quality monitoring at Tai Wo was suspended in April 2026.

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 Action and Limit Level for Water Quality Monitoring

2.4.1 The criteria of action and limit levels for water quality monitoring are defined in **Table 2.3**.

**Table 2.3 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

Note:

- (1) For DO, non-compliance of the water quality limit occurs when monitoring result is lower than the limit.
- (2) For SS and turbidity, non-compliance of the water quality limit occurs when monitoring result is higher than the limit.
- (3) All the figures given in the table are used for reference only and the EPD may amend the figures whenever it is considered necessary.

2.4.2 Based on the criteria listed in **Table 2.3**, the action and limit levels for water quality are determined in **Table 2.4**.

**Table 2.4 Action and Limit Levels of Water Quality**

Stream	Monitoring ID	Parameters	Action	Limit
SSNV	C1A	DO in mg/L	<6.72	<4 <sup>(1)</sup>
		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 <sup>(2)</sup>
		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 <sup>(3)</sup>
		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 <sup>(4)</sup>
		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.

## 2.5 Event and Action Plan

2.5.1 Should any non-compliance of the criteria occur, action in accordance with the Event and Action Plan in **Appendix 2.1** 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.

## 2.6 Results and Observations

2.6.1 The detailed monitoring results during the reporting period are reported in the monthly EM&A Reports. The graphical presentation of water quality monitoring at the monitoring stations are shown in **Appendix 2.2**.

2.6.2 No exceedance of impact water quality monitoring was recorded during the reporting period. The summary of exceedance records of water quality monitoring during the reporting period is summarized in **Table 2.5**.

**Table 2.5 Summary of Exceedance Records of Water Quality Monitoring**

Parameter	No. of non-project related exceedances		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

## 2.7 Quarterly Assessment of Construction Impacts on Suspended Solids at the Project Site

2.7.1 The comparison of the difference between the quarterly mean and 1.3 times of the ambient mean is presented in **Table 2.8**.

**Table 2.8 Comparison of the difference between the quarterly mean and 1.3 times of the ambient mean**

Parameter	Monitoring Location	Quarterly Mean of SS (mg/L)	Baseline Level of SS (mg/L)	1.3 Times of Ambient Mean (mg/L) <sup>(1)</sup>	Quarterly Mean of SS > 1.3 Times of Ambient Mean (Y/N)	Request of Further Mitigation Measures (Y/N)
Suspended Solids	C1A	2.6	4.8	6.2	N	N
	C2 (Control Point)	3.2	3.2	4.2	N	N/A
	C3A (Control Point)	2.2	2.2	2.9	N	N/A
	C4 (Control Point)	2.2	10.7	13.9	N	N/A
	C5	2.6	5.2	6.8	N	N

Parameter	Monitoring Location	Quarterly Mean of SS (mg/L)	Baseline Level of SS (mg/L)	1.3 Times of Ambient Mean (mg/L) <sup>(1)</sup>	Quarterly Mean of SS > 1.3 Times of Ambient Mean (Y/N)	Request of Further Mitigation Measures (Y/N)
	C6 (Control Point)	4.0	3.7	4.8	N	N/A
	C7A (Control Point)	2.9	6.7	8.7	N	N/A
	C8	2.6	4.0	5.2	N	N
	C9 (Control Point)	3.9	5.9	7.7	N	N/A
	C10	3.3	8.5	11.1	N	N

Note:

(1) 1.3 times of the ambient mean equal to be defined as 30% increase of the baseline data.

#### Sung Shan New Village (Monitoring Locations C1A, C2 & C3A)

- 2.7.2 The quarterly mean of SS at Monitoring Location C1A (Impact Point) (2.6 mg/L) is lower than the 1.3 times of the ambient mean (6.2 mg/L). Hence, no further mitigation measures for control of water quality impact are required at Sung Shan New Village.

#### Tai Wo (Monitoring Locations C4 & C5)

- 2.7.3 The quarterly mean of SS at Monitoring Location C5 (Impact Point) (2.6 mg/L) is lower than the 1.3 times of the ambient mean (6.8 mg/L). Hence, no further mitigation measures for control of water quality impact are required at Tai Wo.

#### Lin Fa Tei (Monitoring Locations C6, C7A & C8)

- 2.7.4 The quarterly mean of SS at Monitoring Location C8 (Impact Point) (2.6 mg/L) is lower than the 1.3 times of the ambient mean (5.2 mg/L). Hence, no further mitigation measures for control of water quality impact are required at Lin Fa Tei.

#### Ha Che (Monitoring Locations C9 & C10)

- 2.7.5 The quarterly mean of SS at Monitoring Location C10 (Impact Point) (3.3 mg/L) is lower than the 1.3 times of the ambient mean (11.1 mg/L). Hence, no further mitigation measures for control of water quality impact are required at Ha Che.

## 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. <sup>(1)</sup>	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 <sup>(4)</sup>	#200, Cheung Po	Residential	Free-field
TW_M3 <sup>(4)</sup>	Kai Yip Garden, #3H, Tai Wo	Residential	Free-field
LFT_M1	#2G, Lin Fa Tei	Residential	Façade
LFT_M3A <sup>(2)</sup>	Near #125B, Lin Fa Tei	Residential	Free-field
LFT_M5	#156B, Lin Fa Tei	Residential	Façade
LFT_M6 <sup>(3)</sup>	Village house near the nullah (DD112 699 S.E)	Residential	Façade
LFT_M11 <sup>(2)</sup>	#210, Ngau Keng Tsuen	Residential	Façade
HC_M3A <sup>(2)</sup>	Next to DD111 326 S.B RP near Fan Kam Road	-	Free-field
HC_M4A <sup>(5)</sup>	#1C, Chuk Hang	Residential	Free-field
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, HC\_M3A and 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) As confirmed by the Contractor, no construction works at Tai Wo have been undertaken in April 2026. Thus, impact noise monitoring at Tai Wo was suspended in April 2026.
- (5) HC\_M4A is the alternative noise monitoring station proposed to temporarily replace HC\_M4 since 22 September 2025.

### 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. The monitoring should be conducted during the construction phase between 0700 and 1900 on normal weekdays at the designated monitoring locations.

3.2.2 As supplementary information for data auditing, statistical results such as L10 and L90 were also obtained for reference.

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

**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_M4A, 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 between 0700 and 1900 on normal weekdays

### 3.3 Action and Limit Levels

3.3.1 The Action and Limit levels were established in accordance with the approved Updated EM&A Manual. **Table 3.3** 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 3.1** shall be carried out.

**Table 3.3 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) <sup>(1)</sup>
07:00 – 23:00 on holidays; and 19:00 – 23:00 on all other days		45 dB(A) <sup>(2)</sup>
23:00 – 07:00 of the next day		30 dB(A) <sup>(2)</sup>

Notes:

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

### 3.4 Results and Observations

3.4.1 The detailed monitoring results during the reporting period are reported in the monthly EM&A Reports. The graphical presentation of noise monitoring at the monitoring stations are shown in **Appendix 3.2**.

3.4.2 No Action or Limit levels exceedance was recorded in the 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 for at least 12 months after pre-construction surveys to monitor their establishment. The tentative capture and monitoring schedule and progress of the pre-construction and post-translocation surveys are summarized in Table 4.1.

**Table 4.1 Tentative Construction Schedule and Scheduled Capture and Monitoring at Ha Che and Lin Fa Tei**

Works Location	2024												2025												2026																	
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul												
Ha Che	20/2/2024 – 7/12/2024																																									
	CH.A11.13~ CH.A300.00	✓	○	○	○	○	○	○	○	○	○	○	○																													
	23/9/2024 – 19/11/2025																																									
	CH.A300.00~ CH.A653.949							✓	○	○	○	○	○	○	○	○	○	○	○	○	○																					
CH.A653.949~ CH.A905.63																																tbc										
Lin Fa Tei	16/5/2025 – to be confirmed																																									
	CH.A818.86~ CH.A500.00															*																										
	29/4/2024- 18/1/2025																																									
	CH.A200.00~ CH.A500.00			*																																						
	20/3/2024 – 11/1/2025																																									
	CH.A0.00~ CH.A200.00		✓	○	○	○	○	○	○	○	○	○	○	○																												
	29/4/2024 – 20/2/2025																																									
CH.B0.00~ CH.B149.77			*																																							
20/3/2024 – 21/8/2025																																										
CH.C117.50~ CH.D239.03		*																																								

Notes: Cells in Orange = Scheduled Pre-construction Survey; Cells in Blue = Scheduled Post-translocation Monitoring; Cells in Green = Tentative Construction Schedule given in January 2024; ✓ = Survey Completed with translocated crabs, \* = Survey completed without crabs translocated, O = Post-translocation Monitoring Completed

- 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 post-translocation monitoring in Ha Che CH.A11.13~CH.A300.00, Ha Che CH.A300.00~CH.A653.949 and Lin Fa Tei CH.A0.00~CH.A200.00 has been completed. The pre-construction survey in Ha Che CH.A653.949~CH.A905.63 will be subjected to confirmation in view of the construction programme.

## 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 will be fully implemented.

## 6 Land Contamination

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

## 7 Landscape and Visual

### 7.1 Audit Requirements

- 7.1.1 According to the approved 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, 13 weekly landscape and visual site audits were carried out in the reporting period.
- 7.2.2 No deficiency in the mitigation measures on landscape and visual was observed during the reporting period.

## 8 Cultural Heritage

### 8.1 Archaeology

- 8.1.1 According to the assessment included in the approved EIA report (Register No.: AEIAR-229/2021) the proposed drainage works in the Lin Fa Tei area are located immediately adjacent to existing river course on mainly Pleistocene terraced alluvium and the western end of the alignment on Holocene alluvium between Lin Fa Tei Site of Archaeological Interest (SAI) and Shui Lau Tin SAI. The proposed works are partially located within Lin Fa Tei SAI. Previous investigations within SAI have shown both in situ and secondary deposit and with potential for wooden features near the stream bed. As per the recommendation from EIA report, Archaeological Survey shall be conducted prior to the construction works, the concerned area is marked in **Figure 8.1**.
- 8.1.2 A qualified archaeologist shall be engaged and apply for a licence under the Antiquities and Monuments Ordinance (Cap. 53) to conduct the Archaeological Survey prior to the construction phase. The scope and methodology of the Archaeological Survey shall be agreed with Antiquities and Monuments Office (AMO) prior to implementation. Tentatively and subject to agreement with AMO, a fieldscan, where possible, twenty auger tests and four 5 by 1m narrow trenches are proposed to further assess the archaeological potential of the area. If significant remains are uncovered, AMO should be notified and potential need for mitigation and/ or an appropriate way forward should be agreed by AMO and relevant parties.
- 8.1.3 For remaining drainage work areas (outside the area identified for Archaeological Survey) deemed to have limited (near Kam Sheung Road) to minimal (remainder of Works Areas) archaeological potential, AMO shall be informed immediately if antiquities or supposed antiquities are discovered during construction works for the proposed drainage improvement works for ascertaining required remedial works.
- 8.1.4 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, the qualified Archaeologist has excavated five test trenches (5m x 1.2m 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 monitoring locations of Lan Fong Study Hall at Ha Che is presented are **Figure 8.2**. No exceedance for relevant monitoring was recorded during the reporting period.
- 8.2.4 As the distance between the active works area at Lin Fa Tei and the Lee Tat Bridge exceeded 30m radial distance during the reporting period, no vibration monitoring was undertaken. Settlement and tilting monitoring at Lee Tat Bridge at Lin Fa Tei has been carried out during the reporting period (excluded public holiday). The monitoring locations of Lee Tat Bridge at Lin Fa Tei are presented in **Figure 8.3**. No exceedance for relevant monitoring was recorded during the reporting period.
- 8.2.5 Vibration, settlement and tilting monitoring at St. John Chapel at Tai Wo has been carried out during the reporting period (excluded public holiday and April 2026). No structural monitoring was conducted in April 2026 due to no construction works were carried out at Tai Wo during the period. The monitoring locations of St. John Chapel at Tai Wo are presented in **Figure 8.4**. No exceedance for relevant monitoring was recorded during the reporting period.
- 8.2.6 Monitoring data are 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)	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
Lan Fong Study Hall, Chuk Hang (Grade 3)	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
St John's Chapel, Cheung Po (Grade 2)	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>

## 9 Environmental Site Inspection and Audit

### 9.1 Implementation Status of Environmental Mitigation Measures

9.1.1 Site audits were carried out by ET on weekly basis at least once per week to monitor the implementation of proper environmental management practices and mitigation measures in the Project site.

9.1.2 Total 13 site inspections were carried out during the reporting period. No outstanding issues were reported during the reporting period. Details of observations recorded during the site inspections are presented in **Table 9.1**.

**Table 9.1 Site Observations**

Date	Environmental Observations	Follow-up Status
4 February 2026	<u>Observation(s) and Recommendation(s)</u> Ha Che: 1. Stockpiles should be covered with impervious sheeting.	Ha Che: 1. Stockpiles have been covered with impervious sheeting.
11 February 2026	<u>Observation(s) and Recommendation(s)</u> Nil	Nil
20 February 2026	<u>Observation(s) and Recommendation(s)</u> Nil	Nil
25 February 2026	<u>Observation(s) and Recommendation(s)</u> Sung Shan New Village: 1. Water pumped out from excavations should be discharged into silt removal facilities. 2. Debris accumulated by geotextiles should be removed regularly.	Sung Shan New Village: 1. Water pumped out from excavations has been discharged into silt removal facilities. 2. Debris accumulated by geotextiles has been removed.
4 March 2026	<u>Observation(s) and Recommendation(s)</u> Ha Che: 1. Open stockpiles should be covered with tarpaulin during rainfall.	Ha Che: 1. Open stockpiles have been covered with tarpaulin during rainfall.
11 March 2026	<u>Observation(s) and Recommendation(s)</u> Nil	Nil
18 March 2026	<u>Observation(s) and Recommendation(s)</u> Nil	Nil
25 March 2026	<u>Observation(s) and Recommendation(s)</u> Nil	Nil
1 April 2026	<u>Observation(s) and Recommendation(s)</u> Ha Che: 1. Stockpiles should be entirely covered by tarpaulin.	Ha Che: 1. Stockpiles have been entirely covered by tarpaulin.
8 April 2026	<u>Observation(s) and Recommendation(s)</u> Sung Shan New Village: 1. Effluent should be directed to wastewater treatment facility for proper treatment before discharge. 2. Geotextile should be regularly maintained. Waste near the geotextile should be regularly cleaned up.	Sung Shan New Village: 1. Effluent has been directed to wastewater treatment facility for proper treatment before discharge. 2. Geotextile has been regularly maintained. Waste near the geotextile has been cleaned up.
16 April 2026	<u>Observation(s) and Recommendation(s)</u> Nil	Nil

Date	Environmental Observations	Follow-up Status
22 April 2026	<u>Observation(s) and Recommendation(s)</u> Ha Che: 1. Colour of NRMM label faded out and should be replaced. 2. The hydraulic hammer head should be placed on a tarpaulin.	Ha Che: 1. NRMM label has been replaced. 2. The hydraulic hammer head has been placed on a tarpaulin.
29 April 2026	<u>Observation(s) and Recommendation(s)</u> Lin Fa Tei: 1. Water pumped out from excavation should be discharged into silt removal facilities.	Lin Fa Tei: 1. Water pumped out from excavation has been properly treated in sedimentation tank.

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

### Water Quality Monitoring

10.1.1 No exceedance for impact water quality monitoring was recorded during the reporting period.

### Noise Monitoring

10.1.2 No Action Level or Limit Level exceedance was recorded during the reporting period.

### Built Heritage

10.1.3 No monitoring exceedance was recorded in 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.

10.3.2 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 Conclusions and Recommendations

## 11.1 Conclusion

- 11.1.1 This 9<sup>th</sup> Quarterly EM&A Report presents the EM&A works during the reporting period from 1 February 2026 to 30 April 2026 in accordance with the approved Updated EM&A Manual.
- 11.1.2 Water Quality Monitoring was conducted during the reporting period. No Action Level or Limit Level exceedance were recorded for water quality monitoring in the reporting period.
- 11.1.3 Construction noise monitoring was carried out during the reporting period. No Action Level or Limit Level exceedance was recorded for construction noise monitoring in the reporting period.
- 11.1.4 Total 13 environmental site inspections and 13 landscape and visual site audits were carried out in the reporting period. Recommendations on mitigation measures were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 11.1.5 No environmental complaint was received during the reporting period.
- 11.1.6 No notification of summons and successful prosecutions were recorded in the reporting period.
- 11.1.7 The EM&A methodology has been effective in monitoring the environmental impacts of the Project and the effectiveness of the mitigation measures. The data collected were useful in determining whether the Project had caused unacceptable impacts on the sensitive receivers. Analysis of all EM&A data collected throughout the baseline and the impact monitoring periods demonstrated the environmental acceptability of the Project.

## 11.2 Comments/ Recommendations

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

- No effluent discharge would be allowed before acquired the effluent discharge license;
- 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

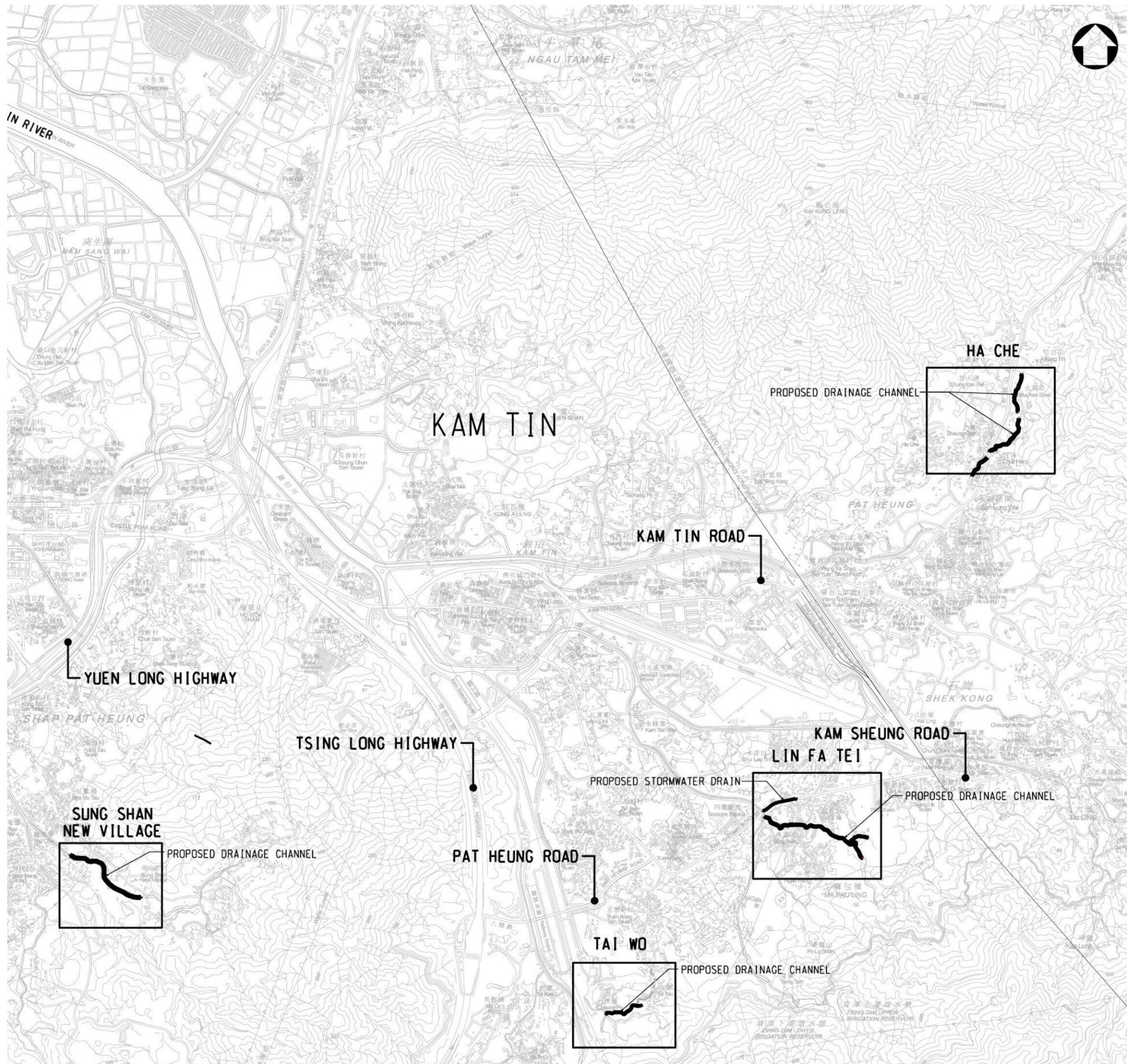
- Construction activities shall be carefully designed to minimize impact on existing retained trees; and
- Adequate tree protection measures shall be provided for the trees to be retained on site.

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

## Figures

**Figure 1.1      General Site Location Plan**

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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**

**ATKINS**  
 Member of the SNC-Lavalin Group

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

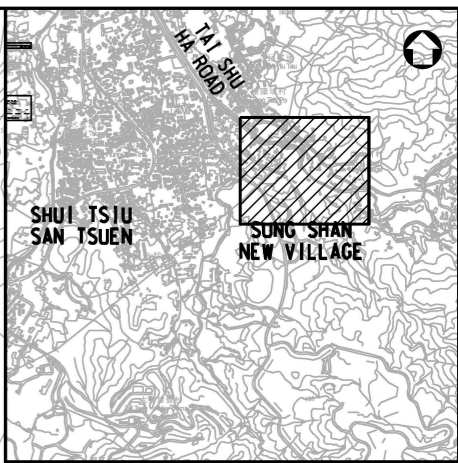
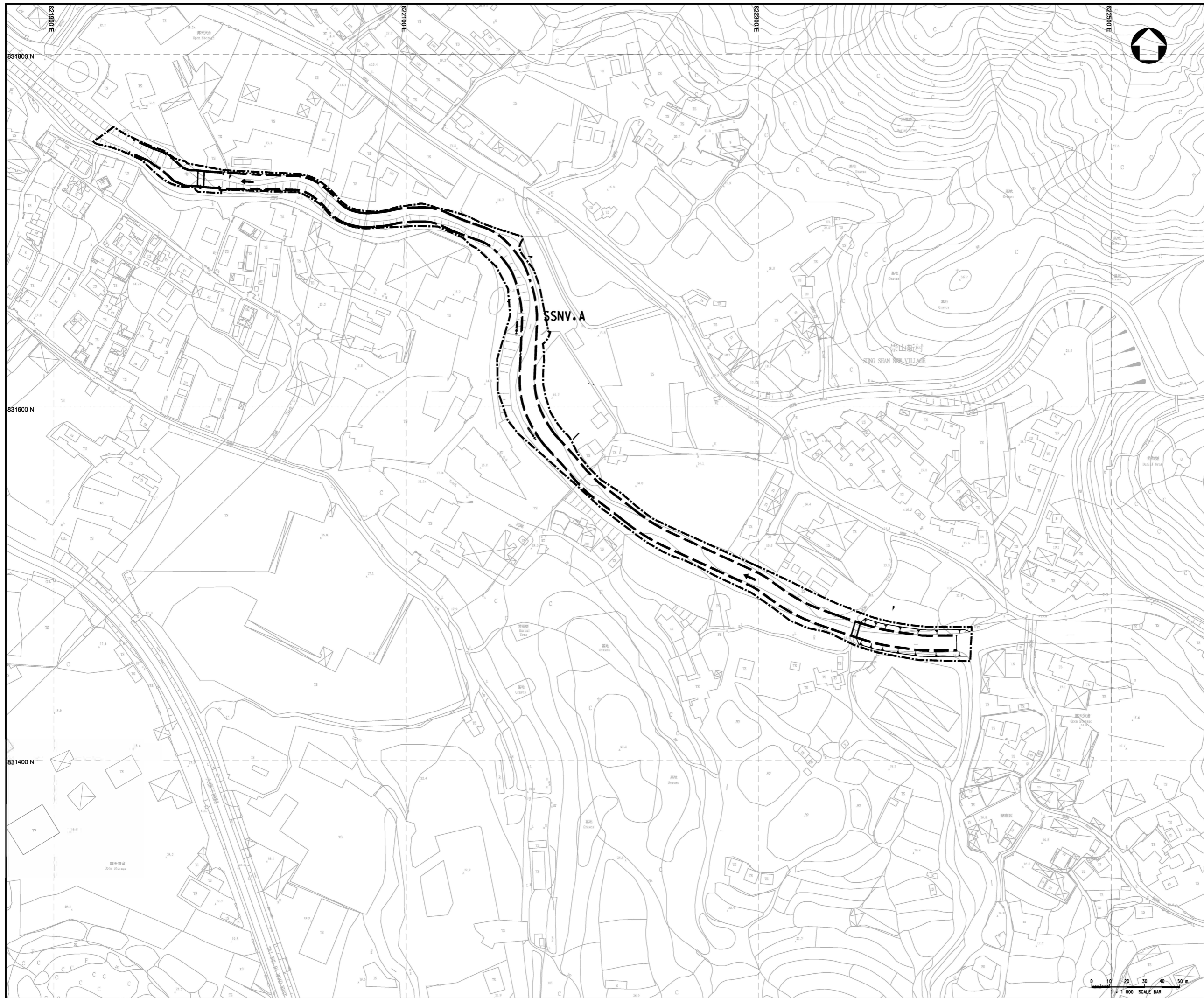
Contract Title: **CONTRACT NO. DC/2022/02**  
**DRAINAGE IMPROVEMENT WORKS**  
**AT YUEN LONG -**  
**STAGE 2**

Drawing Title: **SITE LOCATION PLAN**

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

Drawing Number: **Figure 1.1**

**Figure 1.2 Location of Work Areas for the Project**



**KEY PLAN**  
N.T.S.

- LEGEND:**
- WORKS BOUNDARY
  - RECTANGULAR CHANNEL

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

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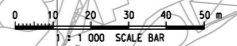
Client  
**渠務署**  
Drainage Services Department  
**工程管理部**  
Project Management Division

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

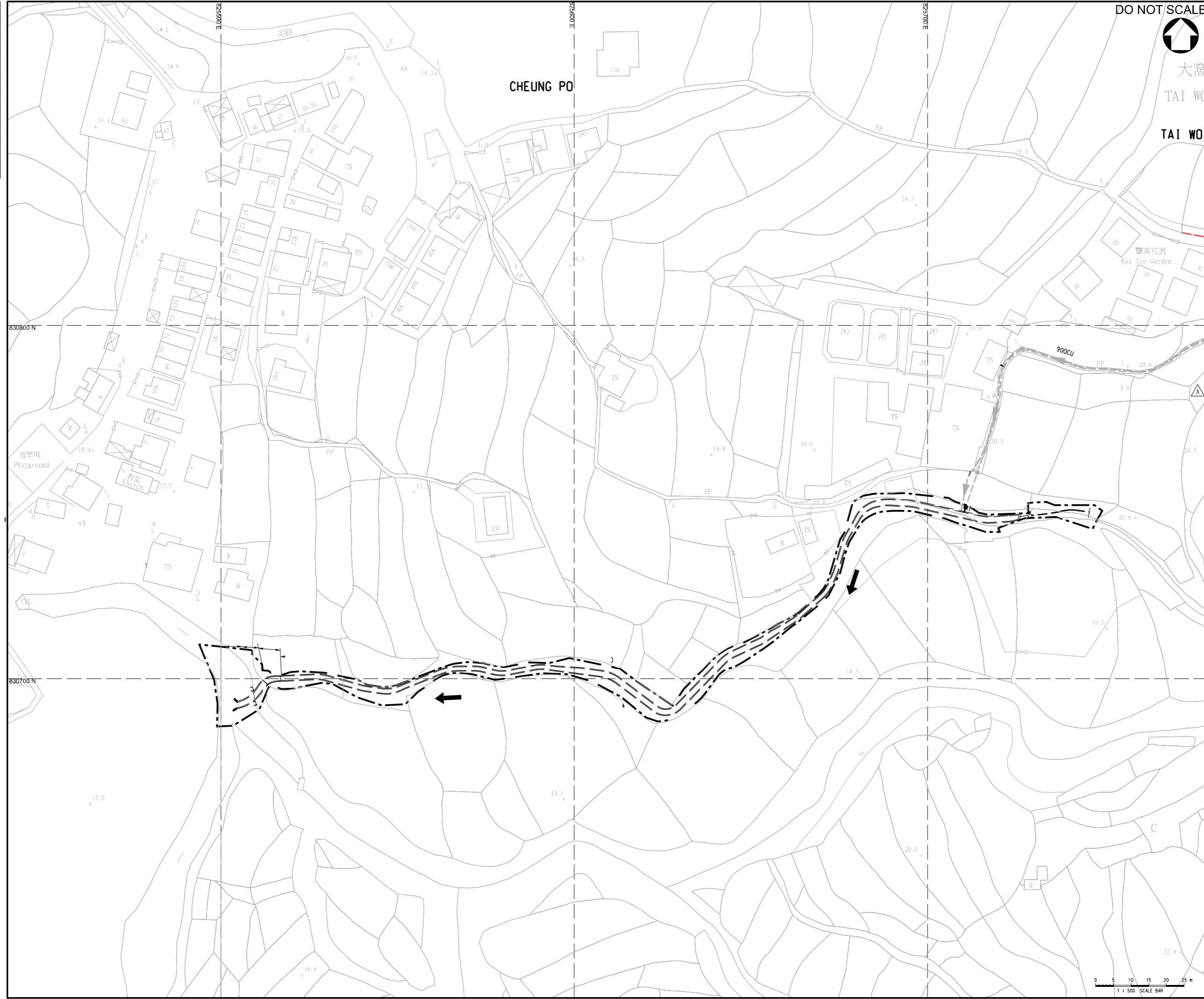
Drawing Title  
SUNG SHAN NEW VILLAGE -  
GENERAL LAYOUT PLAN

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

Drawing Number  
**Figure 1.2 a**



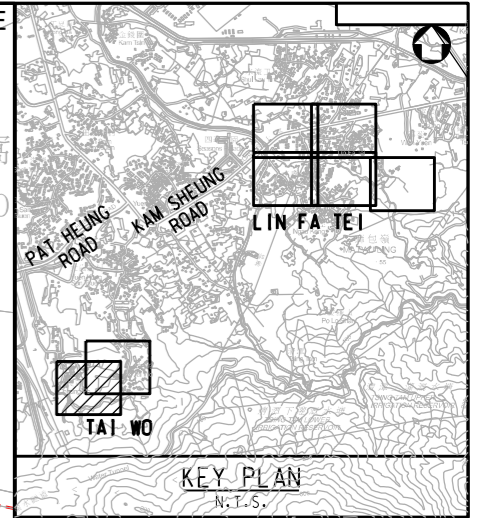
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DO NOT SCALE



大窩  
TAI WO  
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KEY PLAN  
N.T.S.

