Service Contract No. WD/03/2023 Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development - Environmental Team

3rd Monthly Environmental Monitoring and Audit (EM&A) Report (January 2025)

Revision: 2

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MOTT MACDONALD

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Agreement No. CE 63/2023 (EP)

Independent Environmental Checker for Hung Shui Kiu / Ha Tsuen New Development Area Second Phase Development – Investigation

3rd Monthly Environmental Monitoring and Audit (EM&A) Report (January 2025)

13 February 2025

BY EMAIL

Dear Sir,

We refer to email of 13 February 2025 attaching the 3rd Monthly Environmental Monitoring and Audit (EM&A) Report (January 2025) prepared by the Environmental Team (ET) of the captioned.

We would like to inform you that we have no adverse comment on the captioned submission. Therefore, we write to verify the captioned submission in accordance with the requirement stipulated in Section 15.1.1 of the Updated Environmental Monitoring and Audit Manual.

Should you have any queries, please contact the undersigned at 2828 5967.

Yours faithfully,
For and on behalf of the
MOTT MACDONALD HONG KONG LIMITED

Ir Thomas Chan
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c.c.

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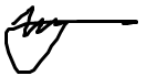
Author signature		Certified by	
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Title	Environmental Team Consultant	Title	Environmental Team Leader

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Executive Summary

A1. This is the 3rd Monthly Environment Monitoring and Audit (EM&A) Report for Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development (the Project). This report was prepared by Aurecon Hong Kong Limited (Aurecon) under Service Contract No. WD/03/2023 Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development - Environmental Team (hereinafter called the "Service Contract"). This report documents the findings of EM&A works at Contract No. YL/2023/01 (hereinafter called the "Contract 1") and Contract No. YL/2023/02 (hereinafter called the "Contract 2") under the Project during the reporting period from 1 to 31 January 2025.

A2. The construction phase EM&A programme started on 1 November 2024.

Key Construction Works in the Reporting Period

A3. A summary of construction activities undertaken during the reporting period is presented below:

Contract 1

- Caring Visit;
- Tree Survey;
- Site Appraisal;
- Underground Utility Detection;
- Ground Investigation Works.

Contract 2

- Tree Felling;
- Ground Investigation;
- Earthworks;
- Piezometer / Standpipe Installation.

Environmental Monitoring and Audit Programme

A4. The monthly EM&A programme was undertaken by the ET in accordance with the Updated EM&A Manual (Apr 2022). A summary of the monitoring and audit activities during the reporting period is presented in **Table A1**.

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

EM&A Activities	Date
Air Quality Monitoring	2, 4, 8, 10, 14, 16, 20, 22, 25, 27 and 28 January 2025
Noise Monitoring	7, 13, 21 and 28 January 2025
Water Quality Monitoring	2, 4, 6, 8, 10, 13, 15, 17, 20, 22, 24 and 27 January 2025
Weekly Environmental Site Inspection (Contract 1)	3, 10, 15, 24 and 27 January 2025
Weekly Environmental Site Inspection (Contract 2)	3, 10, 16, 24 and 27 January 2025

Breaches of Action and Limit Levels

A5. Summary of the environmental exceedances of the reporting period is tabulated in **Table A2**.

Table A2 Summary of Exceedances in the Reporting Period

Environmental Monitoring	Parameter	No. of Exceedances		Total No. of Exceedances	No. of Non-project Related Exceedances		Total No. of Non-project Related Exceedances	No. of Exceedances Related to the Project		Total No. of Exceedances Related to the Project
		AL	LL		AL	LL		AL	LL	
Air Quality	1-hour TSP	0	0	0	0	0	0	0	0	0
Noise	$L_{eq(30mins)}$	0	0	0	0	0	0	0	0	0
Water Quality	DO	0	0	0	0	0	0	0	0	0
	Turbidity	0	0	0	0	0	0	0	0	0
	SS	0	0	0	0	0	0	0	0	0
	pH	0	0	0	0	0	0	0	0	0

Air Quality

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

Noise

A7. No Action Level or Limit Level exceedance was recorded for construction noise monitoring in the reporting period.

Water Quality

A8. All water quality monitoring was conducted as scheduled in the reporting period. No Action or Limit Level exceedance was recorded during impact water quality monitoring in the reporting period.

Complaint Log

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

Notification of Summons and Successful Prosecutions

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

Reporting Changes

A11. There was no reporting change in the reporting period.

Future Key Issues

A12. The major site activities for the next reporting period are summarized below:

Contract 1

- Caring Visit;
- Tree Survey;
- Site Appraisal;
- Underground Utility Detection;

- Ground Investigation Works;
- Realign of Bar Fencing;
- Demolition Works;
- Utilities Laying Works;
- Construction of CLC Footing;
- Demolition of Existing Height Restriction Gantry and Footing at Part T.

Contract 2

- Tree Felling;
- Ground Investigation Works;
- Tree Transplant;
- Earthworks;
- Piezometer / Standpipe Installation;
- Site Clearance and Tree Felling at part E;
- Site Office Setup;
- Preparation of TTA for pipe laying;
- Pipe laying.

1 Introduction

1.1 Project Background

1.1.1 The HSK/HT NDA occupies an area of approximately 714 hectares and is located at the north-western part of the New Territories, midway between the Tuen Mun and Tin Shui Wai New Towns. The sites included scatted land pieces in the area near-by the proposed HSK Station, bounded by Castle Peak Road (Hung Shui Kiu) Castle Peak Road to the south, Kong Sham Western Highway to the west and Tin Shui Wai MTR Station. The HSK/HT NDA will provide associated engineering infrastructure and supply land for subsequent development of public and private housing, community facilities, commercial and industrial premises, the Green Transit Corridor (comprising the Environmentally Friendly Transport Services, footpaths and cycle tracks) and other uses, and for construction of the proposed infrastructure works such as district distributor roads, local roads, revitalisation of existing channels, sewerage (including pumping stations), drainage (including pumping stations), water supply, landscaping, electrical and mechanical (E&M), and associated works.

1.1.2 Currently, the HSK/HT NDA development will be implemented in three phases, comprising First Phase, Second Phase and Remaining Phase development. The First Phase development which comprises the site information and engineering infrastructure works under Advance Works Phases 1 and 2 and Stage 1 Works has commenced construction in 2020.

1.1.3 The HSK/HT NDA Advance Works Phase 3 and Stage 2 Works are collectively called Second Phase development (also known as HSK/HT NDA Second Phase Development – the Project). The HSK/HT NDA Advance Works Phase 3 includes site formation and engineering infrastructure works for the site for Dedicated Rehousing Estate (DRE), residential and industrial uses and Government/Institution or Community (G/IC) developments. It also comprises construction of engineering infrastructure works, including a primary distributor road, district distributor roads, local roads, drainage, sewerage (including pumping stations), water supply, landscaping, E&M and associated works as environmental mitigation measures and EM&A programme. The HSK/HT NDA Stage 2 Works includes site information and engineering infrastructure works for the commercial, residential and G/IC developments in the proposed town centre around the proposed HSK Station, logistics, industrial corporate and technology zones village resite, and the remaining batch of multi-storey buildings.

1.1.4 The Project will be delivered under seven works contracts as below and the general layout plan of the works contracts, except Contract 7 of which the exact extent and scope of works are subject to review, is shown in **Figure 1.1**.

Contract 1

- Site clearance and formation (including land decontamination works) for about 30 hectares of lands, together with provision of associated engineering infrastructure
- Construction of Local Roads L6, L7 and L8
- Construction of associated works including footpaths, cycle tracks, drainage, sewerage, landscaping works and other ancillary works
- Relocation and provision of Community Liaison Centre (CLC)
- Implementation of environmental mitigation measures (including noise barriers and low-noise road surfacing)

Contract 2

- Site clearance and formation for about 8.5 hectares of lands
- Construction of Tan Kwai Tsuen East Fresh Water Service Reservoir and associated roadworks, power supply and landscaping works
- Laying of about 4.5 km long freshwater mains and about 3.5 km long flushing water mains
- Implementation of environmental mitigation measures and related environmental monitoring and audit programme for the works mentioned above

Contract 3

- Site clearance and formation (including land decontamination works) for about 60 hectares of lands, together with provision of associated engineering infrastructure
- Construction of Roads D6, D8, L5, L9, L10, L12, L13, L14, L15, L16, road connection between Road P1 and D6 and road connection between Road P1 and Castle Peak Road and relocation of parking area of MTR Emergency Access Point (EAP) 26 in Tuen Mun
- Construction of Footbridge FB13
- Construction of Underpass UP1
- Realignment of Tin Sam Channel
- Construction of Sewage Pumping Station SPS1
- Construction of associated works including footpaths, cycle tracks, drainage, sewerage, water supply, box culvert, district cooling mains, Common Utility Tunnel, landscaping, E&M works and other ancillary works
- Implementation of environmental mitigation measures (including noise barriers and low-noise road surfacing)

Contract 4

- Site clearance and formation (including land decontamination works) for about 57 hectares of lands, together with provision of associated engineering infrastructure
- Construction of Roads D6, D7, L1, L17, L18, L21, L22, L23, L25 and L35
- Construction of river crossing footbridge FB5, FB9, FB8, FB8A, FB8B, FB8C and FB10 and Pedestrian Subway SW6
- River Revitalisation of Tin Sam Channel
- Construction of Sewage Pumping Station SPS3
- Construction of associated works including footpaths, cycle tracks, drainage, sewerage, water supply, box culvert, district cooling mains, landscaping, E&M works and other ancillary works
- Implementation of environmental mitigation measures (including noise barriers and low noise road surfacing)

Contract 5

- Site clearance and formation (including land decontamination works) for about 60 hectares of lands, together with provision of associated engineering infrastructure
- Construction of primary distributor, district distributor and local roads connecting Hung Shui Kiu/Ha Tsuen New Development Area to Ping Ha Road, Ha Tsuen Road and Castle Peak Road
- Construction of vehicular bridges
- Construction of pedestrian footbridges and subways
- Construction of a sewage pumping station
- Construction of nature terrain hazard mitigation measures

- Construction of associated works including water mains, drainage and sewerage works, district cooling mains, cycle tracks, footpaths, box culverts, junction improvement works, slope works, retaining walls, street furniture, landscaping works, electrical and mechanical works and other ancillary works

Contract 6

- Site clearance and formation (including land decontamination works) for about 70 hectares of lands, together with provision of associated engineering infrastructure
- Construction of Roads D3, D5, L30 and L31 and associated connections
- Construction of Sewage Pumping Station SPS4
- Construction of floodable open spaces and the associated drainage works
- Construction of associated works including footpaths, cycle tracks, drainage, sewerage, water supply, landscaping, E&M works and ancillary works

Contract 7

- All remaining landscaping works to regional, district and local open space, landscape within the streetscape, landscape to the floodable open spaces and landscape to river revitalization or polder areas

1.1.5 Aurecon was commissioned by CEDD to provide EM&A services for the works contracts in relation to the Project pursuant to the requirements as specified in relevant EP, the Updated EM&A Manual (Apr 2022) and the approved EIA Report for the Project to discharge the duties of the ET for the Project, including the baseline monitoring works for various monitoring parameters (e.g. AQM, CNM, WQM, etc.).

1.1.6 This is the 3rd Monthly EM&A Report summarizing the key findings of the construction phase EM&A programme at Contract 1 and Contract 2 from 1 January to 31 January 2025 (the reporting period) and is submitted to fulfil the requirements in Condition 3.3 of the EPs (i.e. EP-531/2017, EP-530/2017, EP-529/2017, EP-528/2017 & EP-527/2017) and Section 15.3 of the Updated EM&A Manual (Apr 2022) of the Project.

1.2 Project Organisation

1.2.1 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	Civil Engineering and Development Department (CEDD)	
Supervisor / Engineer's Representative (ER)	Ove Arup & Partners Hong Kong Limited	
Contractor	Contract No. YL/2023/01 (Contract 1)	Sang Hing – Kuly Joint Venture (SKJV)
	Contract No. YL/2023/02 (Contract 2)	Chun Wo - Build king - Yee Hop Joint Venture (CWBKYH JV)
Environmental Team (ET)	Aurecon Hong Kong Limited	
Independent Environmental Checker (IEC)	Mott MacDonald Hong Kong Limited	

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

1.3 Construction Works Programme and Construction Works Area

1.3.1 The construction phase EM&A programme commenced on 1 November 2024. The construction works programme, and the construction works area of the Project are shown in **Appendix 1.1** and **Figure 1.1** respectively. A summary of construction activities undertaken at Contract 1 and Contract 2 during this reporting period is presented below, and in **Figure 1.2 and Figure 1.3** respectively:

Contract 1

- Caring Visit;
- Tree Survey;
- Site Appraisal;
- Underground Utility Detection;
- Ground Investigation Works

Contract 2

- Tree Felling;
- Ground Investigation;
- Earthworks;
- Piezometer / Standpipe Installation.

1.4 Summary of Environmental Status

1.4.1 A summary of the relevant permits, licences, and/or notifications on environmental protection for the work contracts that are involved in this reporting period is presented in **Table 1.2** and **Table 1.3** respectively.

Table 1.2 Status of Environmental License, Notifications and Permits for Contract 1

Permit / License Name/No.	Valid Period		Status
	From	To	
Environmental Permit			
EP-527/2017	21/02/2017	N/A	Valid
EP-528/2017	21/02/2017	N/A	Valid
EP-529/2017	21/02/2017	N/A	Valid
EP-530/2017	21/02/2017	N/A	Valid
Notification pursuant to Air Pollution Control (Construction Dust) Regulation			
N/A	N/A	N/A	Under application
Billing Account for Disposal of Construction Waste			
7051388	24/06/2024	N/A	Valid
Registration of Chemical Waste Producer			
N/A	N/A	N/A	Under application

Permit / License Name/No.	Valid Period		Status
	From	To	
Effluent Discharge License under Water Pollution Control Ordinance			
N/A	N/A	N/A	Under application (Part T, Part E4)
Construction Noise Permit (CNP)			
N/A	N/A	N/A	Under application (Demolition of Existing Gantry at Part T)

Table 1.3 Status of Environmental License, Notifications and Permits for Contract 2

Permit / License Name/No.	Valid Period		Status
	From	To	
Notification pursuant to Air Pollution Control (Construction Dust) Regulation			
Notification that notifiable works are anticipated to commence (Area A) (EPD Ref. number: 10005847)	13/06/2024	N/A	Valid
Notification that notifiable works are anticipated to commence (Area B) (EPD Ref. number: 10006337)	26/06/2024	N/A	Valid
Notification that notifiable works are anticipated to commence (Area C) (EPD Ref. number: 10006331)	26/06/2024	N/A	Valid
Notification that notifiable works are anticipated to commence (Area D) (EPD Ref. number: 10006336)	26/06/2024	N/A	Valid
Billing Account for Disposal of Construction Waste			
7051428	26/06/2024	N/A	Valid
Account for Registration of Chemical Waste Producer			
WPN: 5213519C498001	13/08/2024	N/A	Valid
Effluent Discharge License under Water Pollution Control Ordinance			
N/A	N/A	N/A	Under application (Site Area B)
Construction Noise Permit (CNP)			
N/A	N/A	N/A	N/A

2 Air Quality Monitoring

2.1 Monitoring Requirement

2.1.1 In accordance with the Updated EM&A Manual (Apr 2022), the ET shall carry out impact monitoring during the construction phase of the Project. 1-hour Total Suspended Particulates (TSP) should be conducted at a frequency of at least three times in every six days when the highest dust impact occurs.

2.2 Monitoring Location

2.2.1 According to the Updated EM&A Manual (Apr 2022), the designated locations for impact air quality monitoring in related to the works contracts in the reporting period are listed in **Table 2.1** and their locations are shown in **Figure 2.1**.

Table 2.1 Summary of Impact Air Quality Monitoring Stations in related to the works contracts in the reporting period

Station(s)	EIA ID	Monitoring Location
AM1	A204	Kam Cheong Garden
AM2	A208	Oaklands Court
AM3	A209	Ling Liang Church Primary School
AM4	A310	Tin Ha Road Playground
AM5	A415	Tin Sum Tsuen
AM6	A410	Galore Garden
AM7	A414	Shek Po Tusen
AM8a(1) (2)	A813	Block J, Tin Shing Court
AM10	A802	Kiu Tau Wai
AM11	A703	Sha Chau Lei Tsuen
AM12	A704	Ha Tsuen Shi
AM14	A601	Tseung Kong Wai
AM22	P240	Planned Village Resite at Site 4-20
AM24	P1501	Planned Port Back-up, Storage and Workshop at Site 3-8
AM25a	-	San Wai Sewage Treatment Works

Notes:
(1) AM8a is the alternative noise monitoring stations proposed to replace AM8.
(2) As the Owners' Corporation for Tin Shing Court refused to grant the permission to access to carry out the set-up of monitoring equipment at the proposed location for subsequent impact monitoring period, a new location, which is at a short distance from the original location (25m), has been then identified and submitted through the proposal of the alternative monitoring location for the impact monitoring. Agreement has been obtained from IEC upon proposal of the alternative monitoring location for the impact monitoring at AM8a.

2.2.2 In accordance with the Table A2.4 in Appendix A of the Updated EM&A Manual (Apr 2022), impact air quality monitoring will be carried out at monitoring stations AM22, AM24 and AM25a after the occupation of the planned port back-up, storage and workshop, and the planned village resite.

2.2.3 As confirmed with ER, the planned port back-up, storages and workshops at Site 3-8, Site 3-14 and the planned village resite Site 4-20 are not constructed yet. Thus, the impact air quality monitoring will be carried out at AM22, AM24 and AM25a after the construction and occupation of these planned port back-up, storages and workshops, and the planned village resite. No air quality monitoring of the mentioned stations was carried out in this reporting period.

2.3 Monitoring Parameter and Frequency and Duration

2.3.1 In accordance to the requirements for placement of equipment, as set out in Section 4.7.1 of the Updated EM&A Manual (Apr 2022) of the Project, the monitoring parameter, frequency and duration of impact air quality monitoring are listed in **Table 2.2**.

Table 2.2 Parameters measured in the Impact Air Quality Monitoring

Parameter	Frequency	Duration
1-hour TSP	3 times for every 6 days	Throughout the construction phase

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

2.4 Monitoring Equipment

2.4.1 Upon approval of the IEC, 1-hour TSP levels can be measured by direct reading method with using handheld dust meter, which is capable of producing comparable results as that by the high-volume sampling method, to indicate short event impacts.

2.4.2 The proposed use of handheld dust meter was submitted to the IEC and agreement was obtained from the IEC in accordance with Section 4.5.5 of the Updated EM&A Manual (Apr 2022).

2.4.3 **Table 2.3** summarizes the equipment used in the air quality monitoring programme. Copies of the calibration certificates of multi-parameter air quality monitoring system are shown in **Appendix 2.1**.

Table 2.3 Air Quality Monitoring Equipment

Equipment	Manufacturer	Model	Quantity	Serial No.
Direct Reading Dust Meter	Sibata	LD-5R	6	467356 467357 467358 467359 467360 467361

2.5 Monitoring Methodology

2.5.1 The 1-hr TSP was sampled by drawing air into the portable dust monitor where particular concentrations were measured instantaneously with an in-built silicon detector sensing light scattered by the particulates in the sampled air. Continuous TSP levels were indicated and logged by a built-in data logger compatible with Windows based program to facilitate data collection, analysis and reporting.

2.5.2 The measuring procedures of the 1-hour dust meter was undertaken in accordance with the Manufacturer's Instruction Manual as follows:

- Placed the 1-hour dust meter at least 1.5m above ground;
- Set POWER to "ON" and make sure that the battery level was not flashed or in low level;
- Pulled the air sampling inlet cover up;
- Pushed the knob at MEASURE position;
- Set time/mode setting to [BG] by pushing the time setting switch. Then, started the background measurement by pushing the start/stop switch once. It took 6 sec. to complete the background measurement;
- Turned knob to SENSI. ADJ position and pressed in;
- Pushed Start/Stop switch once;
- Gently returned knob to the MEASURE position;
- Pushed the time setting switch to change the time setting display to [LOG] at the bottom left of the liquid crystal display;
- Removed the cap and started measurement; and
- Information such as sampling date, time, count value and site condition were recorded during the monitoring period

2.6 Maintenance/Calibration

2.6.1 The following maintenance/calibration was required for the direct dust meters:

2.6.2 Check and calibrate the dust meter by high volume sampler (HVS) to check the validity and accuracy of the results measured by direct reading method. Calibration of dust meter should be carried out every twelve months throughout all stages of the air quality monitoring. The calibration certificates of the monitoring equipment are presented in **Appendix 2.1**.

2.6.3 The correlation coefficient was checked to establish the correlation relationship between the handheld dust meter and HVS. The correlation factor was determined by comparing the results of HVS and handheld dust meter.

2.6.4 Checking is made prior to air quality monitoring commencing to ensure all equipment is in good working condition with necessary power supply. Zero count test were conducted before and after each monitoring event.

2.7 Action and Limit Level for Air Quality Monitoring

2.7.1 The baseline monitoring results formed the basis for determining the air quality criteria for the impact monitoring. The ET shall compare the impact monitoring results with air quality criteria set up for 1-hour TSP. Based on the baseline dust monitoring data and the derivation criteria specified above, the Action/Limit Levels are presented in **Table 2.5**.

Table 2.5 Action and Limit Levels for Air Quality Monitoring

Monitoring Station	Action Level (µg/m3)	Limit Level (µg/m3)
AM1	266	500
AM2	271	
AM3	273	
AM4	268	
AM5	272	
AM6	271	
AM7	282	
AM8a	267	
AM10	271	
AM11	276	
AM12	273	
AM14	280	
AM22	274	
AM24(1)	290	
AM25a(1)	300	

Note:
(1) The Action Level of AM24 an AM25a was determined in the baseline monitoring under the baseline air quality monitoring of HSK/HT NDA Stage 1 Works in December 2021.

2.8 Results and Observations

2.8.1 All air quality monitoring was conducted as scheduled in the reporting period. The air quality monitoring schedule for this reporting period is shown in **Appendix 1.4**.

2.8.2 The air quality monitoring results in related to the works contracts in the reporting period are summarized in **Table 2.6**. No Action or Limit levels exceedance was recorded in the reporting period. Details of the results and graphical presentation are shown in **Appendix 2.2**.

Table 2.6 Summary of Air Quality Monitoring Results in related to the works contracts in the reporting period

Monitoring Station	Averaged Measured Value (μg/m^3)	Minimum Measured Value (μg/m^3)	Maximum Measured Value (μg/m^3)	Action Level (μg/m^3)	Limit Level, (μg/m^3)
AM1	30	9	67	266	500
AM2	26	7	69	271	
AM3	25	9	57	273	
AM4	38	7	70	268	
AM5	42	8	72	272	
AM6	39	11	70	271	
AM7	28	15	45	282	
AM8a	40	14	70	267	
AM10	29	19	36	271	
AM11	31	13	63	276	
AM12	38	14	73	273	
AM14	31	13	61	280	

2.8.3 The major dust source at AM1, AM3, AM6, AM7, AM8a and AM11 included vehicle emission and dust from traffic. At AM2 and AM14, major dust sources included vehicle emission observed nearby. No other sources dust emission was observed at AM4, AM5, AM10, AM12 during air quality monitoring.

2.8.4 Weather condition of the whole baseline monitoring period varied from sunny to rainy. Wind data during the period of baseline monitoring from the Hong Kong Observatory Lau Fau Shan Wind Station (22.46889N, 113.98361E), which is located about 1.25 km from the nearest site boundary of Contract 6. The weather information during the reporting period is summarized in **Appendix 2.3**.

2.9 Event and Action Plan

2.9.1 Should any non-compliance of the criteria occur, action in accordance with the Event and Action Plan in **Appendix 2.4** 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.

3 Construction Noise Monitoring

3.1 Monitoring Requirements

3.1.1 In accordance with the Updated EM&A Manual (Apr 2022), the ET shall carry out impact monitoring during the construction phase of the Project in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}) to monitor the construction noise arising from the construction activities. The regular monitoring frequency for each monitoring station was on a weekly basis and one set of measurements between 0700 and 1900 hours on normal weekdays shall be conducted.

3.2 Monitoring Locations

3.2.1 According to the Updated EM&A Manual (Apr 2022), the monitoring designated locations for construction noise monitoring in related to the works contracts in the reporting period are listed in **Table 3.1** and shown in **Figure 3.1**.

Table 3.1 Construction Noise Monitoring Stations near in related to the works contracts in the reporting period

Monitoeing Station	EIA ID	Location	Nature of Uses	Type of Measurement
CM1(2)	ETCW02	No. 739, Oaklands Court	Residential	Free-Field
CM2 (2)	ESFW01	No. 332, Chung Uk Tsuen	Residential	Free-Field
CM3 (2)	ESFW02	Village house, Nai Wai	Residential	Free-Field
CM4a (1) (2)		Village Representative Building at Chung Uk Tsuen	Residential	Free-Field
CM10	ETSW11	YLPMSAA Tang Siu Tong Secondary School	Educational Institution	Façade
CM13	ESLUT01	No. 46A San Lee Uk Tsuen	Residential	Façade
CM14 (2)		No. 62, San Lee Uk Tsuen	Residential	Free Field
CM15a (1) (2)		Block 15, Bellevue Court	Residential	Free Field
CM16	E52505	Hung Yan House, Hung Fuk Estate	Residential	Façade
CM18 (2)	ESPT06	No. 201, Shek Po Tsuen	Residential	Free Field
CM20 (2)	ESCL03	No. 45, Sha Chau Lei Tsuen	Residential	Free-Field
CM28 (2)	42001	Planned Residential Development in Site 4-20	Residential	Free-Field
CM29 (2)	42251	Planned Residential Development in Site 4-22	Residential	Free-Field
CM31(2)	52408	Planned Residential Development in Site 5-24	Residential	Free-Field
CM32 (2)	52151	Planned School in Site 5-21	Educational Institution	Free-Field

Notes:

(1) Alternative noise monitoring stations to replace the original noise monitoring stations in accordance with the Proposal of Alternative Monitoring Locations approved by EPD.

(2) For Free Field measurement, +3 dB(A) should be added to the measured results.

3.2.2 As confirmed with ER, the planned residential development at Site 4-20, Site 5-22 and Site 5-24, and the planned school at Site 5-21 are not constructed yet. Thus, the impact noise monitoring will be carried out at monitoring stations CM28, CM29, CM31 and CM32 after the construction and occupation of these planned residential development and the planned school. No noise monitoring of the mentioned stations was carried out in this reporting period.

3.3 Noise Monitoring Parameter, Frequency and Duration

3.3.1 Construction noise level was measured by the ET and measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). $L_{eq(30mins)}$ used as the monitoring parameter for the construction noise monitoring.

3.3.2 As supplementary information for data auditing, statistical results such as L_{10} and L_{90} were also obtained for reference.

3.3.3 **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
CM1, CM2, CM3, CM4a, CM10, CM13, CM14, CM15a, CM16, CM18 and CM20	$L_{eq(30mins)}$, L_{10} and L_{90}	Once every week throughout the construction phase

3.4 Monitoring Equipment, Methodology and QA / QC Procedure

3.4.1 As referred to the technical memorandum issued under the Noise Control Ordinance (NCO), sound level meters in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications were used for carrying out the construction noise monitoring.

3.4.2 Noise measurements were not made in fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed was checked with a portable wind speed meter capable of measuring the wind speed in m/s.

3.4.3 Sufficient numbers of noise measuring equipment and associated instrumentation were prepared by the ET. All the equipment and associated instrumentation were clearly labelled.

3.4.4 The monitoring procedures are as follows:

- For façade measurement, the monitoring station was set at a point 1 m from the exterior of the sensitive receivers building façade and set at a position 1.2 m above the ground. For free-field measurement, the monitoring station was set at a position 1.2 m above the ground.
- The battery condition was checked to ensure good functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the interval were set as follows:

- Frequency weighting: A
- Time weighting: Fast
- Interval: 30 minutes ($L_{eq(30mins)}$)

- Prior to and after each noise measurement, the meter was calibrated using an acoustic calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement was considered invalid and repeat of noise measurement will be required after re-calibration or repair of the equipment.
- At the end of the monitoring period, the values of L_{eq}, L_{10} and L_{90} were recorded. In addition, noise sources were recorded on a standard record sheet.