**LEGEND:**

- WORKS BOUNDARY
- RECTANGULAR CHANNEL

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

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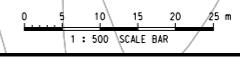
Client  
**渠務署**  
Drainage Services Department  
**工程管理部**  
Project Management Division

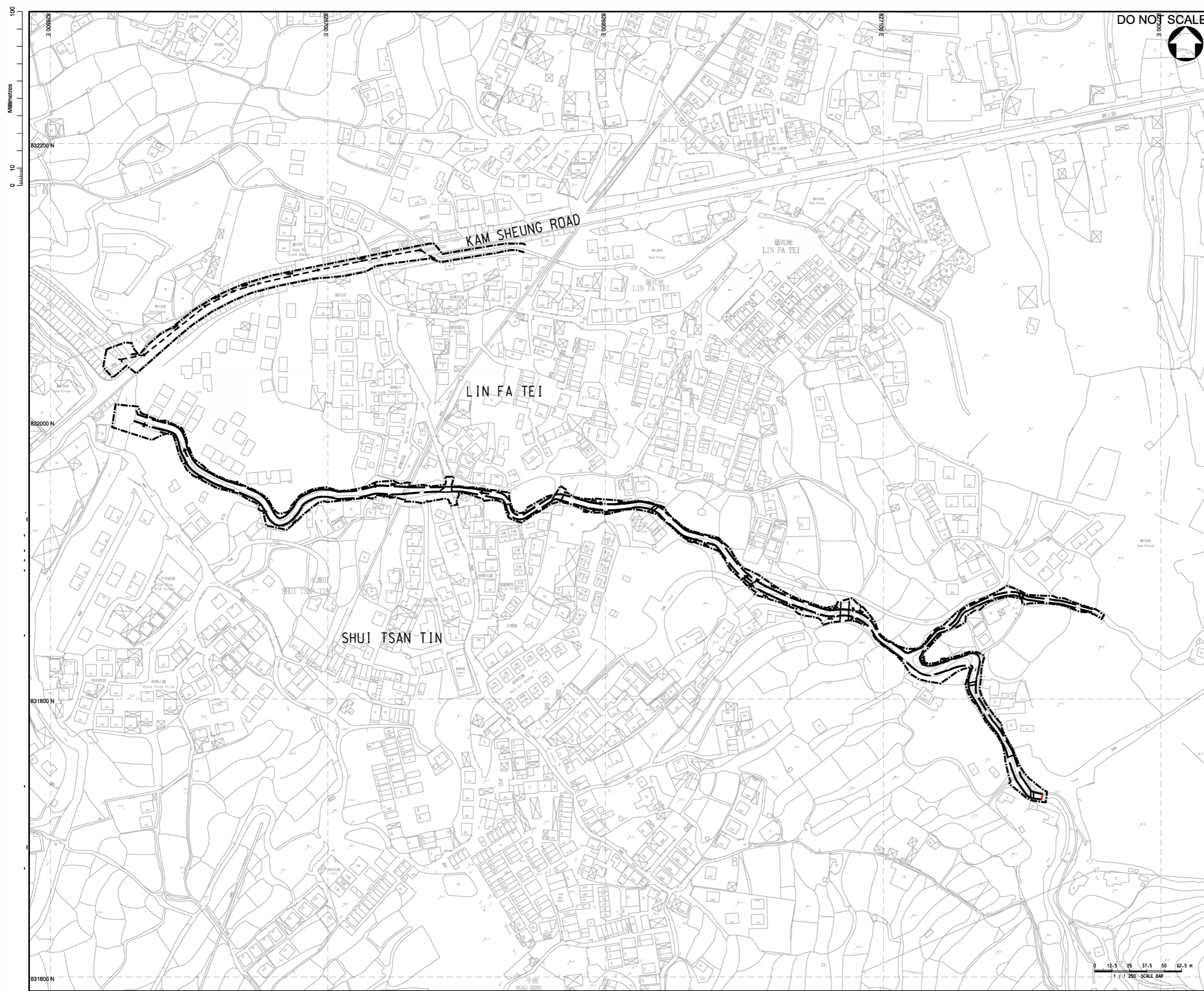
Contract Title  
CONTRACT NO. DC/2022/02  
DRAINAGE IMPROVEMENT WORKS  
AT YUEN LONG -  
STAGE 2

Drawing Title  
TAI WO -  
GENERAL LAYOUT PLAN

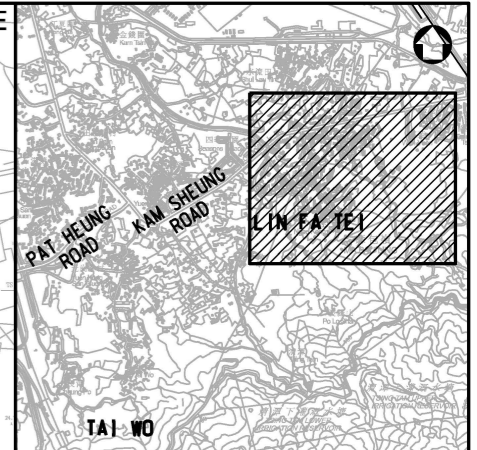
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1 : 500	SHC	AC	WCTT	KP
Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number  
**Figure 1.2b**  
Revision  
A





DO NOT SCALE



**KEY PLAN**  
N.T.S.

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

Rev.	Date	Description	By	Chk'd	App'd	Suitability
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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**工程管理部**  
Project Management Division

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

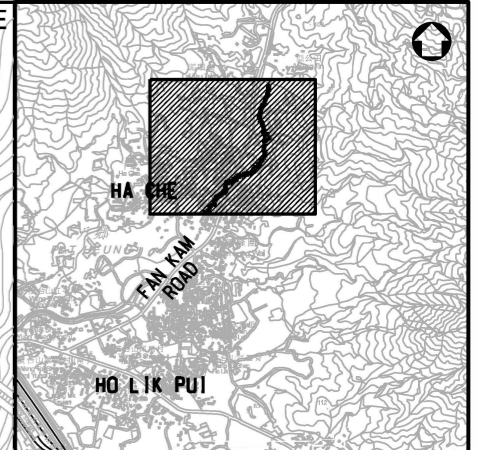
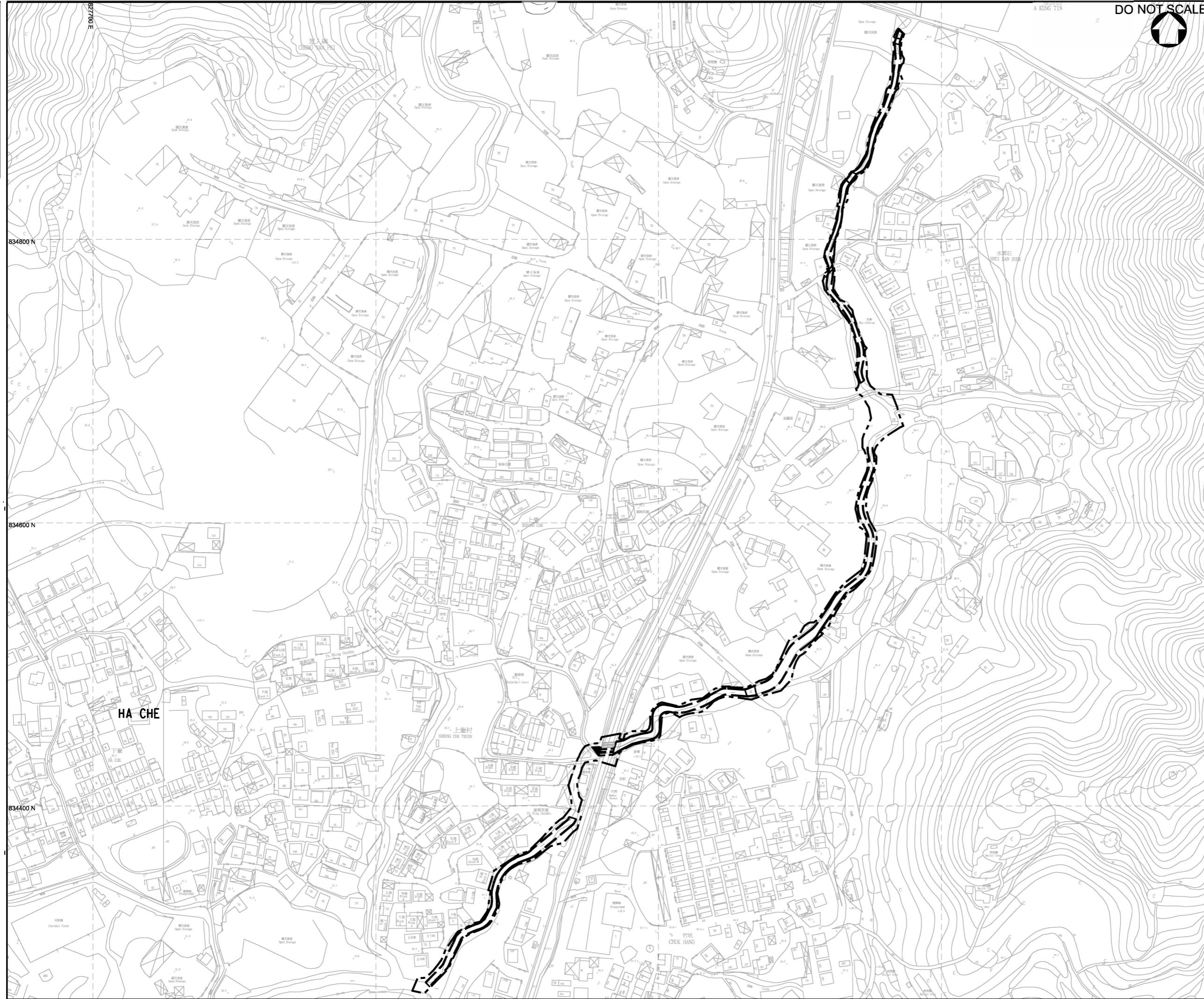
Drawing Title: **LIN FA TEI -**  
**GENERAL LAYOUT PLAN**

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Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number: **Figure 1.2 c**

100  
0 10  
Millimetres

DO NOT SCALE



**KEY PLAN**  
N.T.S.

**LEGEND:**  
 WORKS BOUNDARY  
 RECTANGULAR CHANNEL

Rev.	Date	Description	By	Chkd	App'd
A	NOV 2022	TENDER ADDENDUM NO. 4	SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER	SHC	WCTT	KP
Drawing Status					Suitability
<b>CONTRACT</b>					

**ATKINS**  
Member of the SNC-Lavalin Group

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

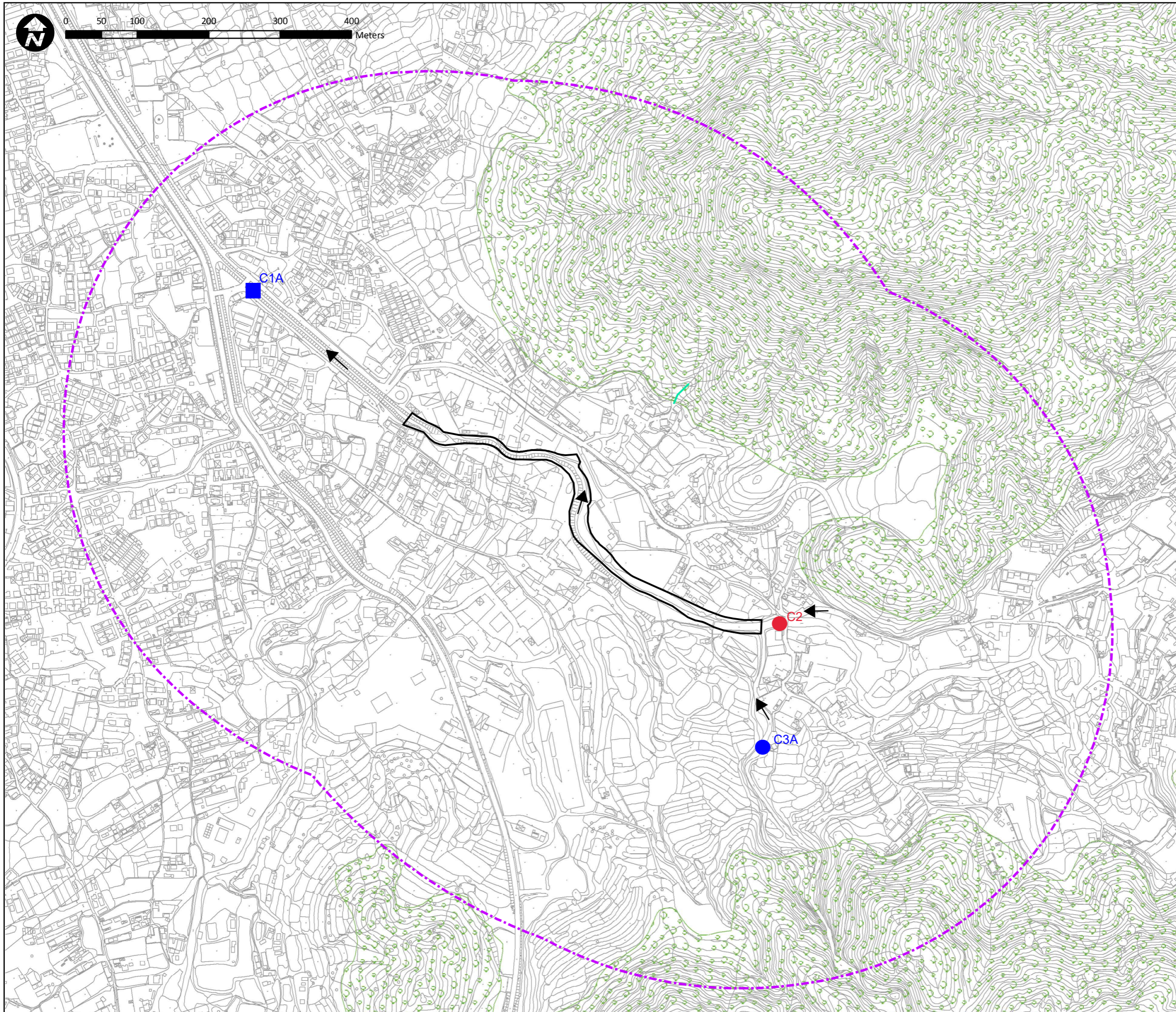
Contract Title  
 CONTRACT NO. DC/2022/02  
 DRAINAGE IMPROVEMENT WORKS  
 AT YUEN LONG -  
 STAGE 2

Drawing Title  
 HA CHE -  
 GENERAL LAYOUT PLAN

Scale	Design	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**

**Figure 2.1 Impact Water Quality Monitoring Locations**



Legend:

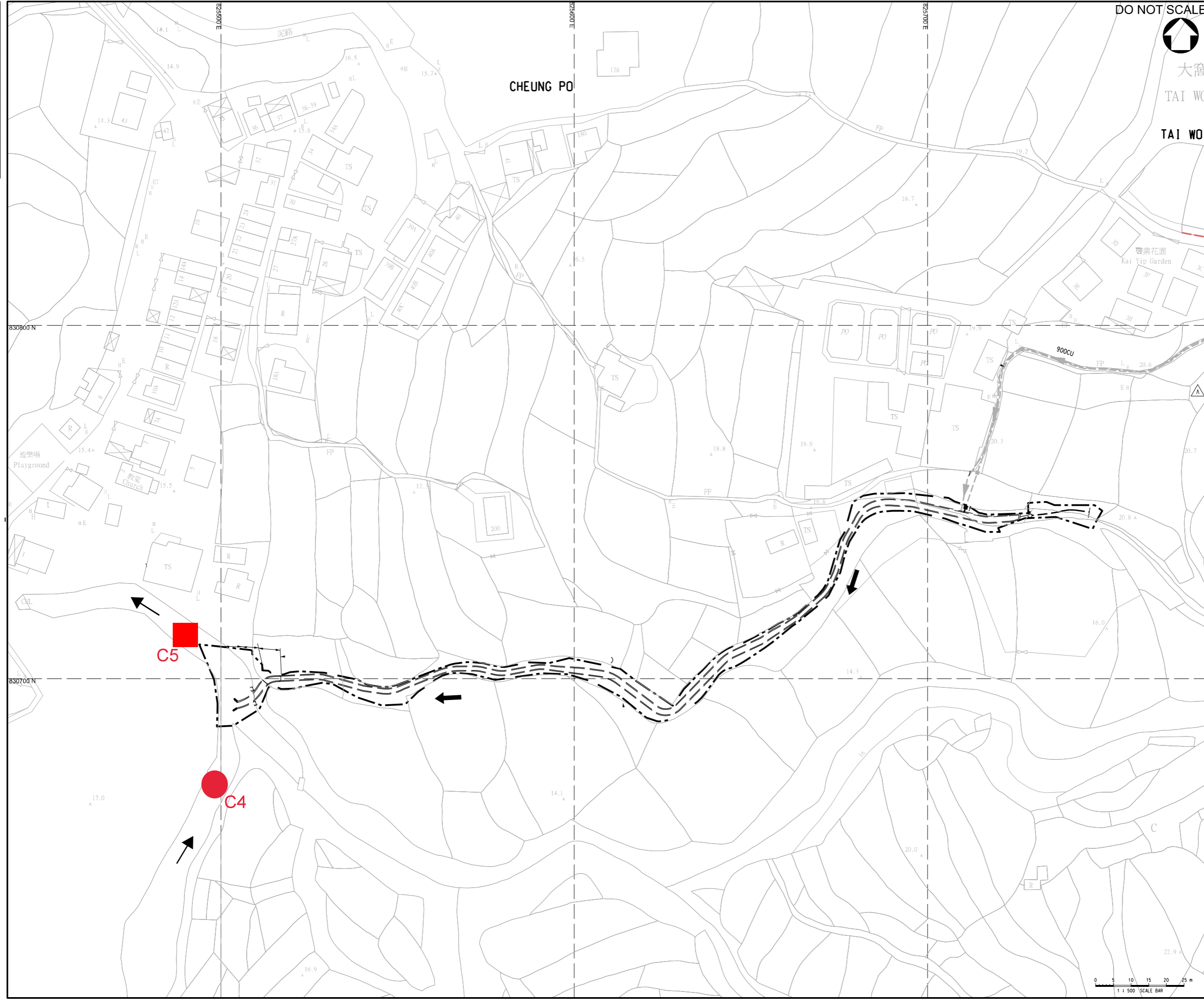
- Work Limit Boundary
- 500 m study area
- Control Station
- Alternative Control Station
- Alternative Impact Station
- Flow direction

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: <b>Figure 2.1a</b>	Revision: <b>R1</b>

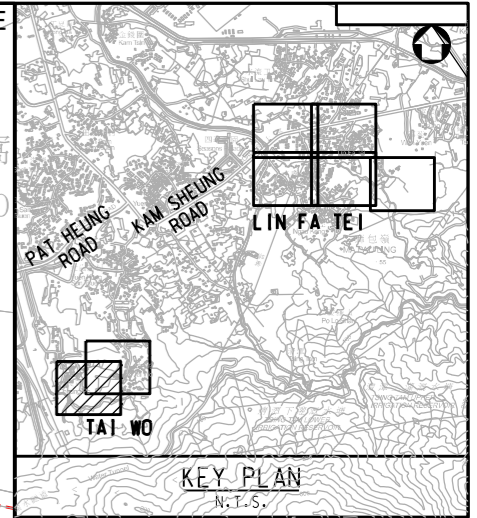
0 10 100  
Millimetres



DO NOT SCALE



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TAI WO



**LEGEND:**

- WORKS BOUNDARY
- RECTANGULAR CHANNEL
- Control Station
- Impact Station
- Flow Direction

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

Contract Status: **CONTRACT**

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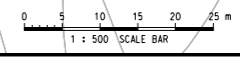
Client: **渠務署**  
Drainage Services Department  
**工程管理部**  
Project Management Division

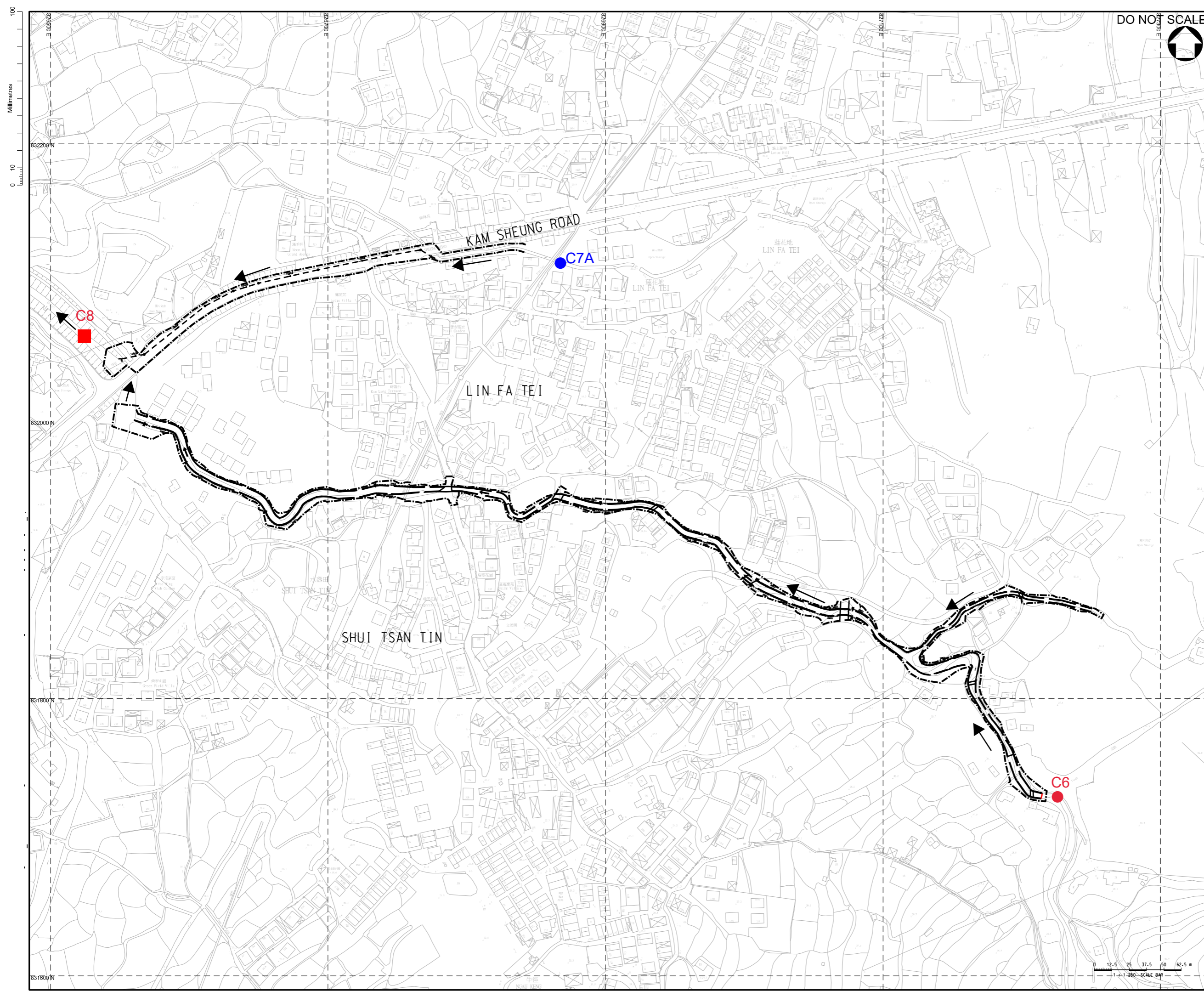
Contract Title: **CONTRACT NO. DC/2022/02  
DRAINAGE IMPROVEMENT WORKS  
AT YUEN LONG -  
STAGE 2**

Drawing Title: **Water Quality Monitoring Locations  
at Tai Wo**

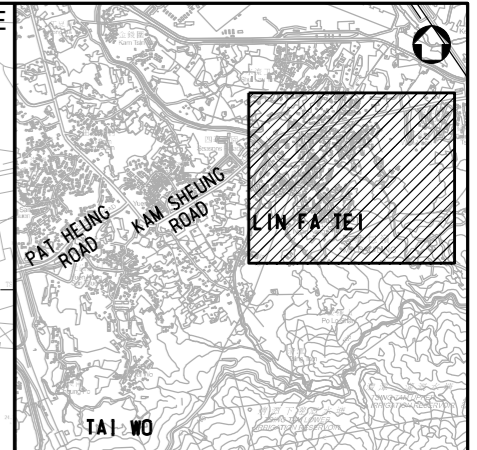
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1 : 500	SHC	AC	WCTT	KP
Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number: **Figure 2.1b**





DO NOT SCALE



KEY PLAN  
N.T.S.

- LEGEND:**
- WORKS BOUNDARY
  - RECTANGULAR CHANNEL
  - 450 CU 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

Drawing Status: **CONTRACT**

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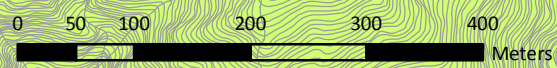
Client: 渠務署  
Drainage Services Department  
Project Management Division

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**

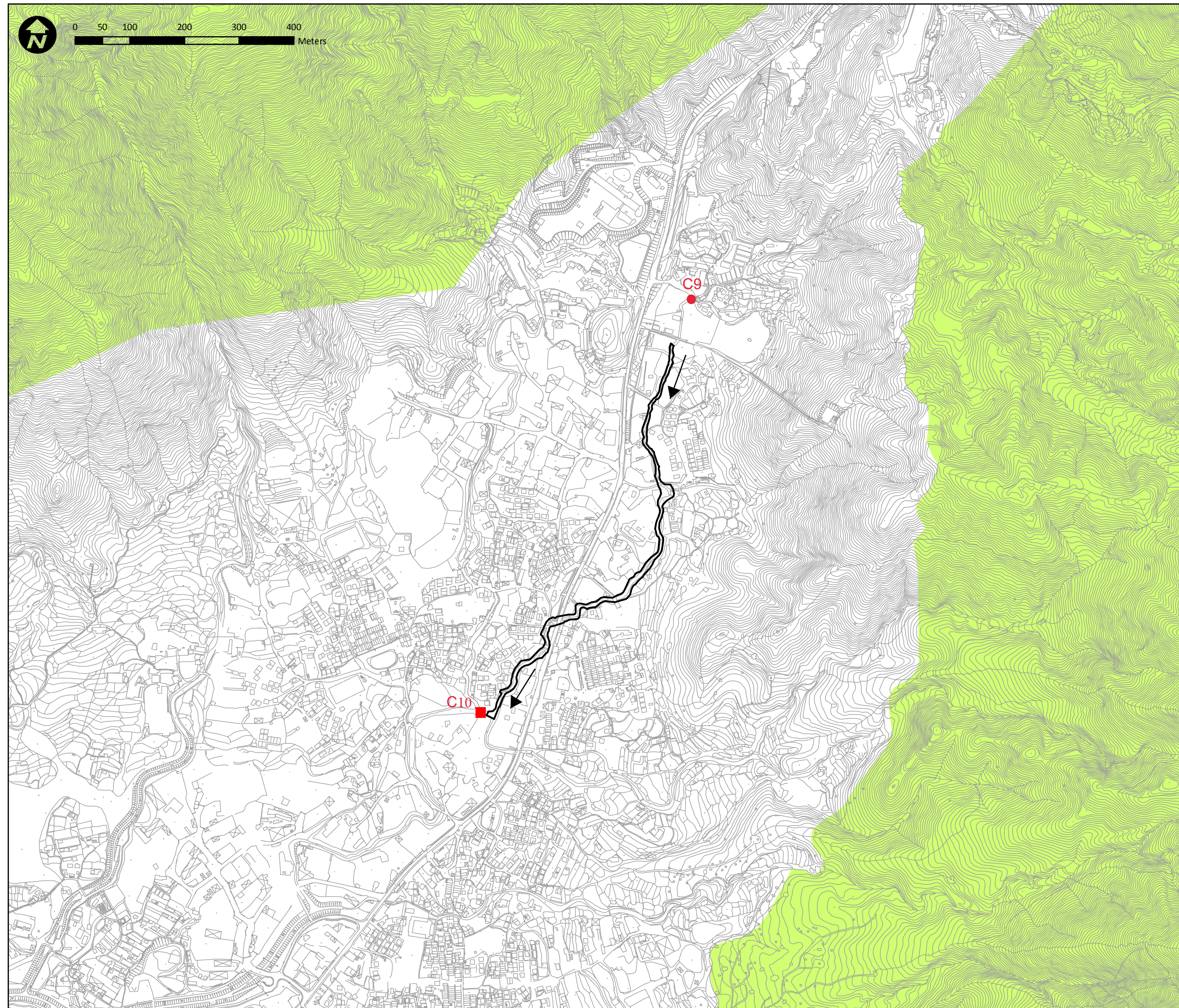
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Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number: **Figure 2.1c**



**LEGEND:**

- WORKS BOUNDARY
- RECTANGULAR CHANNEL
- Control Station
- Impact Station
- Flow Direction

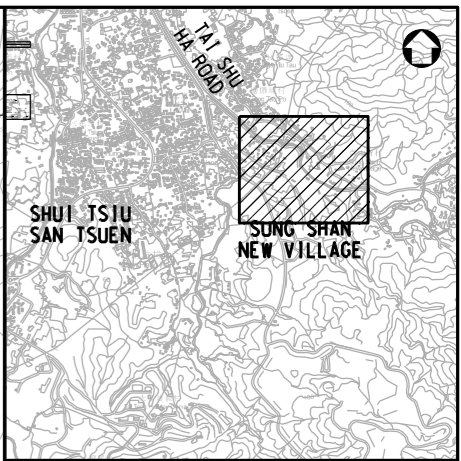
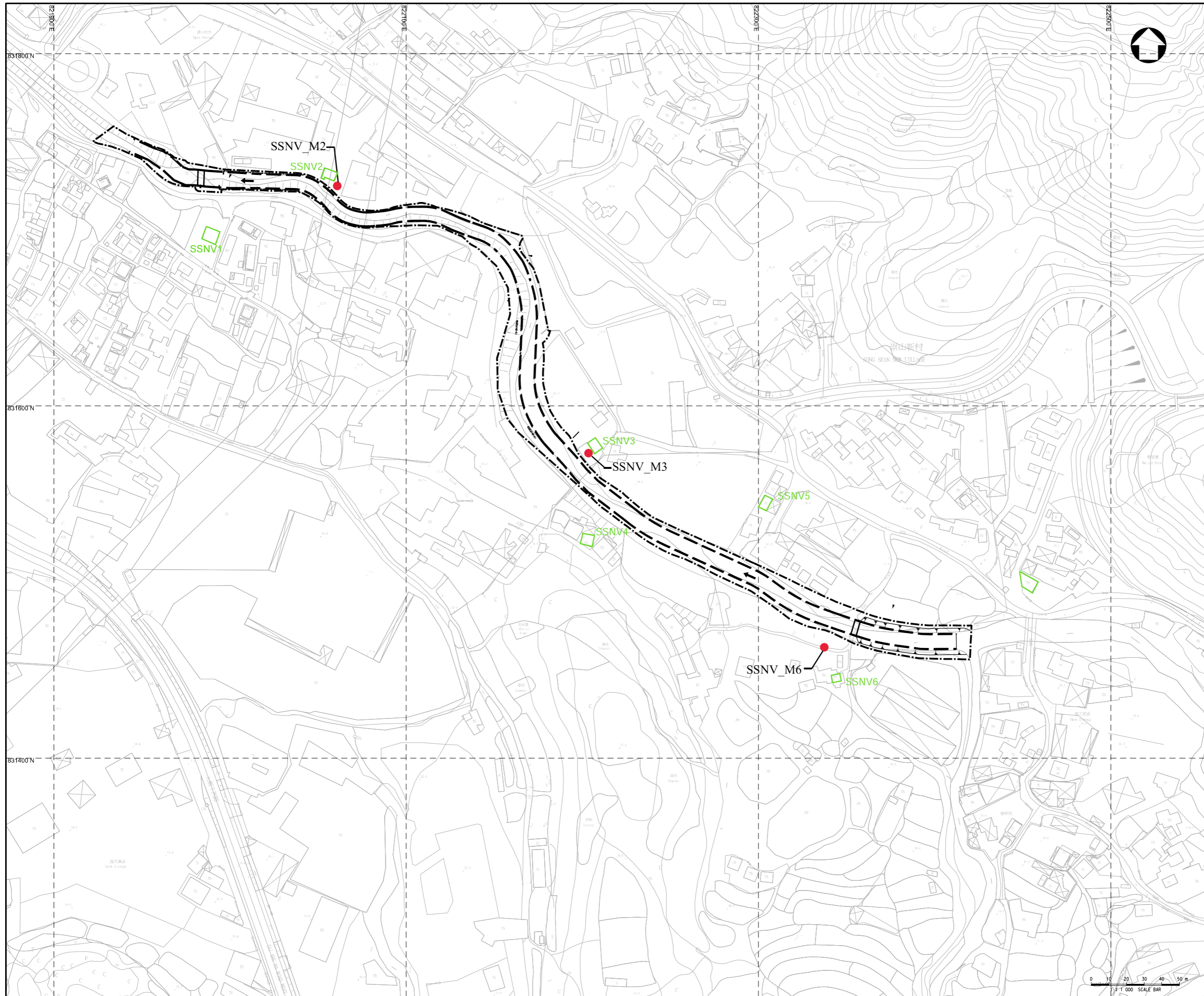


Project Title:  
**CONTRACT NO. DC/2022/02  
DRAINAGE IMPROVEMENT WORKS  
AT YUEN LONG -  
STAGE 2**

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	Suitability
A	OCT 2022	TENDER ADDENDUM NO.3		SHC	WCTT	KP
-	JUL 2022	ISSUE FOR TENDER		SHC	WCTT	KP
Drawing Status: <b>CONTRACT</b>						

**ATKINS**  
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Client: 渠務署  
Drainage Services Department  
Project Management Division