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

Table 3.3 Construction Noise Monitoring Equipment

Equipment	Manufacturer	Model	No. of Equipment	Serial No.
Sound Level Meter	Nti Audio	XL3	2	A3A-01229-F0 A3A-01230-F0
Acoustic Calibrator	Rion	NC-75	2	34724244 34724245

3.5 Maintenance and Calibration

3.5.1 Maintenance and calibration procedures are as follows:

- The microphone head of the sound level meter and calibrator were regularly cleaned with a soft cloth; and
- The sound level meter and acoustic calibrator were calibrated annually; and
- The accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency immediately prior to and following each noise measurement. Measurements were accepted as valid only if the calibration level from before and after the noise measurement agree to within 1.0 dB.

3.6 Action and Limit Levels

3.6.1 The Action and Limit levels were established in accordance with the Updated EM&A Manual (Apr 2022). **Table 3.4** presents the Action and Limit Levels for construction noise. Should non-compliance of the criteria occur, action in accordance with the Event and Action Plan presented in **Appendix 3.3** shall be carried out.

Table 3.4 Action and Limit Levels for Construction Noise Monitoring

Time Period	Action	Limit Level
07:00 – 19:00 on normal weekdays	When one or more documented complaints are received	75 dB(A)(1)

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.

3.7 Results and Observations

3.7.1 All air quality monitoring was conducted as scheduled in the reporting period. The air quality monitoring schedule for this reporting period is shown in **Appendix 1.4**.

3.7.2 No Action or Limit levels exceedance was recorded in the reporting period. Details of the results and graphical presentation are shown in **Appendix 3.2**. The construction noise monitoring results are summarized in **Table 3.5**.

Table 3.5 Summary of Construction Noise Monitoring Results in related to the works contracts in the reporting period

Date	Measured Noise Level: $L_{eq(30min)}$, dB(A)	Measured Noise Level with façade correction: $L_{eq(30min)}$, dB(A) (1)	Baseline Level, dB(A)	Construction Noise Level: $L_{eq(30min)}$, dB(A) (3)
CM1 (1)				
07/01/2025	56.3	59.3	58.7	50.1
13/01/2025	53.4	56.4	58.7	56.4 measured level ≤ baseline level
21/01/2025	53.1	56.1	58.7	56.1 measured level ≤ baseline level
28/01/2025	53.0	56.0	58.7	56.0 measured level ≤ baseline level
CM2 (1)				
07/01/2025	71.4	74.4	64.2	73.9
13/01/2025	71.0	74.0	64.2	73.5
21/01/2025	70.9	73.9	64.2	73.4
28/01/2025	71.8	74.8	64.2	74.4
CM3 (1)				
07/01/2025	66.1	69.1	71.5	69.1 measured level ≤ baseline level
13/01/2025	65.8	68.8	71.5	68.8 measured level ≤ baseline level
21/01/2025	65.5	68.5	71.5	68.5 measured level ≤ baseline level
28/01/2025	65.5	68.5	71.5	68.5 measured level ≤ baseline level
CM4a (1)				
07/01/2025	66.0	69.0	75.0	69.0 measured level ≤ baseline level
13/01/2025	64.9	67.9	75.0	67.9 measured level ≤ baseline level
21/01/2025	63.5	66.5	75.0	66.5 measured level ≤ baseline level
28/01/2025	65.2	68.2	75.0	68.2 measured level ≤ baseline level
CM10 (2)				
07/01/2025	57.0	N/A	60.9	57.0 measured level ≤ baseline level
13/01/2025	57.1	N/A	60.9	57.1 measured level ≤ baseline level
21/01/2025	54.9	N/A	60.9	54.9 measured level ≤ baseline level
28/01/2025	58.3	N/A	60.9	58.3 measured level ≤ baseline level

Date	Measured Noise Level: $L_{eq(30min)}$, dB(A)	Measured Noise Level with façade correction: $L_{eq(30min)}$, dB(A) (1)	Baseline Level, dB(A)	Construction Noise Level: $L_{eq(30min)}$, dB(A) (3)
CM13				
07/01/2025	50.6	N/A	54.4	50.6 measured level ≤ baseline level
13/01/2025	50.4	N/A	54.4	50.4 measured level ≤ baseline level
21/01/2025	50.7	N/A	54.4	50.7 measured level ≤ baseline level
28/01/2025	54.4	N/A	54.4	54.4 measured level ≤ baseline level
CM14 (1)				
07/01/2025	55.4	58.4	47.4	58.1
13/01/2025	54.7	57.7	47.4	57.2
21/01/2025	54.8	57.8	47.4	57.4
28/01/2025	61.9	64.9	47.4	64.8
CM15a (1)				
07/01/2025	68.4	71.4	64.7	70.3
13/01/2025	68.3	71.3	64.7	70.2
21/01/2025	69.1	72.1	64.7	71.2
28/01/2025	68.3	71.3	64.7	70.2
CM16				
07/01/2025	59.5	N/A	71.9	59.5 measured level ≤ baseline level
13/01/2025	59.4	N/A	71.9	59.4 measured level ≤ baseline level
21/01/2025	64.4	N/A	71.9	64.4 measured level ≤ baseline level
28/01/2025	60.0	N/A	71.9	60.0 measured level ≤ baseline level
CM18 (1)				
07/01/2025	60.8	63.8	56.6	62.9
13/01/2025	64.4	67.4	56.6	67.1
21/01/2025	63.3	66.3	56.6	65.8
28/01/2025	65.0	68.0	56.6	67.7
CM20 (1)				
07/01/2025	53.5	56.5	57.8	56.5 measured level ≤ baseline level
13/01/2025	52.9	55.9	57.8	55.9 measured level ≤ baseline level
21/01/2025	54.5	57.5	57.8	57.5 measured level ≤ baseline level
28/01/2025	58.5	61.5	57.8	59.0

Note:
(1) For Free Field measurement, +3 dB(A) was added to the measured results.
(2) 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. The examination period was between 13 January 2025 and 24 January 2025.
(3) The measured noise level was corrected with the corresponding baseline noise level erasing any non-project related noise from the background (e.g. traffic noise, etc.) recorded during the monitoring periods.

3.7.3 During the construction noise monitoring period, road traffic noise may potentially affect the results obtained from CM1, CM2, CM3, CM4a, CM10, CM13 CM14, CM15a CM16, CM18 and CM20.

3.8 Event and Action Plan

3.8.1 Should non-compliance of the noise monitoring criteria occur, actions in accordance with the Event and Action Plan in **Appendix 3.3** shall be carried out.

4 Water Quality

4.1 Monitoring Requirement

4.1.1 In accordance with the Updated EM&A Manual (Apr 2022), 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.

4.1.2 Replicate *in-situ* measurements of dissolved oxygen (DO), temperature, turbidity, pH, and suspended solids (SS) for each independent sampling event shall be collected to ensure a robust statistically interpretable database.

4.2 Monitoring Location

4.2.1 Impact water quality monitoring in related to the works contracts in the reporting period was conducted at 12 monitoring stations which is summarized in **Table 4.1**. The location of water quality monitoring stations is shown in **Figure 4.1**.

Table 4.1 Summary of Impact Water Quality Monitoring Stations in related to the works contracts in the reporting period

Fresh Water System	Monitoring Station ID	Coordinates (HK Grid)		Description (1)
		Easting	Northing	
TSW Main Channel and its tributaries	U2	816240	834009	U
	U5a (2)	816212	832138	U
	U6a (2)	817666	832421	U
	TS1	816815	832297	G
	TS2a (2)	817278	833493	G
	TSR1a (2)	817786	834125	G
	HT	816866	834314	G
	LUTa (2)	817547	834717	G
	D2a (2)	817483	835855	I
Tuen Mun River	D3	816437	831500	I
Upstream / Tributaries of Shan Pui River (3)	D5a (2)	819054	832288	I
	D6a (2)	818934	832032	I

Notes:
(1) G: Gradient Station; I: Impact Station; U: Upstream Station.
(2) U5a, U6a, TS2a, TSR1a, LUTa, D2a, D5a and D6a are the alternative water quality monitoring stations to replace U5, U6, TS2, TSR1, LUT, D2, D5 and D6, respectively, in accordance with the agreed Proposal of Alternative Monitoring Locations.
(3) The original monitoring station (i.e. U7) had been cancelled owing to the location was on a steep slope within densely vegetated area in which no water flowing through in wet season in accordance with the Proposal of Alternative Monitoring Locations.

4.3 Monitoring Parameter and Frequency

4.3.1 The monitoring parameters, frequency and duration of impact water quality monitoring are listed in **Table 4.2**.

Table 4.2 Parameters measured in the Impact Water Quality Monitoring

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

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

4.4 Sampling Depths & Replication

4.4.1 During impact water quality monitoring, each station was sampled. Due to a shallow water depth (less than 3 m) with low flow rates in rivers, all the monitoring would be located at mid-depth level.

4.4.2 Duplicate water samples were collected at each sampling depth for laboratory measurement of SS. Samples were stored in high density polythene bottles, packed in ice (cooled to 4 °C without being frozen), and delivered to the laboratory on the same day of collection for analysis.

4.5 Monitoring Equipment

4.5.1 The measurement of DO, temperature, turbidity, pH and stream water depth were undertaken *in-situ*. *In-situ* monitoring instruments in compliance with the specifications listed under Section 6.8 of the Updated EM&A Manual (Apr 2022) were adopted to undertake the water quality monitoring for the Project. Water quality monitoring equipment with the following specifications shall be supplied and maintained by the ET.

Dissolved Oxygen and Temperature Measuring Equipment

4.5.2 The instrument for measuring dissolved oxygen and temperature should be portable and weatherproof complete with cable, sensor, and use DC power source. The equipment was capable of measuring:

- A dissolved oxygen level in the range of 0 – 50 mg/L and 0 – 500% saturation; and
- The temperature within -5 – 50 °C.

4.5.3 It should have a membrane electrode with automatic temperature compensation connected with a cable. Sufficient stocks of spare electrodes and cables should be available for replacement where necessary (e.g. YSI ProDSS (multi-parameters) or an approved similar instrument).

pH

4.5.4 pH meter (e.g. YSI ProDSS (multi-parameters) or equivalent) should be used to measure pH value of water samples *in-situ*. It should be readable in a range of 0 to 14. Standard buffer solutions of at least pH 7 to pH 10 shall be used for calibration of the instrument before and after use.

Turbidity Measurement Equipment

4.5.5 The instrument should be a portable, weatherproof turbidity-measuring instrument with a comprehensive operation manual. The equipment should use a DC power source. It should have a photoelectric sensor capable of measuring turbidity between 0 – 4000 NTU and be equipped with a cable (e.g. YSI ProDSS (multi-parameters) or an approved similar instrument).

Suspended Solids

4.5.6 A water sampler should comprise a transparent PVC cylinder, with a capacity of not less than 2 litres, and should be effectively sealed with latex cups at both ends. The sampler should have a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth (e.g. Wildco 2.2L Water Sampler or an approved similar instrument).

4.5.7 Water samples for suspended solids measurement shall be collected in high density polythene bottles, packed in ice (chilled to 4 °C without being frozen), and delivered to the laboratory as soon as possible after collection.

Water Depth Detector

4.5.8 A portable, battery-operated echo sounder should be used for determining water depth at each designated monitoring station.

4.5.9 For shallow water (less than 1 m deep), a portable water depth ruler in a range 0 – 7m should be used to measure water depth.

Monitoring Position Equipment

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

Water Sampling Equipment

4.5.11 A transparent PVC or glass cylinder, which has a volume of not less than 2 litres and can be sealed at both ends with cups, should be equipped with a positive latching system. During the water sampling, a messenger is released to trigger the closure of the water sampler at suitable water depth.

4.5.12 For sampling location with shallow water depth, plastic bucket would be used instead.

Calibration of *In-situ* Instruments

4.5.13 All *in-situ* monitoring instruments should be checked, calibrated and certified by a laboratory accredited under HOKLAS or another international accreditation scheme before use, and subsequently re-calibrated at 3-monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes should be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter should be carried out before measurement at each monitoring location.

Back-up Equipment

4.5.14 Sufficient stocks of spare parts should be maintained for replacements when necessary. Backup monitoring equipment shall also be made available so that monitoring can proceed uninterruptedly even when some equipment is under maintenance, calibration, etc.

4.5.15 **Table 4.3** summarizes the equipment used in the water quality monitoring programme. Copies of the calibration certificates of multi-parameter water quality monitoring system are shown in **Appendix 4.1**.

Table 4.3 Water Quality Monitoring Equipment

Equipment	Model	Quantity	Serial No.	Parameter	Range	Accuracy
Water Sampler	Wildco 2.2L Water Sampler with messenger or plastic bucket (used in shallow water depth)	1	N/A	N/A	N/A	N/A
Multi-functional Water Quality Meter	YSI ProDSS (multi-parameters)	3	15M101091 22C106561 22D100436	Dissolved Oxygen (DO)	0 to 500%	• 0 to 200%: ±1% of reading • 200 to 500%: ±8% of reading
					0 to 50 mg/L	• 0 to 20 mg/L: ±0.1 mg/L or 1% of reading, whichever is greater • 20 to 50 mg/L: ±8% of reading
				Temperature	-5 to 50 °C	±0.2 °C

Equipment	Model	Quantity	Serial No.	Parameter	Range	Accuracy
				pH	0 to 14 pH units	±0.2 pH units
				Turbidity	0 to 4000 NTU	• 0 to 999 NTU: 0.3 NTU or ±2% of reading, whichever is greater • 1000 to 4000 NTU: ±5% of reading
Water Depth Ruler	鼎峯 0708	1	NA*	Water depth	0 – 7 m (Used for water depth less than 1 m)	±0.01 m
Positioning Equipment	Garmin (GPSmap 78s)	1	1WL223754	Positioning	N/A	GPS: ±1m

4.6 Monitoring Methodology

4.6.1 Water samples were collected at an appropriate water depth using a sealable transparent PVC or glass cylinder. For locations with shallow water depth, a plastic bucket was used as an alternative. Usually, water was then transferred to the sample bottles until they were filled to the top with no remaining air space before the lid was securely screwed on.

4.6.2 Multi-functional water quality meters were checked, calibrated and certified by Quality Pro Test-Consult Limited (HOKLAS reg no. 259) before use, and would be subsequently re-calibrated at 3-monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes should be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter should be carried out before measurement at each monitoring location. Sufficient stocks of spare parts should be maintained for replacements when necessary. Backup monitoring equipment should also be made available so that monitoring can proceed uninterrupted even when some equipment is under maintenance, calibration, etc.

4.6.3 Water samples for suspended solids measurement were collected in high density polythene bottles, packed in ice (chilled to 4 °C being frozen), and delivered to the laboratory as soon as possible after collection.

4.6.4 Water sampling equipment deployed during the monitoring programme was decontaminated by manual washing and rinsed with clean distilled water after each sampling location.

4.6.5 All sampling bottles were labelled with the sample ID (including the indication of sampling station), laboratory number and sampling date. Water samples were dispatched to the testing laboratory for analysis as soon as possible after the sampling. All samples were stored in a cool box and kept at less than 4 °C but without frozen. All water samples were handled under chain of custody protocols and relinquished to the laboratory representatives at locations specified by the laboratory. The laboratory determination works started within 24 hours after collection of water samples.

Laboratory Analytical Methods

4.6.6 Analysis of SS was carried out by a HOKLAS accredited laboratory (Acumen Laboratory and Testing Limited). At least two replicate samples from each independent sampling event were collected for the SS measurement. Sufficient water samples (about 3,000 mL) were collected at the monitoring stations for carrying out the laboratory SS determination. The analytical method for suspended solids is presented in **Table 4.4**.

Table 4.4 Method for Laboratory Analysis for Water Samples

Parameters	Analytical Method	Detection Limit
Suspended Solid (SS)	APHA 2540D (1)	1 mg/L

Note:
(1) APHA American Public Health Association Standard Methods for the Examination of Water and Wastewater.

4.7 QA/QC Requirements

Decontamination Procedures

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

Sampling Management and Supervision

4.7.2 All sampling bottles were labelled with the sample ID numbers (including the sampling station), and sampling date. Water samples were dispatched to the testing laboratory for analysis as soon as possible. All the collected samples were stored in a cool box to keep the temperature less than 4 as possible after the sampling. All samples were stored in a cool box and kept at less than 4 °C but without frozen. All water samples were handled under chain of custody protocols and relinquished to the laboratory representatives at locations specified by the laboratory.

Quality Control Measures for Sample Testing

4.7.3 Quality control of laboratory analysis of water samples was performed by Acumen Laboratory and Testing Limited for every batch of 20 samples:

- A minimum of 1 laboratory method blank was analyzed;
- A minimum of 1 sample duplicate was analyzed; and
- A minimum of 1 sample matrix spike was analyzed.

4.8 Action and Limit Level for Water Quality Monitoring

4.8.1 The criteria of action and limit levels for water quality monitoring are defined in **Table 4.5**.

Table 4.5 Action and Limit Levels for Water Quality

Parameters	Action Level	Limit Level
DO in mg/L	< 5%-ile of baseline data	< 4 mg/L or < 1%-ile of baseline data
SS in mg/L	> 95%-ile of baseline data	> 99%-ile of baseline data
Turbidity in NTU	> 95%-ile of baseline data	> 99%-ile of baseline data
pH	Beyond the range 6.6 to 8.4	Beyond the range of 6.5 to 8.5

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

4.8.2 Based on the criteria listed in **Table 4.5**, the action and limit levels for water quality are determined in **Table 4.6**.

Table 4.6 Action and Limit Levels of Water Quality

Fresh Water System	Monitoring Station ID	Parameters	Action	Limit
TSW Main Channel and its tributaries	D2a	DO in mg/L	5.4	4 (1)
		SS in mg/L	14.0	15.6
		Turbidity in NTU	11.6	11.7
		pH	Less than 6.6 or greater than 8.4	Less than 6.5 or greater than 8.5
Tuen Mun River	D3	DO in mg/L	4.9	4 (2)
		SS in mg/L	59.4	67.4
		Turbidity in NTU	10.8	11.1
		pH	Less than 6.6 or greater than 8.4	Less than 6.5 or greater than 8.5
Upstream / Tributaries of Shan Pui River (4)	D5a	DO in mg/L	5.2	4 (3)
		SS in mg/L	27.5	264.3
		Turbidity in NTU	19.3	19.4
		pH	Less than 6.6 or greater than 8.4	Less than 6.5 or greater than 8.5
	D6a	DO in mg/L	6.9	4 (4)
		SS in mg/L	16.3	18.3
		Turbidity in NTU	14.8	14.9
		pH	Less than 6.6 or greater than 8.4	Less than 6.5 or greater than 8.5

Notes:
(1) The 1%-ile of baseline DO data at D2a is 5.4 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 D3 is 4.8 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 D5a is 5.1 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 D6a is 6.9 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.

4.9 Results and Observations

4.9.1 All water quality monitoring was conducted as scheduled in the reporting period. The water quality monitoring schedule for this reporting period is shown in **Appendix 1.4**. The monitoring results and graphical presentation of water quality monitoring at the monitoring stations are shown in **Appendix 4.2**.

4.9.2 All water quality monitoring was conducted as scheduled in the reporting period. No Action or Limit Level exceedance was recorded during impact water quality monitoring in the reporting period. Summary of exceedance records are shown in **Table 4.7**.

Table 4.7 Summary of Exceedance Records of Water Quality Monitoring in related to the works contracts in the reporting period

Parameter	No. of exceedances		Total No. exceedances	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		AL	LL	
Dissolved Oxygen	0	0	0	0	0	0	0	0	0
Turbidity	0	0	0	0	0	0	0	0	0
Suspended Solids	0	0	0	0	0	0	0	0	0
pH	0	0	0	0	0	0	0	0	0

4.10 Event and Action Plan

4.10.1 Should any non-compliance of the criteria occur, action in accordance with the Event and Action Plan in **Appendix 4.4** 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.

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 summarized amount of waste generated by the construction works in related to the works contracts in the reporting period is shown in **Table 5.1** respectively. The cumulative waste flow table of the Project was presented in in **Appendix 5.1**.

Table 5.1 Summary of Waste Generated by the Construction Works in related to the Works Contracts in the Reporting Period

Month	Total Quantity Generated	Actual Quantalities of Inert C&D Materials Generated Monthly					Actual Quantities of C&D Wastes Generated Monthly				
		Hard Rock and Lage Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Carboard Packing	Plastics	Chemical Waste	Others e.g., general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
November 2024 (1)	59.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.21
December 2024 (2)	11.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.65
January 2025	0.26	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.04

Notes:
(1) As the amount of Others e.g., general refuse generated by Contract 1 in November 2024 has been updated, the total quantity of waste generated by Contract 1 and Contract 2 in November 2024 has been updated accordingly.
(2) As the amount of Others e.g., general refuse generated by Contract 1 and Contract 2 in December 2024 have been updated, the total quantity of waste generated by Contract 1 and Contract 2 in December 2024 have been updated accordingly.

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 Updated EM&A Manual (Apr 2022) and waste management plans will be fully implemented.

6 Ecology

6.1 Audit Requirements

6.1.1 With reference to the approved EIA Report, all sites of conservation importance are either located outside the proposed development area or retained in situ under the "Green Belt" ("GB") zoning, except a small strip of "CA" comprising of 0.1 ha would be affected under the construction of slip road under DP12.Mitigation measures recommended in the EIA Report as the audit requirements including, preservation of existing bat species, installation of decorative screen hoarding and management of construction activities and facilities are summarized in **Appendix 1.3**.

6.2 Results and Observations

6.2.1 As the reporting period does not fall in the breeding season (i.e. between March and August) of the ardeids, no site inspection on ecological impact was carried out at Sites 3-32, 3-33, 3-37, 3-39 and 3-40.

6.2.2 During the reporting period, bat roost survey for precautionary check were carried out for the works contracts. In the reporting period, bat roost survey for Contract 2 was carried out on 10 and 24 January 2025. The details of the bat roost survey at Contract 2 during the reporting period are summarized in **Table 6.1**.

Table 6.1 Schedule for Bat Roost Survey at Contract 2 during the Reporting Period

Survey Date	Findings observed during the survey
10-Jan-25	No bat roost was identified.
24-Jan-25	No bat roost was identified.

6.2.3 The schedule of the upcoming bat roost survey at Contract 2 in the next reporting period are summarized in **Table 6.2**.

Table 6.2 Upcoming Schedule for Bat Roost Survey at Contract 2 in the Next Reporting Period

	Survey Date (1)
1st Survey	5-Feb-25
2nd Survey	17-Feb-25

Notes:
(1) The schedule may be updated depends on tell-felling progress or adverse weather condition.

7 Landscape and Visual

7.1 Audit Requirements

7.1.1 According to the Updated EM&A Manual (Apr 2022), site audits should be undertaken at least once every two weeks during the construction period, by a Registered Landscape Architect (RLA). Particularly, 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 Bi-weekly landscape and visual site audits at Contract 1 were carried out by a Registered Landscape Architect (RLA) on 6, 15 and 27 January 2025. Bi-weekly landscape and visual site audits at Contract 2 were carried out by a Registered Landscape Architect (RLA) on 6, 16 and 27 January 2025. No particular observation was recorded in this reporting period.

7.3 Event and Action Plan

7.3.1 Should any non-compliance of the criteria occur, action in accordance with the Event and Action Plan in **Appendix 7.1** shall be followed.

8 Environmental Site Inspection and Audit

8.1 Implementation Status of Environmental Mitigation Measures

8.1.1 Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, site inspections at Contract 1 were carried out on 3, 10, 15, 24 and 27 January 2025. Site inspections at Contract 2 were carried out on 3, 10, 16, 24 and 27 January 2025.

8.1.2 Environmental deficiencies were observed during weekly site inspection. Key observations during the site inspections at Contract 1 and during the reporting period are summarized in **Table 8.1**.

Table 8.1 Site Observations at Contract 1 during the reporting period

Date	Kay Observations/ Reminders	Follow-up Action
3 January 2025	No major environmental deficiency was observed during the site inspection.	Nil
10 January 2025	Observation: 1. Water spraying should be regularly provided on haul road. 2. Dusty materials should be properly covered.	Rectified Measure(s) for Observation: 1. Water spraying had been regularly provided on haul road. 2. Dusty materials had been properly covered.
15 January 2025	Reminder: 1. The NRMM label should be replaced with a proper one. Observation: 1. Stockpile of over 20 bags of cement should be covered by impervious sheeting.	Rectified Measure(s) for Observation: 1. Stockpile of over 20 bags of cement had been covered by impervious sheeting.
24 January 2025	No major environmental deficiency was observed during the site inspection.	Nil
27 January 2025	Reminder: 1. Water spraying should be regularly provided on haul road for dust suppression.	Nil

8.1.3 Environmental deficiencies were observed during weekly site inspection. Key observations during the site inspections at Contract 2 and during the reporting period are summarized in **Table 8.2**.

Table 8.2 Site Observations at Contract 2 during the reporting period

Date	Kay Observations/ Reminders	Follow-up Action
3 January 2025	No major environmental deficiency was observed during the site inspection.	Nil
10 January 2025	Reminder: 1. Water spraying should be regularly provided. Observation: 1. Dusty materials should be properly covered.	Rectified Measure(s) for Observation: 1. Dusty materials had been properly covered.
16 January 2025	Reminder: 1. Water spraying should be regularly provided on haul road.	Nil
24 January 2025	No major environmental deficiency was observed during the site inspection.	Nil

27 January 2025	No major environmental deficiency was observed during the site inspection.	Nil

8.1.4 According to the EIA Study Report, Environmental Permit, contract documents and Updated EM&A Manual (Apr 2022), 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**.

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

9.1 Summary of Exceedance

9.1.1 No Action Level or Limit Level exceedance was recorded for air quality monitoring in the reporting period.

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

9.1.3 All water quality monitoring was conducted as scheduled in the reporting period. No Action or Limit Level exceedance was recorded during impact water quality monitoring in the reporting period.

9.2 Summary of Environmental Non-Compliance

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

9.3 Summary of Environmental Complaint

9.3.1 No environmental complaint was received in the reporting period. The Cumulative Complaint Log is presented in **Appendix 9.1**.

9.4 Summary of Environmental Summon and Successful Prosecution

9.4.1 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 9.1**.

10 Future Key Issues

10.1 Works and Potential Environmental Issues in the next Reporting Period

10.1.1 The Impact Monitoring Schedule for the Project for the next reporting period is presented in **Appendix 10.1**.

10.1.2 Works to be undertaken in the next reporting period are summarized below, and in **Figure 1.2 and Figure 1.3** respectively:

Contract 1

- Caring Visit;
- Tree Survey;
- Site Appraisal;
- Underground Utility Detection;
- Ground Investigation Works;
- Realign of Bar Fencing;
- Demolition Works;
- Utilities Laying Works;
- Construction of CLC Footing;
- Demolition of Existing Height Restriction Gantry and Footing at Part T.

Contract 2

- Tree Felling;
- Ground Investigation Works;
- Tree Transplant;
- Earthworks;
- Piezometer / Standpipe Installation;
- Site Clearance and Tree Felling at part E;
- Site Office Setup;
- Preparation of TTA for pipe laying;
- Pipe laying.

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

10.2 Recommendation

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

Dust

- Regular watering to reduce dust emissions from exposed site surface;
- Stockpile of dusty materials shall be covered entirely by impervious sheeting;
- Provide vehicles washing facilities at all site exits to wash away any dusty materials from vehicle body;
- NRMM Labels should be displayed on the applicable equipment on site by the Contractor;
- Provision of water sprinklers along the haul road for dust suppression.

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.

Landscape and Visual

- Construction activities shall be carefully designed to minimize impact on existing retained trees

10.2.2 The tentative schedule of regular air quality, construction noise and water quality monitoring in the next reporting period is presented in **Appendix 10.1**. The regular impact air quality, noise and water quality monitoring will be conducted at the same monitoring locations in the next reporting period.