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

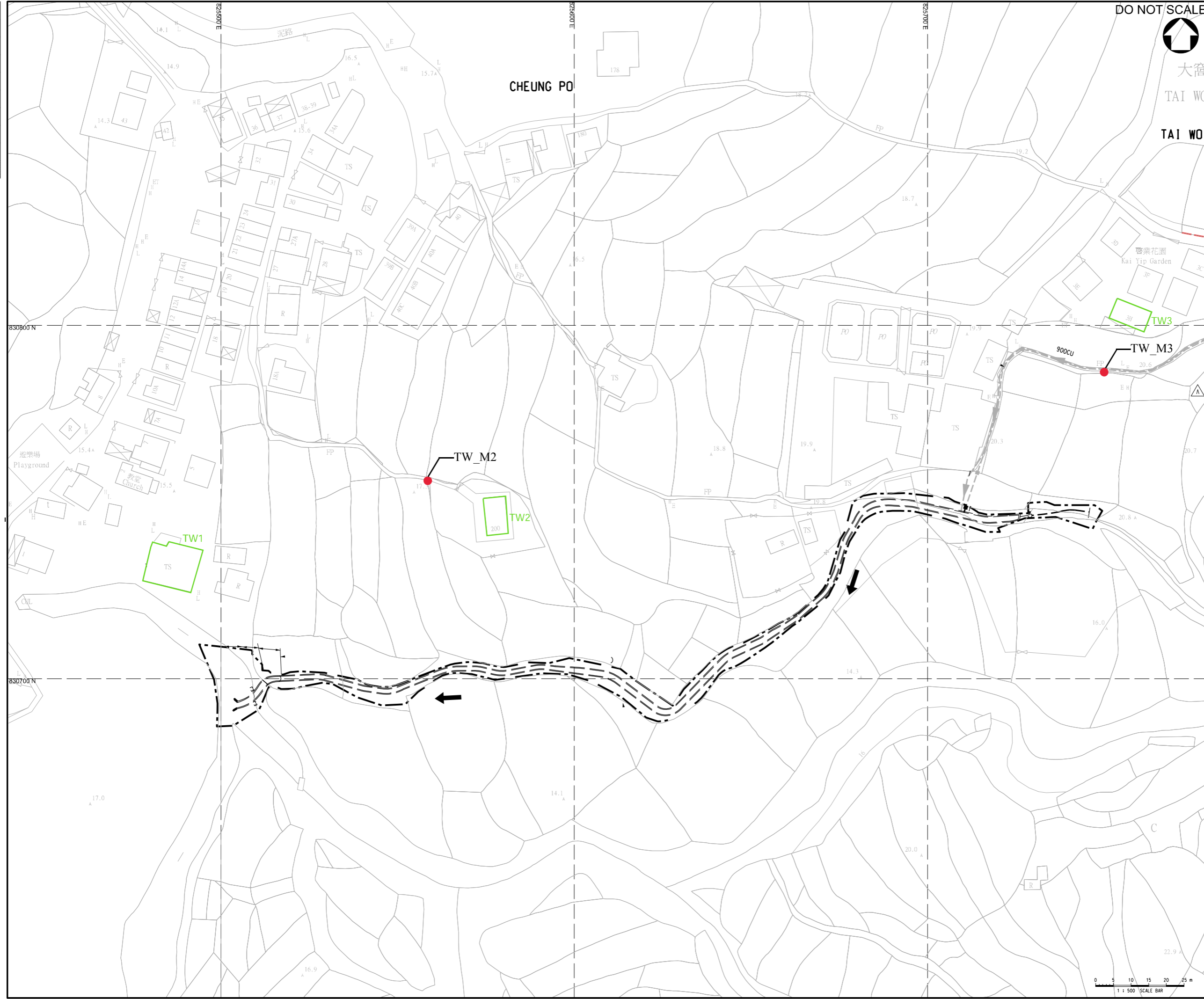
Drawing Title: **Noise Monitoring Locations at  
Sung Shan New Village**

Scale	Designed	Drawn	Checked	Authorised
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Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022
Drawing Number	Revision			

Figure 3.1a



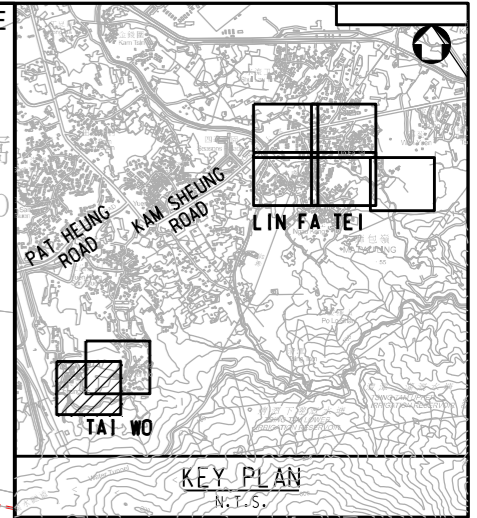
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Millimetres



DO NOT SCALE



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TAI WO  
TAI WO



**LEGEND:**

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

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

Drawing Status: **CONTRACT**

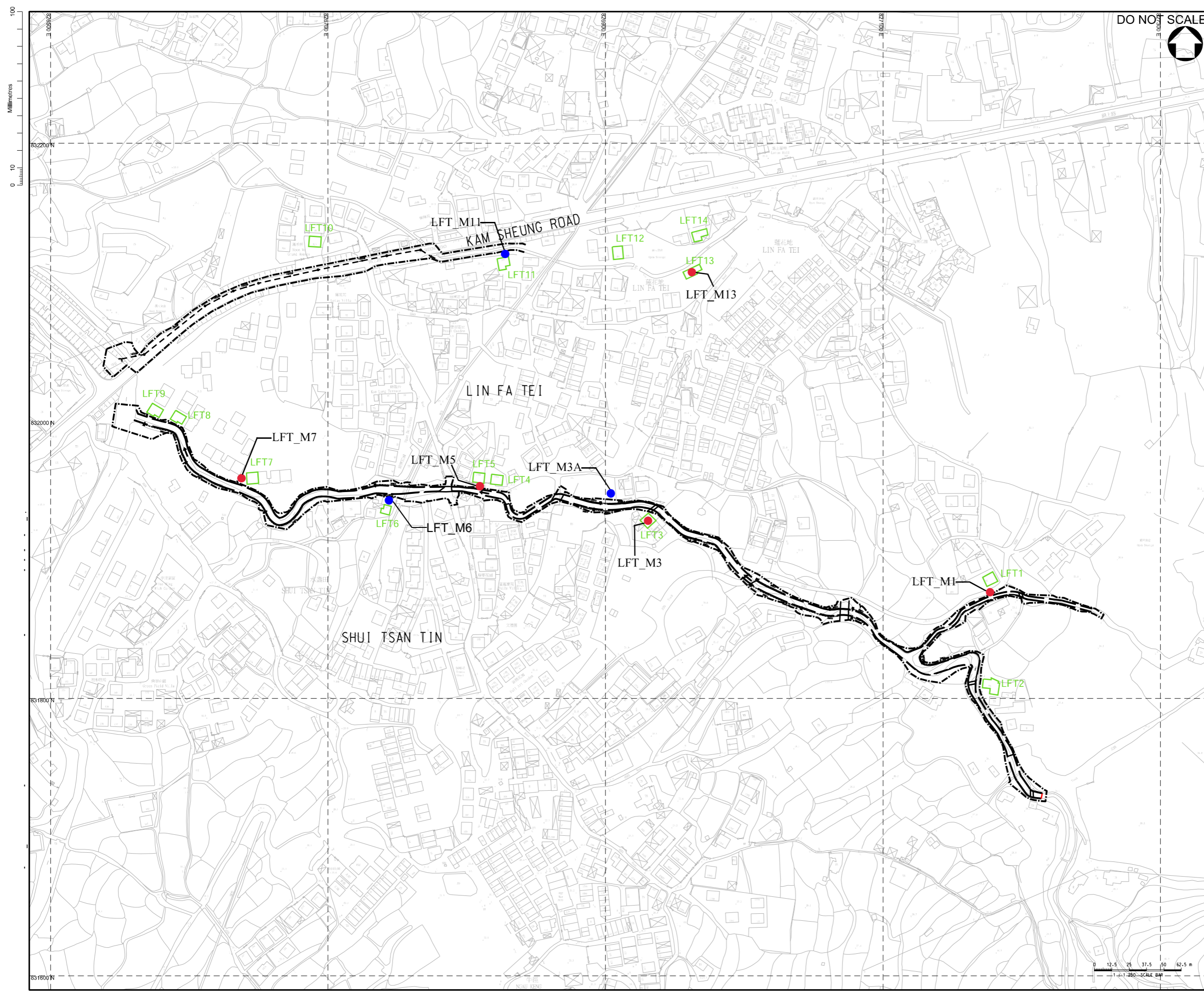
**ATKINS**  
Member of the SNC-Lavalin Group

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

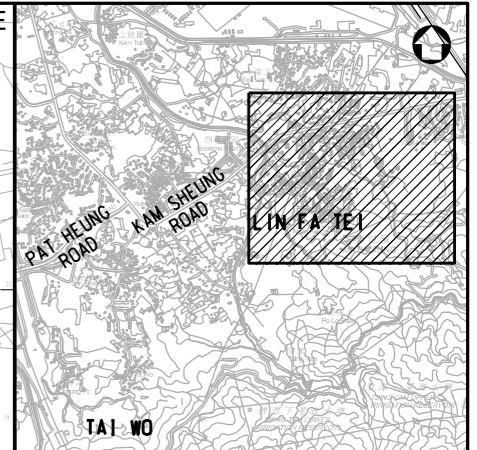
Contract Title  
CONTRACT NO. DC/2022/02  
DRAINAGE IMPROVEMENT WORKS  
AT YUEN LONG -  
STAGE 2

Drawing Title  
**Noise Monitoring Locations at  
Tai Wo**

Scale	Designed	Drawn	Checked	Authorised
1 : 500	SHC	AC	WCTT	KP
Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022
Drawing Number	Figure 3.1b			Revision
				A



DO NOT SCALE



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

Contract Status: **CONTRACT**

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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

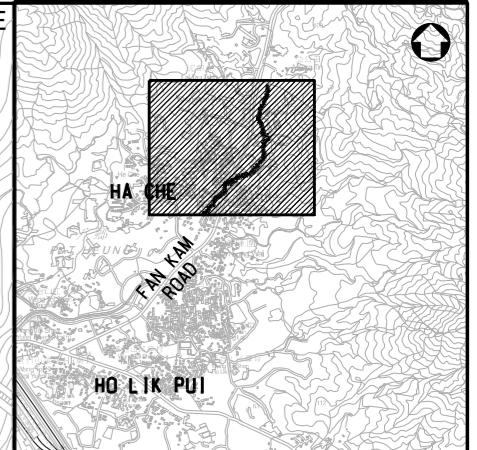
Drawing Title:  
**Noise Monitoring Locations at  
Lin Fa Tei**

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

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Millimetres

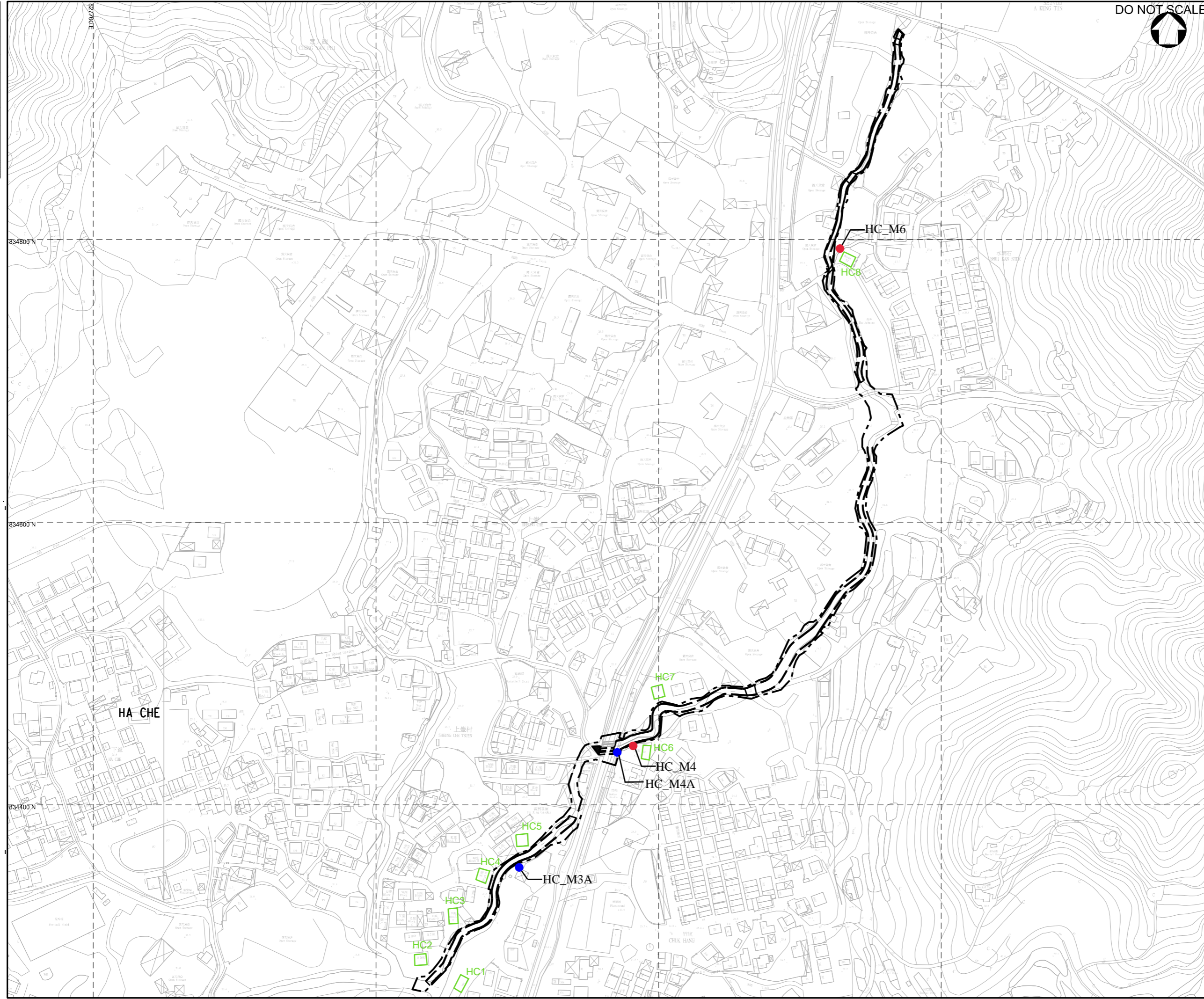
DO NOT SCALE



**KEY PLAN**  
N.T.S.

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

**Note:**  
(1) HC\_M4A is proposed to temporarily replace HC\_M4 for construction noise monitoring.



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**



Client: 渠務署  
Drainage Services Department

Project Management Division

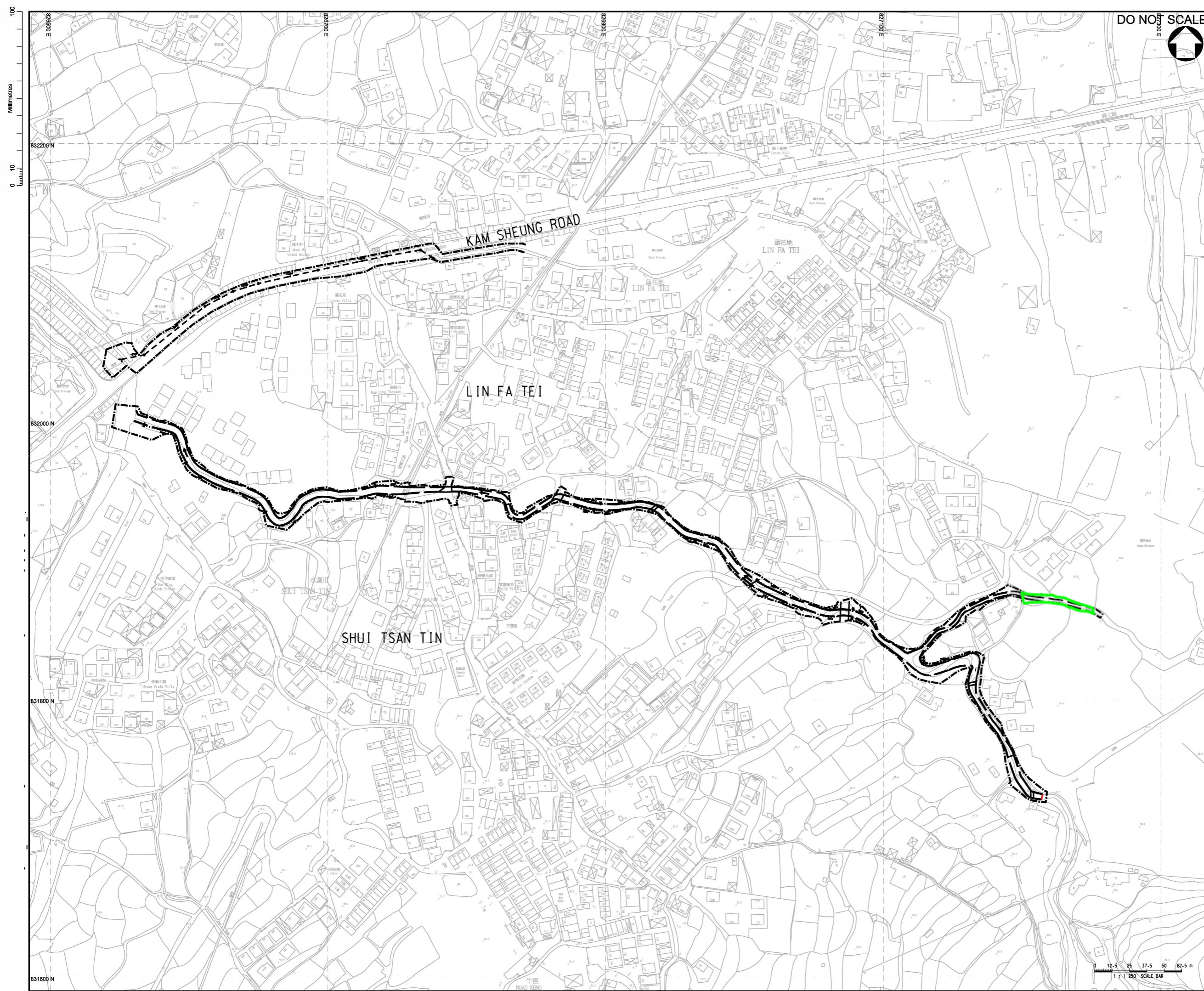
Contract Title: CONTRACT NO. DC/2022/02  
DRAINAGE IMPROVEMENT WORKS  
AT YUEN LONG - STAGE 2

Drawing Title: **Noise Monitoring Locations at Ha Che**

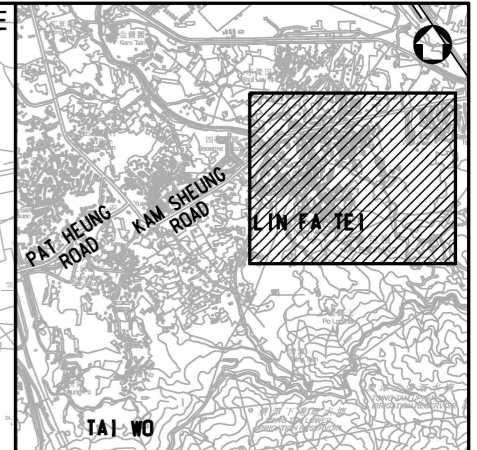
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Original Size	Date	Date	Date	Date
A1	JUL 2022	JUL 2022	JUL 2022	JUL 2022

Drawing Number: **Figure 2.4**

**Figure 8.1 Area for Archaeological Survey**



DO NOT SCALE



**KEY PLAN**  
N.T.S.

- LEGEND:**
- WORKS BOUNDARY
  - RECTANGULAR CHANNEL
  - COVERED U-CHANNEL WITH NON-HEAVY DUTY PRECAST CONCRETE COVER
  - MANHOLE
  - AREA IDENTIFIED FOR ARCHAEOLOGICAL SURVEY

Rev.	Date	Description	By	Chkd	App'd	Suitability
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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Project Management Division

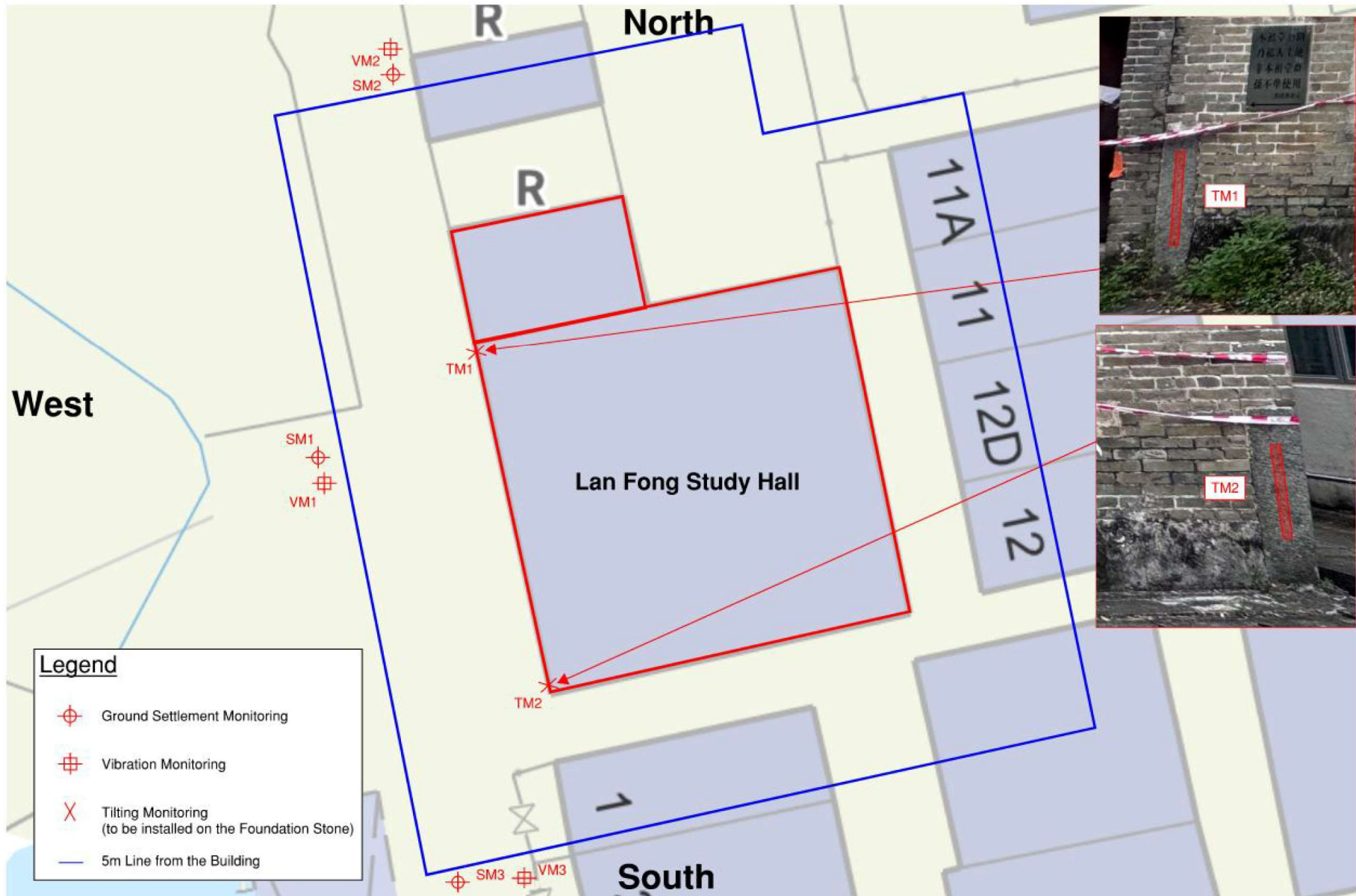
Contract Title: **CONTRACT NO. DC/2022/02  
DRAINAGE IMPROVEMENT WORKS  
AT YUEN LONG -  
STAGE 2**





Drawing Title: **AREA IDENTIFIED FOR ARCHAEOLOGICAL  
SURVEY**

Scale	Designed	Drawn	Checked	Authorised
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Original Size	Date	Date	Date	Date
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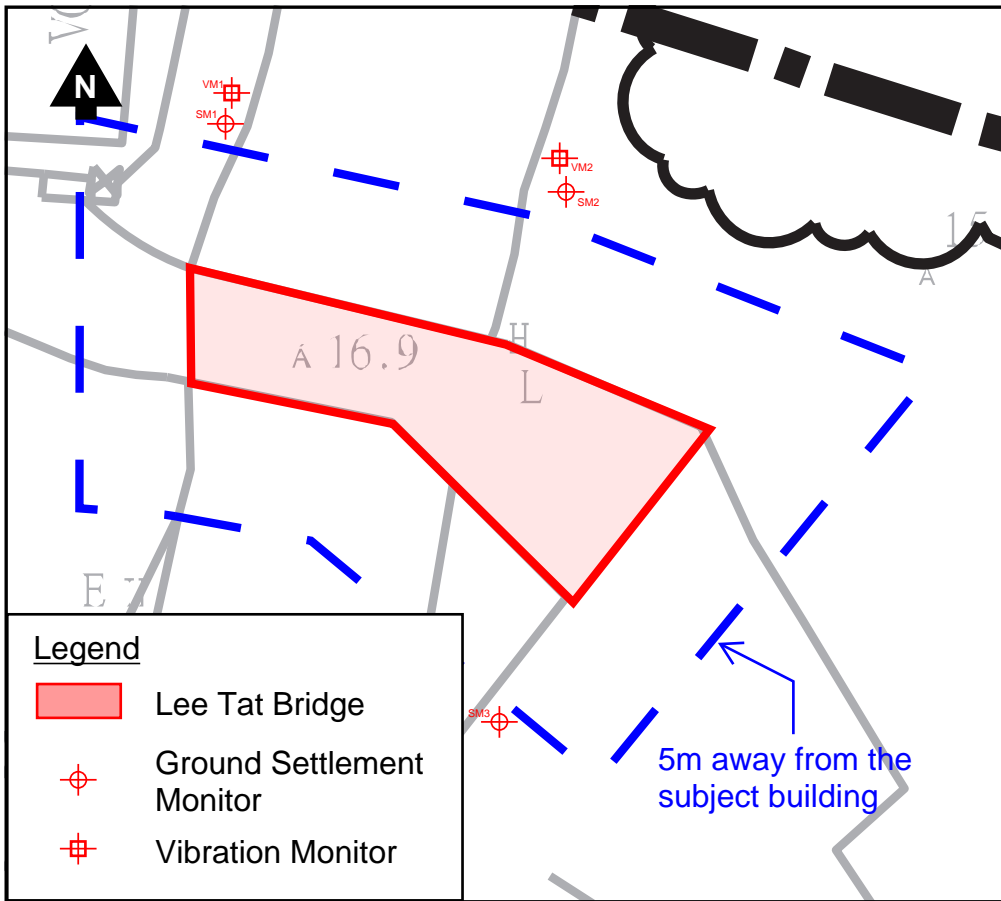
Drawing Number: **Figure 8.1**

**Figure 8.2 Monitoring Locations of Lan Fong Study Hall  
at Ha Che**

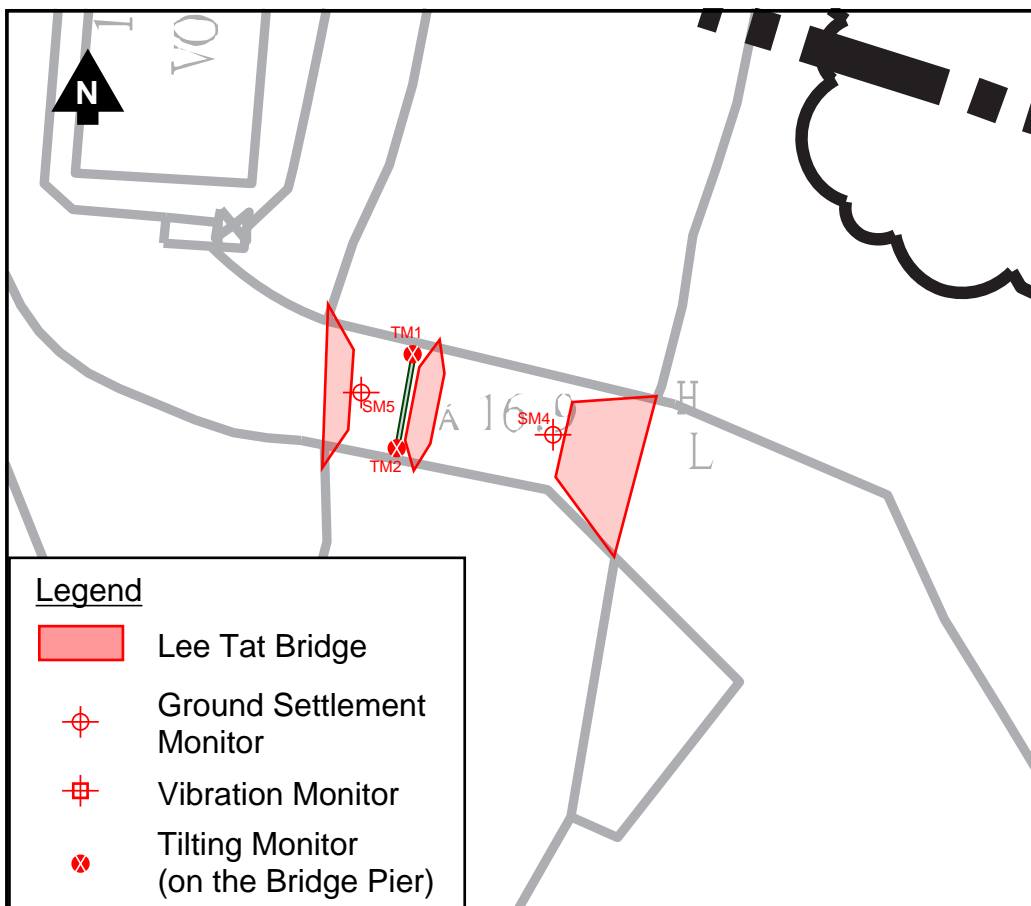


- Legend**
-  Ground Settlement Monitoring
  -  Vibration Monitoring
  -  Tilting Monitoring (to be installed on the Foundation Stone)
  -  5m Line from the Building

**Figure 8.3** Monitoring Locations of Lee Tat Bridge at Lin Fa Tei

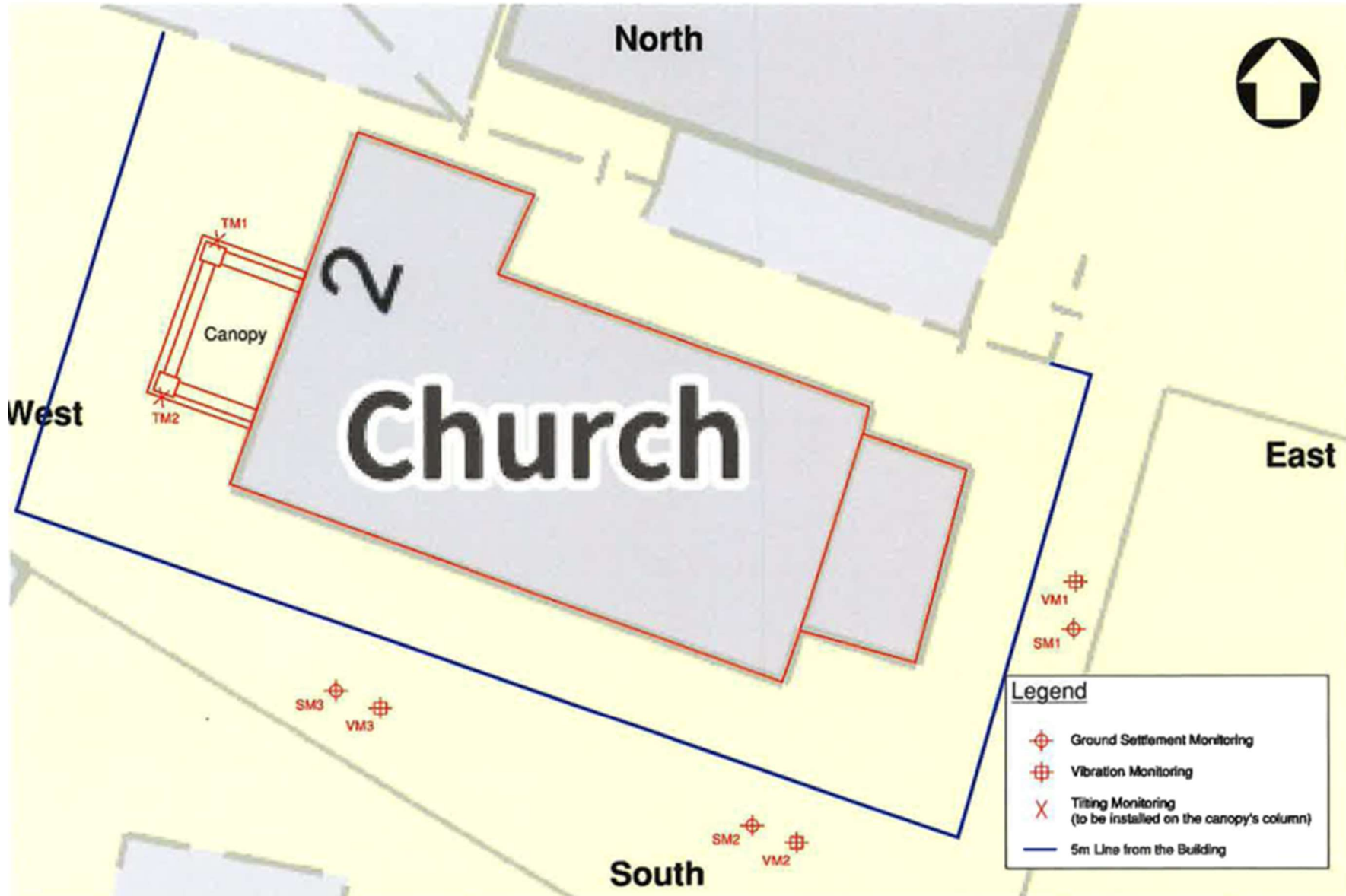


Monitoring Point (Ground Level)