11 Conclusions

11.1 Conclusion

11.1.1 This 3rd Monthly EM&A Report presents the EM&A works at Contract 1 and Contract 2 under the Project during the reporting period from 1 to 31 January 2025 in accordance with the Updated EM&A Manual (Apr 2022).

11.1.2 No Action Level or Limit Level exceedance was recorded for air quality monitoring in the reporting period.

11.1.3 All water quality monitoring was conducted as scheduled in the reporting period. No Action or Limit Level exceedance was recorded during impact water quality monitoring in the reporting period.

11.1.4 Environmental site inspections were conducted at Contract 1 on 3, 10, 15, 24 and 27 January 2025. Environmental site inspections were conducted at Contract 2 out on 3, 10, 16, 24 and 27 January 2025.

11.1.5 No environmental complaint was received in the reporting period.

11.1.6 No notification of summons and prosecution was received in the reporting period.

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

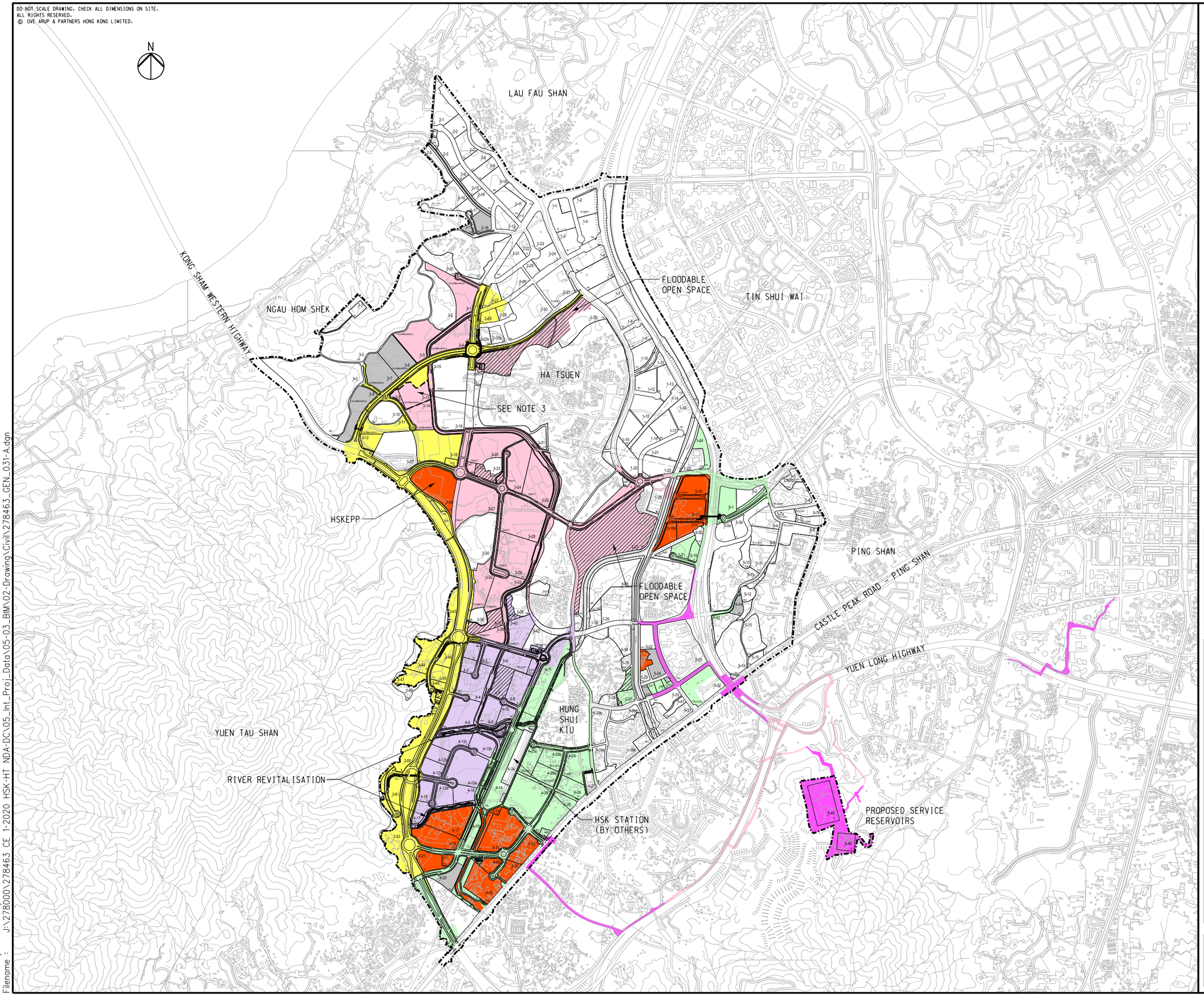
11.1.8 No change to the EM&A programme was made in this reporting period.

11.2 Comments/ Recommendations

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

Figures

Figure 1.1 General Site Location Plan



LEGEND

- CONTRACT PACKAGE 1
- CONTRACT PACKAGE 2
- CONTRACT PACKAGE 3
- CONTRACT PACKAGE 4
- CONTRACT PACKAGE 5
- CONTRACT PACKAGE 6
- STAGE 1 WORKS / ADVANCE WORKS PHASE 1 & 2 (BY OTHERS)
- OPEN SPACE WORKS / FLOODABLE OPEN SPACE WORKS UNDER CONTRACT PACKAGE 7

NOTES

1. EXTENT ARE INDICATIVE ONLY AND EXACT BOUNDARIES FOR EACH CONTRACT ARE SUBJECT TO REFINEMENT.
2. SITE FORMATION WORKS FOR SITE 4-19, SITE 4-35, ROAD L12 (PART), ROAD L13, ROAD L14, ROAD L15, ROAD D6 AND ROAD D8 TO BE IMPLEMENTED UNDER CONTRACT 1.
3. INTERIM DRAINAGE DETENTION POND IN SITE 3-13 TO BE IMPLEMENTED UNDER CONTRACT 5 AND THE ENTIRE SITE 3-13 WILL BE FORMED BY CONTRACT 6.

Rev	Description	By	Date
G	SEVENTH ISSUE	PY	09/24
F	SIXTH ISSUE	SL	08/24
E	FIFTH ISSUE	PY	07/24
D	FOURTH ISSUE	PY	06/24
C	THIRD ISSUE	PY	02/24
B	SECOND ISSUE	PY	01/24
A	FIRST ISSUE	PY	11/22

Consultant

ARUP

Project Title

Agreement No. CE 1/2020 (CE)
Hung Shui Kiu / Ha Tsuen
New Development Area Package A
Works for Second Phase Development
– Design and Construction

Drawing title

HSK / HT NDA
SECOND PHASE DEVELOPMENT
OVERALL INFRASTRUCTURE
LAYOUT PLAN

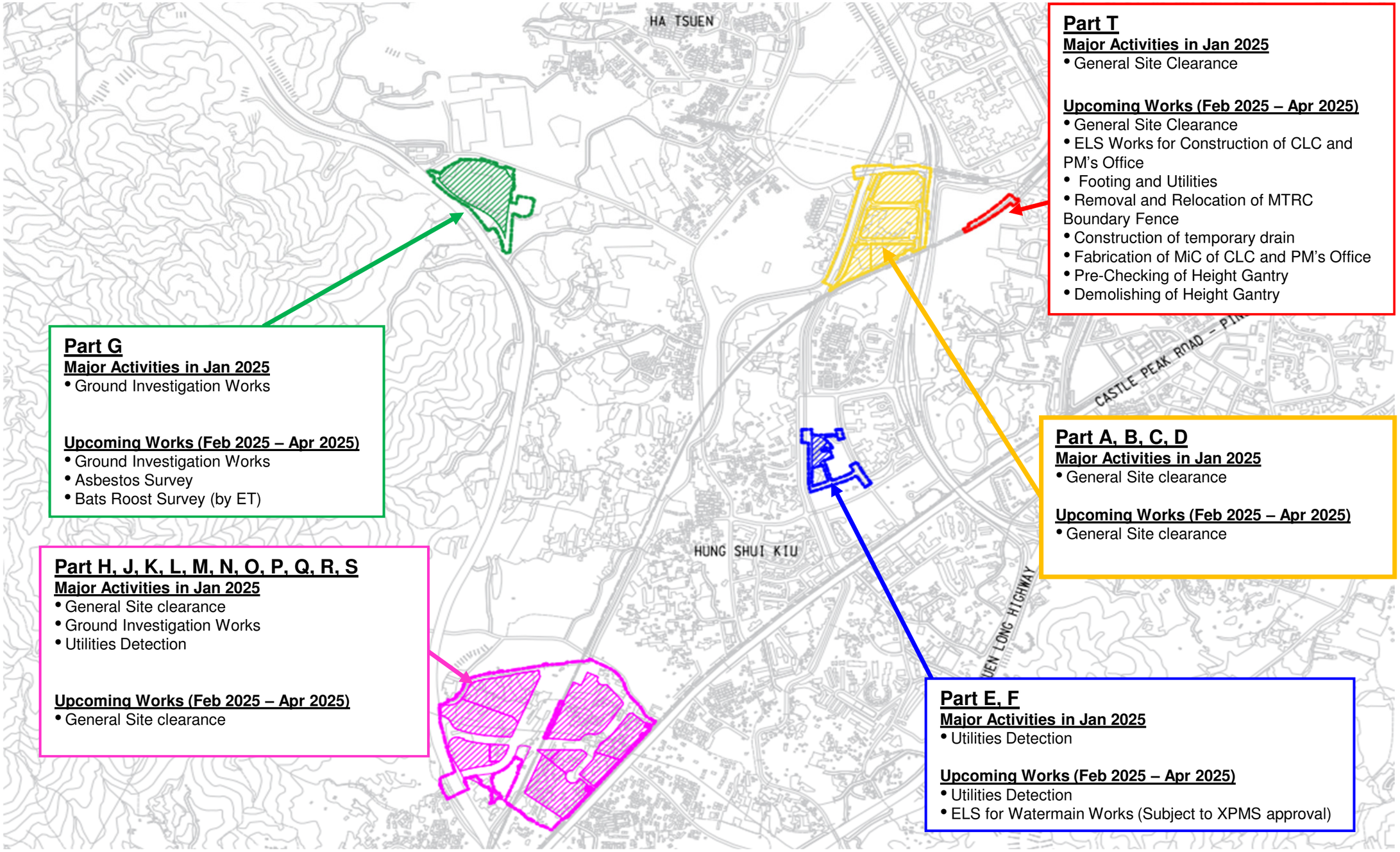
Drawing no.			Rev.
278463/GEN/031			G
Drawn: RY	Date: 11/22	Checked: KKC	Approved: DOP
Scale: 1:10000 @ A1		Status: PRELIMINARY	

土木工程拓展署
Civil Engineering and Development Department

Printed by : reman.yick Date : 9/10/2024
Filename : J:\278000\278463 CE 1-2020 HSK-HT NDA-DC\05_Int_Proj_Data\05-03_BIM\02-Drawing\Civil\278463_GEN_031-A.dgn

Figure 1.2 Annotated Site Drawing Presenting the Construction Activities Conducted at Contract 1 in the Reporting Period

Contract No. YL/2023/01
Hung Shui Kiu / Ha Tsuen New Development Area Second Phase Development – Contract 1 -
Site Formation and Engineering Infrastructure Works



Part T
Major Activities in Jan 2025
- General Site Clearance

Upcoming Works (Feb 2025 – Apr 2025)
- General Site Clearance
- ELS Works for Construction of CLC and PM's Office
- Footing and Utilities
- Removal and Relocation of MTRC Boundary Fence
- Construction of temporary drain
- Fabrication of MiC of CLC and PM's Office
- Pre-Checking of Height Gantry
- Demolishing of Height Gantry

Part G
Major Activities in Jan 2025
- Ground Investigation Works

Upcoming Works (Feb 2025 – Apr 2025)
- Ground Investigation Works
- Asbestos Survey
- Bats Roost Survey (by ET)

Part A, B, C, D
Major Activities in Jan 2025
- General Site clearance

Upcoming Works (Feb 2025 – Apr 2025)
- General Site clearance

Part H, J, K, L, M, N, O, P, Q, R, S
Major Activities in Jan 2025
- General Site clearance
- Ground Investigation Works
- Utilities Detection

Upcoming Works (Feb 2025 – Apr 2025)
- General Site clearance

Part E, F
Major Activities in Jan 2025
- Utilities Detection

Upcoming Works (Feb 2025 – Apr 2025)
- Utilities Detection
- ELS for Watermain Works (Subject to XPMS approval)

Figure 1.3 Annotated Site Drawing Presenting the Construction Activities Conducted at Contract 2 in the Reporting Period

N

816000 E
818000 E
820000 E
836000 N
834000 N
832000 N

LAU FAU SHAN
TIN SHUI WAI
NGAU HOM SHEK
KONG SHAM WESTERN HIGHWAY
HA TSUEN
PING SHAN
CASTLE PEAK ROAD - PING SHAN
YUEN TAU SHAN
HUNG SHUI KIU

Handover-ed Site area are highlighted in Pink

Construction activities undertaken in February 2025 - April 2025

•General Site Clearance
•Tree Felling
•Ground Investigation
•Site Office Setup

SHEET 16
SHEET 11
SHEET 10
SHEET 8
SHEET 9
SHEET 7
SHEET 1
SHEET 2
INSET A (SEE SHEET 2)

Tentative Handover Date: 7 Jul 2026

Construction activities undertaken in February 2025 - April 2025

•Tree Felling
•Earthworks
•Piezometer / Standpipe Installation
•Ground Investigation

SHEET 6
SHEET 3
SHEET 4

Tentative Handover Date: 6 Nov 2025

SHEET 15
SHEET 14
SHEET 13
SHEET 12

Construction activities undertaken in February 2025 - April 2025

•Preparation of TTA for pipe laying
•Pipe laying

Construction activities undertaken in January 2025

•Tree Felling
•Earthworks
•Piezometer / Standpipe Installation
•Ground Investigation

0 100 200 300 400 500
METRES
1 : 10000

LEGEND

BOUNDARIES OF THE SITE

Rev	Description	By	Date
00	TENDER ISSUE	DT	08/23

Consultant

ARUP

Project Title

Contract No. YL/2023/02
Hung Shui Kiu/Ha Tsuen
New Development Area
Second Phase Development - Contract 2 -
Fresh Water Service Reservoir and
Associated Mainlaying Works

Drawing title

OVERALL LAYOUT PLAN

Drawing no.			Rev.
282748/C2/GEN/1100			00
Drawn: MAN	Date: 05/23	Checked	Approved
Scale: 1:10000 @ A1		Status: TENDER	

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

Printed by : reman.yick Date : 9/26/2023
File name : J:\282000\282748-00 CE 71-2020 HSK-HT NDA-DC Package B\05_Int_Proj_Data\05_89_Drafting\02-Drawing\Civil\282748_C2_GEN_1100.dgn

Figure 2.1 Impact Air Quality Monitoring Locations

N

LAU FAU SHAN

AM20 AM19 AM18 AM21 AM17

FLOODABLE OPEN SPACE

TIN SHUI WAI

KONG SHAM WESTERN HIGHWAY

NGAU HOM SHEK

AM23 AM15 AM16

HA TSUEN

AM14

E NOTE 3

AM24 AM25a AM13 AM8a AM12 AM11

HSKEPP

AM9 AM10

PING SHAN

AM7

FLOODABLE OPEN SPACE

CASTLE PEAK ROAD – PING SHAN

AM6

YUEN LONG HIGHWAY

HUNG SHUI KIU

YUEN TAU SHAN

AM5

RIVER REVITALISATION

AM4

HSK STATION (BY OTHERS)

PROPOSED SERVICE RESERVOIRS

AM3 AM22 AM2 AM1

Legends:

- Contract 1
- Contract 2
- Contract 3
- Contract 4
- Contract 5
- Contract 6
- Stage 1 Works / Advance Works Phase 1&2 (By others)

Note:
The Layout of Contract 7 is subject to review and is not shown in this drawing

- Designated Monitoring Location
- Alternative Monitoring Location

No.	Revision/Issue	Date

Project Name:
WD/03/2023 Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development - Environmental Team

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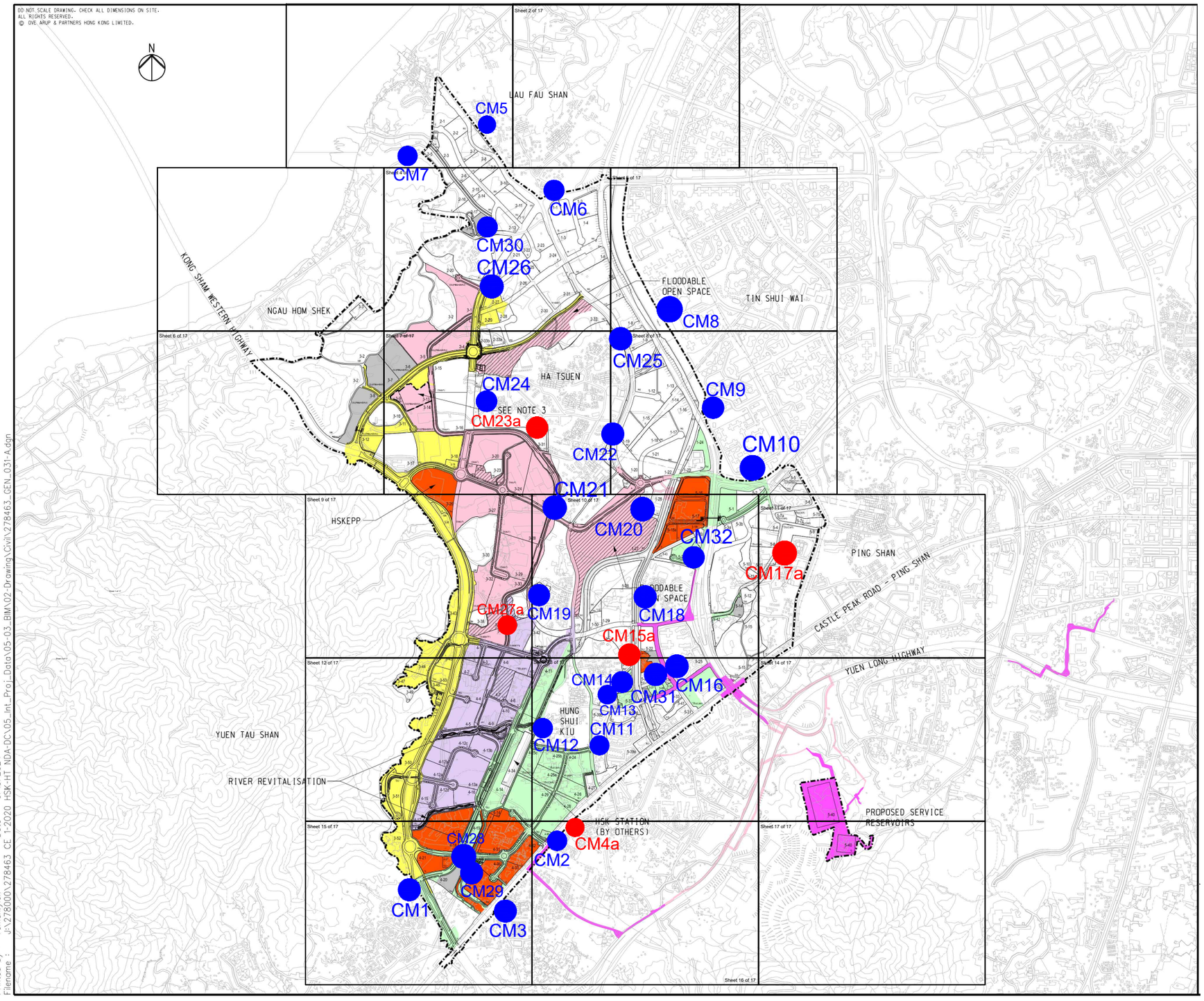
Drawing Title:
Layout Plan of Air Quality Monitoring Locations (Overall)

Date:
30 July 2024

Scale:
Not to Scale

Printed by : reman.yick Date : 9/10/2024
Filename : J:\278000\278463_CE 1-2020 HSK-HT NDA-DC\05_Int_Proj_Data\05-03_BIM\02-Drawing\Civil\278463_GEN_031-A.dgn

Figure 3.1 Impact Noise Monitoring Locations



Legends:

- Contract 1
- Contract 2
- Contract 3
- Contract 4
- Contract 5
- Contract 6
- Stage 1 Works / Advance Works Phase 1&2 (By others)

Note:
The Layout of Contract 7 is subject to review and is not shown in this drawing

- Designated Monitoring Location
- Proposed Alternative Monitoring Location

No.	Revision/Issue	Date

Project Name:
WD/03/2023 Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development - Environmental Team

aurecon
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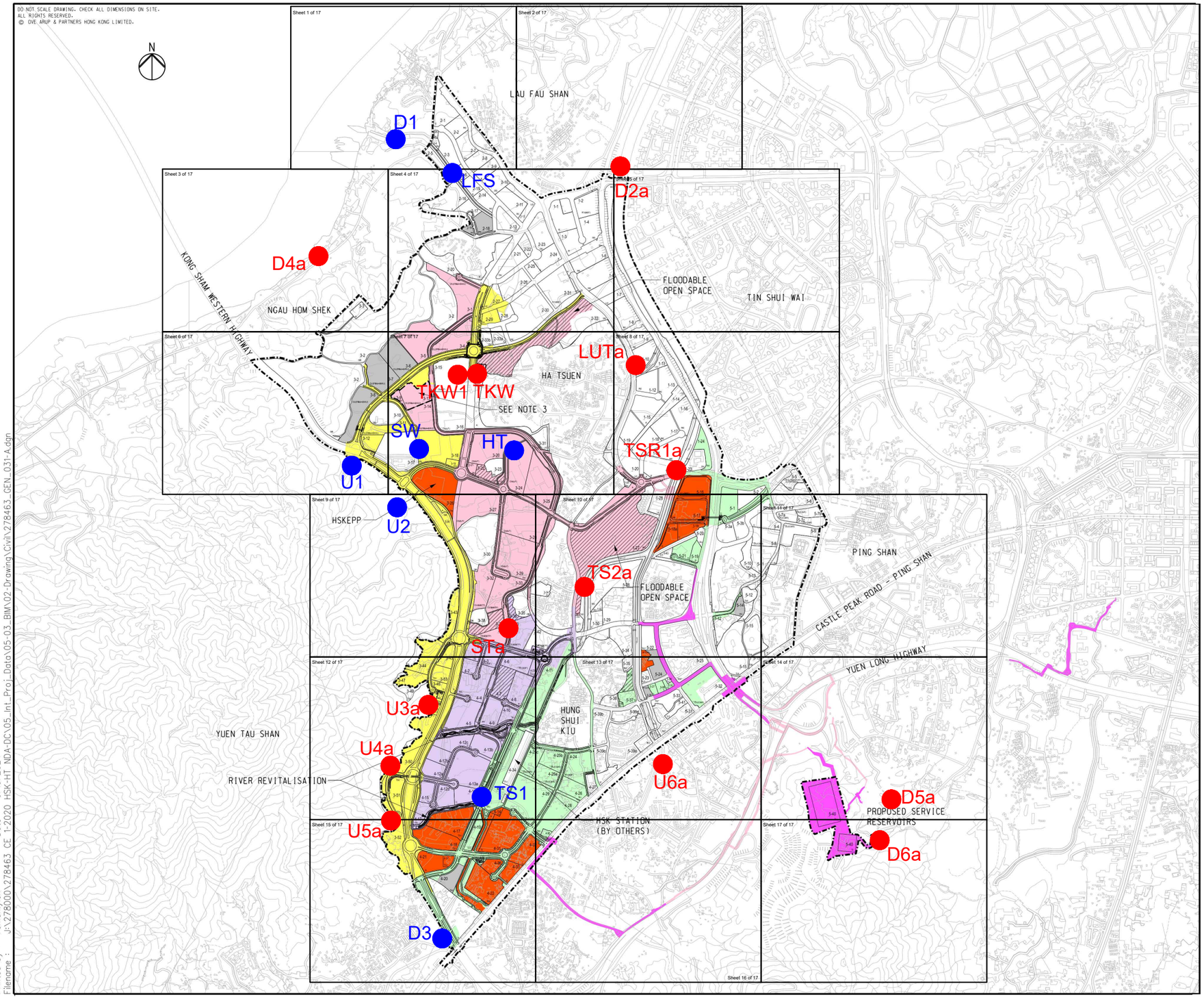
Drawing Title:
Layout Plan of Noise Monitoring Locations

Date:
30 July 2024

Scale:
Not to Scale

Printed by : remon.yick Date : 9/10/2024
Filename : J:\278000\278463_CE 1-2020 HSK-HT NDA-DC\05_Int_Proj_Data\05-03_BIM\02-Drawing\Civil\278463_GEN_031-A.dgn

Figure 4.1 Impact Water Quality Monitoring Locations



Printed by : reman.yick Date : 9/10/2024
Filename : J:\278000\278463_CE 1-2020 HSK-HT NDA-DC\05_Int_Proj_Data\05-03_BIM\02-Drawing\Civil\278463_GEN_031-A.dgn

Legends:

- Contract 1
- Contract 2
- Contract 3
- Contract 4
- Contract 5
- Contract 6
- Stage 1 Works / Advance Works Phase 1&2 (By others)

Note:
The Layout of Contract 7 is subject to review and is not shown in this drawing

- Designated Monitoring Locations
- Proposed Alternative Monitoring Locations

No.	Revision/Issue	Date

Project Name:
WD/03/2023 Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development - Environmental Team

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Drawing Title:
Layout Plan of Water Quality Monitoring Locations (Overall)

Date:
30 July 2024

Scale:
Not to Scale

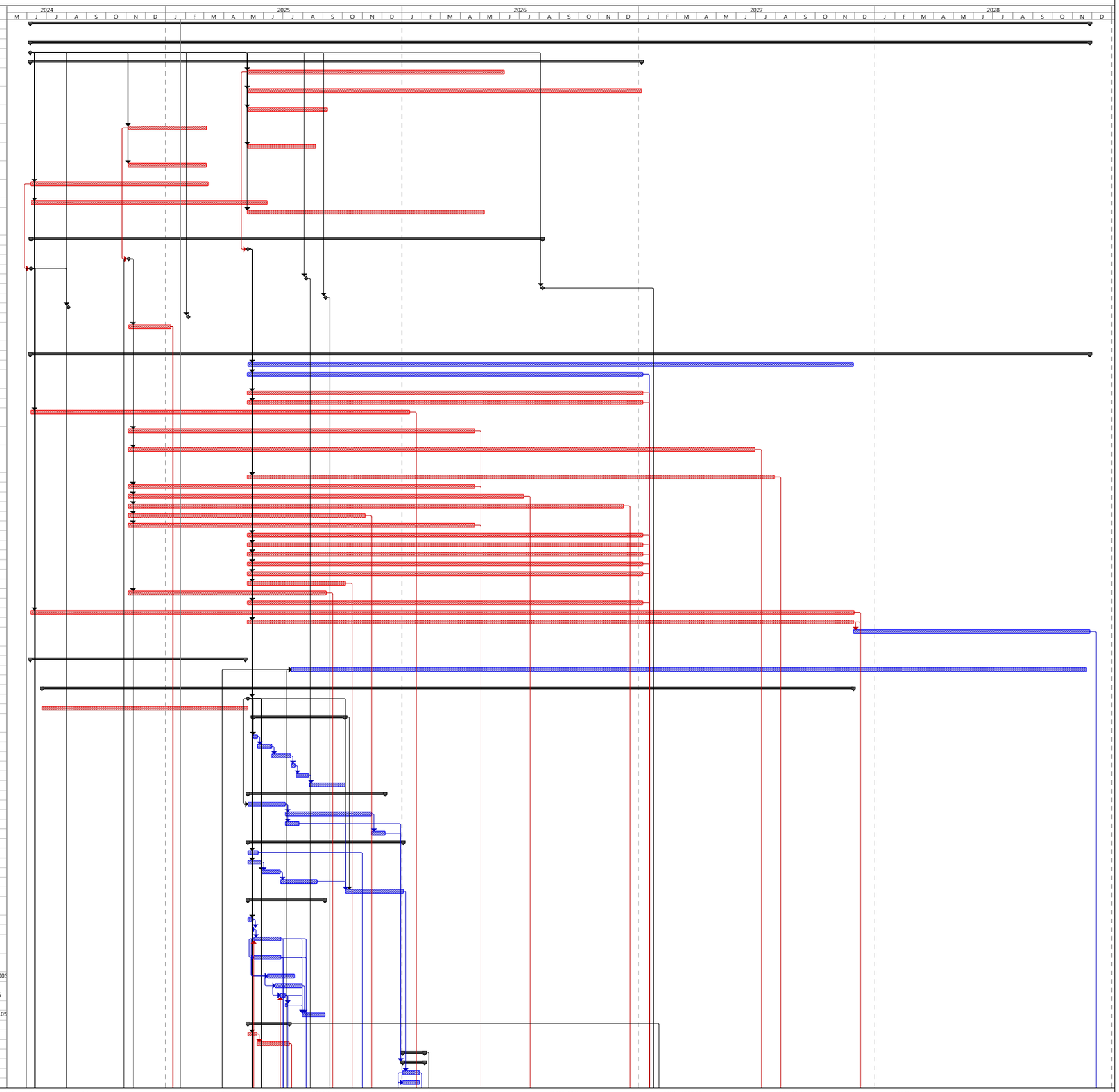
Appendices

Appendix 1.1 Construction Programme

Construction Programme for Contract 1

Contract No. YL/2023/01
Hung Shui Kiu / Ha Tsuen New Development Area
Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works
Programme for the Works (Data Date : 05 Jan 2025)