Monitoring Point (Below Bridge Deck)

**Figure 8.4 Monitoring Locations of St. John Chapel at Tai Wo**



# 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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	Half 1	2023 Half 2	2024 Half 1	2024 Half 2	2025 Half 1	2025 Half 2	2026 Half 1	2026 Half 2	2027 Half 1	2027 Half 2	
														A M J	J A S O N D	J F M A M J	J A S O N D	J F M A M J	A S O N D	F M A M J	A S O N D	J F M A M J	J A S O N D	
111	Concreting [A]		NA As Possible	3 days	2025/10/01	2025/10/03	2025/10/01	2025/10/03	2025/12/27	2025/12/29	87 days	0	110FS-15 days											
112	Walls		NA As Possible	55 days	2025/10/04	2025/11/27	2025/10/04	2025/11/27	2025/12/30	2026/02/22	87 days	1												
113	Rebar Fixing [A]		NA As Possible	35 days	2025/10/04	2025/11/07	2025/10/04	2025/11/07	2025/12/30	2026/02/02	87 days	1	111											
114	Formwork Erection and Cast-in items [A]		NA As Possible	35 days	2025/10/24	2025/11/27	2025/10/24	2025/11/27	2026/01/19	2026/02/22	87 days	1	113FS-15 days											
115	Concreting [A]		NA As Possible	3 days	2025/11/13	2025/11/15	2025/11/13	2025/11/15	2026/02/08	2026/02/10	87 days	0	114FS-15 days											
116	Backfilling and Compaction [A]		NA As Possible	25 days	2025/11/16	2025/12/10	2025/11/16	2025/12/10	2026/02/11	2026/03/07	87 days	0	115											
117	Removal of Sheetpiles [A]		NA As Possible	20 days	2025/11/26	2025/12/15	2025/11/26	2025/12/15	2026/02/21	2026/03/12	87 days	0	116FS-15 days											
118	Pedestrian Crossing no. 4 [A]	2027/03/31	o Later Than	21 days	2025/12/01	2025/12/21	2025/12/01	2025/12/21	2026/02/26	2026/03/18	87 days	3	117FS-15 days											
119	[N Cxxx] Obstruction by existing structure		NA As Possible	30 days	2025/12/22	2026/01/20	2025/12/22	2026/01/20	2026/03/19	2026/04/17	87 days	0	118											
120	Demolish & relocate retaining wall YLL796/A/20-22		NA As Possible	30 days	2026/01/21	2026/02/19	2026/01/21	2026/02/19	2026/04/18	2026/05/17	87 days	0	119											
121	LFT09 CH.A391.00- CH.A464.00		NA As Possible	173 days	2026/01/31	2026/07/22	2026/01/31	2026/07/22	2026/04/28	2026/10/17	87 days	1												
122	Temp. Drainage Diversion / Sheetpiling [A]		NA As Possible	40 days	2026/03/11	2026/03/11	2026/03/11	2026/03/11	2026/04/28	2026/06/06	87 days	1	120FS-20 days											
123	Excavation and Lateral Support		NA As Possible	40 days	2026/02/25	2026/04/05	2026/02/25	2026/04/05	2026/05/23	2026/07/01	87 days	1	122FS-15 days											
124	Ground and Edge Beams		NA As Possible	53 days	2026/03/22	2026/05/13	2026/03/22	2026/05/13	2026/06/17	2026/08/08	87 days	1												
125	Rebar Fixing		NA As Possible	35 days	2026/03/22	2026/04/25	2026/03/22	2026/04/25	2026/06/17	2026/07/21	87 days	1	123FS-15 days											
126	Formwork Erection and Cast-in items		NA As Possible	35 days	2026/04/09	2026/05/13	2026/04/09	2026/05/13	2026/07/05	2026/08/08	87 days	1	125FS-17 days											
127	Concreting		NA As Possible	4 days	2026/04/27	2026/04/30	2026/04/27	2026/04/30	2026/07/23	2026/07/26	87 days	0	126FS-17 days											
128	Walls		NA As Possible	53 days	2026/05/01	2026/06/22	2026/05/01	2026/06/22	2026/07/27	2026/09/17	87 days	1												
129	Rebar Fixing		NA As Possible	35 days	2026/05/01	2026/06/04	2026/05/01	2026/06/04	2026/07/27	2026/08/30	87 days	1	127											
130	Formwork Erection and Cast-in items		NA As Possible	35 days	2026/05/19	2026/06/22	2026/05/19	2026/06/22	2026/08/14	2026/09/17	87 days	1	129FS-17 days											
131	Concreting		NA As Possible	4 days	2026/06/06	2026/06/09	2026/06/06	2026/06/09	2026/09/01	2026/09/04	87 days	0	130FS-17 days											
132	Backfilling and Compaction		NA As Possible	30 days	2026/06/10	2026/07/09	2026/06/10	2026/07/09	2026/09/05	2026/10/04	87 days	0	131											
133	Removal of Sheetpiles		NA As Possible	30 days	2026/06/23	2026/07/22	2026/06/23	2026/07/22	2026/09/18	2026/10/17	87 days	0	132FS-17 days											
134	Pedestrian & Vehicular Crossing no. 3		NA As Possible	28 days	2026/07/06	2026/08/02	2026/07/06	2026/08/02	2026/10/01	2026/10/28	87 days	4	133FS-17 days											
135	LFT10 CH.A464.00- CH.A554.00		NA As Possible	164 days	2026/07/13	2026/12/23	2026/07/13	2026/12/23	2026/10/08	2027/03/20	87 days	1												
136	Temp. Drainage Diversion / Sheetpiling		NA As Possible	50 days	2026/07/13	2026/08/31	2026/07/13	2026/08/31	2026/10/08	2026/11/26	87 days	1	134FS-21 days											
137	Excavation and Lateral Support		NA As Possible	50 days	2026/08/17	2026/10/05	2026/08/17	2026/10/05	2026/11/12	2026/12/31	87 days	1	136FS-15 days											
138	Ground and Edge Beams		NA As Possible	50 days	2026/09/19	2026/11/07	2026/09/19	2026/11/07	2026/12/15	2027/02/02	87 days	1												
139	Install precast portion (ground beam)		NA As Possible	28 days	2026/09/19	2026/10/16	2026/09/19	2026/10/16	2026/12/15	2027/01/11	87 days	0	137FS-17 days											
140	Rebar Fixing		NA As Possible	30 days	2026/09/26	2026/10/25	2026/09/26	2026/10/25	2026/12/22	2027/01/20	87 days	1	139FS-21 days											
141	Formwork Erection and Cast-in items		NA As Possible	30 days	2026/10/09	2026/11/07	2026/10/09	2026/11/07	2027/01/04	2027/02/02	87 days	1	140FS-17 days											
142	Concreting		NA As Possible	2 days	2026/10/22	2026/10/23	2026/10/22	2026/10/23	2027/01/17	2027/01/18	87 days	0	141FS-17 days											
143	Walls		NA As Possible	33 days	2026/10/24	2026/11/25	2026/10/24	2026/11/25	2027/01/19	2027/02/20	87 days	1												
144	Rebar Fixing		NA As Possible	25 days	2026/10/24	2026/11/17	2026/10/24	2026/11/17	2027/01/19	2027/02/12	87 days	1	142											
145	Formwork Erection and Cast-in items		NA As Possible	25 days	2026/11/01	2026/11/25	2026/11/01	2026/11/25	2027/01/27	2027/02/20	87 days	1	144FS-17 days											
146	Concreting		NA As Possible	2 days	2026/11/09	2026/11/10	2026/11/09	2026/11/10	2027/02/04	2027/02/05	87 days	0	145FS-17 days											
147	Backfilling and Compaction		NA As Possible	30 days	2026/11/11	2026/12/10	2026/11/11	2026/12/10	2027/02/06	2027/03/07	87 days	0	146											
148	Removal of Sheetpiles		NA As Possible	30 days	2026/11/24	2026/12/23	2026/11/24	2026/12/23	2027/02/19	2027/03/20	87 days	0	147FS-17 days											
149	Pedestrian & Vehicular Crossing no. 4		NA As Possible	28 days	2026/12/07	2027/01/03	2026/12/07	2027/01/03	2027/03/04	2027/03/31	87 days	4	148FS-17 days											
150	Relocate Septic Tank & Soakaway Pit	2027/03/31	o Later Than	21 days	2026/12/14	2027/01/03	2026/12/14	2027/01/03	2027/03/11	2027/03/31	87 days	4	149FS-21 days											
151																								
152	LFT12 CH.A740.00- CH.A780.00		NA As Possible	352 days	2025/08/01	2026/07/18	2025/08/01	2026/07/18	2025/08/01	2027/03/31	0 days													
153	Temp. Drainage Diversion / Sheetpiling		NA As Possible	25 days	2025/08/01	2025/08/25	2025/08/01	2025/08/25	2025/08/01	2025/08/25	0 days	0	107FS-31 days											
154	[N Cxxx] Discovery of kiln		NA As Possible	60 days	2025/08/26	2025/10/24	2025/08/26	2025/10/24	2025/08/26	2025/10/24	0 days	0	153											
155	[N Cxxx] Underground obstruction at Park Ridge		NA As Possible	60 days	2025/10/25	2025/12/23	2025/10/25	2025/12/23	2025/10/25	2025/12/23	0 days	0	154											
156	Excavation and Lateral Support [A]		NA As Possible	40 days	2025/12/24	2026/02/01	2025/12/24	2026/02/01	2026/09/05	2026/10/15	256 days	0	155											
157	Ground and Edge Beams		NA As Possible	83 days	2026/01/16	2026/04/08	2026/01/16	2026/04/08	2026/09/29	2026/12/20	256 days	0												
158	Rebar Fixing [A]		NA As Possible	50 days	2026/01/16	2026/03/06	2026/01/16	2026/03/06	2026/09/29	2026/11/17	256 days	0	156FS-17 days											
159	Formwork Erection and Cast-in items [A]		NA As Possible	50 days	2026/02/18	2026/04/08	2026/02/18	2026/04/08	2026/11/01	2026/12/20	256 days	0	158FS-17 days											
160	Concreting [A]		NA As Possible	3 days	2026/03/23	2026/03/25	2026/03/23	2026/03/25	2026/12/04	2026/12/06	256 days	0	159FS-17 days											
161	Walls		NA As Possible	83 days	2026/03/26	2026/06/16	2026/03/26	2026/06/16	2026/12/07	2027/02/27	256 days	0												
162	Rebar Fixing		NA As Possible	50 days	2026/03/26	2026/05/14	2026/03/26	2026/05/14	2026/12/07	2027/01/25														

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ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	Half 1	2023 Half 2	2024 Half 1	2024 Half 2	2025 Half 1	2025 Half 2	2026 Half 1	2026 Half 2	2027 Half 1	2027 Half 2	
202	Concreting		NA As Possible	3 days	2026/11/22	2026/11/24	2026/11/22	2026/11/24	2026/11/22	2026/11/24	0 days	0	201FS-17 days											
203	Walls		NA As Possible	83 days	2026/11/25	2027/02/15	2026/11/25	2027/02/15	2026/11/25	2027/02/15	0 days	0												
204	Rebar Fixing		NA As Possible	50 days	2026/11/25	2027/01/13	2026/11/25	2027/01/13	2026/11/25	2027/01/13	0 days	0	202											
205	Formwork Erection and Cast-in items		NA As Possible	50 days	2026/12/28	2027/02/15	2026/12/28	2027/02/15	2026/12/28	2027/02/15	0 days	0	204FS-17 days											
206	Concreting		NA As Possible	4 days	2027/01/30	2027/02/02	2027/01/30	2027/02/02	2027/01/30	2027/02/02	0 days	0	205FS-17 days											
207	Backfilling and Compaction		NA As Possible	30 days	2027/02/03	2027/03/04	2027/02/03	2027/03/04	2027/02/03	2027/03/04	0 days	0	206											
208	Removal of Sheetpiles		NA As Possible	30 days	2027/02/18	2027/03/19	2027/02/18	2027/03/19	2027/02/18	2027/03/19	0 days	0	207FS-15 days											
209	LFT11 CH.A700.00- CH.A740.00		NA As Possible	250 days	2026/07/13	2027/03/19	2026/07/13	2027/03/19	2026/07/13	2027/03/19	0 days	0												
210	Temp. Drainage Diversion / Sheetpiling		NA As Possible	50 days	2026/07/13	2026/08/31	2026/07/13	2026/08/31	2026/07/13	2026/08/31	0 days	0	195FS-17 days											
211	Excavation and Lateral Support		NA As Possible	50 days	2026/08/15	2026/10/03	2026/08/15	2026/10/03	2026/08/15	2026/10/03	0 days	0	210FS-17 days											
212	Ground and Edge Beams		NA As Possible	83 days	2026/09/17	2026/12/08	2026/09/17	2026/12/08	2026/09/17	2026/12/08	0 days	0												
213	Rebar Fixing		NA As Possible	50 days	2026/09/17	2026/11/05	2026/09/17	2026/11/05	2026/09/17	2026/11/05	0 days	0	211FS-17 days											
214	Formwork Erection and Cast-in items		NA As Possible	50 days	2026/10/20	2026/12/08	2026/10/20	2026/12/08	2026/10/20	2026/12/08	0 days	0	213FS-17 days											
215	Concreting		NA As Possible	3 days	2026/11/22	2026/11/24	2026/11/22	2026/11/24	2026/11/22	2026/11/24	0 days	0	214FS-17 days											
216	Walls		NA As Possible	83 days	2026/11/25	2027/02/15	2026/11/25	2027/02/15	2026/11/25	2027/02/15	0 days	0												
217	Rebar Fixing		NA As Possible	50 days	2026/11/25	2027/01/13	2026/11/25	2027/01/13	2026/11/25	2027/01/13	0 days	0	215											
218	Formwork Erection and Cast-in items		NA As Possible	50 days	2026/12/28	2027/02/15	2026/12/28	2027/02/15	2026/12/28	2027/02/15	0 days	0	217FS-17 days											
219	Concreting		NA As Possible	4 days	2027/01/30	2027/02/02	2027/01/30	2027/02/02	2027/01/30	2027/02/02	0 days	0	218FS-17 days											
220	Backfilling and Compaction		NA As Possible	30 days	2027/02/03	2027/03/04	2027/02/03	2027/03/04	2027/02/03	2027/03/04	0 days	0	219											
221	Removal of Sheetpiles		NA As Possible	30 days	2027/02/18	2027/03/19	2027/02/18	2027/03/19	2027/02/18	2027/03/19	0 days	0	220FS-15 days											
222	Animal Escape Ramp	2027/03/31 o Later Than		12 days	2027/03/20	2027/03/31	2027/03/20	2027/03/31	2027/03/20	2027/03/31	0 days	0	208,221											
223	U-channels	2027/03/31 o Later Than		22 days	2027/03/10	2027/03/31	2027/03/10	2027/03/31	2027/03/10	2027/03/31	0 days	0	208FS-10 days											
224	ABWF works	2027/03/31 o Later Than		22 days	2027/03/10	2027/03/31	2027/03/10	2027/03/31	2027/03/10	2027/03/31	0 days	0	208FS-10 days											
225	Bedding works	2027/03/31 o Later Than		22 days	2027/03/10	2027/03/31	2027/03/10	2027/03/31	2027/03/10	2027/03/31	0 days	0	208FS-10 days											
226																								
227	Demolition of existing crossing		NA As Possible	30 days	2025/07/01	2025/07/30	2025/07/01	2025/07/30	2026/03/28	2026/04/26	270 days	0	21FS+180 days											
228	LFT01 CH.A0.00-CH.A100.00 (PC1-PC2)		NA As Possible	90 days	2025/07/11	2025/10/08	2025/07/11	2025/10/08	2026/04/07	2026/07/05	270 days	0												
229	Temp. Drainage Diversion / Sheetpiling [A]		NA As Possible	25 days	2025/07/11	2025/08/04	2025/07/11	2025/08/04	2026/04/17	2026/05/01	270 days	1	227FS-20 days											
230	Excavation and Lateral Support [A]		NA As Possible	25 days	2025/07/21	2025/08/14	2025/07/21	2025/08/14	2026/04/17	2026/05/11	270 days	1	229FS-15 days											
231	Ground and Edge Beams		NA As Possible	40 days	2025/07/29	2025/09/06	2025/07/29	2025/09/06	2026/04/25	2026/06/03	270 days	0												
232	Install precast portion (ground beam) [A]		NA As Possible	28 days	2025/07/29	2025/08/25	2025/07/29	2025/08/25	2026/04/25	2026/05/22	270 days	0	230FS-17 days											
233	Rebar Fixing [A]		NA As Possible	25 days	2025/08/05	2025/08/29	2025/08/05	2025/08/29	2026/05/02	2026/05/26	270 days	1	232FS-21 days											
234	Formwork Erection and Cast-in items [A]		NA As Possible	25 days	2025/08/13	2025/09/06	2025/08/13	2025/09/06	2026/05/10	2026/06/03	270 days	1	233FS-17 days											
235	Concreting [A]		NA As Possible	1 day	2025/08/21	2025/08/21	2025/08/21	2025/08/21	2026/05/18	2026/05/18	270 days	0	234FS-17 days											
236	Walls		NA As Possible	33 days	2025/08/22	2025/09/23	2025/08/22	2025/09/23	2026/05/19	2026/06/20	270 days	0												
237	Rebar Fixing [A]		NA As Possible	25 days	2025/08/22	2025/09/15	2025/08/22	2025/09/15	2026/05/19	2026/06/12	270 days	1	235											
238	Formwork Erection and Cast-in items [A]		NA As Possible	25 days	2025/08/30	2025/09/23	2025/08/30	2025/09/23	2026/05/27	2026/06/20	270 days	1	237FS-17 days											
239	Concreting [A]		NA As Possible	1 day	2025/09/07	2025/09/07	2025/09/07	2025/09/07	2026/06/04	2026/06/04	270 days	0	238FS-17 days											
240	Backfilling and Compaction [A]		NA As Possible	24 days	2025/09/08	2025/10/01	2025/09/08	2025/10/01	2026/06/05	2026/06/28	270 days	0	239											
241	Removal of Sheetpiles		NA As Possible	24 days	2025/09/15	2025/10/08	2025/09/15	2025/10/08	2026/06/12	2026/07/05	270 days	0	240FS-17 days											
242	Pedestrian Crossing no. 1	2027/03/31 o Later Than		20 days	2025/09/22	2025/10/11	2025/09/22	2025/10/11	2026/06/19	2026/07/08	270 days	0	241FS-17 days											
243	LFT03 CH.B0.00-CH.B51.00 (PC3)		NA As Possible	85 days	2025/10/12	2026/01/04	2025/10/12	2026/01/04	2026/07/09	2026/10/01	270 days	0												
244	Temp. Drainage Diversion / Sheetpiling		NA As Possible	25 days	2025/10/12	2025/11/05	2025/10/12	2025/11/05	2026/07/09	2026/08/02	270 days	1	242											
245	Excavation and Lateral Support		NA As Possible	25 days	2025/10/22	2025/11/15	2025/10/22	2025/11/15	2026/07/19	2026/08/12	270 days	1	244FS-15 days											
246	Ground and Edge Beams		NA As Possible	33 days	2025/10/30	2025/12/01	2025/10/30	2025/12/01	2026/07/27	2026/08/28	270 days	0												
247	Rebar Fixing		NA As Possible	25 days	2025/10/30	2025/11/23	2025/10/30	2025/11/23	2026/07/27	2026/08/20	270 days	1	245FS-17 days											
248	Formwork Erection and Cast-in items		NA As Possible	25 days	2025/11/07	2025/12/01	2025/11/07	2025/12/01	2026/08/04	2026/08/28	270 days	1	247FS-17 days											
249	Concreting		NA As Possible	1 day	2025/11/15	2025/11/15	2025/11/15	2025/11/15	2026/08/12	2026/08/12	270 days	0	248FS-17 days											
250	Walls		NA As Possible	33 days	2025/11/16	2025/12/18	2025/11/16	2025/12/18	2026/08/13	2026/09/14	270 days	0												
251	Rebar Fixing		NA As Possible	25 days	2025/11/16	2025/12/10	2025/11/16	2025/12/10	2026/08/13	2026/09/06	270 days	1	249											
252	Formwork Erection and Cast-in items		NA As Possible	25 days	2025/11/24	2025/12/18	2025/11/24	2025/12/18	2026/08/21	2026/09/14	270 days	1	251FS-17 days											
253	Concreting		NA As Possible	1 day	2025/12/02	2025/12/02	2025/12/02	2025/12/02	2026/08/29	2026/08/29	270 days	0	252FS-17 days											
254	Backfilling and Compaction		NA As Possible	25 days	2025/12/03	2025/12/27	2025/12/03	2025/12/27																

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ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	Half 1	2023 Half 2	2024 Half 1	2024 Half 2	2025 Half 1	2025 Half 2	2026 Half 1	2026 Half 2	2027 Half 1	2027 Half 2	
31	Manhole Construction		NA As Possible	10 days	2025/09/05	2025/09/14	2025/09/05	2025/09/14	2025/09/05	2025/09/14	0 days	2	30FS-2 days											
32	Reinstatement		NA As Possible	8 days	2025/09/15	2025/09/22	2025/09/15	2025/09/22	2025/09/15	2025/09/22	0 days	0	31											
33	TTA Removal		NA As Possible	1 day	2025/09/23	2025/09/23	2025/09/23	2025/09/23	2025/09/23	2025/09/23	0 days	0	32											
34	LFT.D4-LFT.D5.1650PC.B.L=50.95.D=3.417		NA As Possible	91 days	2025/09/24	2025/12/23	2025/09/24	2025/12/23	2025/09/24	2025/12/23	0 days													
35	Stage 1		NA As Possible	52 days	2025/09/24	2025/11/14	2025/09/24	2025/11/14	2025/09/24	2025/11/14	0 days													
36	TTA Implementation		NA As Possible	2 days	2025/09/24	2025/09/25	2025/09/24	2025/09/25	2025/09/24	2025/09/25	0 days	0	33											
37	Breaking Ground		NA As Possible	10 days	2025/09/24	2025/10/03	2025/09/24	2025/10/03	2025/09/24	2025/10/03	0 days	2	36FS-2 days											
38	Excavation and Lateral Support		NA As Possible	12 days	2025/10/02	2025/10/13	2025/10/02	2025/10/13	2025/10/02	2025/10/13	0 days	2	37FS-2 days											
39	Drain Laying		NA As Possible	10 days	2025/10/12	2025/10/21	2025/10/12	2025/10/21	2025/10/12	2025/10/21	0 days	2	38FS-2 days											
40	Bedding and Backfilling		NA As Possible	8 days	2025/10/20	2025/10/27	2025/10/20	2025/10/27	2025/10/20	2025/10/27	0 days	0	39FS-2 days											
41	Manhole Construction		NA As Possible	10 days	2025/10/26	2025/11/04	2025/10/26	2025/11/04	2025/10/26	2025/11/04	0 days	2	40FS-2 days											
42	Reinstatement		NA As Possible	8 days	2025/11/05	2025/11/12	2025/11/05	2025/11/12	2025/11/05	2025/11/12	0 days	0	41											
43	TTA Removal		NA As Possible	2 days	2025/11/13	2025/11/14	2025/11/13	2025/11/14	2025/11/13	2025/11/14	0 days	0	42											
44	Stage 2		NA As Possible	39 days	2025/11/15	2025/12/23	2025/11/15	2025/12/23	2025/11/15	2025/12/23	0 days													
45	TTA Implementation		NA As Possible	2 days	2025/11/15	2025/11/16	2025/11/15	2025/11/16	2025/11/15	2025/11/16	0 days	0	43											
46	Breaking Ground		NA As Possible	8 days	2025/11/15	2025/11/22	2025/11/15	2025/11/22	2025/11/15	2025/11/22	0 days	2	45FS-2 days											
47	Excavation and Lateral Support		NA As Possible	10 days	2025/11/21	2025/11/30	2025/11/21	2025/11/30	2025/11/21	2025/11/30	0 days	2	46FS-2 days											
48	Drain Laying		NA As Possible	8 days	2025/11/29	2025/12/06	2025/11/29	2025/12/06	2025/11/29	2025/12/06	0 days	2	47FS-2 days											
49	Bedding and Backfilling		NA As Possible	6 days	2025/12/05	2025/12/10	2025/12/05	2025/12/10	2025/12/05	2025/12/10	0 days	0	48FS-2 days											
50	Manhole Construction		NA As Possible	8 days	2025/12/09	2025/12/16	2025/12/09	2025/12/16	2025/12/09	2025/12/16	0 days	2	49FS-2 days											
51	Reinstatement		NA As Possible	6 days	2025/12/17	2025/12/22	2025/12/17	2025/12/22	2025/12/17	2025/12/22	0 days	0	50											
52	TTA Removal		NA As Possible	1 day	2025/12/23	2025/12/23	2025/12/23	2025/12/23	2025/12/23	2025/12/23	0 days	0	51											
53	LFT.D5-NKT Channel.1650PC.B.L=14.5.D=3.54		NA As Possible	52 days	2025/12/24	2026/02/13	2025/12/24	2026/02/13	2025/12/24	2026/02/13	0 days													
54	TTA Implementation (trial run)		NA As Possible	4 days	2025/12/24	2025/12/27	2025/12/24	2025/12/27	2025/12/24	2025/12/27	0 days	0	52											
55	Breaking Ground		NA As Possible	10 days	2025/12/26	2026/01/04	2025/12/26	2026/01/04	2025/12/26	2026/01/04	0 days	0	54FS-2 days											
56	Excavation and Lateral Support		NA As Possible	13 days	2026/01/03	2026/01/15	2026/01/03	2026/01/15	2026/01/03	2026/01/15	0 days	1	55FS-2 days											
57	Drain Laying		NA As Possible	10 days	2026/01/14	2026/01/23	2026/01/14	2026/01/23	2026/01/14	2026/01/23	0 days	0	56FS-2 days											
58	Bedding and Backfilling		NA As Possible	8 days	2026/01/22	2026/01/29	2026/01/22	2026/01/29	2026/01/22	2026/01/29	0 days	0	57FS-2 days											
59	Manhole Construction		NA As Possible	10 days	2026/01/28	2026/02/06	2026/01/28	2026/02/06	2026/01/28	2026/02/06	0 days	0	58FS-2 days											
60	Reinstatement		NA As Possible	6 days	2026/02/07	2026/02/12	2026/02/07	2026/02/12	2026/02/07	2026/02/12	0 days	0	59											
61	TTA Removal		NA As Possible	1 day	2026/02/13	2026/02/13	2026/02/13	2026/02/13	2026/02/13	2026/02/13	0 days	0	60											
62	Proposed flap valve	2026/12/31 or Later Than		21 days	2026/02/14	2026/03/06	2026/02/14	2026/03/06	2026/12/11	2026/12/31	300 days	0	61											
63	LFT.D3-LFT.D3a.1650PC.B.L=13.9.D=3.418		NA As Possible	35 days	2026/02/14	2026/03/20	2026/02/14	2026/03/20	2026/02/14	2026/03/20	0 days													
64	TTA Implementation		NA As Possible	2 days	2026/02/14	2026/02/15	2026/02/14	2026/02/15	2026/02/14	2026/02/15	0 days	0	61											
65	Breaking Ground		NA As Possible	7 days	2026/02/14	2026/02/20	2026/02/14	2026/02/20	2026/02/14	2026/02/20	0 days	0	64FS-2 days											
66	Excavation and Lateral Support		NA As Possible	9 days	2026/02/19	2026/02/27	2026/02/19	2026/02/27	2026/02/19	2026/02/27	0 days	1	65FS-2 days											
67	Drain Laying		NA As Possible	7 days	2026/02/26	2026/03/04	2026/02/26	2026/03/04	2026/02/26	2026/03/04	0 days	0	66FS-2 days											
68	Bedding and Backfilling		NA As Possible	6 days	2026/03/03	2026/03/08	2026/03/03	2026/03/08	2026/03/03	2026/03/08	0 days	0	67FS-2 days											
69	Manhole Construction		NA As Possible	7 days	2026/03/07	2026/03/13	2026/03/07	2026/03/13	2026/03/07	2026/03/13	0 days	0	68FS-2 days											
70	Reinstatement		NA As Possible	6 days	2026/03/14	2026/03/19	2026/03/14	2026/03/19	2026/03/14	2026/03/19	0 days	0	69											
71	TTA Removal		NA As Possible	1 day	2026/03/20	2026/03/20	2026/03/20	2026/03/20	2026/03/20	2026/03/20	0 days	0	70											
72	LFT.D2-LFT.D3.1650PC.B.L=39.D=3.34		NA As Possible	82 days	2026/03/21	2026/06/10	2026/03/21	2026/06/10	2026/03/21	2026/06/10	0 days													
73	Stage 1		NA As Possible	46 days	2026/03/21	2026/05/05	2026/03/21	2026/05/05	2026/03/21	2026/05/05	0 days													
74	TTA Implementation		NA As Possible	2 days	2026/03/21	2026/03/22	2026/03/21	2026/03/22	2026/03/21	2026/03/22	0 days	0	71											
75	Breaking Ground		NA As Possible	9 days	2026/03/21	2026/03/29	2026/03/21	2026/03/29	2026/03/21	2026/03/29	0 days	2	74FS-2 days											
76	Excavation and Lateral Support		NA As Possible	11 days	2026/03/28	2026/04/07	2026/03/28	2026/04/07	2026/03/28	2026/04/07	0 days	2	75FS-2 days											
77	Drain Laying		NA As Possible	9 days	2026/04/06	2026/04/14	2026/04/06	2026/04/14	2026/04/06	2026/04/14	0 days	2	76FS-2 days											
78	Bedding and Backfilling		NA As Possible	7 days	2026/04/13	2026/04/19	2026/04/13	2026/04/19	2026/04/13	2026/04/19	0 days	0	77FS-2 days											
79	Manhole Construction		NA As Possible	9 days	2026/04/18	2026/04/26	2026/04/18	2026/04/26	2026/04/18	2026/04/26	0 days	2	78FS-2 days											
80	Reinstatement		NA As Possible	7 days	2026/04/27	2026/05/03	2026/04/27	2026/05/03	2026/04/27	2026/05/03	0 days	0	79											
81	TTA Removal		NA As Possible	2 days	2026/05/04	2026/05/05	2026/05/04	2026/05/05	2026/05/04	2026/05/05	0 days	0	80											
82	Stage 2		NA As Possible	36 days	2026/05/06	2026/06/10	2026/05/06	2026/06/10	2026/05/06	2026/06/10	0 days													
83	TTA Implementation		NA As Possible	2 days	2026/05/06	2026/05/07	2026/05/06	2026/05/07	2026/05/06	2026/05/07	0 days	0	81											
84	Breaking Ground		NA As Possible	7 days	2026/05/06	2026/05/12	2026/05/06	2026/05/12	2026/05/06	2026/05														

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ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	Half 1	2023 Half 2	2024 Half 1	2024 Half 2	2025 Half 1	2025 Half 2	2026 Half 1	2026 Half 2	2027 Half 1	2027 Half 2	
122	Excavation and Lateral Support		NA As Possible	7 days	2026/11/10	2026/11/16	2026/11/10	2026/11/16	2026/11/10	2026/11/16	0 days	1	121FS-2 days											
123	Drain Laying		NA As Possible	7 days	2026/11/15	2026/11/21	2026/11/15	2026/11/21	2026/11/15	2026/11/21	0 days	1	122FS-2 days											
124	Bedding and Backfilling		NA As Possible	4 days	2026/11/20	2026/11/23	2026/11/20	2026/11/23	2026/11/20	2026/11/23	0 days	0	123FS-2 days											
125	Manhole Construction		NA As Possible	7 days	2026/11/22	2026/11/28	2026/11/22	2026/11/28	2026/11/22	2026/11/28	0 days	0	124FS-2 days											
126	Reinstatement		NA As Possible	4 days	2026/11/29	2026/12/02	2026/11/29	2026/12/02	2026/11/29	2026/12/02	0 days	0	125											
127	TTA Removal		NA As Possible	1 day	2026/12/03	2026/12/03	2026/12/03	2026/12/03	2026/12/03	2026/12/03	0 days	0	126											
128	CCTV inspection and T&C		NA As Possible	14 days	2026/12/04	2026/12/17	2026/12/04	2026/12/17	2026/12/04	2026/12/17	0 days	4	127											
129	Final Reinstatement	2026/12/31 or Later Than		14 days	2026/12/18	2026/12/31	2026/12/18	2026/12/31	2026/12/18	2026/12/31	0 days	4	128											
128																								
129	Section IV		NA As Possible	1402 days	2023/05/30	2027/03/31	2023/05/30	2027/03/31	2023/05/30	2027/03/31	0 days													
2	access date of Portion D		NA As Possible	210 days	2023/05/30	2023/12/25	2023/05/30	2023/12/25	2023/05/30	2023/12/25	0 days	0	\192.168.50.250\dc											
3	[N CE033] access date of Portion D at Fu Hing Garden (Delayed access)		NA As Possible	981 days	2023/12/26	2026/09/01	2023/12/26	2026/09/01	2026/09/01	2026/09/01	0 days	2												
4	section IV (Ha Che)		NA As Possible	1095 days	2023/05/30	2026/05/28	2023/05/30	2026/05/28	2023/05/30	2026/05/28	0 days	0	\192.168.50.250\dc											
5	Extended Completion Day	2026/07/08 or Later Than		40.5 days	2026/05/29	2026/07/08	2026/05/29	2026/07/08	2026/05/29	2026/07/08	0 days	0	4											
6	Planned Completion Day	2027/03/31 or Later Than		307 days	2026/05/29	2027/03/31	2026/05/29	2027/03/31	2026/05/29	2027/03/31	0 days	0	4											
7	Early access (portion)		NA As Possible	144 days	2023/05/30	2023/10/20	2023/05/30	2023/10/20	2023/06/29	2023/11/19	30 days	0	\192.168.50.250\dc											
8	Access to remaining STLA		NA As Possible	1 day	2023/12/25	2023/12/25	2023/12/25	2023/12/25	2023/12/18	2026/12/18	1089 days	0	2FS-1 day											
9	Private Land Leasing		NA As Possible	12 days	2023/10/21	2023/11/01	2023/10/21	2023/11/01	2023/11/27	2023/12/08	37 days	0	7											
10	Site Establishment		NA As Possible	869 days	2023/09/12	2026/01/27	2023/09/12	2026/01/27	2023/10/15	2027/03/31	33 days													
11	Prepare and Accept Temp. Works Design and Method Statement		NA As Possible	855 days	2023/09/26	2026/01/27	2023/09/26	2026/01/27	2024/02/05	2026/06/08	132 days	0	\192.168.50.250\dc											
12	Public Liaison and Negotiation with Village Rep. [A]		NA As Possible	35 days	2023/09/12	2023/10/16	2023/09/12	2023/10/16	2023/10/15	2023/11/18	33 days	0	\192.168.50.250\dc											
13	Initial Survey [A]		NA As Possible	831 days	2023/10/20	2026/01/27	2023/10/20	2026/01/27	2024/02/29	2026/06/08	132 days	0	12 7FS-1 day											
15	Initial Safety & Environmental measures [A]		NA As Possible	20 days	2023/10/20	2023/11/08	2023/10/20	2023/11/08	2023/11/19	2023/12/08	30 days	0	12 7FS-1 day											
17	EIAO Commencement of Construction [A]		NA As Possible	1 day	2024/02/21	2024/02/21	2024/02/21	2024/02/21	2024/02/21	2024/02/21	0 days	0	\192.168.50.250\dc											
19	Environmental Baseline Monitoring [A]	2027/03/31 or Later Than		29 days	2024/01/23	2024/02/21	2024/01/23	2024/02/21	2024/02/20	2024/03/03	1135 days	0	17FS-30 days											
20	Freshwater Crab Translocation Plan [A]	2027/03/31 or Later Than		30 days	2023/12/23	2024/01/22	2023/12/23	2024/01/22	2027/03/02	2027/03/31	1165 days	0	9 17FS-30 days, 15											
21	Condition Survey & Str. Assessment (Shui Kan Shek Fu Hing Garden, Twin 1500)		NA As Possible	365 days	2023/11/09	2024/11/07	2023/11/09	2024/11/07	2024/01/18	2025/01/16	70 days	0	9 15											
22	UU detection [A]		NA As Possible	20 days	2023/11/09	2023/11/28	2023/11/09	2023/11/28	2023/12/29	2024/01/17	50 days	0	9 15											
23	Vegetation Survey [A]		NA As Possible	20 days	2023/11/09	2023/11/28	2023/11/09	2023/11/28	2023/12/29	2024/01/17	50 days	0	9 15											
24	Tree Survey and Felling [A]		NA As Possible	20 days	2023/11/09	2023/11/28	2023/11/09	2023/11/28	2023/12/29	2024/01/17	30 days	0	9 15											
25	Setup of instrumentation and monitoring [A]		NA As Possible	20 days	2023/11/29	2023/12/18	2023/11/29	2023/12/18	2023/12/29	2024/01/17	30 days	0	24											
26	Site Clearance [A]		NA As Possible	21 days	2023/12/19	2024/01/08	2023/12/19	2024/01/08	2024/01/18	2024/02/07	30 days	0	25, 23											
27	Establish access(es) to channels [A]		NA As Possible	21 days	2023/12/19	2024/01/08	2023/12/19	2024/01/08	2024/01/18	2024/02/07	30 days	0	22, 25											
28	Guarding / Barrier / Hoarding [A]		NA As Possible	21 days	2023/12/19	2024/01/08	2023/12/19	2024/01/08	2024/01/18	2024/02/07	30 days	0	22, 25											
29	Drainage Channel Works (East)		NA As Possible	1260 days	2023/10/19	2027/03/31	2023/10/19	2027/03/31	2024/02/08	2027/03/31	0 days													
30	HC05 CH.A284.946-CH.A339.556 (Ex. CH Str. Assessment)	2027/03/31 or Later Than		60 days	2024/11/08	2025/01/06	2024/11/08	2025/01/06	2027/01/31	2027/03/31	814 days	0	21											
31	(Deleted in PMI) Demolish & relocate wall, gate YLL797/2		NA As Possible	30 days	2023/12/26	2024/01/24	2023/12/26	2024/01/24	2026/12/19	2027/01/17	1089 days	0	8											
32	(Deleted in PMI) HC01 CH.A11.13-CH.A18.14		NA As Possible	45 days	2024/01/25	2024/03/09	2024/01/25	2024/03/09	2027/01/18	2027/03/03	1089 days	5	31											
33	(Deleted in PMI) Pedestrian & Vehicular Crossing no. 1 (Box Culvert no. 1)	2027/03/31 or Later Than		28 days	2024/04/06	2024/03/10	2024/04/06	2024/03/10	2024/03/04	2027/03/31	1089 days	0	32											
34	[PMI072] HC01 Additional Drainage Channel CH.A11.23-CH.A29.00		NA As Possible	166 days	2024/12/09	2025/05/23	2024/12/09	2025/05/23	2026/09/29	2027/03/13	659 days													
35	Liaison with local landlord and HAD for BC1 [A]	2024/12/09 Earlier Than		30 days	2024/12/09	2025/01/07	2024/12/09	2025/01/07	2026/09/29	2026/10/28	659 days													
36	Site Clearance and Hoarding [A]		NA As Possible	14 days	2025/01/08	2025/01/21	2025/01/08	2025/01/21	2026/10/29	2026/11/11	659 days	35												
37	Sheetpiling & Temp. Drainage Diversion [A]		NA As Possible	35 days	2025/01/22	2025/02/25	2025/01/22	2025/02/25	2026/11/12	2026/12/16	659 days	36												
38	Excavation and Lateral Support [A]		NA As Possible	35 days	2025/02/16	2025/03/22	2025/02/16	2025/03/22	2026/12/07	2027/01/10	659 days		37FS-10 days											
39	Ground Beams		NA As Possible	21 days	2025/03/13	2025/04/02	2025/03/13	2025/04/02	2027/01/01	2027/01/21	659 days													
40	Rebar Fixing [A]		NA As Possible	15 days	2025/03/13	2025/03/27	2025/03/13	2025/03/27	2027/01/01	2027/01/15	659 days		38FS-10 days											
41	Formwork Erection and Cast-in items [A]		NA As Possible	15 days	2025/03/18	2025/04/01	2025/03/18	2025/04/01	2027/01/06	2027/01/20	659 days		40FS-10 days											
42	Concreting [A]		NA As Possible	1 day	2025/04/02	2025/04/02	2025/04/02	2025/04/02	2027/01/21	2027/01/21	659 days	41												
43	Walls		NA As Possible	21 days	2025/04/03	2025/04/23	2025/04/03	2025/04/23	2027/01/22	2027/02/11	659 days													
44	Rebar Fixing [A]		NA As Possible	15 days	2025/04/03	2025/04/17	2025/04/03	2025/04/17	2027/01/22	2027/02/05	659 days	42												
45	Formwork Erection and Cast-in items [A]		NA As Possible	15 days	2025/04/08	2025/04/22	2025/04/08	2025/04/22	2027/01/27	2027/02/10	659 days		44FS-10 days											
46	Concreting [A]		NA As Possible	1 day	2025/04/23	2025/04/23	2025/04/23	2025/04/23	2027/02/11	2027/02/11	659 days	45												
47	Backfilling and Compaction [A]		NA As Possible	20 days	20																			

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ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	Half 1	2023, Half 2	2024, Half 1	2024, Half 2	2025, Half 1	2025, Half 2	2026, Half 1	2026, Half 2	2027, Half 1	2027, Half 2	
86	Removal of Sheetpiles [A]	NA	As Possible	20 days	2025/06/13	2025/07/02	2025/06/13	2025/07/02	2025/06/13	2025/07/02	0 days	0	85FS-10 days											
87	[PMI016] Revised Drainage Channel Details	2024/07/23	Earlier Than	90 days	2024/07/23	2024/10/20	2024/07/23	2024/10/20	2025/06/03	2025/08/31	315 days	0												
88	[N CExxx] Additional Trees behind Arbutus	NA	As Possible	120 days	2024/10/26	2025/02/22	2024/10/26	2025/02/22	2025/05/04	2025/08/31	190 days	0	68											
89	[N CExxx] Access to HC04	NA	As Possible	30 days	2025/07/03	2025/08/01	2025/07/03	2025/08/01	2025/07/03	2025/08/01	0 days	0	86											
90	[N CExxx] Uncharted underground obstruction at HC04	NA	As Possible	30 days	2025/08/02	2025/08/31	2025/08/02	2025/08/31	2025/08/02	2025/08/31	0 days	0	89											
91	[N CExxx] Additional request from Arbutus stakeholder	NA	As Possible	30 days	2025/09/01	2025/09/30	2025/09/01	2025/09/30	2027/03/02	2027/03/31	547 days	0	90											
92	HC04 CH.A195.853-CH.A284.946 (BC3-Ex-CH)	NA	As Possible	283 days	2025/09/01	2026/06/10	2025/09/01	2026/06/10	2025/09/01	2026/06/10	0 days	0												
93	Sheetpiling & Temp. Drainage Diversion [A]	NA	As Possible	70 days	2025/09/01	2025/11/09	2025/09/01	2025/11/09	2025/09/01	2025/11/09	0 days	2	87,88,86,89,90											
94	Excavation and Lateral Support	NA	As Possible	90 days	2025/10/26	2026/01/23	2025/10/26	2026/01/23	2025/10/26	2026/01/23	0 days	2	93FS-15 days											
95	Ground and Edge Beams	NA	As Possible	75 days	2026/01/09	2026/03/24	2026/01/09	2026/03/24	2026/01/09	2026/03/24	0 days	0												
96	Rebar Fixing	NA	As Possible	50 days	2026/01/09	2026/02/27	2026/01/09	2026/02/27	2026/01/09	2026/02/27	0 days	2	94FS-15 days											
97	Formwork Erection and Cast-in items	NA	As Possible	50 days	2026/02/03	2026/03/24	2026/02/03	2026/03/24	2026/02/03	2026/03/24	0 days	2	96FS-25 days											
98	Concreting	NA	As Possible	4 days	2026/02/28	2026/03/03	2026/02/28	2026/03/03	2026/02/28	2026/03/03	0 days	0	97FS-25 days											
99	Walls	NA	As Possible	75 days	2026/03/04	2026/05/17	2026/03/04	2026/05/17	2026/03/04	2026/05/17	0 days	0												
100	Rebar Fixing	NA	As Possible	50 days	2026/03/04	2026/04/22	2026/03/04	2026/04/22	2026/03/04	2026/04/22	0 days	2	98											
101	Formwork Erection and Cast-in items	NA	As Possible	50 days	2026/03/29	2026/05/17	2026/03/29	2026/05/17	2026/03/29	2026/05/17	0 days	2	100FS-25 days											
102	Concreting	NA	As Possible	4 days	2026/04/23	2026/04/26	2026/04/23	2026/04/26	2026/04/23	2026/04/26	0 days	0	101FS-25 days											
103	Backfilling and Compaction	NA	As Possible	40 days	2026/04/27	2026/06/05	2026/04/27	2026/06/05	2026/04/27	2026/06/05	0 days	0	102											
104	Removal of Sheetpiles	NA	As Possible	25 days	2026/05/17	2026/06/10	2026/05/17	2026/06/10	2026/05/17	2026/06/10	0 days	0	103FS-20 days											
105	Demolish & relocate drainage channel YLL797/12	NA	As Possible	20 days	2026/06/01	2026/06/20	2026/06/01	2026/06/20	2026/06/01	2026/06/20	0 days	0	104FS-10 days											
106	HC03 CH.A150-CH.A187.706 (BC2-3)	NA	As Possible	253 days	2026/06/21	2027/02/28	2026/06/21	2027/02/28	2026/06/21	2027/02/28	0 days	0												
107	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	60 days	2026/06/21	2026/08/19	2026/06/21	2026/08/19	2026/06/21	2026/08/19	0 days	2	105											
108	Excavation and Lateral Support	NA	As Possible	60 days	2026/08/05	2026/10/03	2026/08/05	2026/10/03	2026/08/05	2026/10/03	0 days	2	107FS-15 days											
109	Ground Beams	NA	As Possible	75 days	2026/09/19	2026/12/02	2026/09/19	2026/12/02	2026/09/19	2026/12/02	0 days	0												
110	Rebar Fixing	NA	As Possible	50 days	2026/09/19	2026/11/07	2026/09/19	2026/11/07	2026/09/19	2026/11/07	0 days	2	108FS-15 days											
111	Formwork Erection and Cast-in items	NA	As Possible	50 days	2026/10/14	2026/12/02	2026/10/14	2026/12/02	2026/10/14	2026/12/02	0 days	2	110FS-25 days											
112	Concreting	NA	As Possible	4 days	2026/11/08	2026/11/11	2026/11/08	2026/11/11	2026/11/08	2026/11/11	0 days	0	111FS-25 days											
113	Wall	NA	As Possible	75 days	2026/11/12	2027/01/25	2026/11/12	2027/01/25	2026/11/12	2027/01/25	0 days	0												
114	Rebar Fixing	NA	As Possible	50 days	2026/11/12	2026/12/31	2026/11/12	2026/12/31	2026/11/12	2026/12/31	0 days	2	112											
115	Formwork Erection and Cast-in items	NA	As Possible	50 days	2026/12/07	2027/01/25	2026/12/07	2027/01/25	2026/12/07	2027/01/25	0 days	2	114FS-25 days											
116	Concreting	NA	As Possible	4 days	2027/01/01	2027/01/04	2027/01/01	2027/01/04	2027/01/01	2027/01/04	0 days	0	115FS-25 days											
117	Backfilling and Compaction	NA	As Possible	40 days	2027/01/05	2027/02/13	2027/01/05	2027/02/13	2027/01/05	2027/02/13	0 days	0	116											
118	Removal of Sheetpiles	NA	As Possible	35 days	2027/01/25	2027/02/28	2027/01/25	2027/02/28	2027/01/25	2027/02/28	0 days	0	117FS-20 days											
119	2x300 pipe with flap valve	NA	As Possible	45 days	2027/02/15	2027/03/31	2027/02/15	2027/03/31	2027/02/15	2027/03/31	0 days	4	118FS-14 days											
120	Pedestrian & Vehicular Crossing no. 1 (Box Culvert no. 3)	2027/03/31	o Later Than	45 days	2027/02/15	2027/03/31	2027/02/15	2027/03/31	2027/02/15	2027/03/31	0 days	0	118FS-14 days											
121	C9 tender procedure for HC06-08	2024/06/28	Earlier Than	90 days	2024/06/28	2024/09/25	2024/06/28	2024/09/25	2027/01/01	2027/03/31	917 days	0												
122	[N CExxx] Additional request from landlord by HC06/07	2024/09/16	Earlier Than	380 days	2024/09/16	2024/09/16	2024/09/16	2024/09/16	2025/09/30	2024/09/16	0 days	0												
123	Demolish & relocate metal frame YLL797/28,30,33	NA	As Possible	20 days	2025/10/01	2025/10/20	2025/10/01	2025/10/20	2025/10/01	2025/10/20	20 days	0	122											
124	Demolish & relocate storage YLL797/29	NA	As Possible	20 days	2025/10/01	2025/10/20	2025/10/01	2025/10/20	2025/10/01	2025/10/20	20 days	0	122											
125	Demolish & relocate retaining wall YLL797/32	NA	As Possible	20 days	2025/10/01	2025/10/20	2025/10/01	2025/10/20	2025/10/01	2025/10/20	20 days	0	122											
126	Site clearance by landlord	NA	As Possible	60 days	2025/10/01	2025/11/29	2025/10/01	2025/11/29	2025/10/01	2025/11/29	0 days	0	122											
127	HC06 CH.A339.556-CH.A400.00	NA	As Possible	263 days	2025/11/10	2026/07/30	2025/11/10	2026/07/30	2025/11/10	2026/07/30	0 days	0												
128	Sheetpiling & Temp. Drainage Diversion	NA	As Possible	60 days	2025/11/10	2026/01/08	2025/11/10	2026/01/08	2025/11/10	2026/01/08	0 days	0	126FS-20 days, 123											
129	Excavation and Lateral Support	NA	As Possible	50 days	2025/12/20	2026/02/07	2025/12/20	2026/02/07	2025/12/20	2026/02/07	0 days	0	128FS-20 days											
130	Ground and Edge Beams	NA	As Possible	87 days	2026/01/19	2026/04/15	2026/01/19	2026/04/15	2026/01/19	2026/04/15	0 days	0												
131	Install precast portion	NA	As Possible	50 days	2026/01/19	2026/03/09	2026/01/19	2026/03/09	2026/01/19	2026/03/09	0 days	0	129FS-20 days											
132	Rebar Fixing	NA	As Possible	40 days	2026/02/13	2026/03/24	2026/02/13	2026/03/24	2026/02/13	2026/03/24	0 days	0	131FS-25 days											
133	Formwork Erection and Cast-in items	NA	As Possible	40 days	2026/03/07	2026/04/15	2026/03/07	2026/04/15	2026/03/07	2026/04/15	0 days	0	132FS-18 days											
134	Concreting	NA	As Possible	10 days	2026/03/29	2026/04/07	2026/03/29	2026/04/07	2026/03/29	2026/04/07	0 days	0	133FS-18 days											
135	Walls	NA	As Possible	72 days	2026/04/08	2026/06/18	2026/04/08	2026/06/18	2026/04/08	2026/06/18	0 days	0												
136	Rebar Fixing	NA	As Possible	45 days	2026/04/08	2026/05/22	2026/04/08	2026/05/22	2026/04/08	2026/05/22	0 days	0	134											
137	Formwork Erection and Cast-in items	NA	As Possible	45 days	2026/05/05	2026/06/18	2026/05/05	2026/06/18	2026/05/05	2026/06/18	0 days	0	136FS-											









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

ID	Task Name	Constraint Date	Constraint Type	Duration	Start	Finish	Early Start	Early Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2023, Half 2		2024, Half 1		2024, Half 2		2025, Half 1		2025, Half 2		2026, Half 1		2026, Half 2		2027, Half 1		2027, Half 2								
														A	M	J	A	S	O	N	D	J	F	M	A	M	J	A	S	O	N	D	J	F	M	A	M	J
266	Catchpit construcion [A]		NA As Possible	10 days	2025/09/27	2025/10/06	2025/09/27	2025/10/06	2026/07/22	2026/07/31	298 days	0	265FS-2 days																									
267	Concreting [A]		NA As Possible	1 day	2025/10/05	2025/10/05	2025/10/05	2025/10/05	2026/07/30	2026/07/30	298 days	0	266FS-2 days																									
268	SHT.CP3-3-SHT.CP3,300->450CU(G),L=54.5		NA As Possible	76 days	2025/10/06	2025/12/20	2025/10/06	2025/12/20	2026/07/31	2026/10/14	298 days	0																										
269	Stage 1		NA As Possible	24 days	2025/10/06	2025/10/29	2025/10/06	2025/10/29	2026/07/31	2026/08/23	298 days	0																										
270	Excavation and Lateral Support [A]		NA As Possible	8 days	2025/10/06	2025/10/13	2025/10/06	2025/10/13	2026/07/31	2026/08/07	298 days	0	267																									
271	Formwork Erection [A]		NA As Possible	10 days	2025/10/12	2025/10/21	2025/10/12	2025/10/21	2026/08/06	2026/08/15	298 days	0	270FS-2 days																									
272	Catchpit construcion [A]		NA As Possible	10 days	2025/10/20	2025/10/29	2025/10/20	2025/10/29	2026/08/14	2026/08/23	298 days	0	271FS-2 days																									
273	Concreting [A]		NA As Possible	1 day	2025/10/28	2025/10/28	2025/10/28	2025/10/28	2026/08/22	2026/08/22	298 days	0	272FS-2 days																									
274	Stage 2		NA As Possible	27 days	2025/10/29	2025/11/24	2025/10/29	2025/11/24	2026/08/23	2026/09/18	298 days	0																										
275	Excavation and Lateral Support [A]		NA As Possible	8 days	2025/10/29	2025/11/05	2025/10/29	2025/11/05	2026/08/23	2026/08/30	298 days	0	273																									
276	Formwork Erection [A]		NA As Possible	12 days	2025/11/04	2025/11/15	2025/11/04	2025/11/15	2026/08/29	2026/09/09	298 days	0	275FS-2 days																									
277	Catchpit construcion [A]		NA As Possible	11 days	2025/11/14	2025/11/24	2025/11/14	2025/11/24	2026/09/08	2026/09/18	298 days	0	276FS-2 days																									
278	Concreting [A]		NA As Possible	1 day	2025/11/23	2025/11/23	2025/11/23	2025/11/23	2026/09/17	2026/09/17	298 days	0	277FS-2 days																									
279	Stage 3		NA As Possible	27 days	2025/11/24	2025/12/20	2025/11/24	2025/12/20	2026/09/18	2026/10/14	298 days	0																										
280	Excavation and Lateral Support [A]		NA As Possible	8 days	2025/11/24	2025/12/01	2025/11/24	2025/12/01	2026/09/18	2026/09/25	298 days	0	278																									
281	Formwork Erection [A]		NA As Possible	12 days	2025/11/30	2025/12/11	2025/11/30	2025/12/11	2026/09/24	2026/10/05	298 days	0	280FS-2 days																									
282	Catchpit construcion [A]		NA As Possible	11 days	2025/12/10	2025/12/20	2025/12/10	2025/12/20	2026/10/04	2026/10/14	298 days	0	281FS-2 days																									
283	Concreting [A]		NA As Possible	1 day	2025/12/19	2025/12/19	2025/12/19	2025/12/19	2026/10/13	2026/10/13	298 days	0	282FS-2 days																									
284	SHT.CP3-5-SHT.CP3,300->450CU(G),L=43.3		NA As Possible	57 days	2025/12/20	2026/02/14	2025/12/20	2026/02/14	2026/10/14	2026/12/09	298 days	0																										
285	Stage 1		NA As Possible	29 days	2025/12/20	2026/01/17	2025/12/20	2026/01/17	2026/10/14	2026/11/11	298 days	0																										
286	Excavation and Lateral Support [A]		NA As Possible	10 days	2025/12/20	2025/12/29	2025/12/20	2025/12/29	2026/10/14	2026/10/23	298 days	0	283																									
287	Formwork Erection [A]		NA As Possible	12 days	2025/12/28	2026/01/08	2025/12/28	2026/01/08	2026/10/22	2026/11/02	298 days	0	286FS-2 days																									
288	Catchpit construcion [A]		NA As Possible	11 days	2026/01/07	2026/01/17	2026/01/07	2026/01/17	2026/11/01	2026/11/11	298 days	0	287FS-2 days																									
289	Concreting [A]		NA As Possible	1 day	2026/01/16	2026/01/16	2026/01/16	2026/01/16	2026/11/10	2026/11/10	298 days	0	288FS-2 days																									
290	Stage 2		NA As Possible	29 days	2026/01/17	2026/02/14	2026/01/17	2026/02/14	2026/11/11	2026/12/09	298 days	0																										
291	Excavation and Lateral Support [A]		NA As Possible	10 days	2026/01/17	2026/01/26	2026/01/17	2026/01/26	2026/11/11	2026/11/20	298 days	0	289																									
292	Formwork Erection [A]		NA As Possible	12 days	2026/01/25	2026/02/05	2026/01/25	2026/02/05	2026/11/19	2026/11/30	298 days	0	291FS-2 days																									
293	Catchpit construcion [A]		NA As Possible	11 days	2026/02/04	2026/02/14	2026/02/04	2026/02/14	2026/11/29	2026/12/09	298 days	0	292FS-2 days																									
294	Concreting [A]		NA As Possible	1 day	2026/02/13	2026/02/13	2026/02/13	2026/02/13	2026/12/08	2026/12/08	298 days	0	293FS-2 days																									
295	End-SHT.CP3.5,300->450CU(G),L=107.7		NA As Possible	113 days	2026/02/14	2026/06/06	2026/02/14	2026/06/06	2026/12/09	2027/03/31	298 days	0																										
296	Stage 1		NA As Possible	29 days	2026/02/14	2026/03/14	2026/02/14	2026/03/14	2026/12/09	2027/01/06	298 days	0																										
297	Excavation and Lateral Support [A]		NA As Possible	10 days	2026/02/14	2026/02/23	2026/02/14	2026/02/23	2026/12/09	2026/12/18	298 days	0	294																									
298	Formwork Erection [A]		NA As Possible	12 days	2026/02/22	2026/03/05	2026/02/22	2026/03/05	2026/12/17	2026/12/28	298 days	0	297FS-2 days																									
299	Catchpit construcion [A]		NA As Possible	11 days	2026/03/04	2026/03/14	2026/03/04	2026/03/14	2026/12/27	2027/01/06	298 days	0	298FS-2 days																									
300	Concreting [A]		NA As Possible	1 day	2026/03/13	2026/03/13	2026/03/13	2026/03/13	2027/01/05	2027/01/05	298 days	0	299FS-2 days																									
301	Stage 2		NA As Possible	29 days	2026/03/14	2026/04/11	2026/03/14	2026/04/11	2027/01/06	2027/02/03	298 days	0																										
302	Excavation and Lateral Support [A]		NA As Possible	10 days	2026/03/14	2026/03/23	2026/03/14	2026/03/23	2027/01/06	2027/01/15	298 days	0	300																									
303	Formwork Erection [A]		NA As Possible	12 days	2026/03/22	2026/04/02	2026/03/22	2026/04/02	2027/01/14	2027/01/25	298 days	0	302FS-2 days																									
304	Catchpit construcion [A]		NA As Possible	11 days	2026/04/01	2026/04/11	2026/04/01	2026/04/11	2027/01/24	2027/02/03	298 days	0	303FS-2 days																									
305	Concreting [A]		NA As Possible	1 day	2026/04/10	2026/04/10	2026/04/10	2026/04/10	2027/02/02	2027/02/02	298 days	0	304FS-2 days																									
306	Stage 3		NA As Possible	29 days	2026/04/11	2026/05/09	2026/04/11	2026/05/09	2027/02/03	2027/03/03	298 days	0																										
307	Excavation and Lateral Support [A]		NA As Possible	10 days	2026/04/11	2026/04/20	2026/04/11	2026/04/20	2027/02/03	2027/02/12	298 days	0	305																									
308	Formwork Erection [A]		NA As Possible	12 days	2026/04/19	2026/04/30	2026/04/19	2026/04/30	2027/02/11	2027/02/22	298 days																											



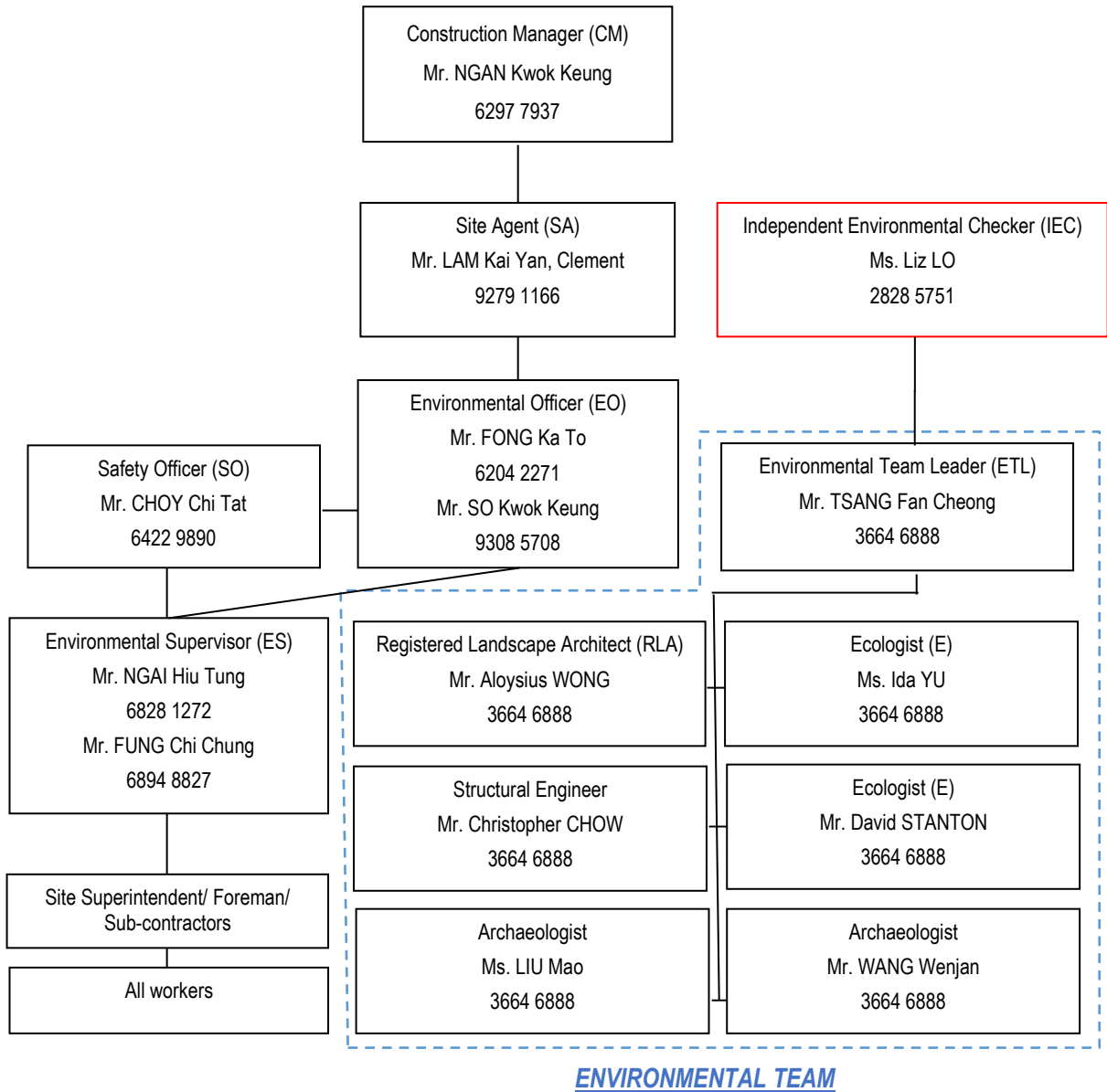
## **Appendix 1.2 Project Organization Chart**