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
1	**Project Programme of Works**	**1346 days**	**06/06/2024**	**27/11/2028**	**06/06/2024**	**27/11/2028**	**0 days**	
2								
3	**1. Commencement of the works**	**1346 days**	**06/06/2024**	**27/11/2028**	**06/06/2024**	**27/11/2028**	**0 days**	
4	**1.1 Date of commencement (Starting Date : 06 Jun 2024)**	**0 days**	**06/06/2024**	**06/06/2024**	**06/06/2024**	**06/06/2024**	**0 days**	
5	**1.2 Key Dates**	**771 days**	**06/06/2024**	**05/01/2027**	**06/06/2024**	**05/01/2027**	**0 days**	
6	KD1 - completion construction of drainage works under Road L7 and its connection to TSW main channel and demolition of existing box culverts	326 days	07/05/2025	07/06/2026	07/05/2025	07/06/2026	0 days	4FS+271 days
7	KD2 - complete the site clearance, land decontamination, site formation works and up to the road works for FB13 by others	500 days	07/05/2025	05/01/2027	07/05/2025	05/01/2027	0 days	4FS+271 days
8	KD3 - complete GI works for drillholes and trial pits incl. Lab testing and report in Drawings GEO/1122, 1123, 1124	105 days	07/05/2025	07/09/2025	07/05/2025	07/09/2025	0 days	4FS+271 days
9	KD4 - complete GI works for drillholes and trial pits incl. Lab testing and report in Drawings GEO/1121, 1123, 1124	98 days	04/11/2024	04/03/2025	04/11/2024	04/03/2025	0 days	4FS+124 days
10	KD5 - complete GI works for drillholes and trial pits incl. Lab testing and report in Drawings DCS/GI/201	89 days	07/05/2025	20/08/2025	07/05/2025	20/08/2025	0 days	4FS+271 days
11	KD6 - complete GI works for drillholes and trial pits incl. Lab testing and report in Drawings DCS/GI/201	98 days	04/11/2024	04/03/2025	04/11/2024	04/03/2025	0 days	4FS+124 days
12	KD7 - complete and commissioning of the relocated CLC building and the connecting corridor to new CLC building	225 days	06/06/2024	07/03/2025	06/06/2024	07/03/2025	0 days	4
13	KD7A - complete and commissioning of the remaining CLC compound	296 days	07/06/2024	06/06/2025	07/06/2024	06/06/2025	0 days	4FS+1 day
14	KD8 - complete all necessary works to facilitate utilities undertakers to carry out utility laying works along Advance Utility Laying Works corridors identified in C1/ELE/series and TEL/series Drawings	299 days	07/05/2025	07/05/2026	07/05/2025	07/05/2026	0 days	4FS+271 days
15	**1.3 Contract Site Access Dates**	**645 days**	**06/06/2024**	**05/08/2026**	**06/06/2024**	**05/08/2026**	**0 days**	
16	Part A, B, C, D, G1C, G2, H2, L2, M, N, O, P, Q, S1, S2, S3, S4	0 days	07/05/2025	07/05/2025	07/05/2025	07/05/2025	0 days	6SS
17	Part E1, G1A, G1B, G3, G4, H1, H3, J, K1, K2, L1, L3, L4, L5, R1, R2, R3,	0 days	04/11/2024	04/11/2024	04/11/2024	04/11/2024	0 days	9SS
18	Part E2A, E3, E4, F, T	0 days	06/06/2024	06/06/2024	06/06/2024	06/06/2024	0 days	12SS
19	Part E2B	0 days	05/08/2025	05/08/2025	05/08/2025	05/08/2025	0 days	4FS+347 days
20	Part G5	0 days	05/08/2026	05/08/2026	05/08/2026	05/08/2026	0 days	4FS+646 days
21	Part S5	0 days	04/09/2025	04/09/2025	04/09/2025	04/09/2025	0 days	4FS+373 days
22	Incentive Scheme Date (60 days after starting date)	0 days	03/08/2024	03/08/2024	03/08/2024	03/08/2024	0 days	4FS+49 days
23	Incentive Scheme Date (60 days after starting date)	0 days	04/02/2025	04/02/2025	04/02/2025	04/02/2025	0 days	4FS+198 days
24	Delayed Site Possession Date of Part E1, G1A, G1B, G3, G4, H1, H3, J, K1, K2, L1, L3, L4, L5, R1, R2, R3 - ongoing effect	53 days	05/11/2024	08/01/2025	31/08/2024	04/11/2024	-53 days	17
25								
26	**1.4 Sectional Completion of the works**	**1346 days**	**06/06/2024**	**27/11/2028**	**06/06/2024**	**27/11/2028**	**0 days**	
27	Section 1 - All works within Part A of the Site	767 days	08/05/2025	28/11/2027	08/05/2025	28/11/2027	0 days	16
28	Section 2 - All works within Part B of the Site and complete the drainage diversion for demolition of existing BC within Part B of the Site	502 days	07/05/2025	07/01/2027	07/05/2025	07/01/2027	0 days	16FS-1 day
29	Section 3 - All works within Part C of the Site	502 days	07/05/2025	07/01/2027	07/05/2025	07/01/2027	0 days	16FS-1 day
30	Section 4 - All works within Part D of the Site	502 days	07/05/2025	07/01/2027	07/05/2025	07/01/2027	0 days	16FS-1 day
31	Section 5 - All works within Part E1, E2A, E2B, E3, E4 and F of the Site and complete the relocation of existing CLC	479 days	06/06/2024	12/01/2026	06/06/2024	12/01/2026	0 days	4FS-2 days
32	Section 6 - All works within Part G1A of the Site and complete the drainage diversion for the backfilling of existing channel / stream within G1A of the Site	435 days	04/11/2024	22/04/2026	04/11/2024	22/04/2026	0 days	17FS-1 day
33	Section 7 - All works within Part G1B and G1C of the Site and complete the drainage diversion for the backfilling of existing channel / stream within G1B and G1C of the Site	788 days	04/11/2024	29/06/2027	04/11/2024	29/06/2027	0 days	17FS-1 day
34	Section 8 - All works within Part G2, G3 and G5 of the Site	666 days	07/05/2025	29/07/2027	07/05/2025	29/07/2027	0 days	16FS-1 day
35	Section 9 - All works within Part G4 of the Site	435 days	04/11/2024	22/04/2026	04/11/2024	22/04/2026	0 days	17FS-1 day
36	Section 10 - All works within Part H1 and H2 of the Site	497 days	04/11/2024	07/07/2026	04/11/2024	07/07/2026	0 days	17FS-1 day
37	Section 11 - All works within Part J of the Site	626 days	04/11/2024	08/12/2026	04/11/2024	08/12/2026	0 days	17FS-1 day
38	Section 12 - All works within Part K1 of the Site	299 days	04/11/2024	04/11/2025	04/11/2024	04/11/2025	0 days	17FS-1 day
39	Section 13 - All works within Part L1 of the Site	435 days	04/11/2024	22/04/2026	04/11/2024	22/04/2026	0 days	17FS-1 day
40	Section 14 - All works within Part M and R2 of the Site	502 days	07/05/2025	07/01/2027	07/05/2025	07/01/2027	0 days	16FS-1 day
41	Section 15 - All works within Part N of the Site	502 days	07/05/2025	07/01/2027	07/05/2025	07/01/2027	0 days	16FS-1 day
42	Section 16 - All works within Part O and R3 of the Site	502 days	07/05/2025	07/01/2027	07/05/2025	07/01/2027	0 days	16FS-1 day
43	Section 17 - All works within Part P of the Site	502 days	07/05/2025	07/01/2027	07/05/2025	07/01/2027	0 days	16FS-1 day
44	Section 18 - All works within Part Q and L4 of the Site	502 days	07/05/2025	07/01/2027	07/05/2025	07/01/2027	0 days	16FS-1 day
45	Section 19 - All works within Part S3 of the Site	128 days	07/05/2025	05/10/2025	07/05/2025	05/10/2025	0 days	16FS-1 day
46	Section 20 - All works within Part L5 and S4 of the Site	250 days	04/11/2024	05/09/2025	04/11/2024	05/09/2025	0 days	17FS-1 day
47	Section 21 - All works within Part H3, R1, K2, L2, L3, S1, S2 and S5 of the Site	502 days	07/05/2025	07/01/2027	07/05/2025	07/01/2027	0 days	16FS-1 day
48	Section 22 - All works related to the CLC within the Part T of the Site	1040 days	06/06/2024	29/11/2027	06/06/2024	29/11/2027	0 days	4FS-1 day
49	Section 23 - All of the landscape works specified in the contract	768 days	07/05/2025	28/11/2027	07/05/2025	28/11/2027	0 days	16FS-1 day
50	Section 24 - the establishment works of all of the landscape softworks under Section 23 of the works	307 days	29/11/2027	27/11/2028	29/11/2027	27/11/2028	0 days	49
51								
52	**2. Preliminary works**	**270 days**	**06/06/2024**	**03/05/2025**	**06/06/2024**	**03/05/2025**	**0 days**	
74	Geotechnical Instrumentation and monitoring	1015 days	14/07/2025	22/11/2028	18/07/2025	27/11/2028	4 days	492SS,500SS
75								
76	**3. Section 1 of the works (Part A of the works) - 935D**	**1025 days**	**24/06/2024**	**28/11/2027**	**24/06/2024**	**28/11/2027**	**0 days**	
77	Site possession	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
78	Coordination/Liaison with nearby stakeholders by caring team visit	258 days	24/06/2024	07/05/2025	24/06/2024	07/05/2025	0 days	69
79	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures/Demolition of ACM structures**	**120 days**	**16/05/2025**	**04/10/2025**	**24/05/2025**	**14/10/2025**	**7 days**	
80	Asbestos Inspection for clarification of ACM existence	6 days	16/05/2025	22/05/2025	24/05/2025	30/05/2025	7 days	77FS+7 days
81	Submission of asbestos material containing survey report	18 days	23/05/2025	13/06/2025	02/06/2025	21/06/2025	7 days	80
82	Notification to EPD for asbestos removal works	24 days	14/06/2025	12/07/2025	23/06/2025	21/07/2025	7 days	81
83	Approval from EPD for the removal works	6 days	14/07/2025	19/07/2025	22/07/2025	28/07/2025	7 days	82
84	Removal of asbestos material	18 days	21/07/2025	09/08/2025	29/07/2025	18/08/2025	7 days	83
85	Demolition and site clearance for asbestos containing structure	48 days	11/08/2025	04/10/2025	19/08/2025	14/10/2025	7 days	84
86	**Tree Survey, TPRP and Tree Felling**	**178 days**	**08/05/2025**	**05/12/2025**	**10/06/2025**	**09/01/2026**	**27 days**	
87	Tree survey and submission (for individual tree and tree group)	48 days	08/05/2025	04/07/2025	10/06/2025	05/08/2025	27 days	77SS
88	Submission of TPRP and approval (for tree group)	112 days	05/07/2025	14/11/2025	06/08/2025	16/12/2025	27 days	87
89	Tree felling (for individual trees)	18 days	05/07/2025	25/07/2025	22/09/2025	14/10/2025	68 days	87
90	Tree felling (for tree group)	18 days	15/11/2025	05/12/2025	17/12/2025	09/01/2026	27 days	88
91	**UU Detection / Liaison / Decommission and Site Clearance**	**199 days**	**08/05/2025**	**02/01/2026**	**30/06/2025**	**10/01/2026**	**44 days**	
92	Construction of temporary site entrance	14 days	08/05/2025	23/05/2025	26/09/2025	14/10/2025	120 days	77
93	UU Detection on Site	18 days	08/05/2025	28/05/2025	30/06/2025	21/07/2025	44 days	77
94	Liaison with UU for decommissioning	24 days	29/05/2025	26/06/2025	22/07/2025	18/08/2025	44 days	77,93
95	decommissioning of existing services by UU/Contractor	48 days	27/06/2025	22/08/2025	19/08/2025	14/10/2025	44 days	94
96	General site clearance / demolition work (No ACM structure)	72 days	06/10/2025	02/01/2026	15/10/2025	10/01/2026	7 days	77,79,89,92,95
97	**Ground Investigation (14 nos. BH) and Lab. Testing/reporting - (KD3 : 07 Sep 2025)**	**100 days**	**08/05/2025**	**03/09/2025**	**13/05/2025**	**07/09/2025**	**4 days**	
98	Forming site access for GI works	7 days	08/05/2025	15/05/2025	13/05/2025	20/05/2025	4 days	77,57
99	Establishment Works for drilling rigs	1 day	16/05/2025	16/05/2025	21/05/2025	21/05/2025	4 days	98
100	Site Works 7 Nos(GI plant No.1 - assume 5 days works including mobilization for 1 holes) -	35 days	17/05/2025	27/06/2025	22/05/2025	03/07/2025	4 days	99,592
101	Site Works 7 Nos(GI plant No.2 - assume 5 days works including mobilization for 1 holes) -	35 days	17/05/2025	27/06/2025	22/05/2025	03/07/2025	4 days	100SS
102	Issuance of preliminary log	35 days	07/06/2025	18/07/2025	12/06/2025	23/07/2025	4 days	101SS+17 days,100S
103	Engineer instruction for testing	35 days	19/06/2025	30/07/2025	24/06/2025	04/08/2025	4 days	102SS+10 days
104	Trial Pit Team A - assume 9 days for 1 pit excluding backfilling	6 days	27/06/2025	04/07/2025	19/07/2025	25/07/2025	18 days	103SS+7 days,595
105	Backfilling of trial pit (compaction verified by probing)	2 days	05/07/2025	07/07/2025	02/08/2025	04/08/2025	24 days	104
106	Lab testing and reporting	30 days	31/07/2025	03/09/2025	05/08/2025	07/09/2025	4 days	100,101,103,104,105
107	**Land Contamination Assessment / Treatment**	**53 days**	**08/05/2025**	**10/07/2025**	**08/05/2025**	**10/07/2025**	**0 days**	
108	site appraisal	12 days	08/05/2025	21/05/2025	08/05/2025	21/05/2025	0 days	58,77
109	submission / approval (assumed no contamination)	41 days	22/05/2025	10/07/2025	22/05/2025	10/07/2025	0 days	108
110	**Construction of Box culvert**	**29 days**	**02/01/2026**	**04/02/2026**	**10/01/2026**	**04/02/2026**	**7 days**	
111	Phase 1 - along Road L8 - Bay 3 - 22 : 2 workfronts	29 days	02/01/2026	04/02/2026	10/01/2026	04/02/2026	7 days	89,90
112	Bay 3 & 4	22 days	02/01/2026	27/01/2026	10/01/2026	04/02/2026	7 days	96FS-1 day
113	Bay 5 & 6	22 days	02/01/2026	27/01/2026	10/01/2026	04/02/2026	7 days	112SS

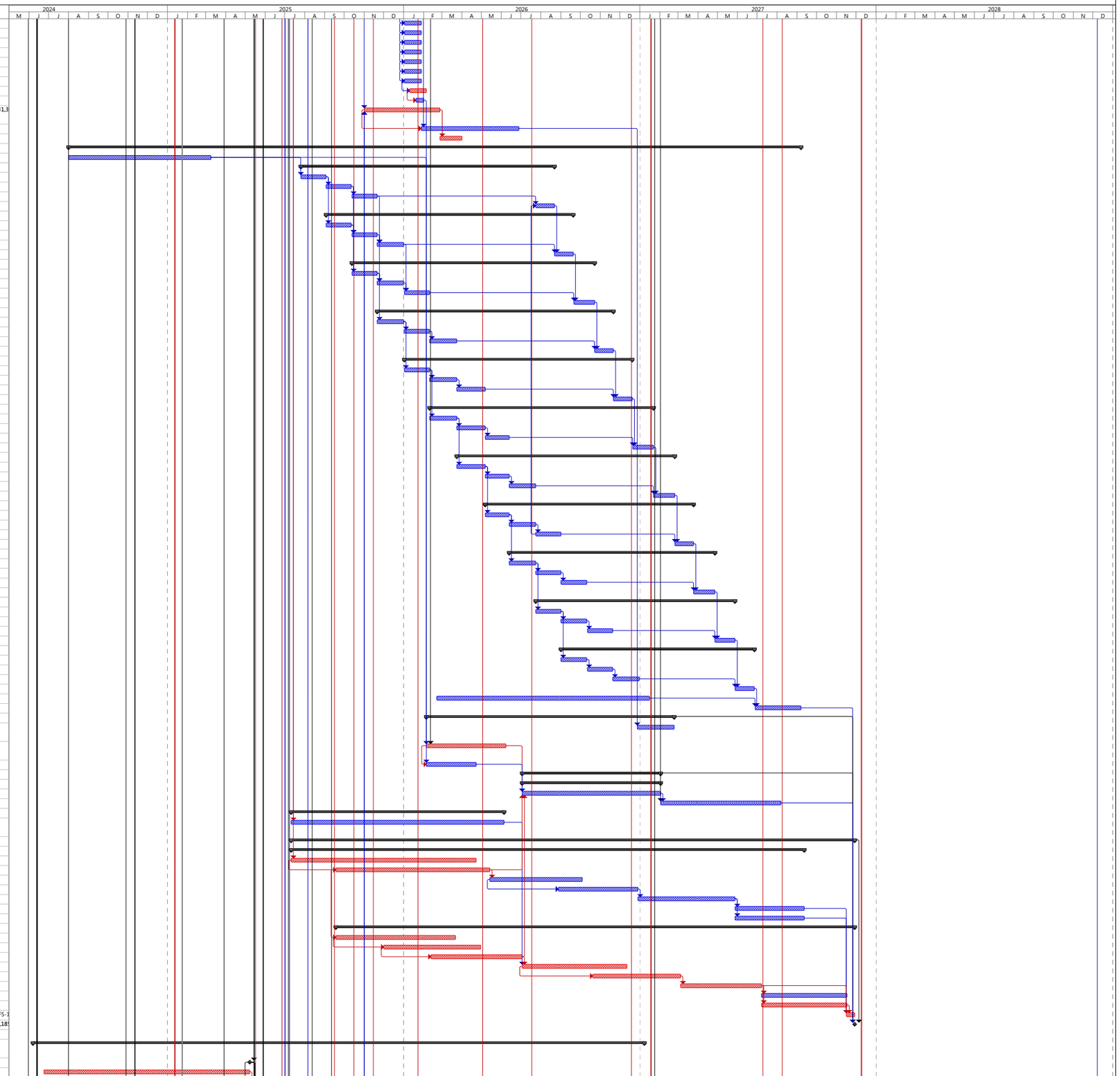


Project : YL/2023/01
Data Date : 05 Jan 2025 (Rev. 7)

Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | Deadline
Critical Task | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | Progress

Contract No. YL/2023/01
Hung Shui Kiu / Ha Tsuen New Development Area
Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works
Programme for the Works (Data Date : 05 Jan 2025)

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
114	Bay 7 & 8	22 days	02/01/2026	27/01/2026	10/01/2026	04/02/2026	7 days	113SS
115	Bay 9 & 10	22 days	02/01/2026	27/01/2026	10/01/2026	04/02/2026	7 days	114SS
116	Bay 10 & 11	22 days	02/01/2026	27/01/2026	10/01/2026	04/02/2026	7 days	115SS
117	Bay 12 & 13	22 days	02/01/2026	27/01/2026	10/01/2026	04/02/2026	7 days	116SS
118	Bay 14 & 15	22 days	02/01/2026	27/01/2026	10/01/2026	04/02/2026	7 days	117SS
119	Bay 16 & 17	22 days	02/01/2026	27/01/2026	10/01/2026	04/02/2026	7 days	118SS
120	Bay 18 & 19	22 days	02/01/2026	27/01/2026	10/01/2026	04/02/2026	7 days	119SS
121	Bay 20 & 21	22 days	10/01/2026	04/02/2026	10/01/2026	04/02/2026	0 days	120SS
122	Bay 22	11 days	20/01/2026	31/01/2026	23/01/2026	04/02/2026	3 days	121SS
123	**Phase 2 - outfall in existing Hung Shui Kiu Channel (dry season) - TDMP approved by DSD**	**94 days**	**01/11/2025**	**25/02/2026**	**01/11/2025**	**25/02/2026**	**0 days**	**92,71,232,282,331,3**
124	**Phase 3 - connection to exiting box culvert at upstream - Bay 1 - 2**	**122 days**	**28/01/2026**	**27/06/2026**	**06/11/2026**	**07/04/2027**	**230 days**	**123SS,112**
125	**Installation of flap valve**	**29 days**	**26/02/2026**	**31/03/2026**	**26/02/2026**	**31/03/2026**	**0 days**	**123**
126	**Construction of noise barrier - 22 BAYS**	**924 days**	**01/08/2024**	**06/09/2027**	**11/03/2025**	**28/11/2027**	**181 days**	
127	XP application for road closure	180 days	01/08/2024	08/03/2025	11/03/2025	15/10/2025	181 days	55
128	**Noise barrier (Bay 1)**	**322 days**	**26/07/2025**	**21/08/2026**	**16/10/2025**	**13/11/2026**	**69 days**	
129	Excavation & ELS	33 days	26/07/2025	02/09/2025	16/10/2025	24/11/2025	69 days	127
130	Construction footing	33 days	03/09/2025	11/10/2025	09/07/2026	15/08/2026	251 days	129
131	Construction Wall Stem	33 days	13/10/2025	20/11/2025	17/08/2026	23/09/2026	251 days	130
132	installation of noise barrier panel	25 days	24/07/2026	21/08/2026	15/10/2026	13/11/2026	69 days	166SS,131
133	**Noise barrier (Bay 2)**	**314 days**	**03/09/2025**	**19/09/2026**	**25/11/2025**	**12/12/2026**	**69 days**	
134	Excavation & ELS	33 days	03/09/2025	11/10/2025	25/11/2025	05/01/2026	69 days	129
135	Construction footing	33 days	13/10/2025	20/11/2025	17/08/2026	23/09/2026	251 days	134,130
136	Construction Wall Stem	33 days	21/11/2025	31/12/2025	24/09/2026	04/11/2026	251 days	135,131
137	installation of noise barrier panel	25 days	22/08/2026	19/09/2026	14/11/2026	12/12/2026	69 days	132,136
138	**Noise barrier (Bay 3)**	**306 days**	**13/10/2025**	**22/10/2026**	**06/01/2026**	**14/01/2027**	**69 days**	
139	Excavation & ELS	33 days	13/10/2025	20/11/2025	06/01/2026	12/02/2026	69 days	134
140	Construction footing	33 days	21/11/2025	31/12/2025	24/09/2026	04/11/2026	251 days	139,135
141	Construction Wall Stem	33 days	02/01/2026	09/02/2026	05/11/2026	12/12/2026	251 days	140,136
142	installation of noise barrier panel	25 days	21/09/2026	22/10/2026	14/12/2026	14/01/2027	69 days	137,141
143	**Noise barrier (Bay 4)**	**298 days**	**21/11/2025**	**20/11/2026**	**13/02/2026**	**16/02/2027**	**69 days**	
144	Excavation & ELS Bay4	33 days	21/11/2025	31/12/2025	13/02/2026	26/03/2026	69 days	139
145	Construction footing	33 days	02/01/2026	09/02/2026	27/10/2026	03/12/2026	243 days	144
146	Construction Wall Stem	33 days	10/02/2026	23/03/2026	04/12/2026	14/01/2027	243 days	145
147	installation of noise barrier panel	25 days	23/10/2026	20/11/2026	15/01/2027	16/02/2027	69 days	142,146
148	**Noise barrier (Bay 5)**	**290 days**	**02/01/2026**	**19/12/2026**	**27/03/2026**	**17/03/2027**	**69 days**	
149	Excavation & ELS Bay5	33 days	02/01/2026	09/02/2026	27/03/2026	09/05/2026	69 days	144
150	Construction footing	33 days	10/02/2026	23/03/2026	25/11/2026	05/01/2027	235 days	149
151	Construction Wall Stem	33 days	24/03/2026	06/05/2026	06/01/2027	16/02/2027	235 days	150
152	installation of noise barrier panel	25 days	21/11/2026	19/12/2026	17/02/2027	17/03/2027	69 days	147,151
153	**Noise barrier (Bay 6)**	**282 days**	**10/02/2026**	**21/01/2027**	**11/05/2026**	**19/04/2027**	**69 days**	
154	Excavation & ELS Bay6	33 days	10/02/2026	23/03/2026	11/05/2026	16/06/2026	69 days	149
155	Construction footing	33 days	24/03/2026	06/05/2026	24/12/2026	03/02/2027	227 days	154
156	Construction Wall Stem	33 days	07/05/2026	12/06/2026	04/02/2027	17/03/2027	227 days	155
157	installation of noise barrier panel	25 days	21/12/2026	21/01/2027	18/03/2027	19/04/2027	69 days	152,156
158	**Noise barrier (Bay 7)**	**274 days**	**24/03/2026**	**23/02/2027**	**17/06/2026**	**20/05/2027**	**69 days**	
159	Excavation & ELS Bay7	33 days	24/03/2026	06/05/2026	17/06/2026	27/07/2026	69 days	154
160	Construction footing	33 days	07/05/2026	12/06/2026	26/01/2027	08/03/2027	219 days	159
161	Construction Wall Stem	33 days	13/06/2026	23/07/2026	09/03/2027	19/04/2027	219 days	160
162	installation of noise barrier panel	25 days	22/01/2027	23/02/2027	20/04/2027	20/05/2027	69 days	157,161
163	**Noise barrier (Bay 8)**	**266 days**	**07/05/2026**	**24/03/2027**	**28/07/2026**	**19/06/2027**	**69 days**	
164	Excavation & ELS Bay8	33 days	07/05/2026	12/06/2026	28/07/2026	03/09/2026	69 days	159
165	Construction footing	33 days	13/06/2026	23/07/2026	04/09/2026	14/10/2026	69 days	164
166	Construction Wall Stem	33 days	24/07/2026	31/08/2026	15/10/2026	23/11/2026	69 days	165
167	installation of noise barrier panel	25 days	24/02/2027	24/03/2027	21/05/2027	19/06/2027	69 days	162,166
168	**Noise barrier (Bay 9)**	**258 days**	**13/06/2026**	**26/04/2027**	**27/01/2027**	**20/07/2027**	**187 days**	
169	Excavation & ELS Bay9	33 days	13/06/2026	23/07/2026	27/01/2027	09/03/2027	187 days	164
170	Construction footing	33 days	24/07/2026	31/08/2026	01/04/2027	11/05/2027	203 days	169
171	Construction Wall Stem	33 days	01/09/2026	10/10/2026	12/05/2027	19/06/2027	203 days	170
172	installation of noise barrier panel	25 days	25/03/2027	26/04/2027	21/06/2027	20/07/2027	69 days	167,171
173	**Noise barrier (Bay 10)**	**250 days**	**24/07/2026**	**27/05/2027**	**10/03/2027**	**18/08/2027**	**187 days**	
174	Excavation & ELS Bay10	33 days	24/07/2026	31/08/2026	10/03/2027	20/04/2027	187 days	169
175	Construction footing	33 days	01/09/2026	10/10/2026	30/04/2027	10/06/2027	195 days	174
176	Construction Wall Stem	33 days	12/10/2026	19/11/2026	11/06/2027	20/07/2027	195 days	175
177	installation of noise barrier panel	25 days	27/04/2027	27/05/2027	21/07/2027	18/08/2027	69 days	172,176
178	**Noise barrier (Bay 11)**	**242 days**	**01/09/2026**	**26/06/2027**	**21/04/2027**	**17/09/2027**	**187 days**	
179	Excavation & ELS Bay11	33 days	01/09/2026	10/10/2026	21/04/2027	31/05/2027	187 days	174
180	Construction footing	33 days	12/10/2026	19/11/2026	01/06/2027	10/07/2027	187 days	179
181	Construction Wall Stem	33 days	20/11/2026	30/12/2026	12/07/2027	18/08/2027	187 days	180
182	installation of noise barrier panel	25 days	28/05/2027	26/06/2027	19/08/2027	17/09/2027	69 days	177,181
183	modification of gantry support	270 days	21/02/2026	15/01/2027	22/10/2026	17/09/2027	199 days	
184	Reinstatement to Hung Tin Road	60 days	28/06/2027	06/09/2027	18/09/2027	28/11/2027	69 days	182,183
185	**Demolition of existing box culvert / retaining wall**	**310 days**	**05/02/2026**	**22/02/2027**	**05/02/2026**	**28/11/2027**	**0 days**	
186	construction of end wall in box culvert near existing Flap Valve Chamber (3rd dry season)	45 days	28/12/2026	22/02/2027	07/10/2027	28/11/2027	230 days	124FS+150 days
187	**demolition of existing box culvert (approx. 280m) - 2 workfronts (KD1 - 07 Jun 2026)**	**98 days**	**05/02/2026**	**07/06/2026**	**05/02/2026**	**07/06/2026**	**0 days**	**122,110**
188	demolition of existing retaining walls	60 days	05/02/2026	22/04/2026	13/08/2026	24/10/2026	153 days	127,187SS
189	**Site formation work**	**177 days**	**03/07/2026**	**01/02/2027**	**26/10/2026**	**01/06/2027**	**95 days**	
190	**completion of formation for bridge FB13 (KD2 05 Jan 2027)**	**177 days**	**03/07/2026**	**01/02/2027**	**26/10/2026**	**01/06/2027**	**95 days**	
191	**backfilling - 1.5m ~ 2m, 6 layers x 300mm (KD2)**	**177 days**	**03/07/2026**	**01/02/2027**	**26/10/2026**	**01/06/2027**	**95 days**	**198,187,188,207**
192	**Ground improvement work**	**150 days**	**02/02/2027**	**06/08/2027**	**02/06/2027**	**28/11/2027**	**95 days**	**191,107**
193	**Construction of DCS cooling main**	**269 days**	**11/07/2025**	**04/06/2026**	**07/08/2025**	**02/07/2026**	**23 days**	
194	construction of 1200mm DCS pipes along Road L - around 470m x 3 nos. chilled water pipes - 3 work fronts (30m x 5 stages, 75D x 5 stages)	269 days	11/07/2025	04/06/2026	07/08/2025	02/07/2026	23 days	109
195	**Drainage works and Road works**	**714 days**	**11/07/2025**	**28/11/2027**	**11/07/2025**	**28/11/2027**	**0 days**	
196	**Road L7**	**650 days**	**11/07/2025**	**11/09/2027**	**11/07/2025**	**15/11/2027**	**0 days**	
197	**Storm Drainage along Road L7 and outfall (KD1 - 07 Jun 2026)**	**234 days**	**11/07/2025**	**22/04/2026**	**11/07/2025**	**22/04/2026**	**0 days**	**109**
198	Sewage and watermain	190 days	18/09/2025	13/05/2026	18/09/2025	13/05/2026	0 days	197SS+60 days
199	Gullies and road drainage	120 days	14/05/2026	03/10/2026	15/07/2026	04/12/2026	52 days	198
200	Kerb and pavement	100 days	28/08/2026	28/12/2026	31/10/2026	03/03/2027	52 days	199SS+90 days
201	Street lighting and UU	120 days	29/12/2026	27/05/2027	04/03/2027	29/07/2027	52 days	200
202	Footpath paving	90 days	28/05/2027	11/09/2027	30/07/2027	15/11/2027	52 days	201
203	Traffic furniture, signs and road marking	90 days	28/05/2027	11/09/2027	30/07/2027	15/11/2027	52 days	201
204	**Road L6 and L8**	**654 days**	**18/09/2025**	**28/11/2027**	**18/09/2025**	**28/11/2027**	**0 days**	
205	Sewage drainage pipe	150 days	18/09/2025	21/03/2026	18/09/2025	21/03/2026	0 days	198SS
206	Storm drainage pipe	120 days	01/12/2025	29/04/2026	01/12/2025	29/04/2026	0 days	205SS+60 days
207	Watermain	112 days	12/02/2026	02/07/2026	12/02/2026	02/07/2026	0 days	206SS+60 days
208	Gullies and road drainage	136 days	03/07/2026	11/12/2026	03/07/2026	11/12/2026	0 days	207,194
209	Kerb and pavement	111 days	20/10/2026	04/03/2027	20/10/2026	04/03/2027	0 days	208SS+90 days
210	Street lighting and UU	100 days	05/03/2027	07/07/2027	05/03/2027	07/07/2027	0 days	209
211	Footpath paving	110 days	08/07/2027	16/11/2027	21/07/2027	28/11/2027	11 days	210
212	Traffic furniture, signs and road marking	110 days	08/07/2027	16/11/2027	08/07/2027	16/11/2027	0 days	210
213	Final cleaning and handover	12 days	16/11/2027	28/11/2027	16/11/2027	28/11/2027	0 days	210,202,203,212FS-1
214	**Completion of Section 1 of the works**	**0 days**	**28/11/2027**	**28/11/2027**	**28/11/2027**	**28/11/2027**	**0 days**	**184,195,189,192,18**
215								
216	**4. Section 2 of the works (Part B of the Site and complete the drainage diversion for demolition of existing BC within Part B of the Site) - 610D**	**772 days**	**07/06/2024**	**07/01/2027**	**07/06/2024**	**07/01/2027**	**0 days**	
217	Site possession	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
218	Coordination/Liaison with nearby stakeholders by caring team visit	258 days	24/06/2024	07/05/2025	24/06/2024	07/05/2025	0 days	69

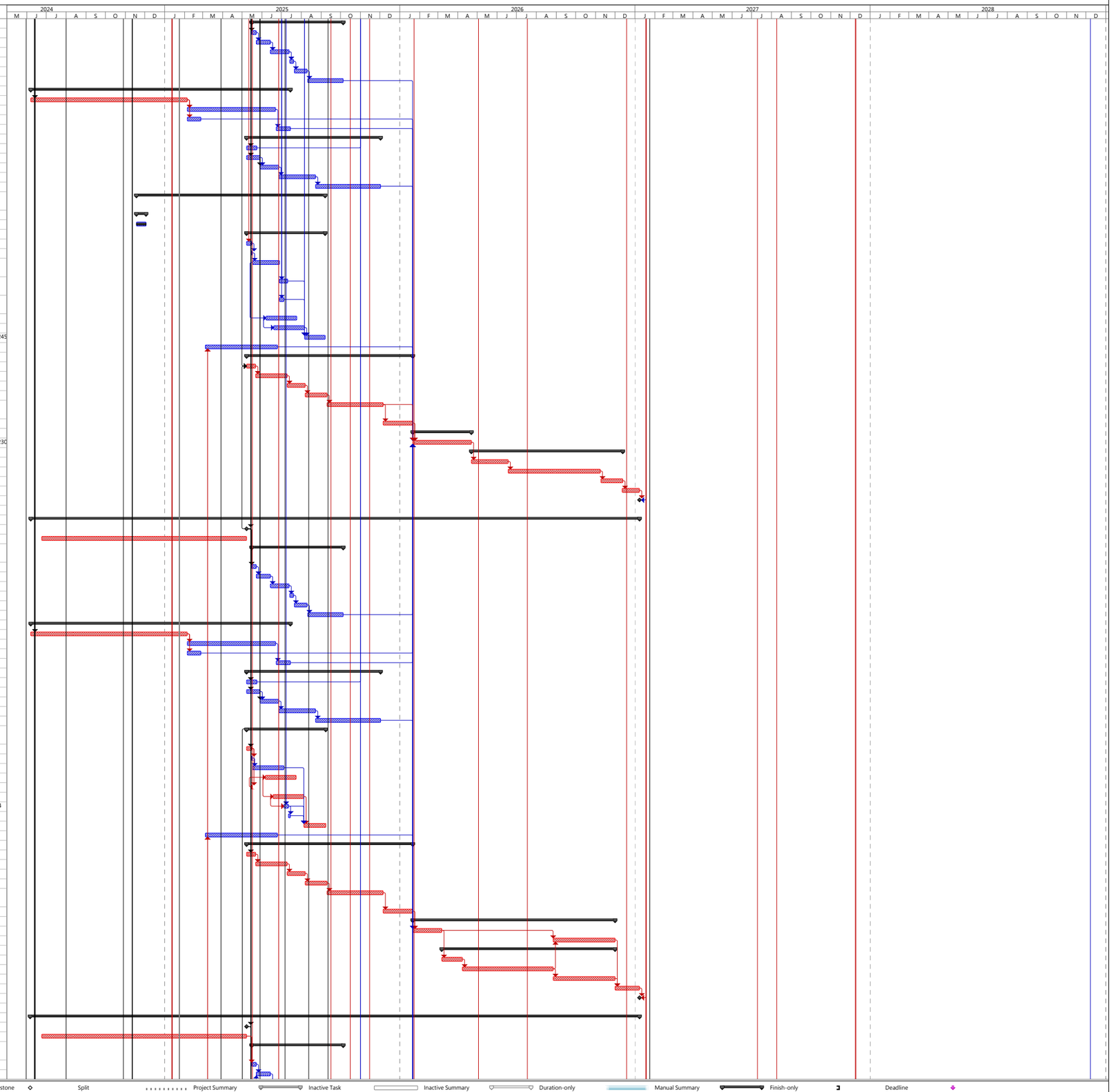


Project : YL/2023/01
Data Date : 05 Jan 2025 (Rev. 7)

Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | Deadline
Critical Task | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | Progress

Contract No. YL/2023/01
Hung Shui Kiu / Ha Tsuen New Development Area
Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works
Programme for the Works (Data Date : 05 Jan 2025)

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
219	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**120 days**	**16/05/2025**	**04/10/2025**	**28/08/2025**	**20/01/2026**	**87 days**	
220	Asbestos Inspection for clarification of ACM existence	6 days	16/05/2025	22/05/2025	28/08/2025	03/09/2025	87 days	217FS+7 days
221	Submission of asbestos material containing survey report	18 days	23/05/2025	13/06/2025	04/09/2025	23/09/2025	87 days	220
222	Notification to EPD for asbestos removal works	24 days	14/06/2025	12/07/2025	24/09/2025	23/10/2025	87 days	221
223	Approval from EPD for the removal works	6 days	14/07/2025	19/07/2025	24/10/2025	31/10/2025	87 days	222
224	Removal of asbestos material	18 days	21/07/2025	09/08/2025	01/11/2025	21/11/2025	87 days	223
225	Demolition and site clearance for asbestos containing structure	48 days	11/08/2025	04/10/2025	22/11/2025	20/01/2026	87 days	224
226	**Tree Survey, TPRP and Tree Felling**	**327 days**	**07/06/2024**	**14/07/2025**	**07/06/2024**	**20/01/2026**	**0 days**	
227	Tree survey and submission (for individual tree and tree group)	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
228	Submission of TPRP and approval (for tree group)	112 days	05/02/2025	21/06/2025	16/08/2025	29/12/2025	158 days	227
229	Tree felling (for individual trees)	18 days	05/02/2025	25/02/2025	30/12/2025	20/01/2026	270 days	227
230	Tree felling (for tree group)	18 days	23/06/2025	14/07/2025	30/12/2025	20/01/2026	158 days	228
231	**UU Detection / :Liaison / Decommission and Site Clearance**	**174 days**	**08/05/2025**	**01/12/2025**	**25/06/2025**	**20/01/2026**	**40 days**	
232	Construction of temporary site entrance	14 days	08/05/2025	23/05/2025	15/10/2025	31/10/2025	134 days	217
233	UU Detection on Site	18 days	08/05/2025	28/05/2025	25/06/2025	16/07/2025	40 days	217
234	Liaison with UU for decommissioning	24 days	29/05/2025	26/06/2025	17/07/2025	13/08/2025	40 days	77,233
235	decommissioning of existing services by UU/Contractor	48 days	27/06/2025	22/08/2025	14/08/2025	09/10/2025	40 days	234
236	General site clearance / demolition work (No ACM structure)	84 days	23/08/2025	01/12/2025	10/10/2025	20/01/2026	40 days	235
237	**Ground Investigation (11 nos. BH) and Lab. Testing/reporting - KD 3 (07 Sep 2025)**	**239 days**	**18/11/2024**	**06/09/2025**	**18/11/2024**	**07/09/2025**	**0 days**	
238	**Advanced GI works at G1A**	**13 days**	**18/11/2024**	**02/12/2024**	**18/11/2024**	**02/12/2024**	**0 days**	
239	BHC1-106	13 days	18/11/2024	02/12/2024	18/11/2024	02/12/2024	0 days	
240	**Remaining GI Works**	**103 days**	**08/05/2025**	**06/09/2025**	**09/05/2025**	**07/09/2025**	**1 day**	
241	Forming site access for GI works	7 days	08/05/2025	15/05/2025	09/05/2025	16/05/2025	1 day	218
242	Mobilization of Plant	1 day	16/05/2025	16/05/2025	17/05/2025	17/05/2025	1 day	241
243	Site Work 7 Nos (GI plant No.3 - assume 5 days works including mobilization for 1 holes)	35 days	17/05/2025	27/06/2025	19/05/2025	28/06/2025	1 day	242
244	Site Work 2 Nos (GI plant No.1 - assume 5 days works including mobilization for 1 holes)	10 days	28/06/2025	10/07/2025	26/07/2025	06/08/2025	23 days	100
245	Site Work 1 No (GI plant No.2 - assume 5 days works including mobilization for 1 holes)	5 days	28/06/2025	04/07/2025	01/08/2025	06/08/2025	28 days	101
246	Issuance of preliminary log	40 days	07/06/2025	24/07/2025	09/06/2025	25/07/2025	1 day	243SS+17 days
247	Engineer instruction for testing	40 days	19/06/2025	05/08/2025	20/06/2025	06/08/2025	1 day	246SS+10 days
248	Lab testing and reporting	28 days	06/08/2025	06/09/2025	07/08/2025	07/09/2025	1 day	247,100,101,244,245
249	Ground Investigation by Housing	90 days	05/03/2025	24/06/2025	02/10/2025	20/01/2026	174 days	546,820
250	**Land Contamination Assessment / Treatment**	**214 days**	**08/05/2025**	**20/01/2026**	**08/05/2025**	**20/01/2026**	**0 days**	
251	site appraisal and prepare Contamination Assessment Plan	12 days	08/05/2025	21/05/2025	08/05/2025	21/05/2025	0 days	217SS,267SS
252	submission / approval	40 days	22/05/2025	09/07/2025	22/05/2025	09/07/2025	0 days	251
253	site investigation / testing	24 days	10/07/2025	06/08/2025	10/07/2025	06/08/2025	0 days	252
254	preparation / submission / approval of CAR	30 days	07/08/2025	09/09/2025	07/08/2025	09/09/2025	0 days	253
255	remedial works (cement stabilization / Biopile) (8 weeks for Biopile and 4 weeks for CSS)	72 days	10/09/2025	05/12/2025	10/09/2025	05/12/2025	0 days	254
256	submission of remediation report	36 days	06/12/2025	20/01/2026	06/12/2025	20/01/2026	0 days	255
257	**Site formation work**	**72 days**	**21/01/2026**	**21/04/2026**	**21/01/2026**	**21/04/2026**	**0 days**	
258	backfilling - 1.5m ~ 2m, 6 layers x 300mm (2 weeks per layer)	72 days	21/01/2026	21/04/2026	21/01/2026	21/04/2026	0 days	249,255,256,236,230
259	**Ground improvement work**	**196 days**	**22/04/2026**	**12/12/2026**	**22/04/2026**	**12/12/2026**	**0 days**	
260	surcharge filling - 4m height	48 days	22/04/2026	17/06/2026	22/04/2026	17/06/2026	0 days	258
261	ground improvement work	118 days	18/06/2026	07/11/2026	18/06/2026	07/11/2026	0 days	260
262	removal of surcharge	30 days	09/11/2026	12/12/2026	09/11/2026	12/12/2026	0 days	261
263	Removal of hoarding and erection of fencing for site handover	20 days	12/12/2026	07/01/2027	12/12/2026	07/01/2027	0 days	262FS-1 day
264	**Completion of Section 2 of the works**	**0 days**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**0 days**	**263,28FF**
265								
266	**5. Section 3 of the works (Part C of the Site) - 610D**	**772 days**	**07/06/2024**	**07/01/2027**	**07/06/2024**	**07/01/2027**	**0 days**	
267	Site possession	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
268	Coordination/Liaison with nearby stakeholders by caring team visit	258 days	24/06/2024	07/05/2025	24/06/2024	07/05/2025	0 days	69
269	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**120 days**	**16/05/2025**	**04/10/2025**	**28/08/2025**	**20/01/2026**	**87 days**	
270	Asbestos Inspection for clarification of ACM existence	6 days	16/05/2025	22/05/2025	28/08/2025	03/09/2025	87 days	267FS+7 days
271	Submission of asbestos material containing survey report	18 days	23/05/2025	13/06/2025	04/09/2025	23/09/2025	87 days	270
272	Notification to EPD for asbestos removal works	24 days	14/06/2025	12/07/2025	24/09/2025	23/10/2025	87 days	271
273	Approval from EPD for the removal works	6 days	14/07/2025	19/07/2025	24/10/2025	31/10/2025	87 days	272
274	Removal of asbestos material	18 days	21/07/2025	09/08/2025	01/11/2025	21/11/2025	87 days	273
275	Demolition and site clearance for asbestos containing structure	48 days	11/08/2025	04/10/2025	22/11/2025	20/01/2026	87 days	274
276	**Tree Survey, TPRP and Tree Felling**	**327 days**	**07/06/2024**	**14/07/2025**	**07/06/2024**	**20/01/2026**	**0 days**	
277	Tree survey and submission (for individual tree and tree group)	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
278	Submission of TPRP and approval (for tree group)	112 days	05/02/2025	21/06/2025	16/08/2025	29/12/2025	158 days	277
279	Tree felling (for individual trees)	18 days	05/02/2025	25/02/2025	30/12/2025	20/01/2026	270 days	277
280	Tree felling (for tree group)	18 days	23/06/2025	14/07/2025	30/12/2025	20/01/2026	158 days	278
281	**UU Detection / :Liaison / Decommission and Site Clearance**	**174 days**	**08/05/2025**	**01/12/2025**	**25/06/2025**	**20/01/2026**	**40 days**	
282	Construction of temporary site entrance	14 days	08/05/2025	23/05/2025	15/10/2025	31/10/2025	134 days	217
283	UU Detection on Site	18 days	08/05/2025	28/05/2025	25/06/2025	16/07/2025	40 days	267
284	Liaison with UU for decommissioning	24 days	29/05/2025	26/06/2025	17/07/2025	13/08/2025	40 days	77,283
285	decommissioning of existing services by UU/Contractor	48 days	27/06/2025	22/08/2025	14/08/2025	09/10/2025	40 days	284
286	General site clearance / demolition work (No ACM structure)	84 days	23/08/2025	01/12/2025	10/10/2025	20/01/2026	40 days	285
287	**Ground Investigation (8 nos. BH & 1 no. TP) and Lab. Testing/reporting - (KD 3 : 07 Sep 205)**	**104 days**	**08/05/2025**	**07/09/2025**	**08/05/2025**	**07/09/2025**	**0 days**	
288	Forming site access for GI works	7 days	08/05/2025	15/05/2025	08/05/2025	15/05/2025	0 days	267
289	Mobilization of drilling rig	1 day	16/05/2025	16/05/2025	17/06/2025	17/06/2025	26 days	288
290	(GI plant No.4 - assume 5 days works including mobilization for 1 holes)	40 days	17/05/2025	04/07/2025	18/06/2025	04/08/2025	26 days	289
291	Issuance of preliminary log	40 days	06/06/2025	23/07/2025	06/06/2025	23/07/2025	0 days	292SS+17 days
292	Mobilization of drilling rig	1 day	16/05/2025	16/05/2025	16/05/2025	16/05/2025	0 days	288
293	Engineer instruction for testing	40 days	18/06/2025	04/08/2025	18/06/2025	04/08/2025	0 days	291SS+10 days
294	Trial Pit Team A - assume 6 days for 1 pit excluding backfilling	6 days	05/07/2025	11/07/2025	26/07/2025	01/08/2025	18 days	293SS+7 days,104
295	Backfilling of trial pit (compaction verified by probing)	2 days	12/07/2025	14/07/2025	02/08/2025	04/08/2025	18 days	294
296	Lab testing and reporting	30 days	05/08/2025	07/09/2025	05/08/2025	07/09/2025	0 days	293,294,295,290
297	Ground Investigation by Housing	90 days	05/03/2025	24/06/2025	02/10/2025	20/01/2026	174 days	546,820
298	**Land Contamination Assessment / Treatment**	**214 days**	**08/05/2025**	**20/01/2026**	**08/05/2025**	**20/01/2026**	**0 days**	
299	site appraisal and prepare Contamination Assessment Plan	12 days	08/05/2025	21/05/2025	08/05/2025	21/05/2025	0 days	267
300	submission / approval	40 days	22/05/2025	09/07/2025	22/05/2025	09/07/2025	0 days	299
301	site investigation / testing	24 days	10/07/2025	06/08/2025	10/07/2025	06/08/2025	0 days	300
302	preparation / submission / approval of CAR	30 days	07/08/2025	09/09/2025	07/08/2025	09/09/2025	0 days	301
303	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	10/09/2025	05/12/2025	10/09/2025	05/12/2025	0 days	302
304	submission of remediation report	36 days	06/12/2025	20/01/2026	06/12/2025	20/01/2026	0 days	303
305	**Site formation work - 1.5~2m, 6 layers x 300mm**	**257 days**	**21/01/2026**	**30/11/2026**	**21/01/2026**	**30/11/2026**	**0 days**	
306	backfilling - upper north portion (1 weeks per layer)	36 days	21/01/2026	06/03/2026	21/01/2026	06/03/2026	0 days	297,304,286
307	backfilling - lower south portion (2 weeks per layer)	79 days	27/08/2026	30/11/2026	27/08/2026	30/11/2026	0 days	306,310
308	**Ground improvement work**	**221 days**	**07/03/2026**	**30/11/2026**	**07/03/2026**	**30/11/2026**	**0 days**	
309	surcharge filling - 4m height	24 days	07/03/2026	07/04/2026	07/03/2026	07/04/2026	0 days	306
310	ground improvement work	118 days	08/04/2026	26/08/2026	08/04/2026	26/08/2026	0 days	309
311	removal of surcharge	79 days	27/08/2026	30/11/2026	27/08/2026	30/11/2026	0 days	310
312	Removal of hoarding and erection of fencing for site handover	30 days	01/12/2026	07/01/2027	01/12/2026	07/01/2027	0 days	311,307
313	**Completion of Section 3 of the works**	**0 days**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**0 days**	**312,29FF**
314								
315	**6. Section 4 of the works (Part D of the Site) - 610D**	**773 days**	**06/06/2024**	**07/01/2027**	**06/06/2024**	**07/01/2027**	**0 days**	
316	Site possession	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
317	Coordination/Liaison with nearby stakeholders by caring team visit	258 days	24/06/2024	07/05/2025	24/06/2024	07/05/2025	0 days	69
318	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**120 days**	**16/05/2025**	**04/10/2025**	**28/08/2025**	**20/01/2026**	**87 days**	
319	Asbestos Inspection for clarification of ACM existence	6 days	16/05/2025	22/05/2025	28/08/2025	03/09/2025	87 days	317FS+7 days
320	Submission of asbestos material containing survey report	18 days	23/05/2025	13/06/2025	04/09/2025	23/09/2025	87 days	319,369



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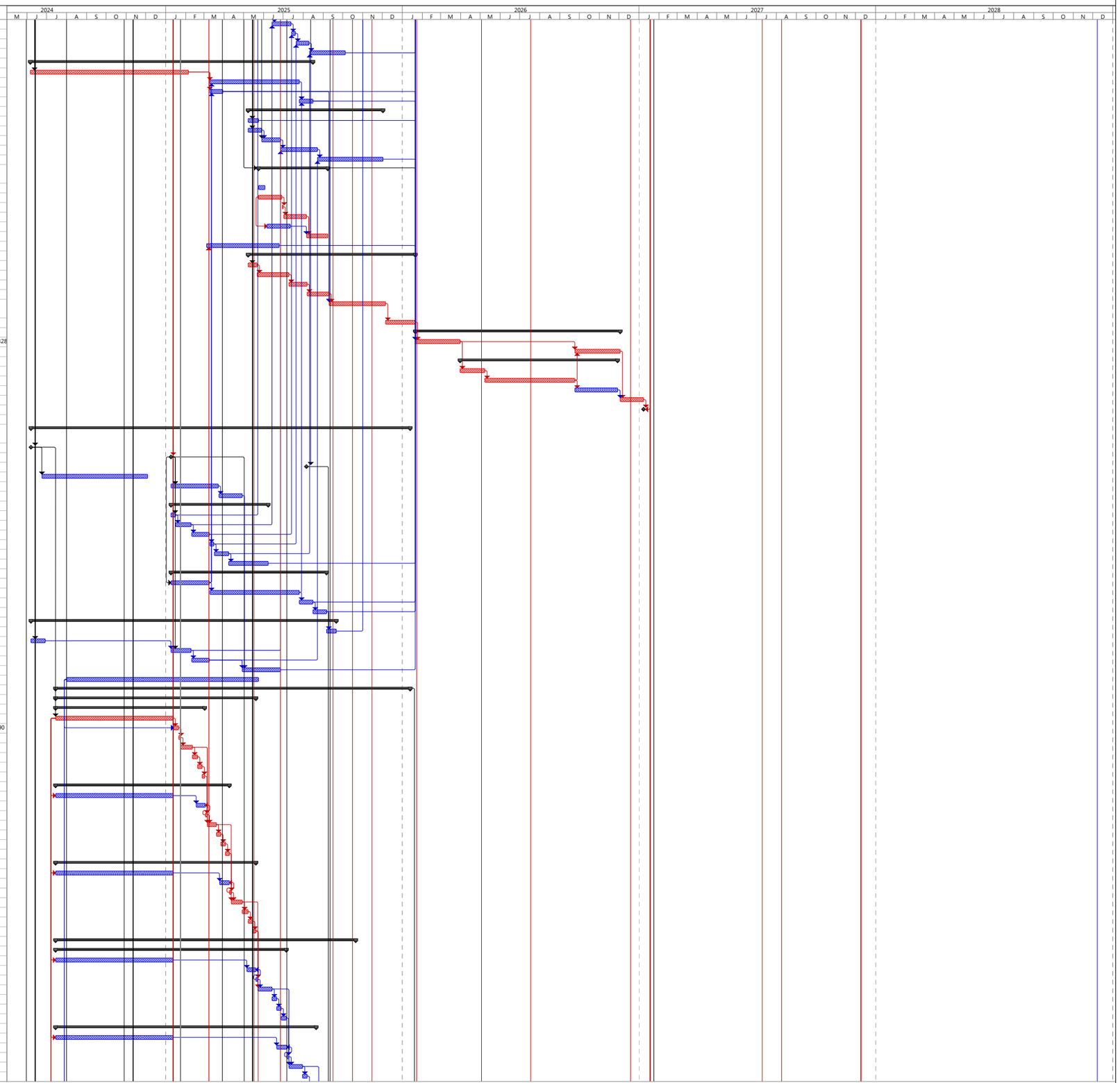
Data Date : 05 Jan 2025 (Rev. 7)