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 10-10-2025)**



**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
<b>Construction Phase</b>								
S.3.8.1	S.3.2.3	All the dust control measures as recommended in the Air Pollution Control (Construction Dust) Regulation, where applicable, should be implemented. Typical dust control measures include:	Air Quality (fugitive dust) Control during Construction Phase	Contractor(s)	At all construction areas of the site during the entire construction period	Air Pollution Control (Construction Dust) Regulation	Implemented	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024
S.3.8.1	S.3.2.3	<ul style="list-style-type: none"> <li>Proper and regular watering should be provided for all exposed and excavated work sites.</li> </ul>	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	<ul style="list-style-type: none"> <li>Open stockpiles should be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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

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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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	<ul style="list-style-type: none"> <li>Where possible, routing of vehicles and position of construction plant should be at the maximum possible distance from ASRs.</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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	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	<ul style="list-style-type: none"> <li>The works at overlapping section are recommended to be scheduled to avoid works at the areas near Fan Kam Road.</li> <li>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.</li> </ul>	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
<b>Construction Phase</b>									
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	<ul style="list-style-type: none"> <li>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;</li> <li>The Contractor shall observe and comply with the statutory and non-statutory requirements and guidelines;</li> <li>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;</li> <li>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;</li> <li>Noisy equipment and noisy activities should be located as far away from the NSR's as is practical;</li> </ul>	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	<ul style="list-style-type: none"> <li>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;</li> <li>Only well-maintained plant should be operated on-site and plants should be serviced regularly during the construction programme;</li> <li>Silencers, mufflers or acoustic treatment mats on construction equipment should be utilised and properly maintained during the construction duration;</li> <li>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</li> <li>Material stockpiles and other structures should be effectively utilised as noise barriers, where practicable.</li> </ul>	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
<b>Construction Phase</b>								
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 <ul style="list-style-type: none"> <li>• Effective implementation of an Environmental Management Systems in accordance with the ISO 14001 for all work sites;</li> <li>• 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.</li> </ul>	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

Environmental Mitigation Implementation Schedule (EMIS)

S.5.9.3	S.5.2.2	<ul style="list-style-type: none"> <li>• Effective implementation of the Tree Preservation Measures as detailed in the guidelines published by the Tree Management Office.</li> <li>• 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.</li> <li>• 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;</li> <li>• Fence off any potentially ecologically sensitive resources within the work area with warning signpost;</li> <li>• Water diversion by means of submerged water pump should be avoided as far as practicable to prevent obstruction of wildlife movement along the channel;</li> <li>• Waste and refuse should be stored or dumped in appropriate receptacles and on-site burning of waste should be strictly prohibited;</li> <li>• Excavated material should be properly covered or promptly disposed of, and opportunities to stockpile and backfill the topsoil should be explored;</li> </ul>	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	<p>HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024</p>
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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	<ul style="list-style-type: none"> <li>No chemical should be stockpiled on-site until absolutely necessary;</li> <li>On-site maintenance of plant/ machineries/ vehicle should be avoided as far as practicable;</li> <li>Silt/ Sediment/ Oil traps should be installed to avoid direct discharge of effluent or site run-off;</li> <li>Regular ecological checks;</li> <li>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</li> <li>Minimise vehicle access.</li> </ul>	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 <i>Aquilaria sinensis</i> (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
<b>Construction Phase</b>									
S.6.7.2	S.6.2.3	<p>The mitigation measures should cover, but not limited to the following Best Management Practices:</p> <ul style="list-style-type: none"> <li>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.</li> <li>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;</li> <li>Silt removal facilities, channels and manholes should be</li> </ul>	Water quality control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO and ProPECC PN 2/23	Deficiency of Mitigation Measures but rectified by the Contractor.	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
		<p>maintained and cleaned regularly to ensure the proper function;</p> <ul style="list-style-type: none"> <li>• Water pumped out from excavations should be discharged into silt removal facilities;</li> <li>• 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;</li> <li>• 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;</li> <li>• Wastewater generated from the washing down of mixer trucks and drum mixers and similar equipment should wherever practicable be recycled. The</li> </ul>							

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
		<p>discharge of wastewater should be kept to a minimum;</p> <ul style="list-style-type: none"> <li>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;</li> <li>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;</li> <li>Open stockpiles of construction materials on site should be covered with tarpaulin or similar fabric during rainstorms.</li> </ul>							

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	<p>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.</p> <ul style="list-style-type: none"> <li>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;</li> <li>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</li> </ul>	Water quality control during construction	Contractor(s)	At all construction areas of the site during the entire construction period	WPCO and ProPECC PN 2/23	Deficiency of Mitigation Measures but rectified by the Contractor.	HC: 20 Feb 2024 LFT: 20 Mar 2024 SSNV: 16 Apr 2024 TW: 16 Dec 2024	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>Fuel tanks and storage areas are not placed</li> </ul>

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
		<p>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;</p> <ul style="list-style-type: none"> <li>• 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;</li> <li>• Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas;</li> <li>• 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;</li> </ul> <p>3Manholes (including newly constructed ones) should</p>							

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
		<p>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;</p> <ul style="list-style-type: none"> <li>• 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;</li> <li>• 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</li> </ul>							

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
		<p>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;</p> <ul style="list-style-type: none"> <li>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;</li> <li>Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts;</li> <li>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.</li> </ul>							

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	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.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	<p>Sewage from Workforce</p> <ul style="list-style-type: none"> <li>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<sup>3</sup>/day/worker of sewage and be responsible for appropriate disposal and maintenance.</li> <li>Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the</li> </ul>	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
		<p>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.</p>							
S.6.7.10 -	S.6.2.3	<p>Widening of Drainage Channels</p> <ul style="list-style-type: none"> <li>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;</li> <li>The temporary drainage channel would be backfilled when the construction works are completed or the temporary</li> </ul>	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
		<p>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;</p> <ul style="list-style-type: none"> <li>• 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;</li> <li>• To further minimize the leakage and loss of sediments during excavation, tightly sealed closed</li> </ul>							

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
		<p>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;</p> <ul style="list-style-type: none"> <li>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;</li> <li>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&amp;A programme for this project.</li> </ul>							
S.6.7.16	S6.2.3	<p>Cast in-situ Construction</p> <ul style="list-style-type: none"> <li>Minimise the area of the site which generates contaminated stormwater runoff;</li> <li>Provide a separate dedicated drainage system to discharge clean stormwater from the site;</li> </ul>	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
		<ul style="list-style-type: none"> <li>Drain all contaminated stormwater and process wastewater to a collection pit for recycling;</li> <li>Regularly clean out solids that accumulate in the pit;</li> <li>There must be no dry weather wastewater discharges from the site;</li> <li>Monitor wet weather discharges for pH and suspended solids. Retain the records.</li> </ul>							
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 <ul style="list-style-type: none"> <li>The construction work in Tai Wo should be scheduled in the dry season and sand bags or other similar facilities should be</li> </ul>	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
		<p>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;</p> <ul style="list-style-type: none"> <li>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.</li> </ul>							

- 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
<b>Construction Phase</b>								
S.7.5.1	S.7.2.5	<ul style="list-style-type: none"> <li>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;</li> </ul>	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	<ul style="list-style-type: none"> <li>The Project contractor's waste management practices and effectiveness should also be audited by the Engineer on a regular basis;</li> </ul>	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	<ul style="list-style-type: none"> <li>The reuse/ recycling of all materials on site should be investigated and exhausted prior to treatment/ disposal off-site;</li> </ul>	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	<ul style="list-style-type: none"> <li>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;</li> </ul>	Waste management during construction	Contractor(s)	At all construction areas of the site during the entire construction period	ETWB TCW No. 19/2005	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.7.5.1	S.7.2.5	<ul style="list-style-type: none"> <li>All waste materials should be sorted on-site into inert and non-inert C&amp;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;</li> </ul>	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	<ul style="list-style-type: none"> <li>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&amp;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;</li> </ul>	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	<ul style="list-style-type: none"> <li>In order to monitor the disposal of C&amp;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”;</li> </ul>	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	<ul style="list-style-type: none"> <li>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;</li> </ul>	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	<ul style="list-style-type: none"> <li>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;</li> </ul>	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	<ul style="list-style-type: none"> <li>Minimize windblown litter and dust during transportation by either fitting trucks with mechanical covers or transporting waste in enclosed containers;</li> </ul>	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	<ul style="list-style-type: none"> <li>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;</li> </ul>	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	<ul style="list-style-type: none"> <li>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</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> </ul>	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	<p>Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices.</p> <ul style="list-style-type: none"> <li>Segregation and storage different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;</li> </ul>	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	<ul style="list-style-type: none"> <li>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;</li> <li>Use of reusable non-timber formwork to reduce the amount of C&amp;D material;</li> <li>Prior to disposal of C&amp;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;</li> <li>Proper storage and site practice to minimise the potential for damage and contamination of construction materials;</li> <li>Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.</li> </ul>	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
<b>Construction Phase</b>								
S.8.8.1	S.8.2.1	<p>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:</p> <ul style="list-style-type: none"> <li>Guidance Note for Contaminated Land Assessment and Remediation;</li> <li>Guidance Manual for Use of Risk-based Remediation Goals (“RBRGs”) for Contaminated Land Management; and</li> <li>Practice Guide for Investigation and Remediation of Contaminated Land.</li> </ul>	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
<b>Construction Phase</b>								
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
<b>Construction Phase</b>								
Table 10-3	Table 10.1	Lee Tat Bridge (GB-01) <ul style="list-style-type: none"> <li>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;</li> </ul>	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	<ul style="list-style-type: none"> <li>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.</li> <li>The location of any monitoring equipment in the building must be approved by the owner before installation;</li> <li>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;</li> <li>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.</li> </ul>	Cultural heritage protection	Contractors	During the construction period, for Lee Tat Bridge (GB-01)	AMO Guidelines on CHIA; EIAO-TM	<p>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.</p>	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) <ul style="list-style-type: none"> <li>No mitigation required</li> </ul>	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) <ul style="list-style-type: none"> <li>No mitigation required</li> </ul>	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	<ul style="list-style-type: none"> <li>The proposed drainage works in the Lin Fa Tei area near previous wooden archaeological remains;</li> <li>Archaeological survey prior to construction works in area marked on Figure 10.16 of the EIA report;</li> <li>A qualified archaeologist shall apply for a licence under the Antiquities and Monuments Ordinance (Cap. 53) for the archaeological fieldwork.</li> </ul>	<p>Identification of archaeological remains, deposits and material within survey area</p> <p>Identification of archaeological extent</p>	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:
- "HC" equal to Ha Che
  - "LFT" equal to Lin Fa Tei
  - "SSNV" equal to Sung Shan New Village
  - "TW" equal to Tai Wo

## **Appendix 2.1 Event and Action Plans for Water Quality**

## Event and Action Plan for Water Quality

Event	Action			
	ET <sup>(1)</sup>	IEC <sup>(1)</sup>	ER <sup>(1)</sup>	Contractor
Action Level being exceeded by one sampling day	<ol style="list-style-type: none"> <li>1. Repeat in-situ measurement to confirm findings;</li> <li>2. Identify source(s) of impact;</li> <li>3. Inform the IEC and the Contractor;</li> <li>4. Check monitoring data, all plant, equipment and the Contractor's working methods;</li> <li>5. Discuss mitigation measures with the IEC and the Contractor;</li> <li>6. Repeat measurement on next day of exceedance.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with the ET and the Contractor on the mitigation measures;</li> <li>2. Review proposals on mitigation measures submitted by the Contractor and advise the ER accordingly;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with the IEC on the proposed mitigation measures;</li> <li>2. Make agreement on the mitigation measures to be implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the ER and confirm notification of the non-compliance in writing;</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Discuss with the ET and the IEC and propose mitigation measures to the IEC and the ER;</li> <li>6. Implement the agreed mitigation measures.</li> </ol>
Action Level being exceeded by more than one consecutive sampling days	<ol style="list-style-type: none"> <li>1. Repeat in-situ measurement to confirm findings;</li> <li>2. Identify source(s) of impact;</li> <li>3. Inform the IEC and the Contractor;</li> <li>4. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>5. Discuss mitigation measures with the IEC and the Contractor;</li> <li>6. Ensure mitigation measures are implemented;</li> <li>7. Prepare to increase the monitoring frequency to daily;</li> <li>8. Repeat measurement on next day of exceedance.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with the ET and the Contractor on the mitigation measures;</li> <li>2. Review proposals on mitigation measures submitted by the Contractor and advise the ER accordingly;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with the IEC on the proposed mitigation measures;</li> <li>2. Make agreement on the mitigation measures to be implemented;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the ER and confirm notification of the non-compliance in writing;</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Discuss with the ET and the IEC and propose mitigation measures to the IEC and the ER within 3 working days;</li> <li>6. Implement the agreed mitigation measures.</li> </ol>

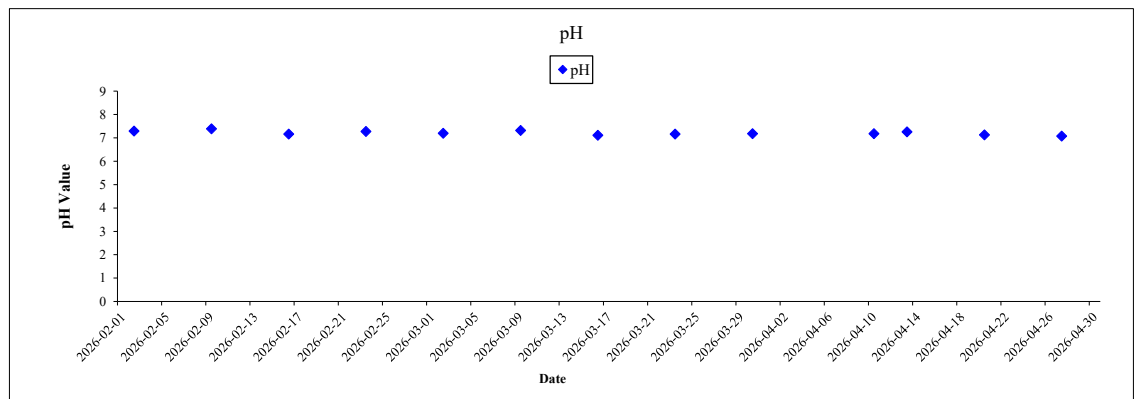
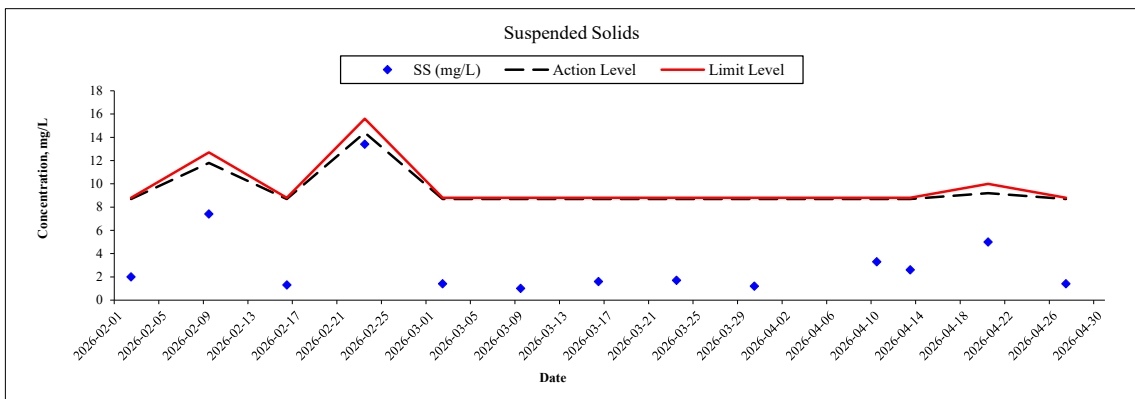
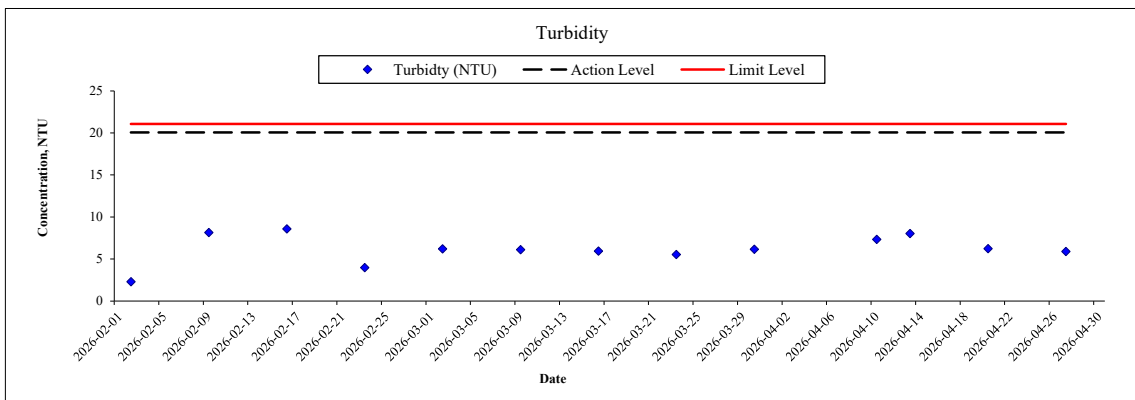
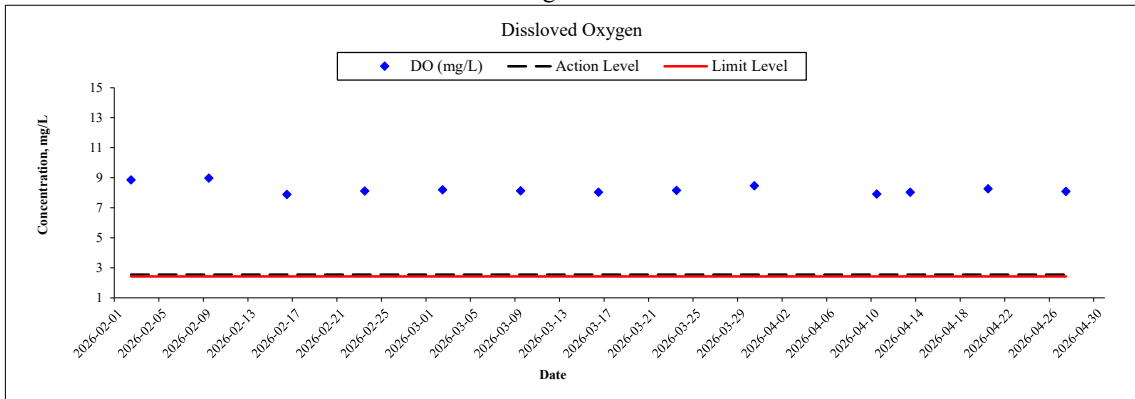
Event	Action			
	ET <sup>(1)</sup>	IEC <sup>(1)</sup>	ER <sup>(1)</sup>	Contractor
Limit Level being exceeded by one sampling days	<ol style="list-style-type: none"> <li>1. Repeat in-situ measurement to confirm findings;</li> <li>2. Identify source(s) of impact;</li> <li>3. Inform the IEC, the Contractor and the DEP;</li> <li>4. Check monitoring data, all plant, equipment and the Contractor's working methods;</li> <li>5. Discuss mitigation measures with the IEC, the ER and the Contractor;</li> <li>6. Ensure mitigation measures are implemented;</li> <li>7. Increase the monitoring frequency to daily until no exceedance of Limit Level.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with the ET and the Contractor on the mitigation measures;</li> <li>2. Review proposals on mitigation measures submitted by the Contractor and advise the ER accordingly;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with the IEC, the ET and the Contractor on the proposed mitigation measures;</li> <li>2. Request the Contractor to critically review the working methods;</li> <li>3. Make agreement on the mitigation measures to be implemented;</li> <li>4. Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the Engineer and confirm notification of the non-compliance in writing;</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Discuss with the ET, the IEC and the ER and propose mitigation measures to the IEC and the ER within 3 working days;</li> <li>6. Implement the agreed mitigation measures.</li> </ol>

Event	Action			
	ET <sup>(1)</sup>	IEC <sup>(1)</sup>	ER <sup>(1)</sup>	Contractor
Limit Level being exceeded by more than one consecutive sampling days	<ol style="list-style-type: none"> <li>1. Repeat in-situ measurement to confirm findings;</li> <li>2. Identify source(s) of impact.</li> <li>3. Inform the IEC, the Contractor and the DEP;</li> <li>4. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>5. Discuss mitigation measures with the IEC, the ER and the Contractor;</li> <li>6. Ensure mitigation measures are implemented;</li> <li>7. Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with the ET and Contractor on the mitigation measures;</li> <li>2. Review proposals on mitigation measures submitted by the Contractor and advise the ER accordingly;</li> <li>3. Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss with the IEC, the ET and the Contractor on the proposed mitigation measures;</li> <li>2. Request Contractor to critically review the working methods;</li> <li>3. Make agreement on the mitigation measures to be implemented;</li> <li>4. Assess the effectiveness of the implemented mitigation measures;</li> <li>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.</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the ER and confirm notification of the non-compliance in writing;</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Discuss with the ET, the IEC and the ER and propose mitigation measures to the IEC and the ER within 3 working days;</li> <li>6. Implement the agreed mitigation measures;</li> <li>7. As directed by the ER, slow down or stop all or part of the construction activities.</li> </ol>

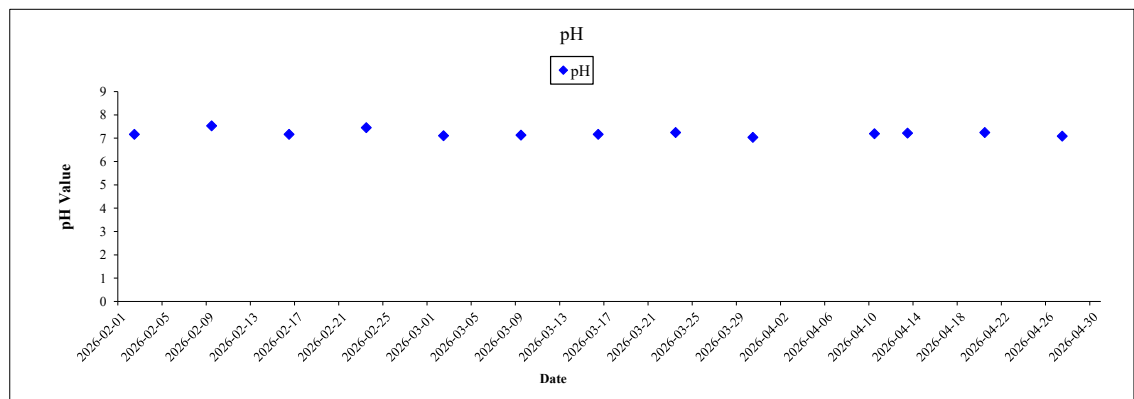
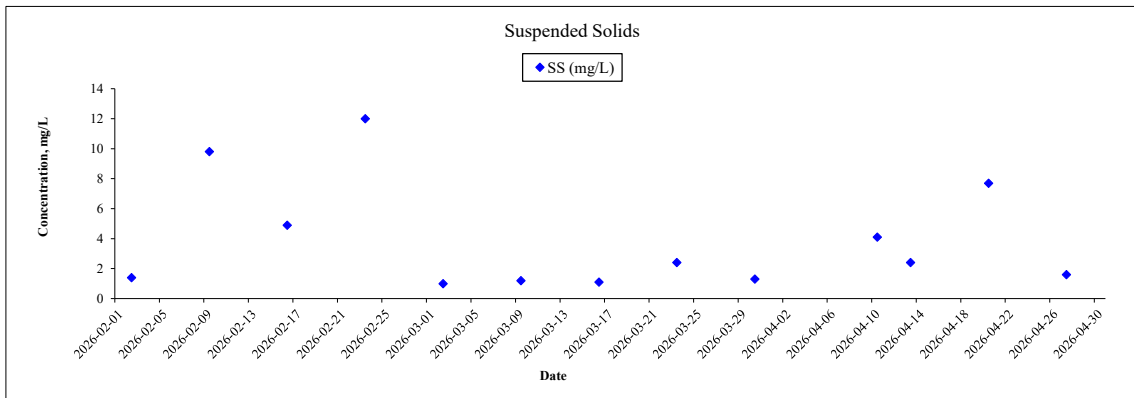
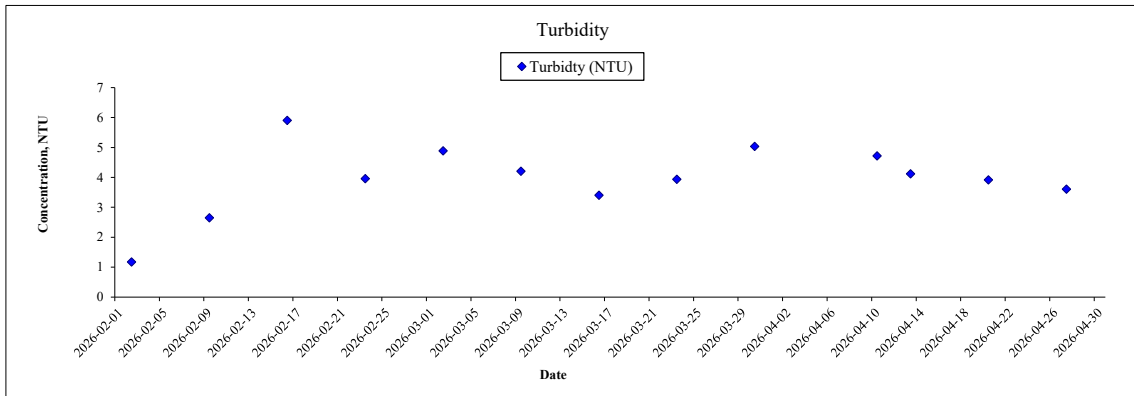
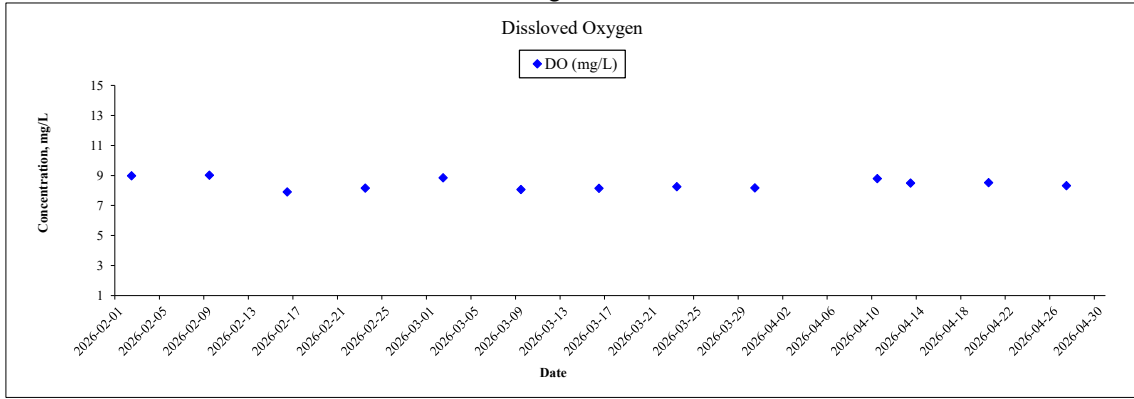
Note (1) ET – Environmental Team, IEC – Independent Environmental Checker, ER – Engineer's Representative, DEP – Director of Environmental Protection.

## **Appendix 2.2 Graphical Presentation of Water Quality Monitoring**

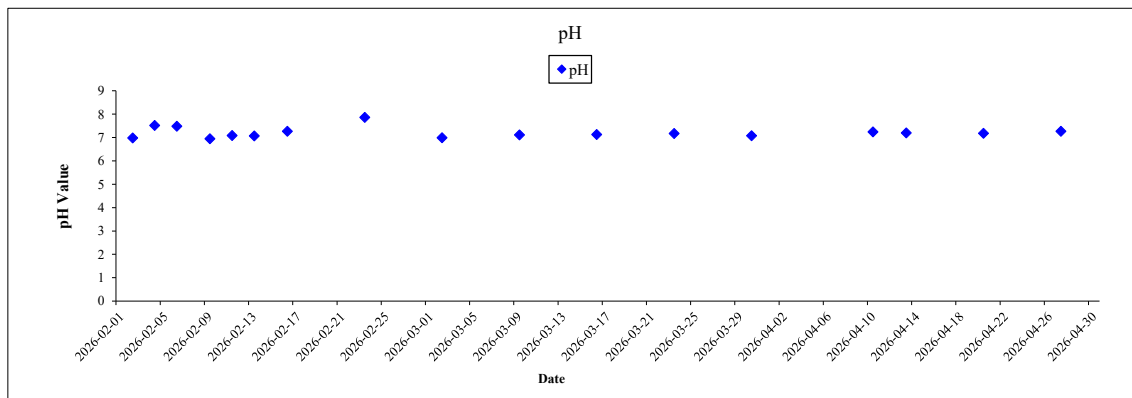
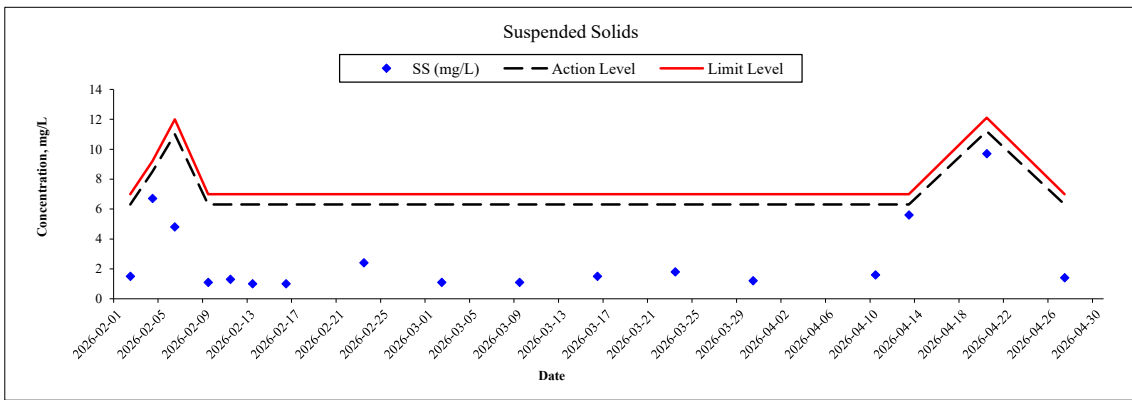
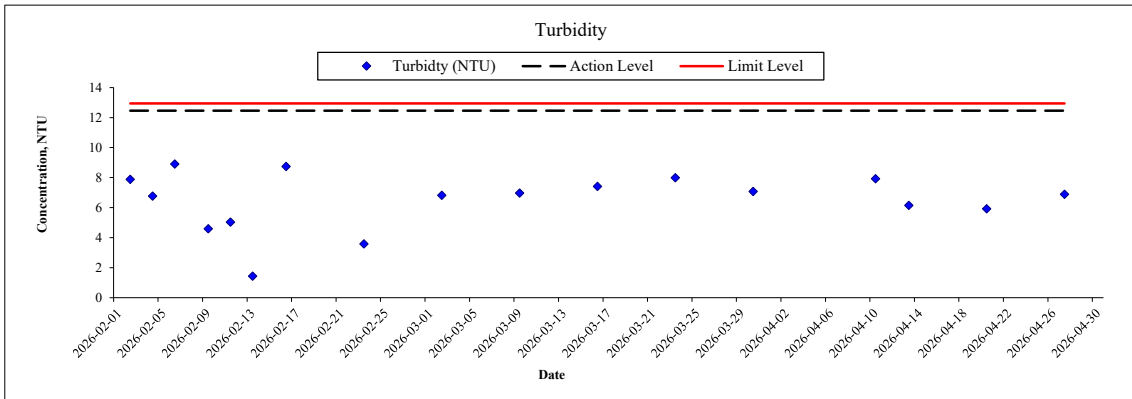
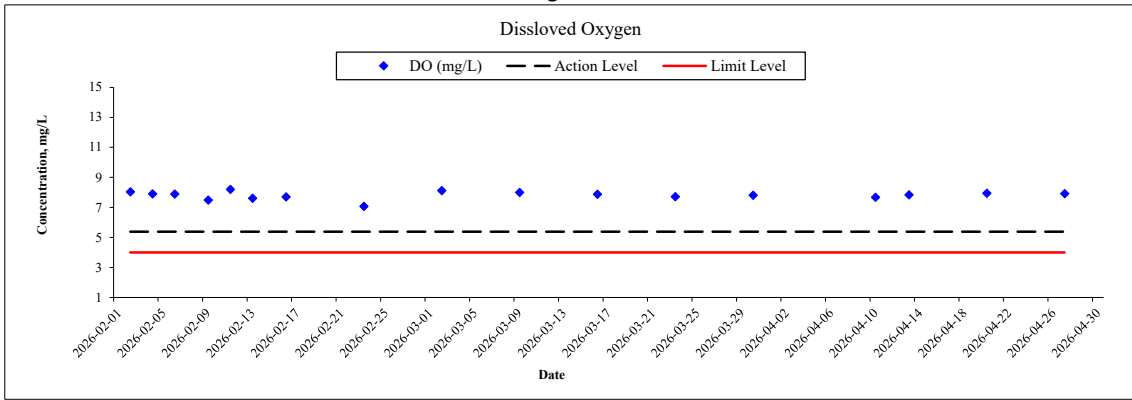
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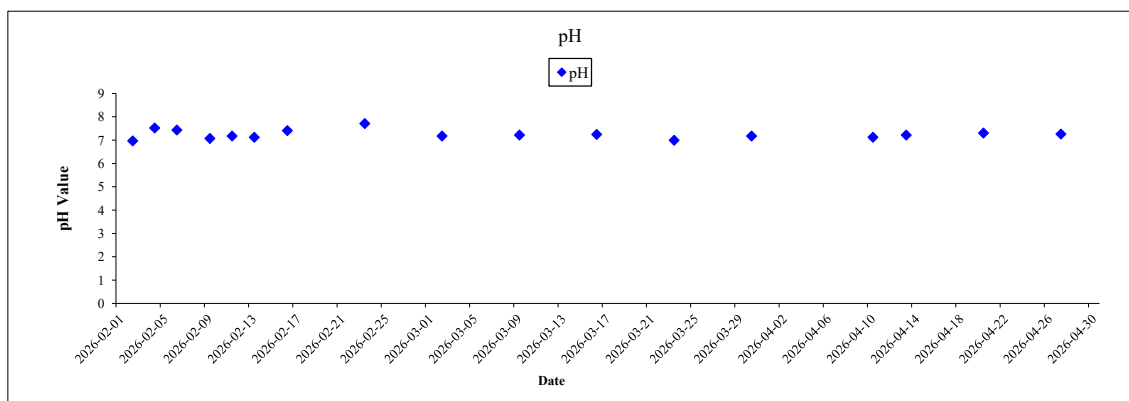
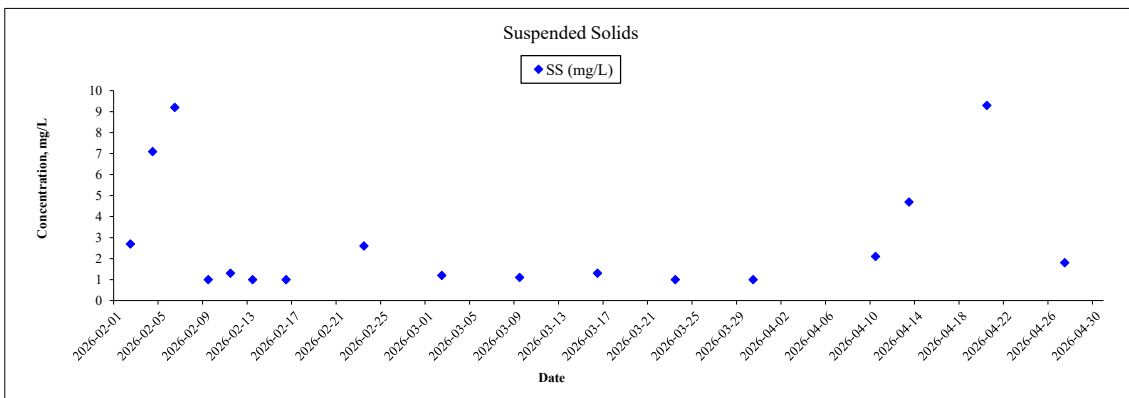
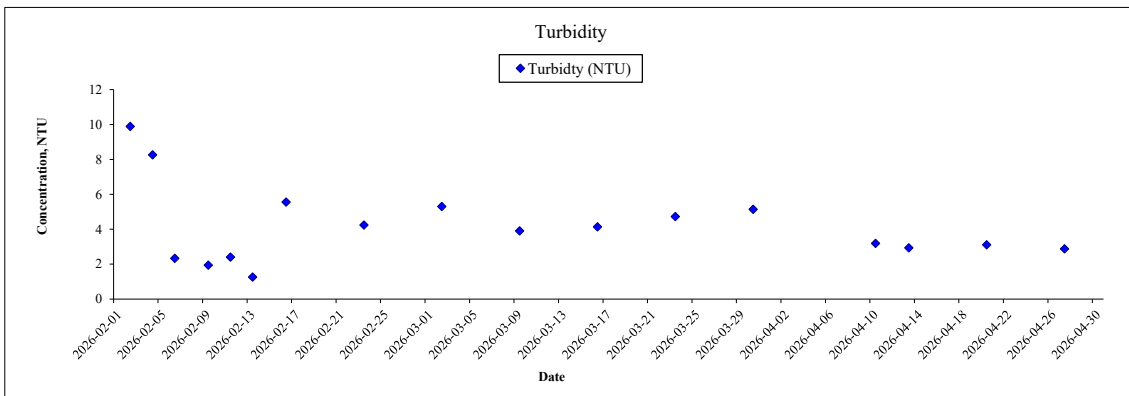
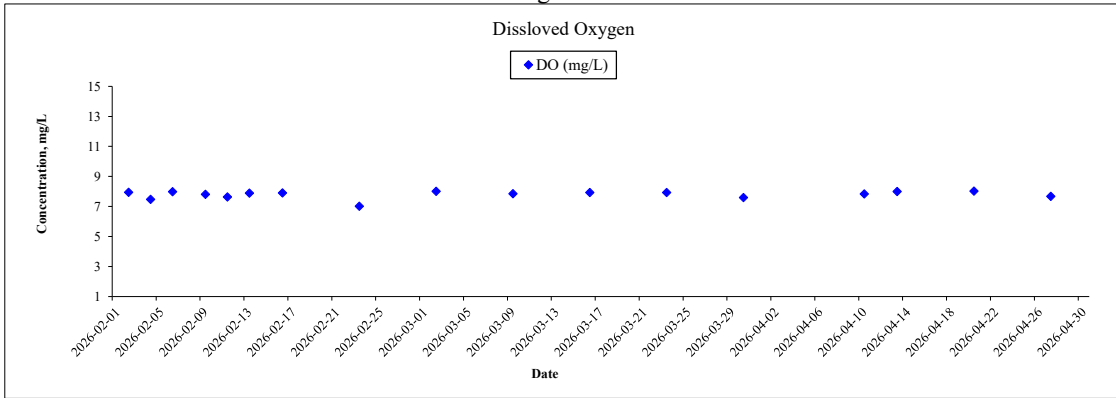
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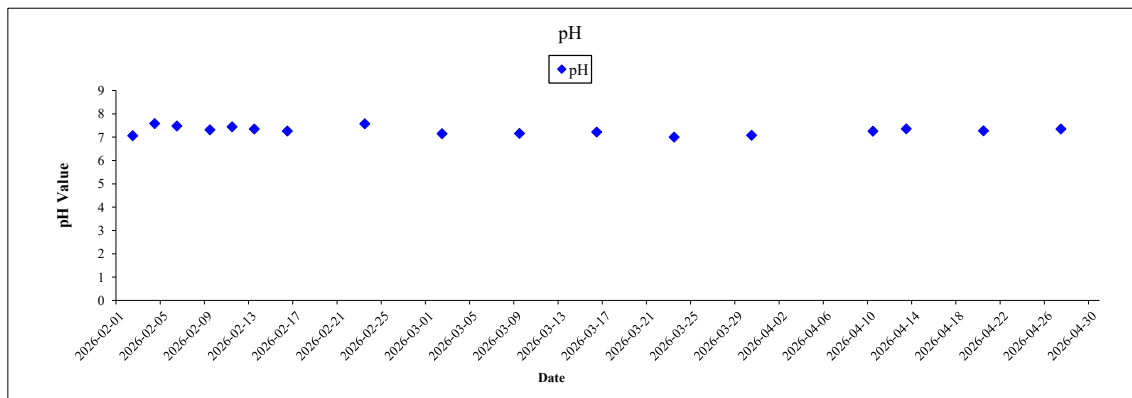
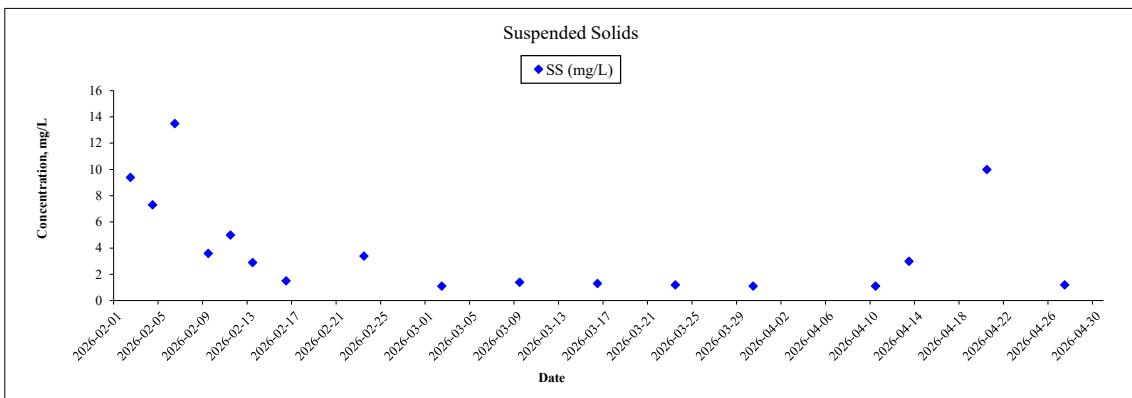
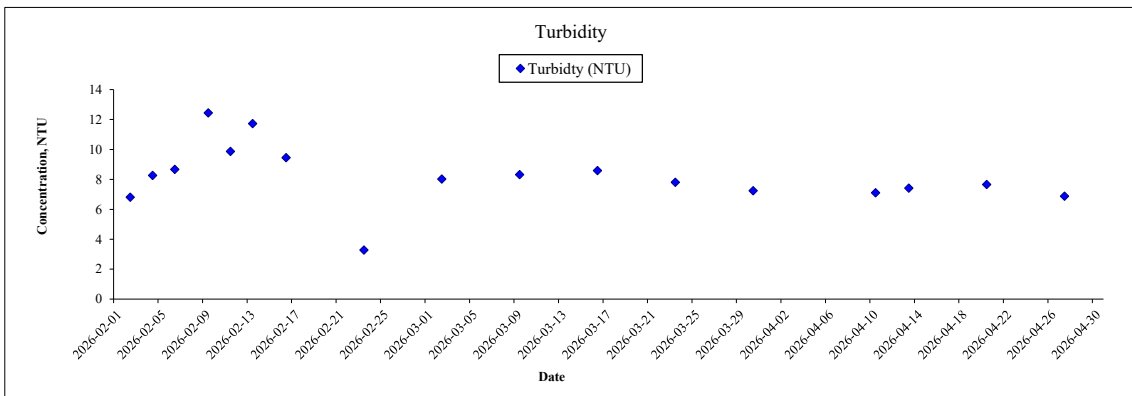
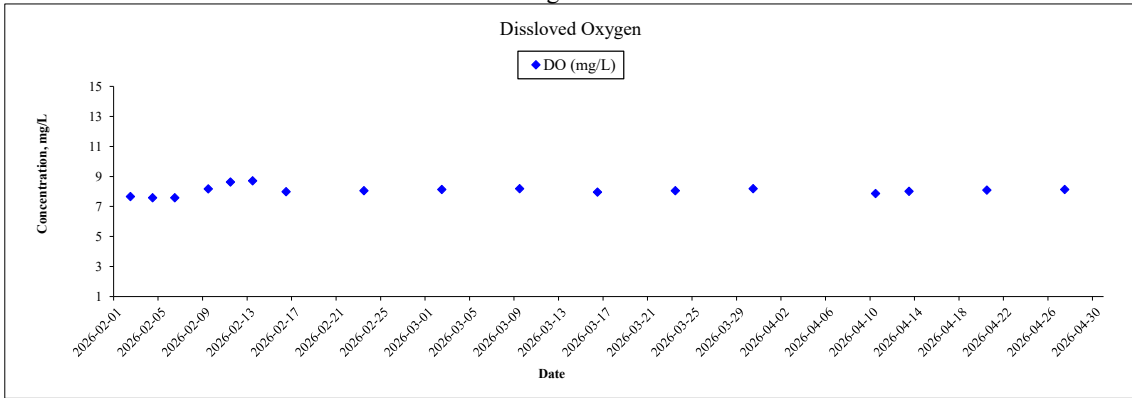
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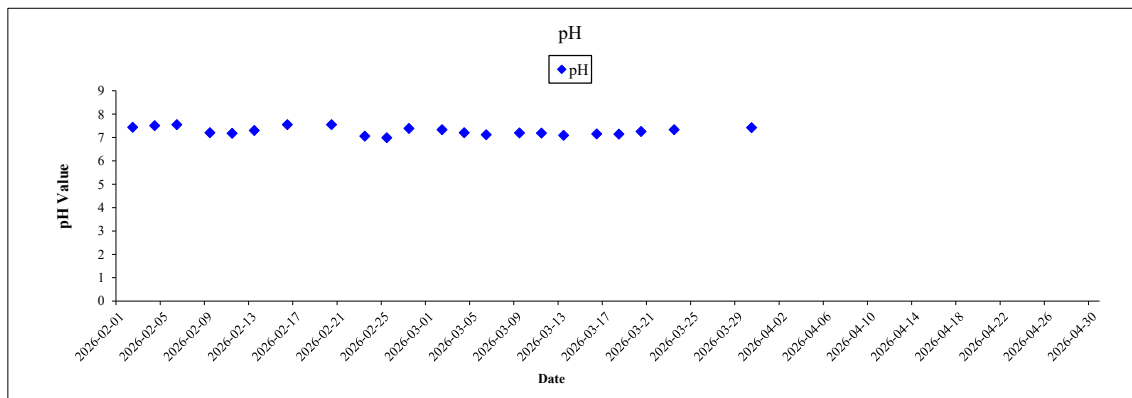
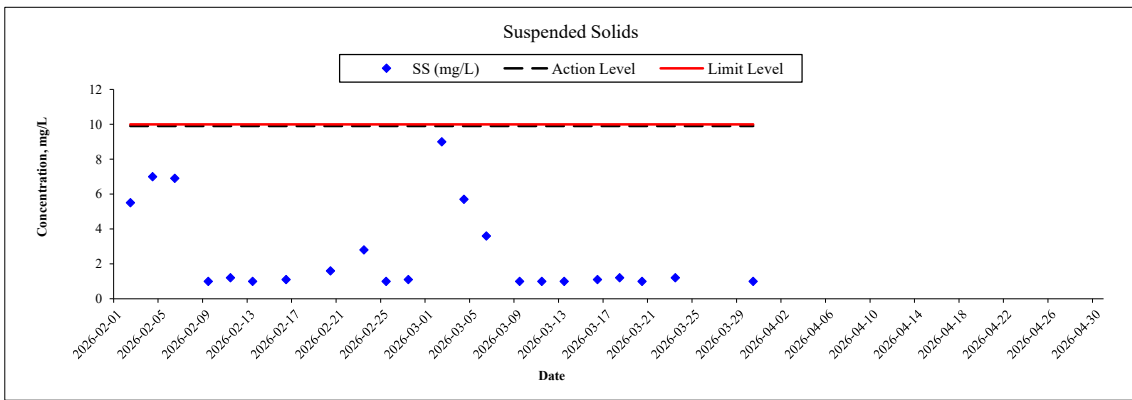
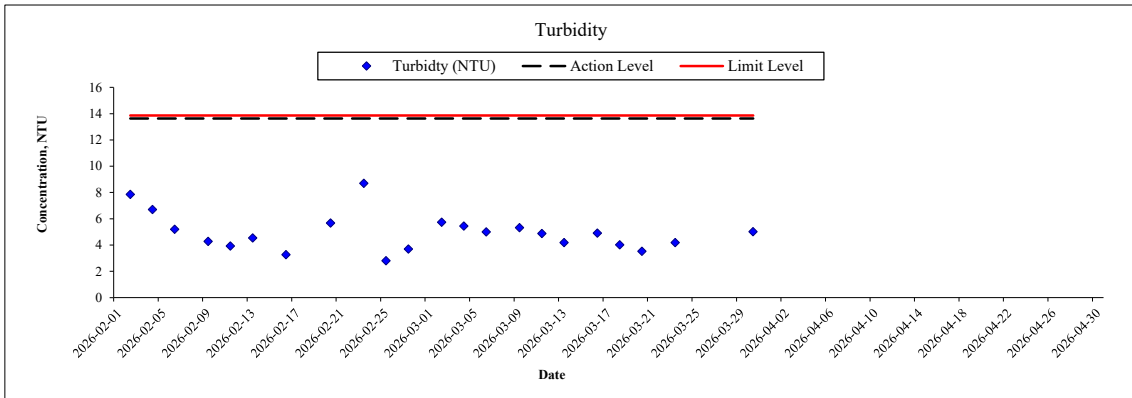
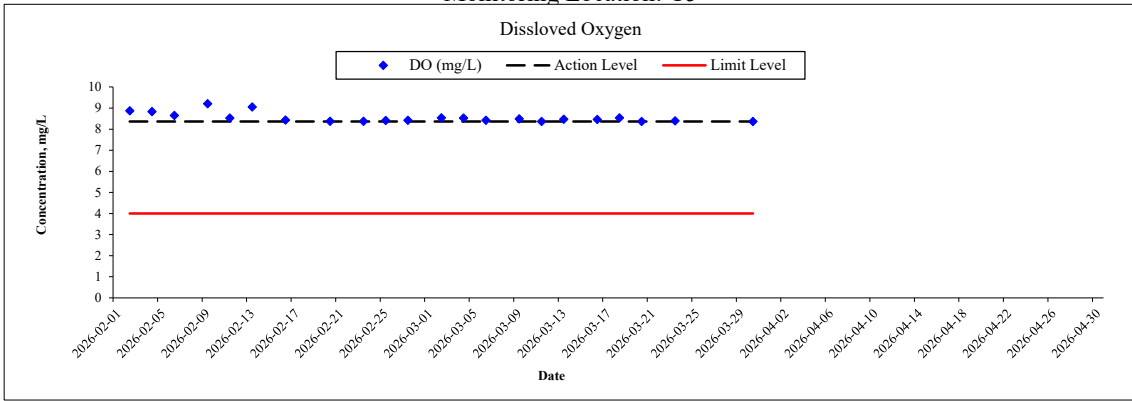
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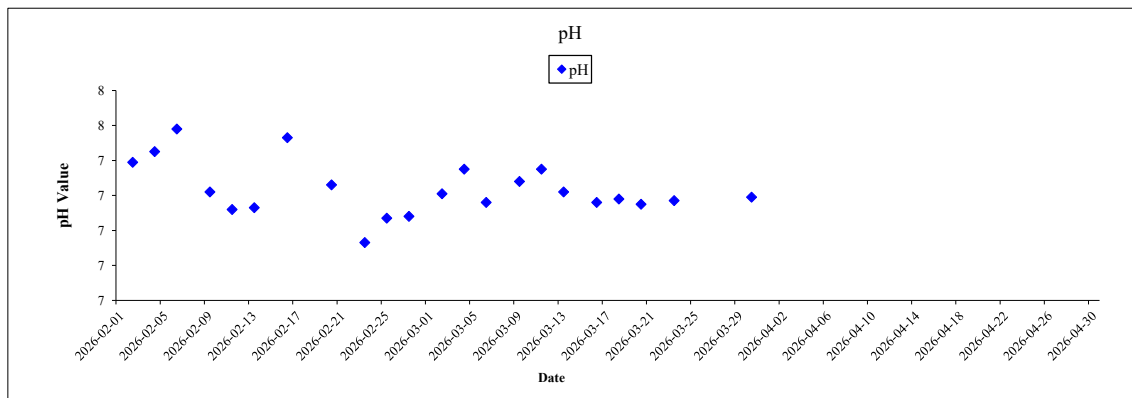
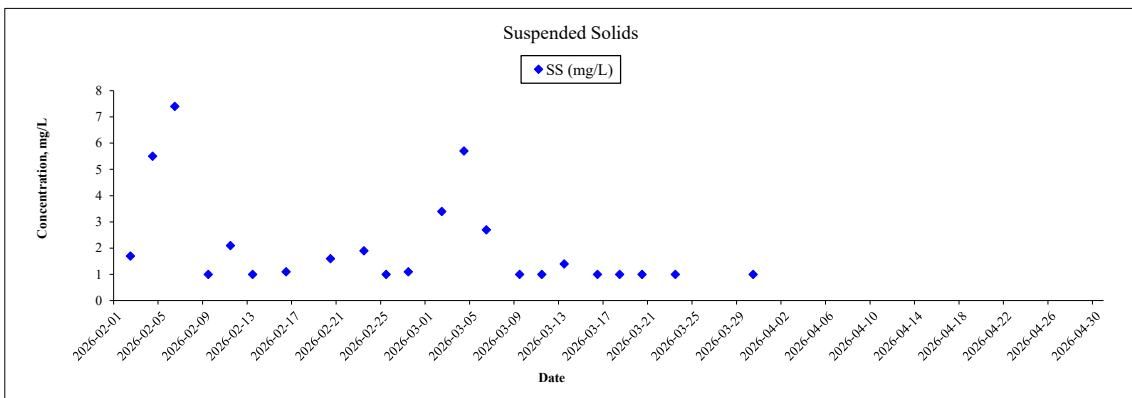
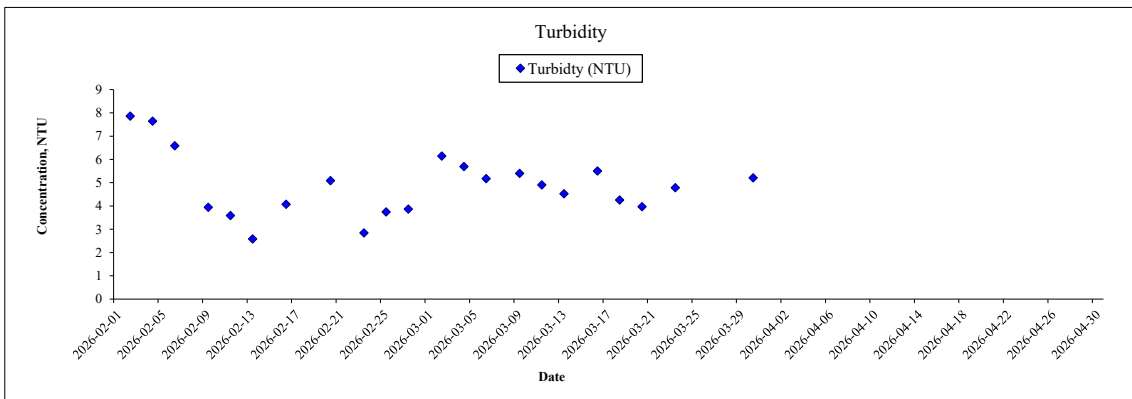
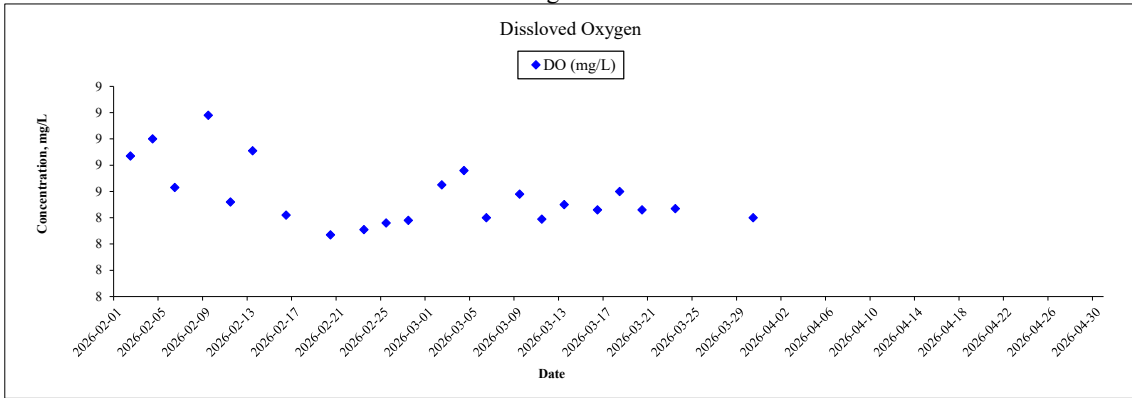
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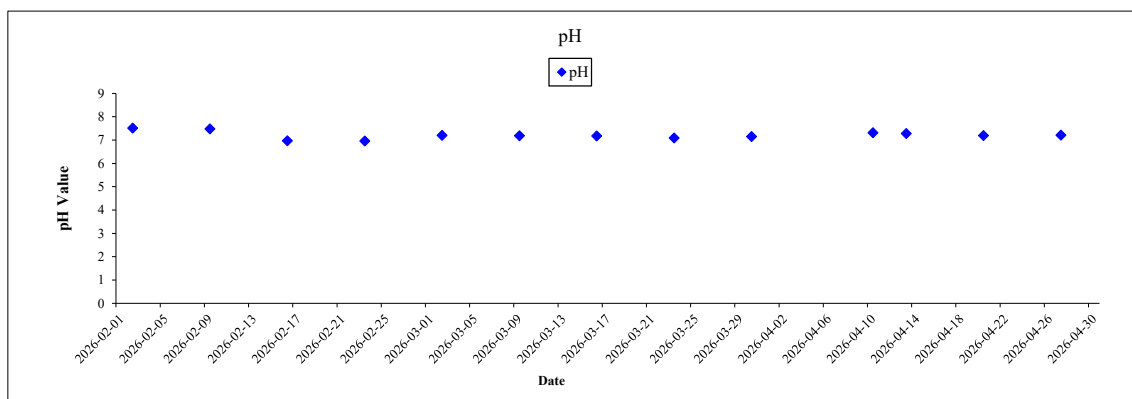
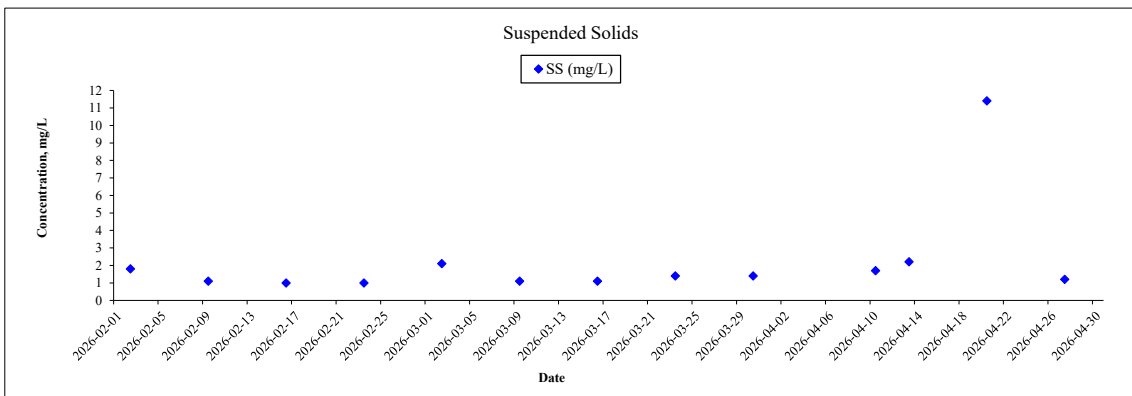
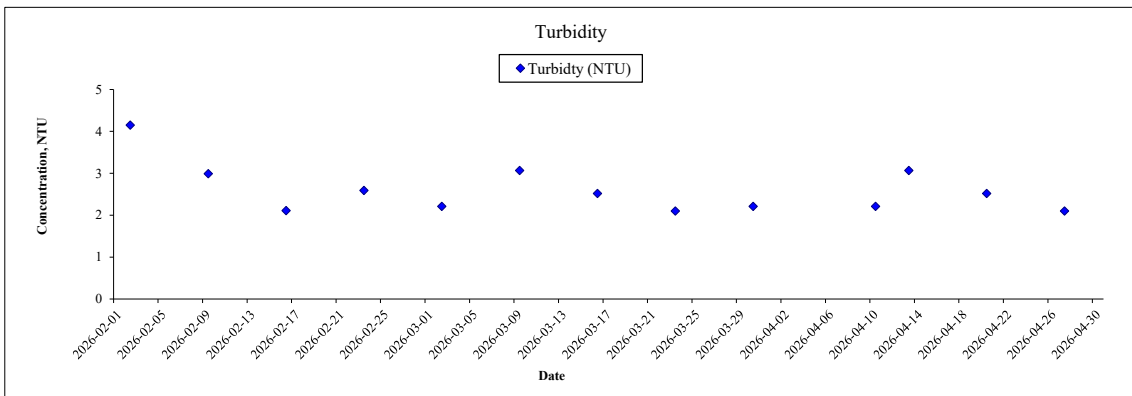
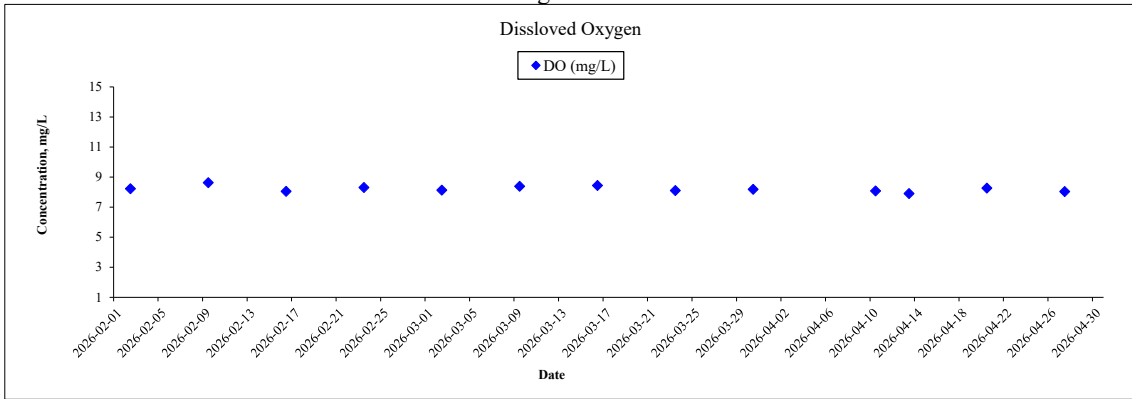
Monitoring Location: C5