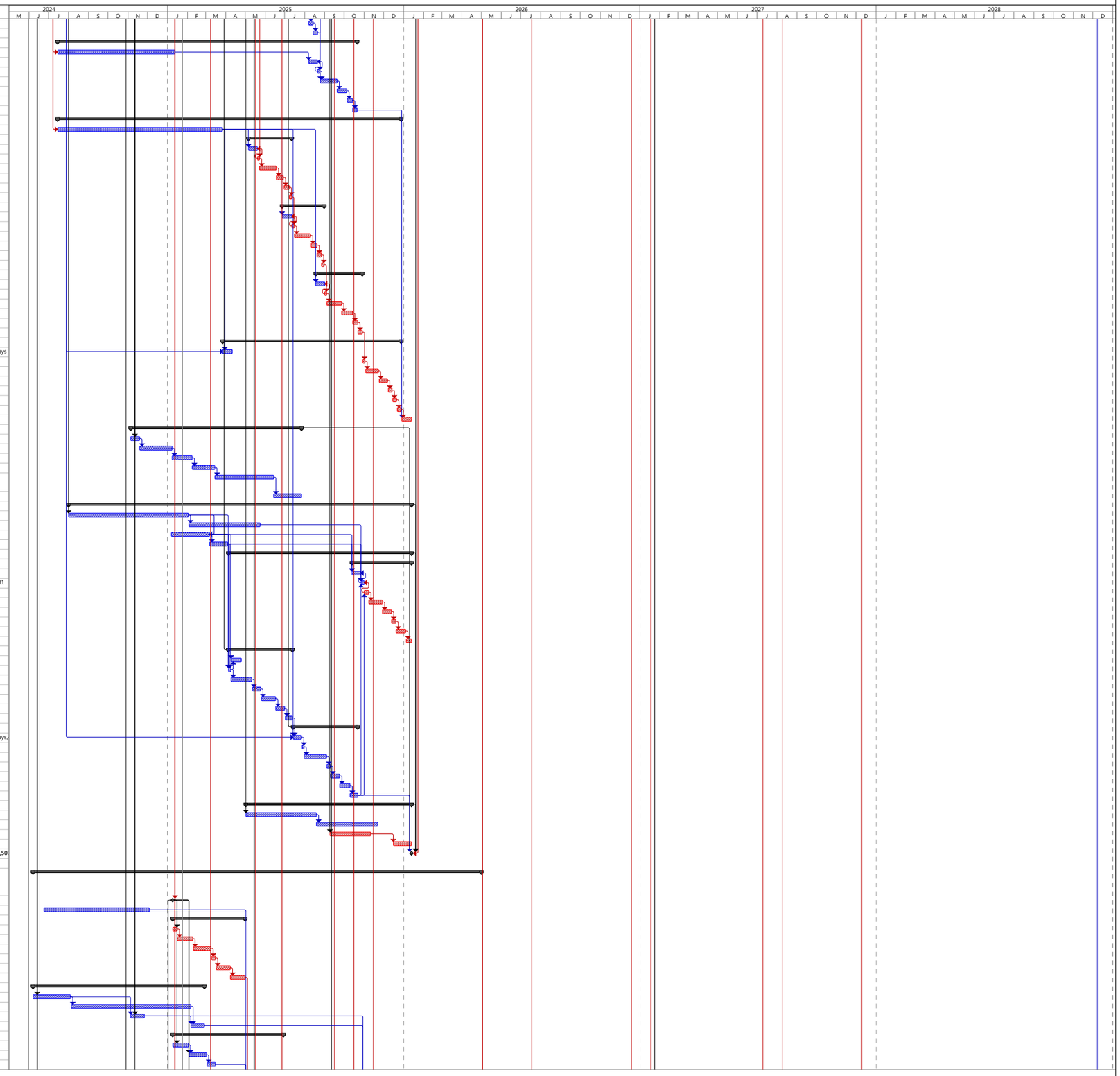
Task, Milestone, Rolled Up Task, Rolled Up Milestone, Split, Project Summary, Inactive Task, Inactive Summary, Duration-only, Manual Summary, Finish-only, Deadline
Critical Task, Summary, Rolled Up Critical Task, Rolled Up Progress, External Tasks, Group By Summary, Inactive Milestone, Manual Task, Manual Summary Rollup, Start-only, Progress

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
321	Notification to EPD for asbestos removal works	24 days	14/06/2025	12/07/2025	24/09/2025	23/10/2025	87 days	320,370
322	Approval from EPD for the removal works	6 days	14/07/2025	19/07/2025	24/10/2025	31/10/2025	87 days	321,371
323	Removal of asbestos material	18 days	21/07/2025	09/08/2025	01/11/2025	21/11/2025	87 days	322,372
324	Demolition and site clearance for asbestos containing structure	48 days	11/08/2025	04/10/2025	22/11/2025	20/01/2026	87 days	323,373
325	**Tree Survey, TPRP and Tree Felling**	**356 days**	**06/06/2024**	**15/08/2025**	**06/06/2024**	**09/09/2025**	**0 days**	
326	Tree survey and submission (for individual tree and tree group)	198 days	06/06/2024	04/02/2025	06/06/2024	04/02/2025	0 days	4
327	Submission of TPRP and approval (for tree group)	112 days	10/03/2025	25/07/2025	05/04/2025	20/08/2025	22 days	326,376
328	Tree felling (for individual trees)	18 days	10/03/2025	29/03/2025	21/08/2025	09/09/2025	134 days	326,376
329	Tree felling (for tree group)	18 days	26/07/2025	15/08/2025	21/08/2025	09/09/2025	22 days	327,377
330	**UU Detection / :Liaison / Decommission and Site Clearance**	**174 days**	**08/05/2025**	**01/12/2025**	**25/06/2025**	**20/01/2026**	**40 days**	
331	Construction of temporary site entrance	14 days	08/05/2025	23/05/2025	15/10/2025	31/10/2025	134 days	217
332	UU Detection on Site	18 days	08/05/2025	28/05/2025	25/06/2025	16/07/2025	40 days	316
333	Liaison with UU for decommissioning	24 days	29/05/2025	26/06/2025	17/07/2025	13/08/2025	40 days	77,332
334	decommissioning of existing services by UU/Contractor	48 days	27/06/2025	22/08/2025	14/08/2025	09/10/2025	40 days	333,383
335	General site clearance / demolition work (No ACM structure)	84 days	23/08/2025	01/12/2025	10/10/2025	20/01/2026	40 days	334,384
336	**Ground Investigation (6 nos. BH) and Lab. Testing/reporting - (KD 3 : 07 Sep 205)**	**90 days**	**24/05/2025**	**07/09/2025**	**24/05/2025**	**20/01/2026**	**0 days**	**287SS+14 days**
337	Forming site access for GI works	7 days	24/05/2025	02/06/2025	13/01/2026	20/01/2026	193 days	
338	Issuance of preliminary log	30 days	24/05/2025	28/06/2025	24/05/2025	28/06/2025	0 days	
339	Mobilization of drilling rig	1 day	30/06/2025	30/06/2025	30/06/2025	30/06/2025	0 days	338
340	Site Works 6 Nos. (GI plant No.5 - assume 5 days works including mobilization for	30 days	02/07/2025	05/08/2025	02/07/2025	05/08/2025	0 days	339
341	Engineer instruction for testing	30 days	06/06/2025	11/07/2025	02/07/2025	05/08/2025	21 days	338SS+10 days
342	Lab testing and reporting	29 days	06/08/2025	07/09/2025	06/08/2025	07/09/2025	0 days	341,340
343	Ground Investigation by Housing	90 days	05/03/2025	24/06/2025	02/10/2025	20/01/2026	174 days	546,820
344	**Land Contamination Assessment / Treatment**	**214 days**	**08/05/2025**	**20/01/2026**	**08/05/2025**	**20/01/2026**	**0 days**	
345	site appraisal and prepare Contamination Assessment Plan	12 days	08/05/2025	21/05/2025	08/05/2025	21/05/2025	0 days	316
346	submission / approval	40 days	22/05/2025	09/07/2025	22/05/2025	09/07/2025	0 days	345
347	site investigation / testing	24 days	10/07/2025	06/08/2025	10/07/2025	06/08/2025	0 days	346
348	preparation / submission / approval of CAR	30 days	07/08/2025	09/09/2025	07/08/2025	09/09/2025	0 days	347
349	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	10/09/2025	05/12/2025	10/09/2025	05/12/2025	0 days	348,328,329
350	submission of remediation report	36 days	06/12/2025	20/01/2026	06/12/2025	20/01/2026	0 days	349
351	**Site formation work - 1.5~2m, 6 layers x 300mm**	**259 days**	**21/01/2026**	**02/12/2026**	**21/01/2026**	**02/12/2026**	**0 days**	
352	backfilling - left west portion (1.5 weeks per layer)	56 days	21/01/2026	30/03/2026	21/01/2026	30/03/2026	0 days	343,350,329,331,328
353	backfilling - right east portion (1.5 weeks per layer)	57 days	24/09/2026	02/12/2026	24/09/2026	02/12/2026	0 days	352,356
354	**Ground improvement work**	**200 days**	**31/03/2026**	**28/11/2026**	**31/03/2026**	**02/12/2026**	**0 days**	
355	surcharge filling - 4m height	28 days	31/03/2026	07/05/2026	31/03/2026	07/05/2026	0 days	352
356	ground improvement work	118 days	08/05/2026	23/09/2026	08/05/2026	23/09/2026	0 days	355
357	removal of surcharge	54 days	24/09/2026	28/11/2026	29/09/2026	02/12/2026	3 days	356
358	Removal of hoarding and erection of fencing for site handover	28 days	03/12/2026	07/01/2027	03/12/2026	07/01/2027	0 days	353,357
359	**Completion of Section 4 of the works**	**0 days**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**0 days**	**358,30FF**
360								
361	**7. Section 5 of the works (Part E1, E2A, E2B, E3, E4 and F of the Site and complete the relocation of existing CLC) - 585D**	**478 days**	**06/06/2024**	**12/01/2026**	**07/06/2024**	**20/01/2026**	**0 days**	
362	Site possession (Part E2A, E3, E4 and Part F)	0 days	06/06/2024	06/06/2024	07/06/2024	07/06/2024	0 days	18
363	Site possession (Part E1)	0 days	08/01/2025	08/01/2025	07/02/2025	07/02/2025	22 days	24
364	Site possession (Part E2B)	0 days	05/08/2025	05/08/2025	06/08/2025	06/08/2025	0 days	19
365	Coordination/Liaison with nearby stakeholders by caring team visit	136 days	24/06/2024	03/12/2024	18/11/2024	07/05/2025	122 days	69,362
366	Submit method statement for demolition works	60 days	09/01/2025	22/03/2025	09/08/2025	18/10/2025	172 days	363
367	Approval of Method Statement for demolition Works	28 days	24/03/2025	28/04/2025	20/10/2025	21/11/2025	172 days	366
368	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**120 days**	**09/01/2025**	**07/06/2025**	**28/08/2025**	**20/01/2026**	**188 days**	
369	Asbestos Inspection for clarification of ACM existence (excluding Part E2B)	6 days	09/01/2025	15/01/2025	28/08/2025	03/09/2025	188 days	363
370	Submission of asbestos material containing survey report	18 days	16/01/2025	08/02/2025	04/09/2025	23/09/2025	188 days	369
371	Notification to EPD for asbestos removal works	24 days	10/02/2025	08/03/2025	24/09/2025	23/10/2025	188 days	370
372	Approval from EPD for the removal works	6 days	10/03/2025	15/03/2025	24/10/2025	31/10/2025	188 days	371
373	Removal of asbestos material	18 days	17/03/2025	07/04/2025	01/11/2025	21/11/2025	188 days	372
374	Demolition and site clearance for asbestos containing structure	48 days	08/04/2025	07/06/2025	22/11/2025	20/01/2026	188 days	373
375	**Tree Survey, TPRP and Tree Felling**	**196 days**	**09/01/2025**	**05/09/2025**	**07/02/2025**	**14/10/2025**	**22 days**	
376	Tree survey and submission (for individual tree and tree group)	48 days	09/01/2025	08/03/2025	07/02/2025	03/04/2025	22 days	363SS
377	Submission of TPRP and approval (for tree group)	112 days	10/03/2025	25/07/2025	05/04/2025	20/08/2025	22 days	376
378	Tree felling (for individual trees)	18 days	26/07/2025	15/08/2025	02/09/2025	20/09/2025	32 days	377
379	Tree felling (for tree group)	18 days	16/08/2025	05/09/2025	22/09/2025	14/10/2025	32 days	378
380	**UU Detection / :Liaison / Decommission and Site Clearance**	**387 days**	**07/06/2024**	**20/09/2025**	**25/06/2025**	**20/01/2026**	**311 days**	
381	Construction of temporary site entrance	14 days	06/09/2025	20/09/2025	15/10/2025	31/10/2025	32 days	379
382	UU Detection on Site	18 days	07/06/2024	28/06/2024	25/06/2025	16/07/2025	311 days	362
383	Liaison with UU for decommissioning	24 days	09/01/2025	08/02/2025	17/07/2025	13/08/2025	152 days	363,382
384	decommissioning of existing services by UU/Contractor	24 days	10/02/2025	08/03/2025	10/09/2025	09/10/2025	176 days	383
385	General site clearance / demolition work (No ACM structure)	48 days	29/04/2025	26/06/2025	22/11/2025	20/01/2026	172 days	384,367
386	Preparation / Submission / approval of TTA	240 days	01/08/2024	23/05/2025	31/10/2024	21/08/2025	75 days	55
387	**Watermain Works**	**448 days**	**15/07/2024**	**12/01/2026**	**15/07/2024**	**12/01/2026**	**0 days**	
388	**Hung Ping Road (NS315 and NS180, approx.. 100m)**	**251 days**	**15/07/2024**	**19/05/2025**	**15/07/2024**	**12/01/2026**	**0 days**	
389	**1st Stage TTA (From Hung Nga Road)**	**189 days**	**15/07/2024**	**01/03/2025**	**15/07/2024**	**01/03/2025**	**0 days**	
390	Application of excavation permit	150 days	15/07/2024	11/01/2025	15/07/2024	11/01/2025	0 days	362FS+30 days
391	Application of Road Works Advice	7 days	13/01/2025	20/01/2025	13/01/2025	20/01/2025	0 days	386SS+60 days,390
392	Implementation of TTA	3 days	21/01/2025	23/01/2025	21/01/2025	23/01/2025	0 days	391
393	Excavation and ELS installation	12 days	24/01/2025	10/02/2025	24/01/2025	10/02/2025	0 days	392
394	Pipe installation and bend block construction	7 days	11/02/2025	18/02/2025	11/02/2025	18/02/2025	0 days	393
395	Backfilling and SRT test	6 days	19/02/2025	25/02/2025	19/02/2025	25/02/2025	0 days	394
396	Reinstatement	4 days	26/02/2025	01/03/2025	26/02/2025	01/03/2025	0 days	395
397	**2nd Stage TTA (Middle of Hung Ping Road)**	**220 days**	**15/07/2024**	**08/04/2025**	**03/03/2025**	**12/01/2026**	**189 days**	
398	Application of excavation permit	150 days	15/07/2024	11/01/2025	02/07/2025	27/12/2025	286 days	390SS
399	Application of Road Works Advice	12 days	17/02/2025	03/03/2025	29/12/2025	12/01/2026	259 days	398,400SF
400	Implementation of TTA	3 days	03/03/2025	05/03/2025	03/03/2025	05/03/2025	0 days	396
401	Excavation and ELS installation	12 days	06/03/2025	19/03/2025	06/03/2025	19/03/2025	0 days	400,393
402	Pipe installation and bend block construction	6 days	20/03/2025	26/03/2025	20/03/2025	26/03/2025	0 days	401
403	Backfilling and SRT test	6 days	27/03/2025	02/04/2025	27/03/2025	02/04/2025	0 days	402
404	Reinstatement	4 days	03/04/2025	08/04/2025	03/04/2025	08/04/2025	0 days	403
405	**3rd Stage TTA (Junction with Hung Yuen Road)**	**251 days**	**15/07/2024**	**19/05/2025**	**09/04/2025**	**12/01/2026**	**220 days**	
406	Application of excavation permit	150 days	15/07/2024	11/01/2025	02/07/2025	27/12/2025	286 days	390SS
407	Application of Road Works Advice	12 days	25/03/2025	09/04/2025	29/12/2025	12/01/2026	228 days	406,408SF
408	Implementation of TTA	3 days	09/04/2025	11/04/2025	09/04/2025	11/04/2025	0 days	404
409	Excavation and ELS installation	12 days	12/04/2025	28/04/2025	12/04/2025	28/04/2025	0 days	408,401
410	Pipe installation and bend block construction	6 days	29/04/2025	07/05/2025	29/04/2025	07/05/2025	0 days	409
411	Backfilling and SRT test	6 days	08/05/2025	14/05/2025	08/05/2025	14/05/2025	0 days	410
412	Reinstatement	4 days	15/05/2025	19/05/2025	15/05/2025	19/05/2025	0 days	411
413	**Hung Nga Road (NS315 and NS180 and branch pipes, approx.. 100m)**	**380 days**	**15/07/2024**	**20/10/2025**	**02/07/2025**	**12/01/2026**	**286 days**	
414	**1st Stage TTA (From Hung Ping Road)**	**290 days**	**15/07/2024**	**05/07/2025**	**02/07/2025**	**12/01/2026**	**286 days**	
415	Application of excavation permit	150 days	15/07/2024	11/01/2025	02/07/2025	27/12/2025	286 days	390SS
416	Application of Road Works Advice	12 days	06/05/2025	20/05/2025	29/12/2025	12/01/2026	197 days	417SF,415
417	Implementation of TTA	3 days	20/05/2025	22/05/2025	26/07/2025	29/07/2025	56 days	412
418	Excavation and ELS installation	18 days	23/05/2025	13/06/2025	30/07/2025	19/08/2025	56 days	417,409
419	Pipe installation and bend block construction	6 days	14/06/2025	20/06/2025	20/08/2025	26/08/2025	56 days	418
420	Backfilling and SRT test	6 days	21/06/2025	27/06/2025	27/08/2025	02/09/2025	56 days	419
421	Reinstatement	6 days	28/06/2025	05/07/2025	03/09/2025	08/09/2025	56 days	420
422	**2nd Stage TTA (Middle of Hung Nga Road)**	**329 days**	**15/07/2024**	**20/08/2025**	**02/07/2025**	**12/01/2026**	**286 days**	
423	Application of excavation permit	150 days	15/07/2024	11/01/2025	02/07/2025	27/12/2025	286 days	390SS
424	Application of Road Works Advice	12 days	21/06/2025	07/07/2025	29/12/2025	12/01/2026	158 days	423,425SF
425	Implementation of TTA	3 days	07/07/2025	09/07/2025	09/09/2025	11/09/2025	56 days	421
426	Excavation and ELS installation	18 days	10/07/2025	30/07/2025	12/09/2025	03/10/2025	56 days	425,418
427	Pipe installation and bend block construction	6 days	31/07/2025	06/08/2025	04/10/2025	11/10/2025	56 days	426



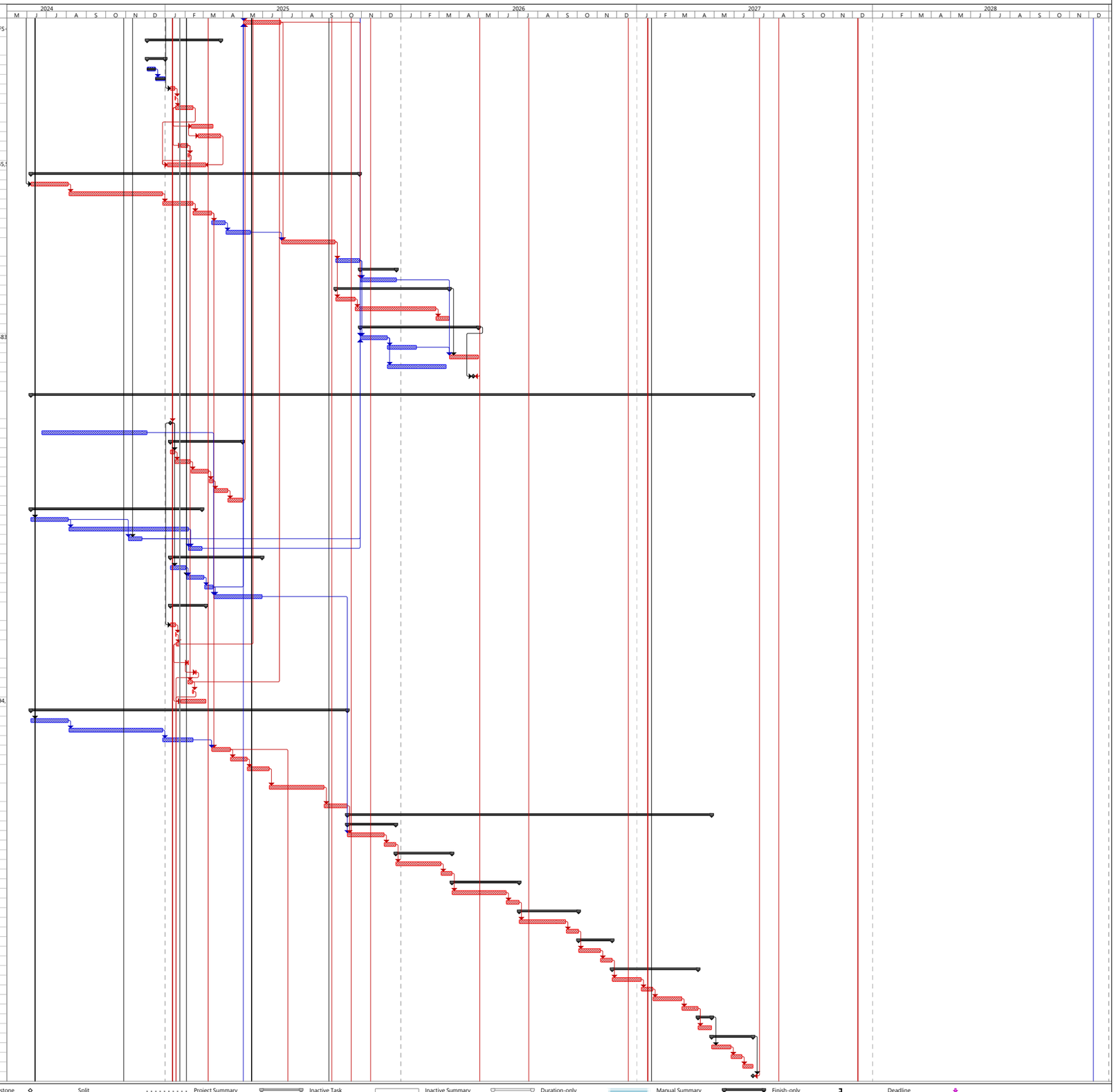
Contract No. YL/2023/01
Hung Shui Kiu / Ha Tsuen New Development Area
Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works
Programme for the Works (Data Date : 05 Jan 2025)