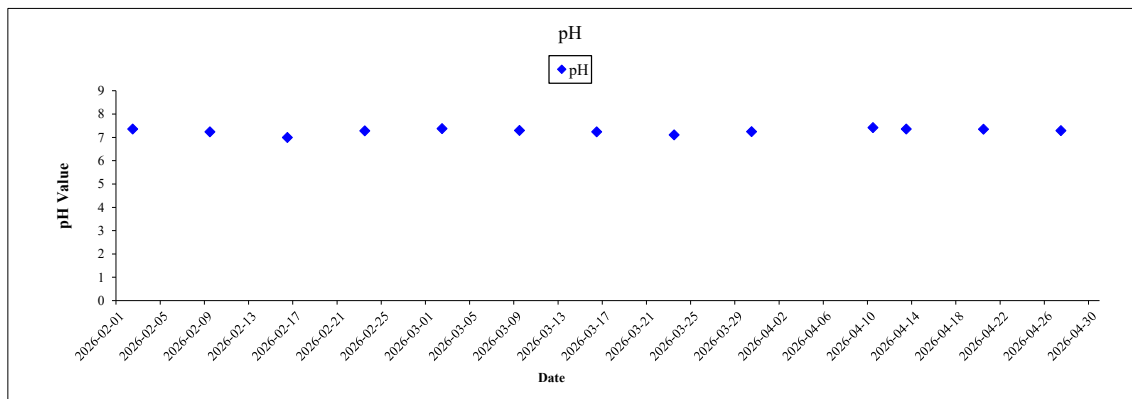
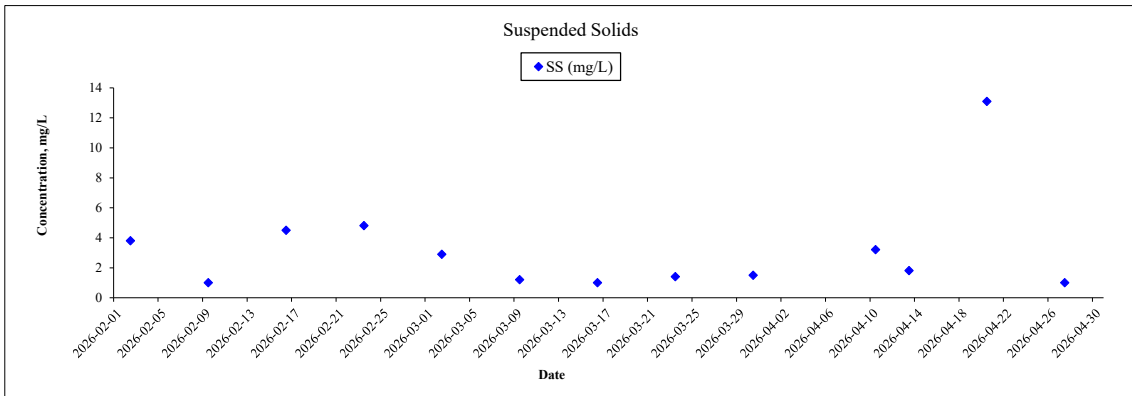
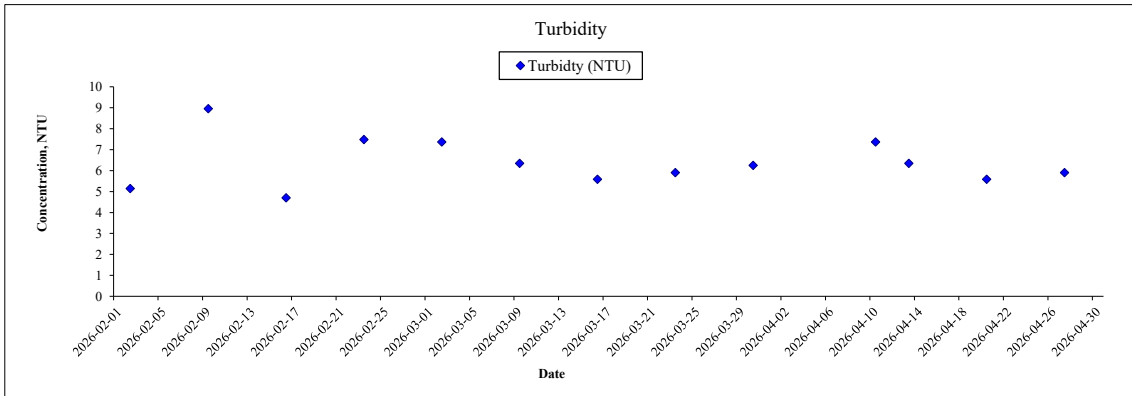
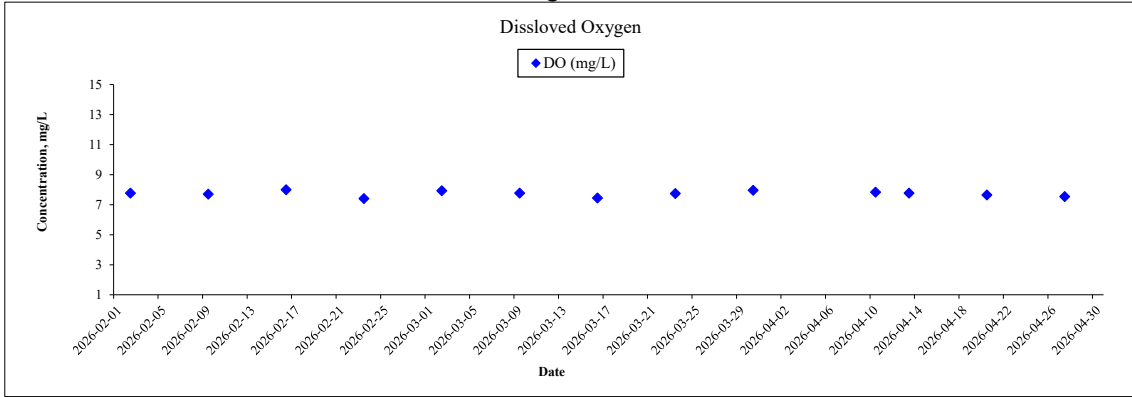
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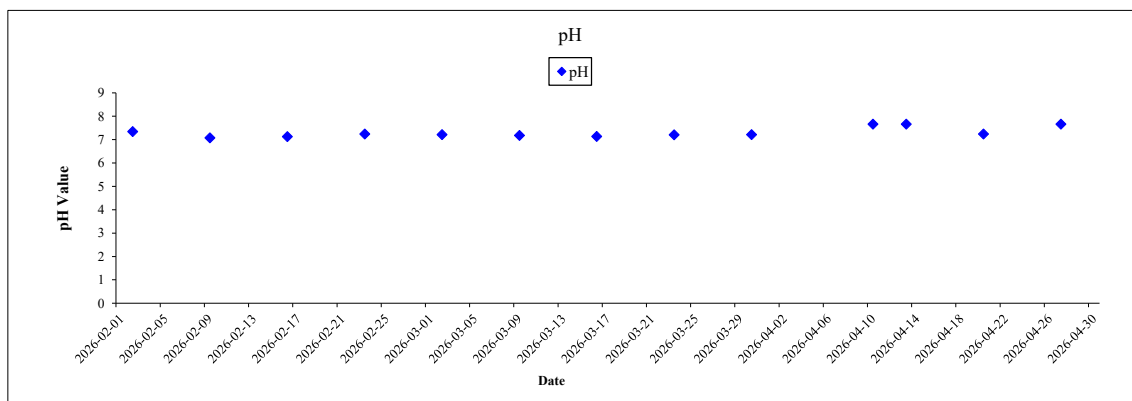
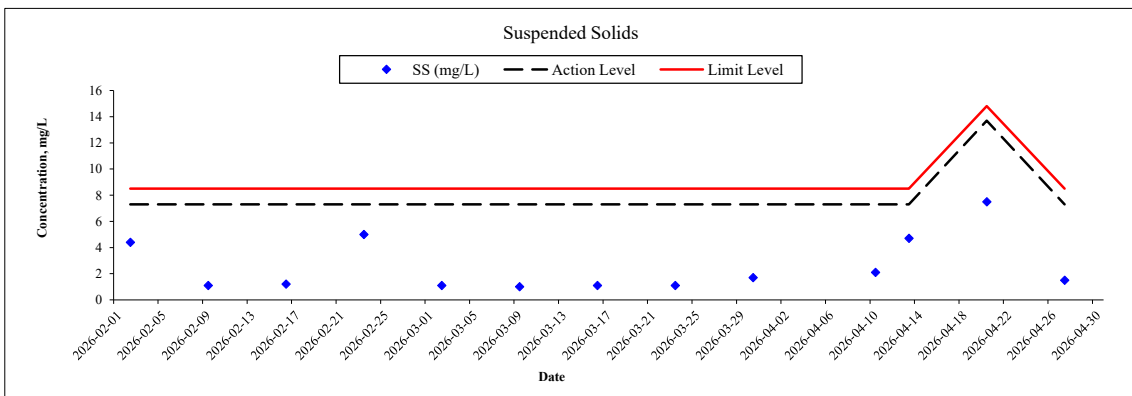
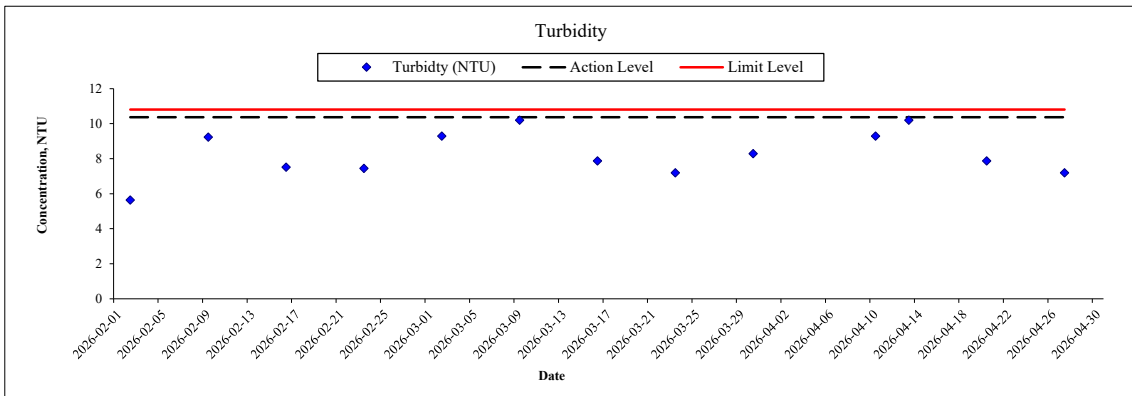
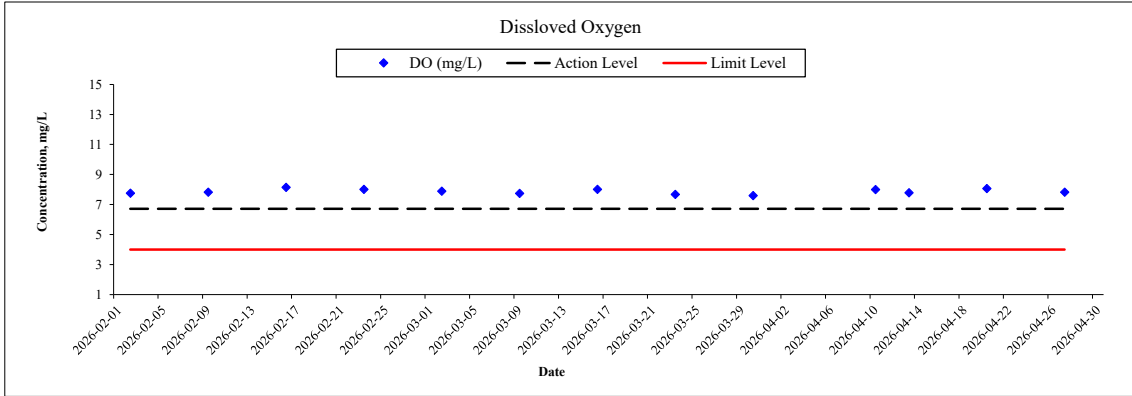
### Monitoring Location: C3A



Monitoring Location: C2



Monitoring Location: C1A

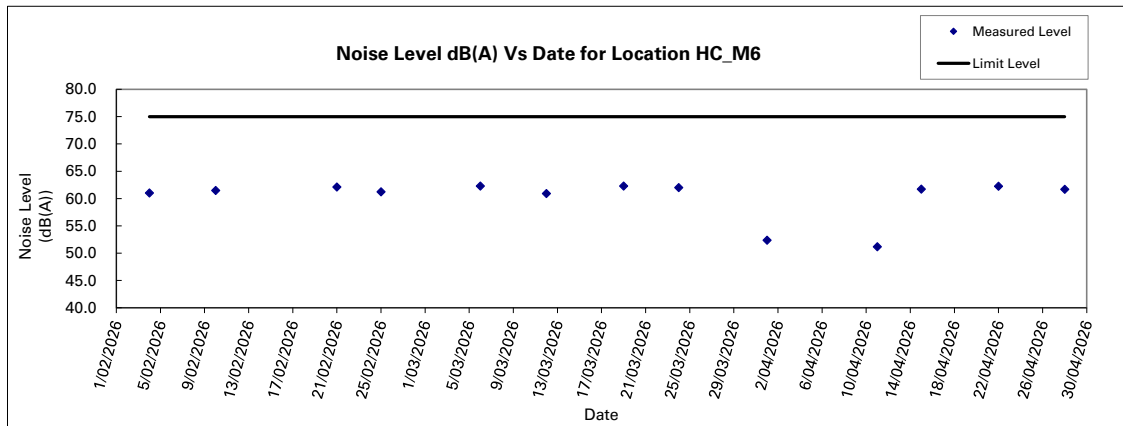
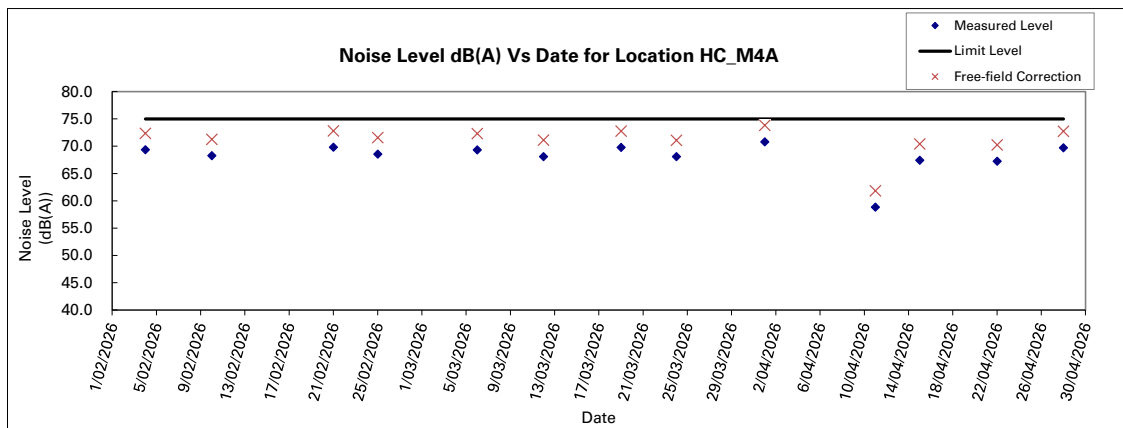
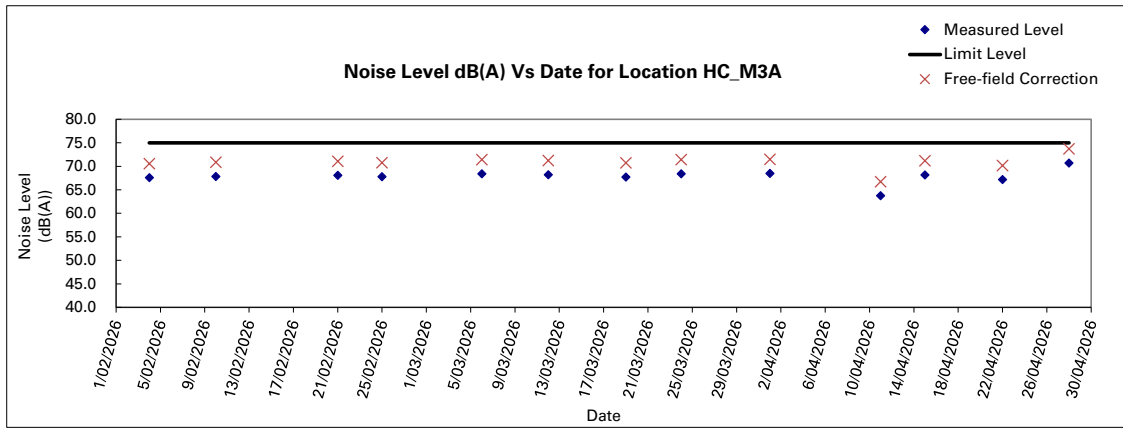


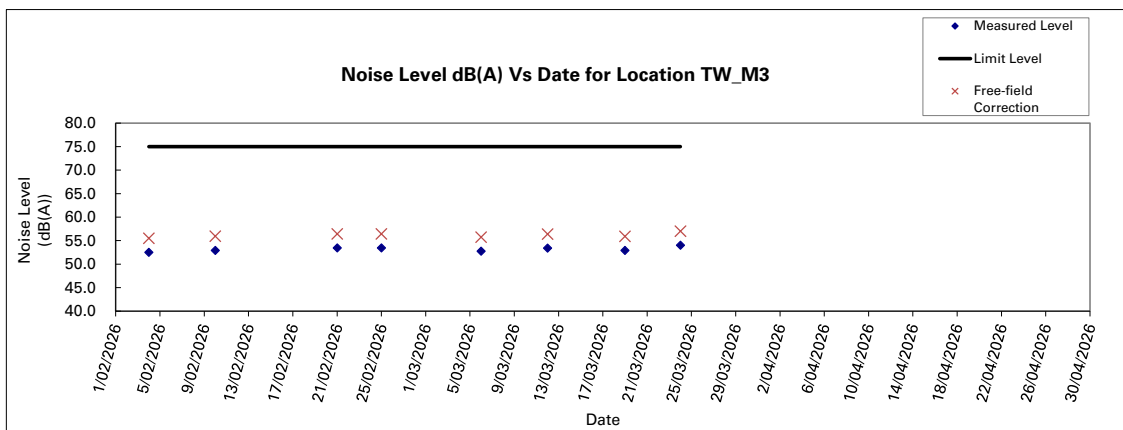
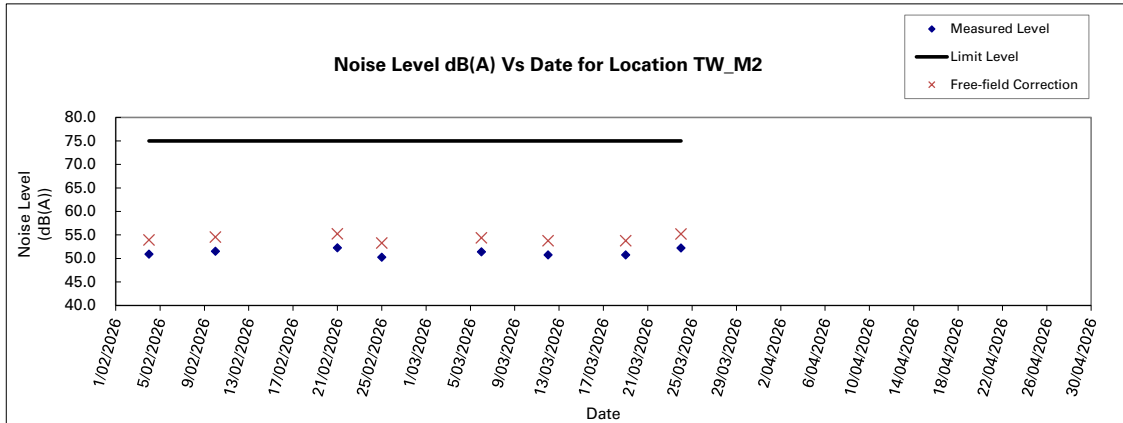
## **Appendix 3.1 Event and Action Plans for Noise**

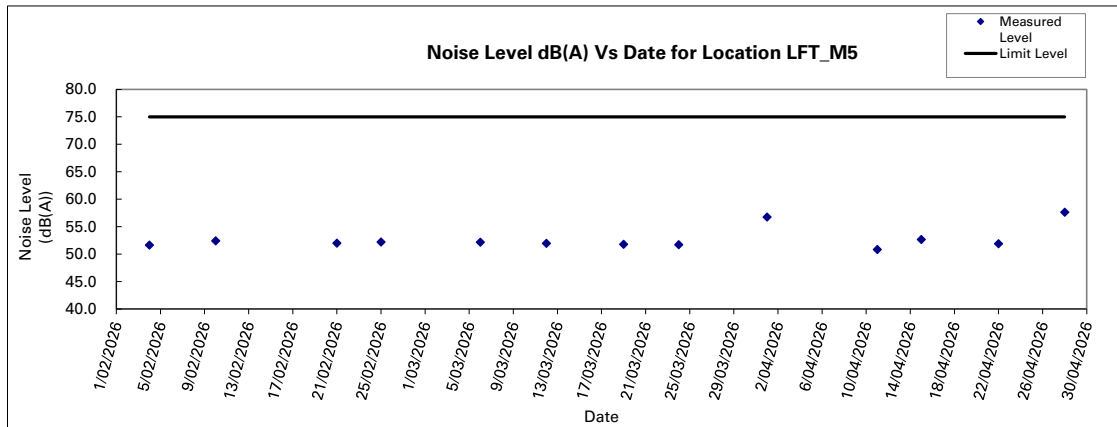
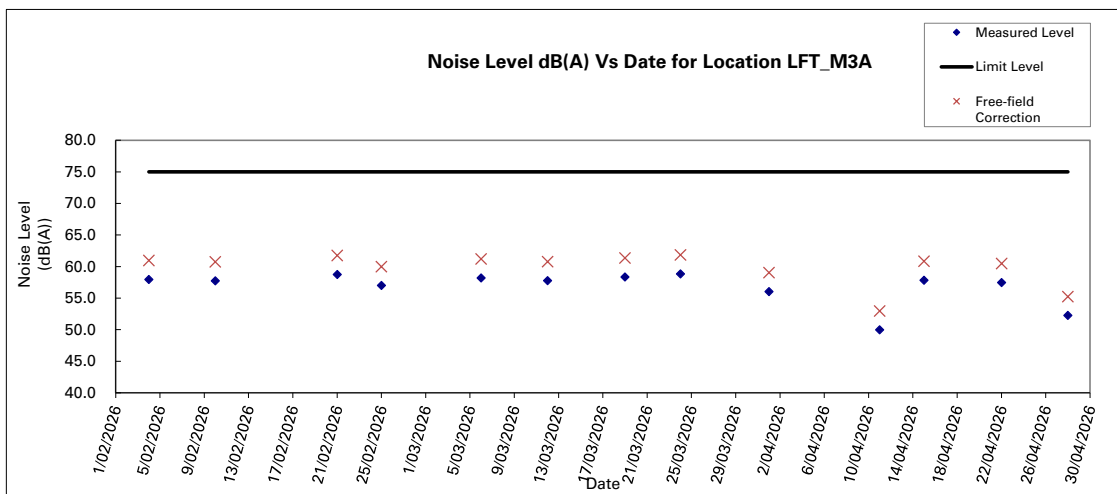
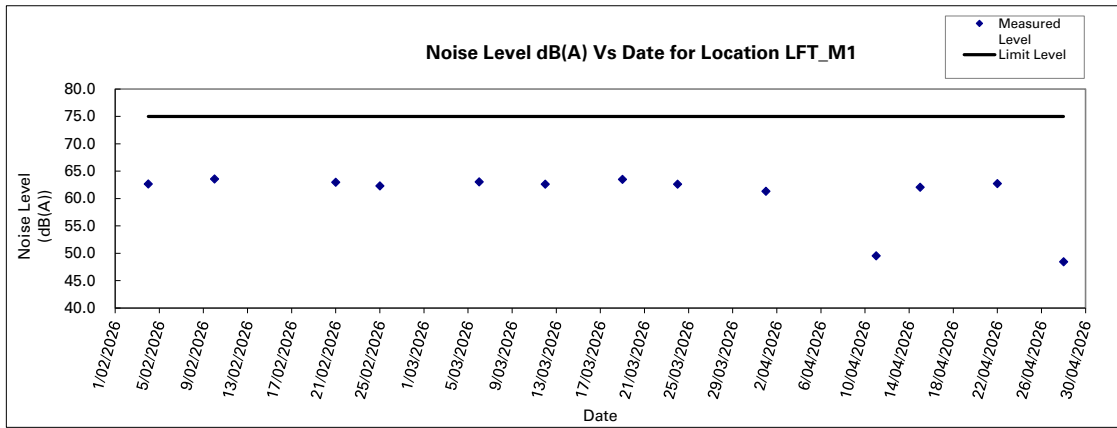
## Event and Action Plan for Noise

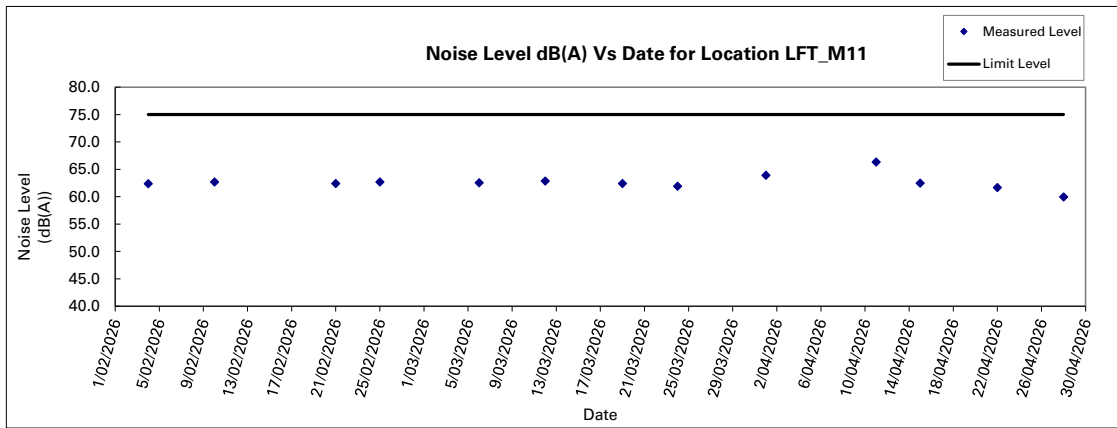
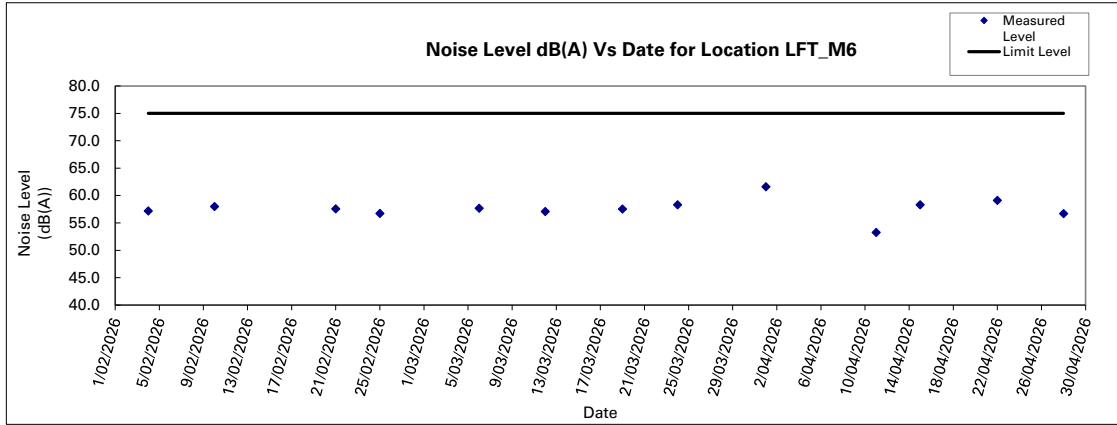
Event	ET	IEC	ER	Contractor
Action Level	<ol style="list-style-type: none"> <li>1. Notify ER, IEC and Contractor;</li> <li>2. Carry out investigation;</li> <li>3. Report the results of investigation to the IEC, ER and Contractor;</li> <li>4. Discuss with the IEC and the Contractor and formulate remedial measures; and</li> <li>5. Increase monitoring frequency to check the effectiveness of mitigation measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Review the investigation results submitted by the ET;</li> <li>2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; and</li> <li>3. Advise the ER on the effectiveness of the proposed remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing;</li> <li>2. Notify Contractor;</li> <li>3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; and</li> <li>4. Supervise the implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Submit noise mitigation proposals to IEC and ER; and</li> <li>2. Implement noise mitigation proposals.</li> </ol>
Limit Level	<ol style="list-style-type: none"> <li>1. Notify IEC, ER, EPD, and Contractor;</li> <li>2. Identify source and investigate the cause of exceedance;</li> <li>3. Repeat measurement to confirm findings;</li> <li>4. Increase monitoring frequency;</li> <li>5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>6. Discuss with the IEC, Contractor and ER on remedial measures required;</li> <li>7. Assess the effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and</li> <li>8. If exceedance stops, cease additional monitoring.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss amongst ER, and Contractor on the potential remedial actions; and</li> <li>2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing;</li> <li>2. Notify Contractor;</li> <li>3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>4. Supervise the implementation of remedial measures; and</li> <li>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.</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance;</li> <li>2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification;</li> <li>3. Implement the agreed proposals;</li> <li>4. Submit further proposal if problem still not under control; and</li> <li>5. Stop the relevant portion of works as determined by ER, until the exceedance is abated.</li> </ol>

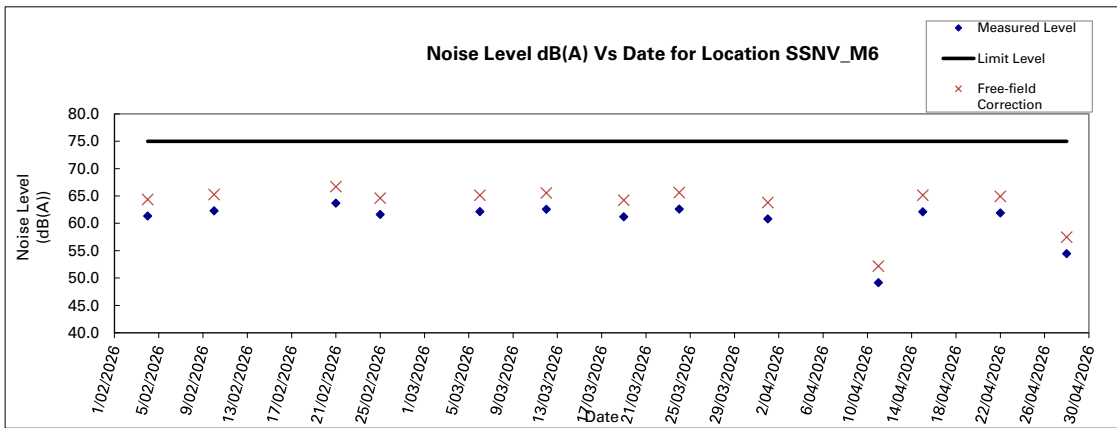
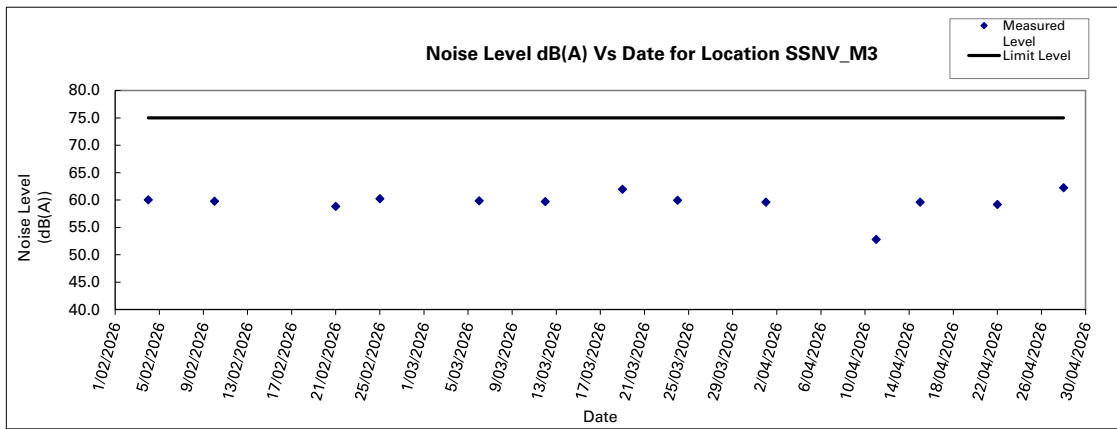
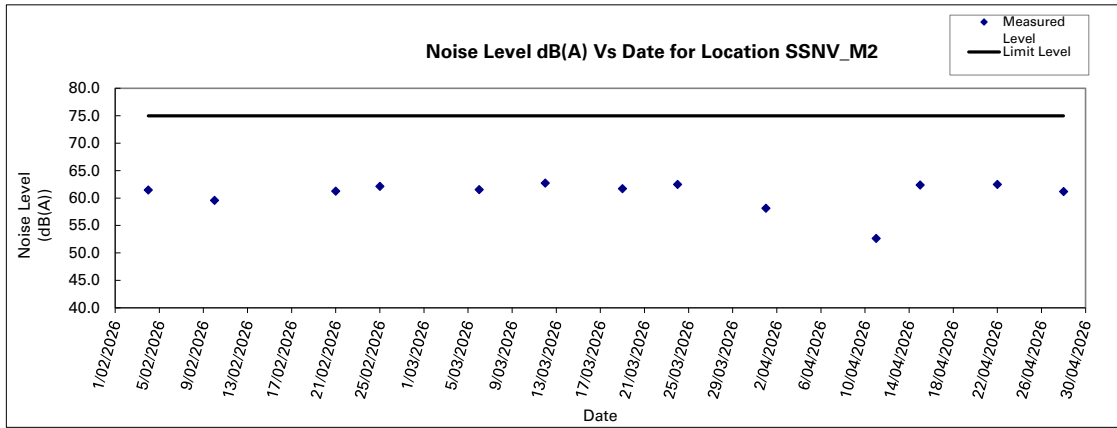
## **Appendix 3.2 Graphical Presentation of Noise Monitoring**











## **Appendix 5.1 Waste Flow Table**



## **Appendix 10.1 Complaint Log**

### Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics		
	Frequency	Cumulative	Complaint Nature
1 February 2026 - 30 April 2026	0	8	N/A

### Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics		
	Frequency	Cumulative	Details
1 February 2026 - 30 April 2026	0	0	N/A

### Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics		
	Frequency	Cumulative	Details
1 February 2026 - 30 April 2026	0	0	N/A

**Document prepared by**

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to life*