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
428	Backfilling and SRT test	6 days	07/08/2025	13/08/2025	13/10/2025	18/10/2025	56 days	427
429	Reinstatement	6 days	14/08/2025	20/08/2025	20/10/2025	25/10/2025	56 days	428
430	**3rd Stage TTA (To Portion E2)**	**380 days**	**15/07/2024**	**20/10/2025**	**02/07/2025**	**12/01/2026**	**286 days**	
431	Application of excavation permit	150 days	15/07/2024	11/01/2025	02/07/2025	27/12/2025	286 days	390SS
432	Application of Road Works Advice	12 days	07/08/2025	21/08/2025	29/12/2025	12/01/2026	119 days	431,433SF
433	Implementation of TTA	3 days	21/08/2025	23/08/2025	27/10/2025	30/10/2025	56 days	429
434	Excavation and ELS installation	24 days	25/08/2025	19/09/2025	31/10/2025	27/11/2025	56 days	433,426
435	Pipe installation and bend block construction	12 days	20/09/2025	04/10/2025	28/11/2025	11/12/2025	56 days	434
436	Backfilling and SRT test	6 days	06/10/2025	13/10/2025	12/12/2025	18/12/2025	56 days	435
437	Reinstatement	6 days	14/10/2025	20/10/2025	19/12/2025	27/12/2025	56 days	436
438	**Hung Yuen Road (DN600 and MS1200 with branch pipes, approx.. 100m)**	**436 days**	**15/07/2024**	**27/12/2025**	**05/11/2024**	**12/01/2026**	**94 days**	
439	Application of excavation permit	210 days	15/07/2024	26/03/2025	05/11/2024	22/07/2025	94 days	390SS
440	**1st Stage TTA (Junction with Hung Ping Road-Phase 1)**	**56 days**	**06/05/2025**	**11/07/2025**	**20/05/2025**	**12/01/2026**	**12 days**	
441	Application of Road Works Advice	12 days	06/05/2025	20/05/2025	29/12/2025	12/01/2026	197 days	439,442SF
442	Implementation of TTA	3 days	20/05/2025	22/05/2025	20/05/2025	22/05/2025	0 days	412
443	Excavation and ELS installation	21 days	23/05/2025	17/06/2025	23/05/2025	17/06/2025	0 days	442
444	Pipe installation and bend block construction	10 days	18/06/2025	28/06/2025	18/06/2025	28/06/2025	0 days	443
445	Backfilling and SRT test	6 days	30/06/2025	07/07/2025	30/06/2025	07/07/2025	0 days	444
446	Reinstatement	4 days	08/07/2025	11/07/2025	08/07/2025	11/07/2025	0 days	445
447	**2nd Stage TTA (Northern end of Hung Yuen Road)**	**55 days**	**27/06/2025**	**30/08/2025**	**12/07/2025**	**12/01/2026**	**12 days**	
448	Application of Road Works Advice	12 days	27/06/2025	12/07/2025	29/12/2025	12/01/2026	153 days	439,449SF
449	Implementation of TTA	3 days	12/07/2025	15/07/2025	12/07/2025	15/07/2025	0 days	446
450	Excavation and ELS installation	22 days	16/07/2025	09/08/2025	16/07/2025	09/08/2025	0 days	449
451	Pipe installation and bend block construction	8 days	11/08/2025	19/08/2025	11/08/2025	19/08/2025	0 days	450
452	Backfilling and SRT test	6 days	20/08/2025	26/08/2025	20/08/2025	26/08/2025	0 days	451
453	Reinstatement	4 days	27/08/2025	30/08/2025	27/08/2025	30/08/2025	0 days	452
454	**3rd Stage TTA (Middle of Hung Yuen Road)**	**61 days**	**18/08/2025**	**28/10/2025**	**01/09/2025**	**12/01/2026**	**12 days**	
455	Application of Road Works Advice	12 days	18/08/2025	01/09/2025	29/12/2025	12/01/2026	110 days	439,456SF
456	Implementation of TTA	3 days	01/09/2025	03/09/2025	01/09/2025	03/09/2025	0 days	453
457	Excavation and ELS installation	21 days	04/09/2025	26/09/2025	04/09/2025	26/09/2025	0 days	456
458	Pipe installation and bend block construction	12 days	27/09/2025	13/10/2025	27/09/2025	13/10/2025	0 days	457
459	Backfilling and SRT test	7 days	14/10/2025	21/10/2025	14/10/2025	21/10/2025	0 days	458
460	Reinstatement	6 days	22/10/2025	28/10/2025	22/10/2025	28/10/2025	0 days	459
461	**4th Stage TTA (South end of Hung Yuen Road)**	**226 days**	**27/03/2025**	**27/12/2025**	**30/10/2025**	**12/01/2026**	**177 days**	
462	Application of Road Works Advice	12 days	27/03/2025	10/04/2025	29/12/2025	12/01/2026	226 days	439,386SS+60 days
463	Implementation of TTA	3 days	30/10/2025	01/11/2025	30/10/2025	01/11/2025	0 days	460
464	Excavation and ELS installation	18 days	03/11/2025	22/11/2025	03/11/2025	22/11/2025	0 days	463
465	Pipe installation and bend block construction	12 days	24/11/2025	06/12/2025	24/11/2025	06/12/2025	0 days	464
466	Final Testing of Pipe Works	6 days	08/12/2025	13/12/2025	08/12/2025	13/12/2025	0 days	465
467	Backfilling and SRT test	6 days	15/12/2025	20/12/2025	15/12/2025	20/12/2025	0 days	466
468	Reinstatement	4 days	22/12/2025	27/12/2025	22/12/2025	27/12/2025	0 days	467
469	Final connection to existing pipe	12 days	29/12/2025	12/01/2026	29/12/2025	12/01/2026	0 days	468,437
470	**Land Contamination Assessment / Treatment (Part E1)**	**214 days**	**05/11/2024**	**26/07/2025**	**28/04/2025**	**12/01/2026**	**140 days**	
471	site appraisal and prepare Contamination Assessment Plan	12 days	05/11/2024	18/11/2024	28/04/2025	13/05/2025	140 days	17
472	submission / approval	40 days	19/11/2024	07/01/2025	14/05/2025	30/06/2025	140 days	471
473	site investigation / testing	24 days	08/01/2025	07/02/2025	02/07/2025	29/07/2025	140 days	472
474	preparation / submission / approval of CAR	30 days	08/02/2025	14/03/2025	30/07/2025	02/09/2025	140 days	473
475	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	15/03/2025	13/06/2025	03/09/2025	27/11/2025	140 days	474
476	submission of remediation report	36 days	14/06/2025	26/07/2025	28/11/2025	12/01/2026	140 days	475
477	**Drainage and Sewer Work at Part F**	**433 days**	**01/08/2024**	**12/01/2026**	**10/08/2024**	**12/01/2026**	**8 days**	
478	XP application	150 days	01/08/2024	01/02/2025	10/08/2024	11/02/2025	8 days	18,55
479	TDMP submission to DSD / approval	90 days	03/02/2025	23/05/2025	18/09/2025	07/01/2026	189 days	478
480	TTA submission/ approval	48 days	07/01/2025	06/03/2025	16/01/2025	15/03/2025	8 days	478FF+28 days
481	Liaison with relevant Cyclist Association for Approval of cycle track closure	24 days	07/03/2025	03/04/2025	17/03/2025	14/04/2025	8 days	480
482	**Works for drainage and outfall**	**231 days**	**05/04/2025**	**12/01/2026**	**15/04/2025**	**12/01/2026**	**8 days**	
483	**Works inside nullah**	**75 days**	**13/10/2025**	**12/01/2026**	**01/11/2025**	**12/01/2026**	**16 days**	
484	Application of Road Works Advice	12 days	13/10/2025	27/10/2025	29/12/2025	12/01/2026	63 days	480,485SF,481
485	Implementation of TTA	4 days	27/10/2025	01/11/2025	08/01/2026	12/01/2026	59 days	479,486SF,507,481
486	Preventive measure for working area inside nullah	6 days	01/11/2025	07/11/2025	01/11/2025	07/11/2025	0 days	507
487	Excavation and ELS installation	18 days	08/11/2025	28/11/2025	08/11/2025	28/11/2025	0 days	486
488	Outfall contraction	12 days	29/11/2025	12/12/2025	29/11/2025	12/12/2025	0 days	487
489	Pipe installation (750mm pipes)	6 days	13/12/2025	19/12/2025	13/12/2025	19/12/2025	0 days	488
490	Backfilling and SRT Test	10 days	20/12/2025	03/01/2026	20/12/2025	03/01/2026	0 days	489
491	Reinstatement	7 days	05/01/2026	12/01/2026	05/01/2026	12/01/2026	0 days	490
492	**Stage 1 (DN 450/DN750 drain at Cycle track)**	**79 days**	**05/04/2025**	**12/07/2025**	**15/04/2025**	**12/01/2026**	**8 days**	
493	Application of Road Works Advice	12 days	09/04/2025	24/04/2025	29/12/2025	12/01/2026	216 days	481,480,494
494	Implementation of TTA	3 days	05/04/2025	08/04/2025	15/04/2025	17/04/2025	8 days	478,480,481
495	Excavation and ELS installation	24 days	09/04/2025	10/05/2025	18/04/2025	20/05/2025	8 days	494
496	Manhole construction	12 days	12/05/2025	24/05/2025	21/05/2025	04/06/2025	8 days	495
497	Pipe installation (450mm and 750mm pipes)	18 days	26/05/2025	16/06/2025	05/06/2025	25/06/2025	8 days	496
498	Backfilling and SRT Test	12 days	17/06/2025	30/06/2025	26/06/2025	10/07/2025	8 days	497
499	Reinstatement	10 days	02/07/2025	12/07/2025	11/07/2025	22/07/2025	8 days	498
500	**Stage 2 (NS525 Sewer)**	**85 days**	**14/07/2025**	**21/10/2025**	**23/07/2025**	**31/10/2025**	**8 days**	
501	Application of Road Works Advice	12 days	14/07/2025	26/07/2025	23/07/2025	05/08/2025	8 days	439,386SS+60 days,4
502	Implementation of TTA	3 days	28/07/2025	30/07/2025	06/08/2025	08/08/2025	8 days	501
503	Excavation and ELS installation	30 days	31/07/2025	03/09/2025	09/08/2025	11/09/2025	8 days	502
504	Pipe installation (525mm sewer pipes)	6 days	04/09/2025	09/09/2025	12/09/2025	18/09/2025	8 days	503
505	Connection existing manhole	12 days	10/09/2025	23/09/2025	19/09/2025	03/10/2025	8 days	504
506	Backfilling and SRT Test	12 days	24/09/2025	09/10/2025	04/10/2025	18/10/2025	8 days	505
507	Reinstatement	10 days	10/10/2025	21/10/2025	20/10/2025	31/10/2025	8 days	506
508	**Surface channel and site formation work (Part E1, E2A, E2B, E3, E4)**	**211 days**	**02/05/2025**	**12/01/2026**	**21/06/2025**	**12/01/2026**	**41 days**	
509	Part E3 (App. 210m)	90 days	02/05/2025	18/08/2025	21/06/2025	04/10/2025	41 days	363FS+90 days
510	Part E1 and E2A (App. 160m)	80 days	19/08/2025	21/11/2025	06/10/2025	12/01/2026	41 days	509
511	Part E2B (App., 120m)	51 days	09/09/2025	10/11/2025	09/09/2025	10/11/2025	0 days	364FS+30 days
512	Remaining Part (Site access area)	21 days	16/12/2025	12/01/2026	16/12/2025	12/01/2026	0 days	511FS+30 days
513	**Completion of Section 5 of the works**	**0 days**	**12/01/2026**	**12/01/2026**	**12/01/2026**	**12/01/2026**	**0 days**	**508,477,470,387,507**
514								
515	**8. Section 6 of the works (Part G1A of the Site and complete the drainage diversion for the backfilling of existing channel / stream within G1A of the Site) - 534D**	**565 days**	**07/06/2024**	**30/04/2026**	**07/06/2024**	**22/04/2026**	**0 days**	
516	Site possession	0 days	08/01/2025	08/01/2025	08/11/2024	08/11/2024	-50 days	24
517	Coordination/Liaison with nearby stakeholders by caring team visit	136 days	24/06/2024	03/12/2024	05/11/2024	22/04/2025	111 days	69
518	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**90 days**	**09/01/2025**	**30/04/2025**	**31/12/2024**	**22/04/2025**	**-7 days**	
519	Asbestos Inspection for clarification of ACM existence	6 days	09/01/2025	15/01/2025	31/12/2024	07/01/2025	-7 days	516
520	Submission of asbestos material containing survey report	18 days	16/01/2025	08/02/2025	08/01/2025	28/01/2025	-7 days	519
521	Notification to EPD for asbestos removal works	24 days	10/02/2025	08/03/2025	01/02/2025	28/02/2025	-7 days	520
522	Approval from EPD for the removal works	6 days	10/03/2025	15/03/2025	01/03/2025	07/03/2025	-7 days	521
523	Removal of asbestos material	18 days	17/03/2025	07/04/2025	08/03/2025	28/03/2025	-7 days	522
524	Demolition and site clearance for asbestos containing structure	18 days	08/04/2025	30/04/2025	29/03/2025	22/04/2025	-7 days	523
525	**Tree Survey, TPRP and Tree Felling**	**216 days**	**07/06/2024**	**26/02/2025**	**20/03/2025**	**06/12/2025**	**234 days**	
526	Tree survey and submission (for individual tree and tree group)	48 days	07/06/2024	03/08/2024	20/03/2025	20/05/2025	234 days	18
527	Submission of TPRP and approval (for tree group)	150 days	05/08/2024	05/02/2025	21/05/2025	15/11/2025	234 days	526
528	Tree felling (for individual trees)	18 days	05/11/2024	25/11/2024	25/10/2025	15/11/2025	290 days	526,17
529	Tree felling (for tree group)	18 days	06/02/2025	26/02/2025	17/11/2025	06/12/2025	234 days	527,528
530	**UU Detection / .Liaison / Decommission and Site Clearance**	**138 days**	**09/01/2025**	**28/06/2025**	**27/01/2025**	**20/06/2025**	**15 days**	
531	UU Detection on Site	18 days	09/01/2025	01/02/2025	27/01/2025	19/02/2025	15 days	516
532	Liaison with UU for decommissioning	24 days	03/02/2025	01/03/2025	20/02/2025	19/03/2025	15 days	516,531
533	decommissioning of existing services by UU/Contractor	12 days	03/03/2025	15/03/2025	20/03/2025	02/04/2025	15 days	532



Contract No. YL/2023/01
Hung Shui Kiu / Ha Tsuen New Development Area
Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works
Programme for the Works (Data Date : 05 Jan 2025)

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
534	General site clearance / demolition work of structure after full handover of Part 1A - 2 large warehouse @4wks each, assume no ACM in warehouse structures)	48 days	02/05/2025	28/06/2025	23/04/2025	20/06/2025	-7 days	533FS+14 days,524,578,587FS+ days,655FS+14
535	**ground investigation (6 nos. BH and 1 no. T/P) and Lab. Testing/reporting - (KD4 : 04 Mar 2025)**	**92 days**	**04/12/2024**	**27/03/2025**	**08/11/2024**	**04/03/2025**	**0 days**	
536	**Advanced GI works at G1A**	**22 days**	**04/12/2024**	**31/12/2024**	**04/12/2024**	**31/12/2024**	**0 days**	
537	BHC1-228	11 days	04/12/2024	16/12/2024	04/12/2024	16/12/2024	0 days	
538	BHC1-229	11 days	17/12/2024	31/12/2024	17/12/2024	31/12/2024	0 days	537
539	Forming site access for GI works and mobilization of 1st drilling rig)	6 days	09/01/2025	15/01/2025	08/11/2024	14/11/2024	-50 days	516SS
540	Mobilization of Plant	1 day	16/01/2025	16/01/2025	15/11/2024	15/11/2024	-50 days	539
541	Site Works 4 Nos. (GI plant No.1 - assume 5 days works including mobilization for 1 holes	20 days	17/01/2025	12/02/2025	16/11/2024	09/12/2024	-50 days	540
542	Issuance of preliminary log	30 days	10/02/2025	15/03/2025	06/12/2024	13/01/2025	-50 days	541SS+17 days
543	Engineer instruction for testing	30 days	21/02/2025	27/03/2025	18/12/2024	24/01/2025	-50 days	542SS+10 days
544	Trial Pit Team A - assume 6 days for 1 pit excluding backfilling	6 days	25/01/2025	04/02/2025	23/12/2024	31/12/2024	-26 days	541SS+7 days
545	Backfilling of trial pit (compaction verified by probing)	2 days	05/02/2025	06/02/2025	02/01/2025	03/01/2025	-26 days	544
546	Lab testing and reporting	48 days	04/01/2025	04/03/2025	04/01/2025	04/03/2025	-31 days	543FF+30 days,545,
547	**Land Contamination Assessment / Treatment**	**417 days**	**07/06/2024**	**28/10/2025**	**07/06/2024**	**06/12/2025**	**0 days**	
548	site appraisal	48 days	07/06/2024	03/08/2024	07/06/2024	03/08/2024	0 days	18SS
549	prepare Contamination Assessment Plan	120 days	05/08/2024	27/12/2024	05/08/2024	27/12/2024	0 days	548
550	submission / approval	36 days	28/12/2024	12/02/2025	28/12/2024	12/02/2025	0 days	549
551	site investigation by trial pit / testing	25 days	13/02/2025	13/03/2025	13/02/2025	13/03/2025	0 days	550
552	Test Reporting by SI	18 days	14/03/2025	03/04/2025	25/04/2025	17/05/2025	33 days	551
553	preparation / submission / approval of CAR	28 days	05/04/2025	12/05/2025	19/05/2025	20/06/2025	33 days	552
554	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	30/06/2025	20/09/2025	21/06/2025	12/09/2025	-7 days	553,534
555	submission of remediation report	30 days	22/09/2025	28/10/2025	03/11/2025	06/12/2025	33 days	554
556	**Drainage diversion work**	**48 days**	**30/10/2025**	**24/12/2025**	**08/01/2026**	**07/03/2026**	**57 days**	
557	drain diversion for backfilling to existing stream	48 days	30/10/2025	24/12/2025	08/01/2026	07/03/2026	57 days	555,534
558	**Ground improvement work**	**142 days**	**22/09/2025**	**16/03/2026**	**13/09/2025**	**07/03/2026**	**-7 days**	
559	surcharge filling - 3m height	24 days	22/09/2025	21/10/2025	13/09/2025	13/10/2025	-7 days	554
560	ground improvement work	100 days	22/10/2025	23/02/2026	14/10/2025	11/02/2026	-7 days	559
561	removal surcharge	18 days	24/02/2026	16/03/2026	12/02/2026	07/03/2026	-7 days	560
562	**surface channel and site formation work**	**148 days**	**30/10/2025**	**30/04/2026**	**08/12/2025**	**22/04/2026**	**33 days**	
563	Earth Filling up to +15.00 with SRTtesting (except ground improvement area)	36 days	30/10/2025	10/12/2025	08/12/2025	21/01/2026	33 days	555,528,529,582,583
564	Earth Filling up to +17.00 with SRTtesting	36 days	11/12/2025	24/01/2026	22/01/2026	07/03/2026	33 days	563
565	Earth Filling up to +20.00 and ground improvement part with SRTtesting	36 days	17/03/2026	30/04/2026	09/03/2026	22/04/2026	-7 days	564,558,557
566	Surrounding surface channel	72 days	11/12/2025	11/03/2026	22/01/2026	22/04/2026	33 days	563
567	**Completion of Section 6 of the works**	**0 days**	**22/04/2026**	**22/04/2026**	**22/04/2026**	**22/04/2026**	**-7 days**	**562,32FF**
568								
569	**9. Section 7 of the works (Part G1B and G1C of the Site and complete the drainage diversion for the backfilling of existing channel / stream within G1B and G1C of the Site) - 967D**	**911 days**	**07/06/2024**	**29/06/2027**	**09/07/2024**	**29/06/2027**	**25 days**	
570	Site possession	0 days	08/01/2025	08/01/2025	09/12/2024	09/12/2024	-24 days	24
571	Coordination/Liaison with nearby stakeholders by caring team visit	136 days	24/06/2024	03/12/2024	14/02/2025	30/07/2025	192 days	69
572	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**90 days**	**09/01/2025**	**30/04/2025**	**31/12/2024**	**22/04/2025**	**-7 days**	
573	Asbestos Inspection for clarification of ACM existence	6 days	09/01/2025	15/01/2025	31/12/2024	07/01/2025	-7 days	570
574	Submission of asbestos material containing survey report	18 days	16/01/2025	08/02/2025	08/01/2025	28/01/2025	-7 days	573
575	Notification to EPD for asbestos removal works	24 days	10/02/2025	08/03/2025	01/02/2025	28/02/2025	-7 days	574
576	Approval from EPD for the removal works	6 days	10/03/2025	15/03/2025	01/03/2025	07/03/2025	-7 days	575
577	Removal of asbestos material	18 days	17/03/2025	07/04/2025	08/03/2025	28/03/2025	-7 days	576
578	Demolition and site clearance for asbestos containing structure	18 days	08/04/2025	30/04/2025	29/03/2025	22/04/2025	-7 days	577
579	**Tree Survey, TPRP and Tree Felling**	**216 days**	**07/06/2024**	**26/02/2025**	**20/03/2025**	**06/12/2025**	**234 days**	
580	Tree survey and submission (for individual tree and tree group)	48 days	07/06/2024	03/08/2024	20/03/2025	20/05/2025	234 days	18
581	Submission of TPRP and approval (for tree group)	150 days	05/08/2024	05/02/2025	21/05/2025	15/11/2025	234 days	580
582	Tree felling (for individual trees)	18 days	05/11/2024	25/11/2024	25/10/2025	15/11/2025	290 days	580,17
583	Tree felling (for tree group)	18 days	06/02/2025	26/02/2025	17/11/2025	06/12/2025	234 days	581,582
584	**UU Detection / Liaison / Decommission and Site Clearance**	**114 days**	**09/01/2025**	**30/05/2025**	**27/01/2025**	**09/10/2025**	**15 days**	
585	UU Detection on Site	18 days	09/01/2025	01/02/2025	27/01/2025	19/02/2025	15 days	570
586	Liaison with UU for decommissioning	24 days	03/02/2025	01/03/2025	20/02/2025	19/03/2025	15 days	516,585
587	decommissioning of existing services by UU/Contractor	12 days	03/03/2025	15/03/2025	20/03/2025	02/04/2025	15 days	586
588	General site clearance / demolition work	60 days	17/03/2025	30/05/2025	31/07/2025	09/10/2025	110 days	587,571
589	**ground investigation in Part G1B (1 no. BH and 1 no. T/P) and Lab. Testing/reporting - (KD4 : 04 Mar 2025)**	**44 days**	**09/01/2025**	**04/03/2025**	**09/12/2024**	**04/03/2025**	**-24 days**	
590	Forming site access for GI works	7 days	09/01/2025	16/01/2025	09/12/2024	16/12/2024	-24 days	570SS
591	Mobilization of drilling rig	1 day	17/01/2025	17/01/2025	17/12/2024	17/12/2024	-24 days	590
592	Site Works 1 Nos. (GI plant No.1 - assume 5 days works including mobilization for 1 holes	5 days	18/01/2025	23/01/2025	18/12/2024	23/12/2024	-24 days	591
593	Issuance of preliminary log	1 day	05/02/2025	05/02/2025	13/01/2025	13/01/2025	-17 days	592SS+12 days
594	Engineer instruction for testing	1 day	17/02/2025	17/02/2025	24/01/2025	24/01/2025	-17 days	593SS+10 days
595	Trial Pit Team A - assume 6 days for 1 pit excluding backfilling	6 days	05/02/2025	11/02/2025	16/01/2025	22/01/2025	-14 days	544
596	Backfilling of trial pit (compaction verified by probing)	2 days	12/02/2025	13/02/2025	23/01/2025	24/01/2025	-14 days	595
597	Lab testing and reporting	30 days	25/01/2025	04/03/2025	25/01/2025	04/03/2025	-51 days	592SS+30 days,594,
598	**Land Contamination Assessment / Treatment**	**401 days**	**07/06/2024**	**09/10/2025**	**09/07/2024**	**09/10/2025**	**25 days**	
599	site appraisal	48 days	07/06/2024	03/08/2024	09/07/2024	02/09/2024	25 days	18
600	prepare Contamination Assessment Plan	120 days	05/08/2024	27/12/2024	03/09/2024	27/01/2025	25 days	599
601	submission / approval	36 days	28/12/2024	12/02/2025	28/01/2025	13/03/2025	25 days	600
602	site investigation by trial pit / testing	24 days	14/03/2025	11/04/2025	14/03/2025	11/04/2025	0 days	601,551
603	Test Reporting by SI	18 days	12/04/2025	07/05/2025	12/04/2025	07/05/2025	0 days	602
604	preparation / submission / approval of CAR	28 days	08/05/2025	10/06/2025	08/05/2025	10/06/2025	0 days	603
605	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	11/06/2025	03/09/2025	11/06/2025	03/09/2025	0 days	604
606	submission of remediation report	30 days	04/09/2025	09/10/2025	04/09/2025	09/10/2025	0 days	605
607	**Drainage diversion work**	**458 days**	**10/10/2025**	**26/04/2027**	**10/10/2025**	**26/04/2027**	**0 days**	
608	**From Manhole SMH45A to SMH45B (25m long)**	**63 days**	**10/10/2025**	**23/12/2025**	**10/10/2025**	**23/12/2025**	**0 days**	
609	Excavation, pipe laying and backfilling	48 days	10/10/2025	05/12/2025	10/10/2025	05/12/2025	0 days	588,606
610	Construction of manhole	15 days	06/12/2025	23/12/2025	06/12/2025	23/12/2025	0 days	609
611	**From Manhole SMH45B to SMH45C (56m long)**	**69 days**	**24/12/2025**	**20/03/2026**	**24/12/2025**	**20/03/2026**	**0 days**	
612	Excavation, pipe laying and backfilling	54 days	24/12/2025	03/03/2026	24/12/2025	03/03/2026	0 days	610
613	Construction of manhole	15 days	04/03/2026	20/03/2026	04/03/2026	20/03/2026	0 days	612
614	**From Manhole SMH45C to SMH45D (80m long)**	**83 days**	**21/03/2026**	**02/07/2026**	**21/03/2026**	**02/07/2026**	**0 days**	
615	Excavation, pipe laying and backfilling	68 days	21/03/2026	12/06/2026	21/03/2026	12/06/2026	0 days	613
616	Construction of manhole	15 days	13/06/2026	02/07/2026	13/06/2026	02/07/2026	0 days	615
617	**From Manhole SMH45D to SMH45E (78m long)**	**77 days**	**03/07/2026**	**02/10/2026**	**03/07/2026**	**02/10/2026**	**0 days**	
618	Excavation, pipe laying and backfilling	62 days	03/07/2026	12/09/2026	03/07/2026	12/09/2026	0 days	616
619	Construction of manhole	15 days	14/09/2026	02/10/2026	14/09/2026	02/10/2026	0 days	618
620	**From Manhole SMH45E to SMH45F (10m long)**	**43 days**	**03/10/2026**	**23/11/2026**	**03/10/2026**	**23/11/2026**	**0 days**	
621	Excavation, pipe laying and backfilling	28 days	03/10/2026	05/11/2026	03/10/2026	05/11/2026	0 days	619
622	Construction of manhole	15 days	06/11/2026	23/11/2026	06/11/2026	23/11/2026	0 days	621
623	**From Manhole SMH45F to OF11B (90m long)**	**105 days**	**24/11/2026**	**05/04/2027**	**24/11/2026**	**05/04/2027**	**0 days**	
624	Excavation	36 days	24/11/2026	07/01/2027	24/11/2026	07/01/2027	0 days	622
625	Pipe laying	15 days	08/01/2027	25/01/2027	08/01/2027	25/01/2027	0 days	624
626	backfilling	36 days	26/01/2027	11/03/2027	26/01/2027	11/03/2027	0 days	625
627	Construction of manhole	18 days	12/03/2027	05/04/2027	12/03/2027	05/04/2027	0 days	626
628	**From CP 11.02 to OF11B (10m long)**	**18 days**	**06/04/2027**	**26/04/2027**	**06/04/2027**	**26/04/2027**	**0 days**	
629	Excavation, pipe laying and backfilling	18 days	06/04/2027	26/04/2027	06/04/2027	26/04/2027	0 days	627
630	**surface channel and site formation work**	**52 days**	**27/04/2027**	**29/06/2027**	**27/04/2027**	**29/06/2027**	**0 days**	
631	Site Formation Works	24 days	27/04/2027	26/05/2027	27/04/2027	26/05/2027	0 days	628
632	Surface channel 450UC	14 days	27/05/2027	12/06/2027	27/05/2027	12/06/2027	0 days	631
633	Surface channel 450UC	14 days	14/06/2027	29/06/2027	14/06/2027	29/06/2027	0 days	632
634	**Completion of Section 7 of the works**	**0 days**	**29/06/2027**	**29/06/2027**	**29/06/2027**	**29/06/2027**	**0 days**	**630,33FF**

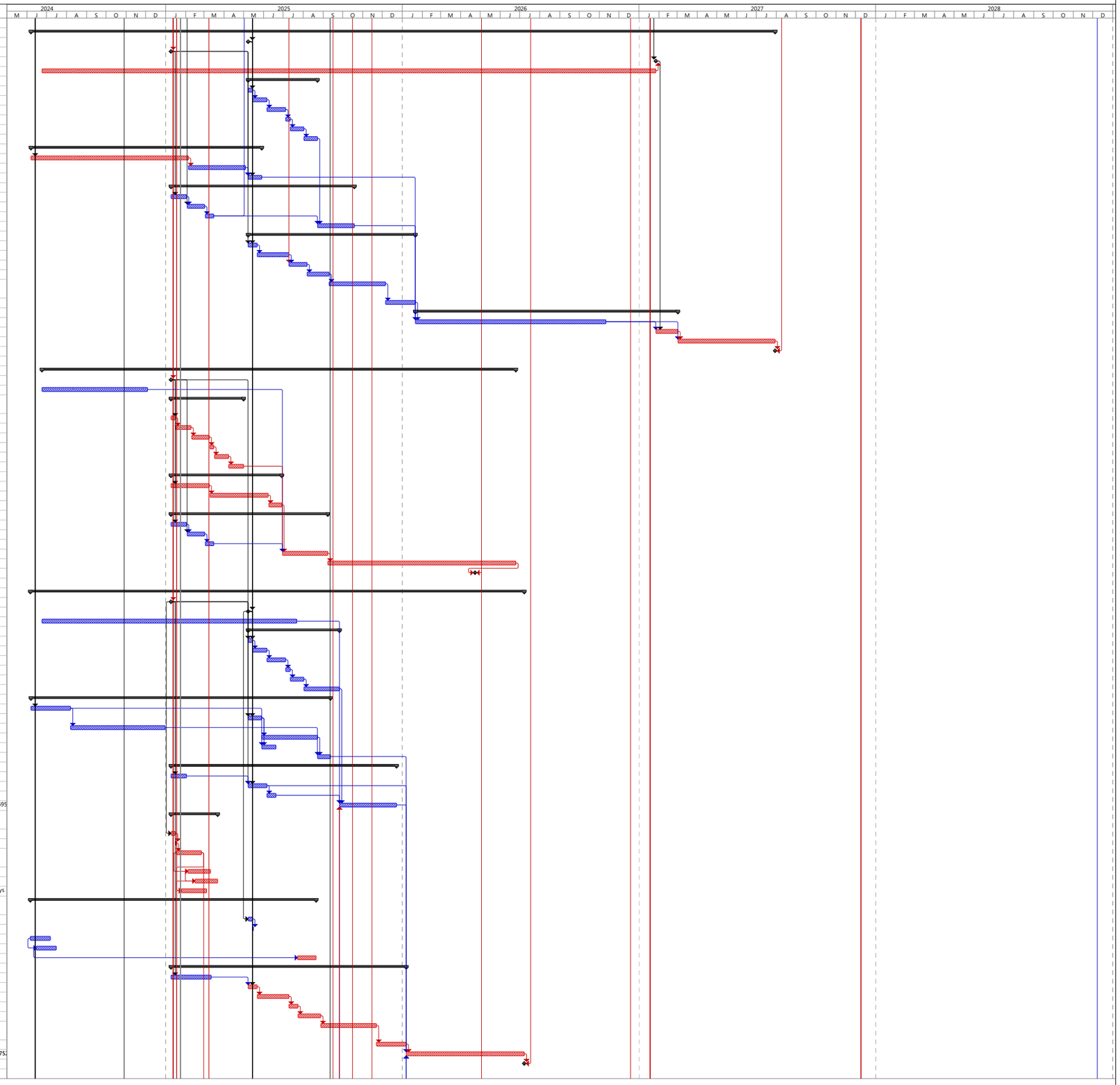


Project : YL/2023/01
Data Date : 05 Jan 2025 (Rev. 7)

Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | Deadline
Critical Task | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | Progress

Contract No. YL/2023/01
Hung Shui Kiu / Ha Tsuen New Development Area
Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works
Programme for the Works (Data Date : 05 Jan 2025)

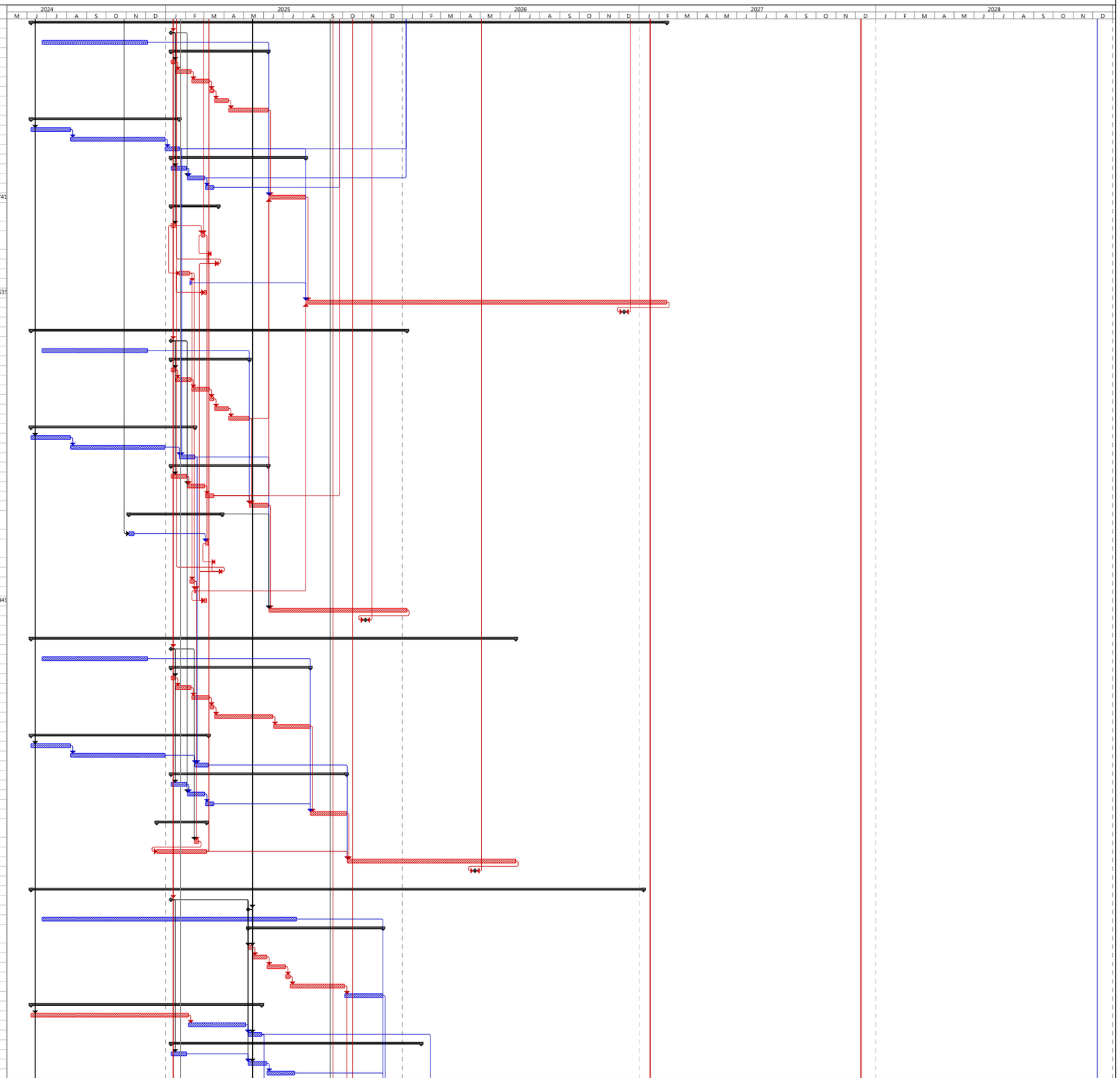
ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
635								
636	**10. Section 8 of the works (Part G2, G3 and G5 of the Site) - 813D**	**936 days**	**07/06/2024**	**29/07/2027**	**07/06/2024**	**29/07/2027**	**0 days**	
637	Site possession of Part G2	0 days	07/05/2025	07/05/2025	23/07/2025	23/07/2025	63 days	16
638	Site possession of Part G3	0 days	08/01/2025	08/01/2025	27/01/2025	27/01/2025	15 days	24
639	Site possession of Part G5	0 days	26/01/2027	26/01/2027	27/01/2027	27/01/2027	0 days	20,640
640	Coordination/Liaison with nearby stakeholders by caring team visit	775 days	24/06/2024	26/01/2027	24/06/2024	26/01/2027	0 days	69
641	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**90 days**	**08/05/2025**	**22/08/2025**	**21/10/2025**	**06/02/2026**	**139 days**	
642	Asbestos Inspection for clarification of ACM existence (For G2)	6 days	08/05/2025	14/05/2025	21/10/2025	27/10/2025	139 days	637
643	Submission of asbestos material containing survey report	18 days	15/05/2025	05/06/2025	28/10/2025	18/11/2025	139 days	642
644	Notification to EPD for asbestos removal works	24 days	06/06/2025	04/07/2025	19/11/2025	16/12/2025	139 days	643
645	Approval from EPD for the removal works	6 days	05/07/2025	11/07/2025	17/12/2025	23/12/2025	139 days	644
646	Removal of asbestos material	18 days	12/07/2025	01/08/2025	24/12/2025	16/01/2026	139 days	645
647	Demolition and site clearance for asbestos containing structure	18 days	02/08/2025	22/08/2025	17/01/2026	06/02/2026	139 days	646
648	**Tree Survey, TPRP and Tree Felling**	**289 days**	**07/06/2024**	**28/05/2025**	**07/06/2024**	**10/04/2026**	**0 days**	
649	Tree survey and submission (for individual tree and tree group)	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
650	Submission of TPRP and approval (for tree group)	72 days	05/02/2025	03/05/2025	17/12/2025	17/03/2026	261 days	649
651	Tree felling (for tree group)	18 days	08/05/2025	28/05/2025	18/03/2026	10/04/2026	259 days	637,638,650
652	**UU Detection / .Liaison / Decommission and Site Clearance**	**232 days**	**09/01/2025**	**18/10/2025**	**27/01/2025**	**10/04/2026**	**15 days**	
653	UU Detection on Site	18 days	09/01/2025	01/02/2025	27/01/2025	19/02/2025	15 days	638
654	Liaison with UU for decommissioning	24 days	03/02/2025	01/03/2025	20/02/2025	19/03/2025	15 days	516,653
655	decommissioning of existing services by UU/Contractor	12 days	03/03/2025	15/03/2025	20/03/2025	02/04/2025	15 days	654
656	General site clearance / demolition work	48 days	23/08/2025	18/10/2025	07/02/2026	10/04/2026	139 days	655,647
657	**Land Contamination Assessment / Treatment**	**214 days**	**08/05/2025**	**20/01/2026**	**23/07/2025**	**10/04/2026**	**63 days**	
658	site appraisal and prepare Contamination Assessment Plan	12 days	08/05/2025	21/05/2025	23/07/2025	05/08/2025	63 days	637,638
659	submission / approval	40 days	22/05/2025	09/07/2025	06/08/2025	19/09/2025	63 days	658
660	site investigation / testing	24 days	10/07/2025	06/08/2025	20/09/2025	20/10/2025	63 days	659,602
661	preparation / submission / approval of CAR	30 days	07/08/2025	09/09/2025	21/10/2025	25/11/2025	63 days	660
662	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	10/09/2025	05/12/2025	26/11/2025	24/02/2026	63 days	661
663	submission of remediation report	36 days	06/12/2025	20/01/2026	25/02/2026	10/04/2026	63 days	662
664	**Drainage work**	**329 days**	**21/01/2026**	**01/03/2027**	**11/04/2026**	**01/03/2027**	**63 days**	
665	construction of drainage work in Part G2 and G3 inlet structures	240 days	21/01/2026	10/11/2026	11/04/2026	26/01/2027	63 days	663,656,651
666	construction of drainage work in Part G5 and inlet structure	26 days	27/01/2027	01/03/2027	27/01/2027	01/03/2027	0 days	665,639
667	**surface channel and site formation work**	**122 days**	**02/03/2027**	**29/07/2027**	**02/03/2027**	**29/07/2027**	**0 days**	**666,665**
668	**Completion of Section 8 of the works**	**0 days**	**29/07/2027**	**29/07/2027**	**29/07/2027**	**29/07/2027**	**0 days**	**667,34FF**
669								
670	**11. Section 9 of the works (Part G4 of the Site) - 534D**	**597 days**	**24/06/2024**	**24/06/2026**	**06/11/2024**	**22/04/2026**	**112 days**	
671	Site possession	0 days	08/01/2025	08/01/2025	06/11/2024	06/11/2024	-52 days	24
672	Coordination/Liaison with nearby stakeholders by caring team visit	136 days	24/06/2024	03/12/2024	08/11/2024	25/04/2025	114 days	69
673	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**90 days**	**09/01/2025**	**30/04/2025**	**04/01/2025**	**25/04/2025**	**-4 days**	
674	Asbestos Inspection for clarification of ACM existence	6 days	09/01/2025	15/01/2025	04/01/2025	10/01/2025	-4 days	671
675	Submission of asbestos material containing survey report	18 days	16/01/2025	08/02/2025	11/01/2025	04/02/2025	-4 days	674
676	Notification to EPD for asbestos removal works	24 days	10/02/2025	08/03/2025	05/02/2025	04/03/2025	-4 days	675
677	Approval from EPD for the removal works	6 days	10/03/2025	15/03/2025	05/03/2025	11/03/2025	-4 days	676
678	Removal of asbestos material	18 days	17/03/2025	07/04/2025	12/03/2025	01/04/2025	-4 days	677
679	Demolition and site clearance for asbestos containing structure	18 days	08/04/2025	30/04/2025	02/04/2025	25/04/2025	-4 days	678
680	**Tree Survey, TPRP and Tree Felling**	**138 days**	**09/01/2025**	**28/06/2025**	**06/11/2024**	**25/04/2025**	**-52 days**	
681	Tree survey and submission (for individual tree and tree group)	48 days	09/01/2025	08/03/2025	06/11/2024	03/01/2025	-52 days	671
682	Submission of TPRP and approval (for tree group)	72 days	10/03/2025	07/06/2025	04/01/2025	01/04/2025	-52 days	681
683	Tree felling	18 days	09/06/2025	28/06/2025	02/04/2025	25/04/2025	-52 days	682
684	**UU Detection / .Liaison / Decommission and Site Clearance**	**198 days**	**09/01/2025**	**07/09/2025**	**19/02/2025**	**09/07/2025**	**32 days**	
685	UU Detection on Site	18 days	09/01/2025	01/02/2025	19/02/2025	11/03/2025	32 days	671
686	Liaison with UU for decommissioning	24 days	03/02/2025	01/03/2025	12/03/2025	09/04/2025	32 days	671,685
687	decommissioning of existing services by UU/Contractor	12 days	03/03/2025	15/03/2025	10/04/2025	25/04/2025	32 days	686
688	General site clearance / demolition work	60 days	30/06/2025	07/09/2025	26/04/2025	09/07/2025	-52 days	679,687,683,672
689	surface channel and site formation work	235 days	08/09/2025	24/06/2026	10/07/2025	22/04/2026	-52 days	688
690	**Completion of Section 9 of the works**	**0 days**	**22/04/2026**	**22/04/2026**	**22/04/2026**	**22/04/2026**	**-52 days**	**689,35FF**
691								
692	**12. Section 10 of the works (Part H1 and H2 of the Site) - 610D**	**621 days**	**06/06/2024**	**07/07/2026**	**12/09/2024**	**27/11/2028**	**82 days**	
693	Site possession of Part H1	0 days	08/01/2025	08/01/2025	05/11/2024	05/11/2024	-53 days	24
694	Site possession of Part H2	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
695	Coordination/Liaison with nearby stakeholders by caring team visit	320 days	24/06/2024	21/07/2025	12/09/2024	09/10/2025	68 days	69
696	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**120 days**	**08/05/2025**	**25/09/2025**	**20/05/2025**	**09/10/2025**	**10 days**	
697	Asbestos Inspection for clarification of ACM existence (For Part H1 and H2)	6 days	08/05/2025	14/05/2025	20/05/2025	26/05/2025	10 days	671,694
698	Submission of asbestos material containing survey report	18 days	15/05/2025	05/06/2025	27/05/2025	17/06/2025	10 days	697
699	Notification to EPD for asbestos removal works	24 days	06/06/2025	04/07/2025	18/06/2025	16/07/2025	10 days	698
700	Approval from EPD for the removal works	6 days	05/07/2025	11/07/2025	17/07/2025	23/07/2025	10 days	699
701	Removal of asbestos material	18 days	12/07/2025	01/08/2025	24/07/2025	13/08/2025	10 days	700
702	Demolition and site clearance for asbestos containing structure	48 days	02/08/2025	25/09/2025	14/08/2025	09/10/2025	10 days	701
703	**Tree Survey, TPRP and Tree Felling**	**379 days**	**07/06/2024**	**11/09/2025**	**24/05/2025**	**27/11/2028**	**285 days**	
704	Tree survey and submission (For Part H1)	50 days	07/06/2024	06/08/2024	24/05/2025	23/07/2025	285 days	18
705	Tree survey and submission (For Part H2)	18 days	08/05/2025	28/05/2025	28/08/2025	16/09/2025	94 days	693,694
706	Submission of TPRP and approval (For Part H1)	120 days	07/08/2024	30/12/2024	24/07/2025	12/12/2025	285 days	704
707	Submission of TPRP and approval (For Part H2)	72 days	29/05/2025	22/08/2025	17/09/2025	12/12/2025	94 days	705
708	Tree felling (for individual trees)	18 days	29/05/2025	19/06/2025	07/11/2028	27/11/2028	1038 days	704,705
709	Tree felling (for tree group)	18 days	23/08/2025	11/09/2025	13/12/2025	06/01/2026	94 days	706,707
710	**UU Detection / .Liaison / Decommission and Site Clearance**	**286 days**	**09/01/2025**	**22/12/2025**	**07/08/2025**	**06/01/2026**	**170 days**	
711	UU Detection on Site	18 days	09/01/2025	01/02/2025	07/08/2025	27/08/2025	170 days	693
712	Liaison with UU for decommissioning	24 days	08/05/2025	05/06/2025	28/08/2025	23/09/2025	94 days	693,694,711
713	decommissioning of existing services by UU/Contractor	12 days	06/06/2025	19/06/2025	24/09/2025	09/10/2025	94 days	712
714	General site clearance / demolition work	72 days	26/09/2025	22/12/2025	10/10/2025	06/01/2026	10 days	713,702,756,786,695
715	**ground investigation for EMSD (6 nos. of BH) and Lab. Testing/reporting - (KD6 Part H1 : 04 Mar 2025)**	**59 days**	**09/01/2025**	**21/03/2025**	**05/11/2024**	**04/03/2025**	**-53 days**	
716	Forming site access for GI works	6 days	09/01/2025	15/01/2025	05/11/2024	11/11/2024	-53 days	693SS
717	Mobilization of drilling rig	1 day	16/01/2025	16/01/2025	12/11/2024	12/11/2024	-53 days	716
718	Site Works 6 Nos. (GI plant No.2 - assume 5 days works including mobilization for 1 holes	30 days	17/01/2025	24/02/2025	13/11/2024	17/12/2024	-53 days	717
719	Issuance of preliminary log	30 days	04/02/2025	10/03/2025	06/12/2024	13/01/2025	-45 days	718SS+12 days
720	Engineer instruction for testing	30 days	15/02/2025	21/03/2025	18/12/2024	24/01/2025	-45 days	719SS+10 days
721	Lab testing and reporting	30 days	25/01/2025	04/03/2025	25/01/2025	04/03/2025	-45 days	718,720SS+30 days
722	**ground investigation (5 nos. of BH) and Lab. Testing/reporting - (KD5 Part H2 : 20 Aug 2025)**	**360 days**	**06/06/2024**	**20/08/2025**	**09/06/2025**	**27/11/2028**	**298 days**	
723	Forming site access for GI works	6 days	08/05/2025	14/05/2025	20/11/2028	25/11/2028	1067 days	694SS
724	Mobilization of Plant	1 day	15/05/2025	15/05/2025	27/11/2028	27/11/2028	1067 days	723
725	Issuance of preliminary log	25 days	06/06/2024	06/07/2024	09/06/2025	08/07/2025	298 days	
726	Engineer instruction for testing	25 days	15/06/2024	15/07/2024	17/06/2025	16/07/2025	298 days	725SS+7 days
727	Lab testing and reporting	25 days	23/07/2025	20/08/2025	23/07/2025	20/08/2025	0 days	726SS+30 days
728	**Land Contamination Assessment / Treatment**	**296 days**	**09/01/2025**	**06/01/2026**	**05/03/2025**	**06/01/2026**	**44 days**	
729	site appraisal (For Part H1)	50 days	09/01/2025	11/03/2025	05/03/2025	07/05/2025	44 days	693
730	site appraisal and prepare Contamination Assessment Plan	12 days	08/05/2025	21/05/2025	08/05/2025	21/05/2025	0 days	694,729
731	submission / approval	40 days	22/05/2025	09/07/2025	22/05/2025	09/07/2025	0 days	730
732	site investigation / testing	12 days	10/07/2025	23/07/2025	10/07/2025	23/07/2025	0 days	731
733	preparation / submission / approval of CAR	30 days	24/07/2025	27/08/2025	24/07/2025	27/08/2025	0 days	732
734	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	28/08/2025	21/11/2025	28/08/2025	21/11/2025	0 days	733
735	submission of remediation report	36 days	22/11/2025	06/01/2026	22/11/2025	06/01/2026	0 days	734
736	**surface channel and site formation work**	**147 days**	**07/01/2026**	**07/07/2026**	**07/01/2026**	**07/07/2026**	**0 days**	**735,714,709,712,752**
737	**Completion of Section 10 of the works**	**0 days**	**07/07/2026**	**07/07/2026**	**07/07/2026**	**07/07/2026**	**0 days**	**736,36FF**
738								



Project : YL/2023/01
Data Date : 05 Jan 2025 (Rev. 7)

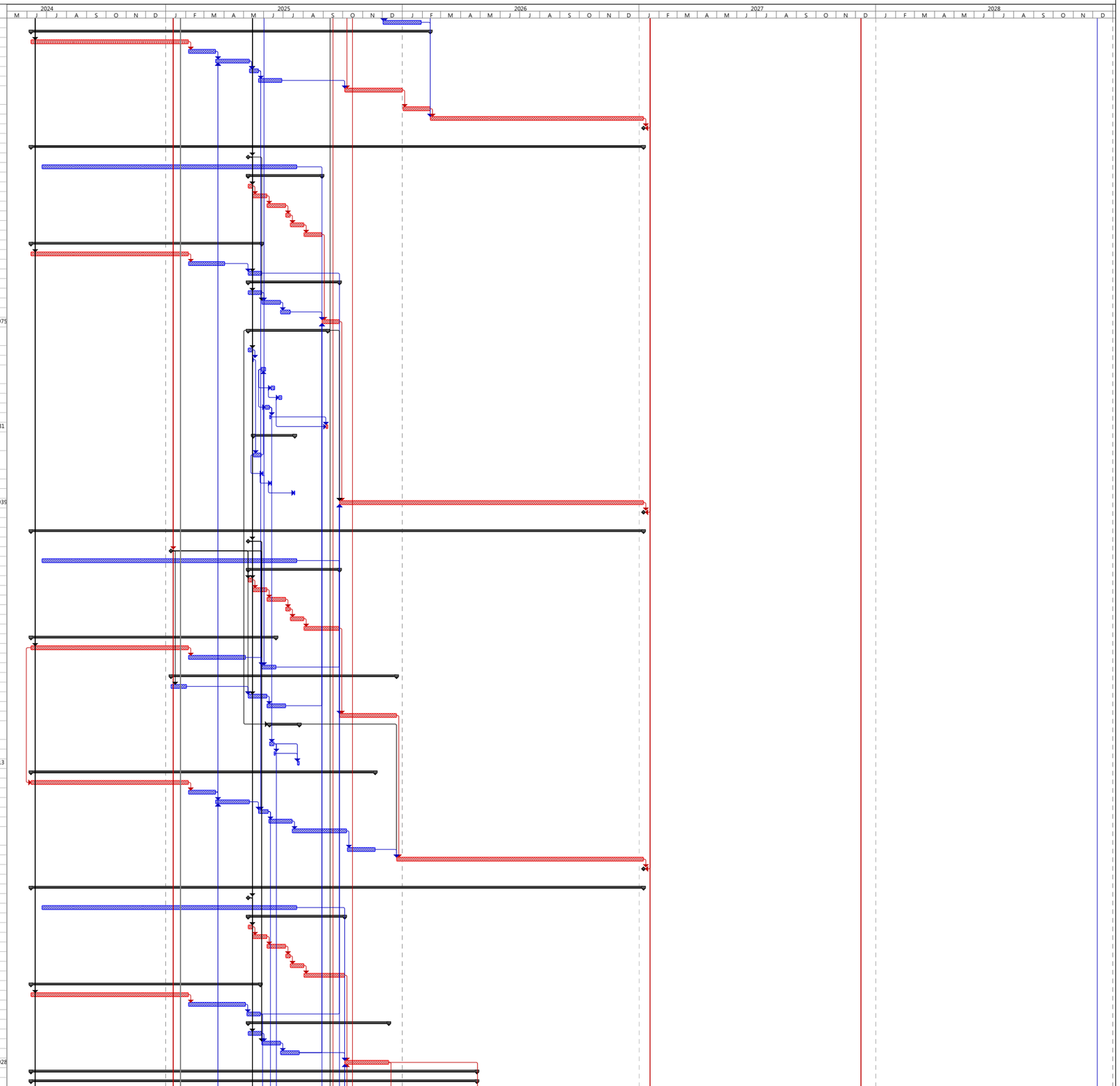
Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | Deadline
Critical Task | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | Progress

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
739	**13. Section 11 of the works (Part J of the Site) - 764D**	**800 days**	**07/06/2024**	**12/02/2027**	**25/07/2024**	**08/12/2026**	**39 days**	
740	Site possession	0 days	08/01/2025	08/01/2025	07/11/2024	07/11/2024	-51 days	24
741	Coordination/Liaison with nearby stakeholders by caring team visit	136 days	24/06/2024	03/12/2024	19/10/2024	02/04/2025	97 days	69
742	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**120 days**	**09/01/2025**	**07/06/2025**	**07/11/2024**	**02/04/2025**	**-51 days**	
743	Asbestos Inspection for clarification of ACM existence	6 days	09/01/2025	15/01/2025	07/11/2024	13/11/2024	-51 days	740
744	Submission of asbestos material containing survey report	18 days	16/01/2025	08/02/2025	14/11/2024	04/12/2024	-51 days	743
745	Notification to EPD for asbestos removal works	24 days	10/02/2025	08/03/2025	05/12/2024	04/01/2025	-51 days	744
746	Approval from EPD for the removal works	6 days	10/03/2025	15/03/2025	06/01/2025	11/01/2025	-51 days	745
747	Removal of asbestos material	18 days	17/03/2025	07/04/2025	13/01/2025	05/02/2025	-51 days	746
748	Demolition and site clearance for asbestos containing structure	48 days	08/04/2025	07/06/2025	06/02/2025	02/04/2025	-51 days	747
749	**Tree Survey, TPRP and Tree Felling**	**188 days**	**07/06/2024**	**21/01/2025**	**25/07/2024**	**11/03/2025**	**39 days**	
750	Tree survey and submission	50 days	07/06/2024	06/08/2024	25/07/2024	21/09/2024	39 days	18
751	Submission of TPRP and approval (For Tree Group)	120 days	07/08/2024	30/12/2024	23/09/2024	18/02/2025	39 days	750
752	Tree felling (for tree group and individual tree)	18 days	31/12/2024	21/01/2025	19/02/2025	11/03/2025	39 days	751
753	**UU Detection / :Liaison / Decommission and Site Clearance**	**168 days**	**09/01/2025**	**04/08/2025**	**27/01/2025**	**04/06/2025**	**15 days**	
754	UU Detection on Site	18 days	09/01/2025	01/02/2025	27/01/2025	19/02/2025	15 days	740
755	Liaison with UU for decommissioning	24 days	03/02/2025	01/03/2025	20/02/2025	19/03/2025	15 days	740,754
756	decommissioning of existing services by UU/Contractor	12 days	03/03/2025	15/03/2025	20/03/2025	02/04/2025	15 days	755
757	General site clearance / demolition work	48 days	09/06/2025	04/08/2025	03/04/2025	04/06/2025	-51 days	756,748,778,786,741
758	**ground investigation (1 no. BH and 2 nos. T/P) and Lab. Testing/reporting - (KD4 - 04 Mar 2025)**	**60 days**	**09/01/2025**	**22/03/2025**	**08/11/2024**	**04/06/2025**	**-50 days**	
759	Forming site access for GI works	6 days	09/01/2025	15/01/2025	08/11/2024	14/11/2024	-50 days	740
760	Site Works 1 Nos. (GI plant No.2 - assume 5 days works including mobilization for 1 holes	5 days	25/02/2025	01/03/2025	18/12/2024	23/12/2024	-53 days	759,718
761	Issuance of preliminary log	1 day	11/03/2025	11/03/2025	10/01/2025	10/01/2025	-48 days	760SS+12 days
762	Engineer instruction for testing	1 day	22/03/2025	22/03/2025	22/01/2025	22/01/2025	-48 days	761SS+10 days
763	Trial Pit Team A2 - assume 6 days for 1 pit excluding backfilling	12 days	21/01/2025	06/02/2025	20/11/2024	03/12/2024	-50 days	759SS+10 days
764	Backfilling of trial pit (compaction verified by probing)	2 days	07/02/2025	08/02/2025	03/06/2025	04/06/2025	93 days	763
765	Lab testing and reporting	3 days	01/03/2025	04/03/2025	01/03/2025	04/03/2025	-53 days	762SS+30 days,763S
766	surface channel and site formation work	455 days	05/08/2025	12/02/2027	05/06/2025	08/12/2026	-51 days	752,757,764,794
767	**Completion of Section 11 of the works**	**0 days**	**08/12/2026**	**08/12/2026**	**08/12/2026**	**08/12/2026**	**-51 days**	**766,37FF**
768								
769	**14. Section 12 of the works (Part K1 of the Site) - 365D**	**474 days**	**07/06/2024**	**07/01/2026**	**15/08/2024**	**04/11/2025**	**57 days**	
770	Site possession	0 days	08/01/2025	08/01/2025	06/11/2024	06/11/2024	-52 days	24
771	Coordination/Liaison with nearby stakeholders by caring team visit	136 days	24/06/2024	03/12/2024	17/09/2024	04/03/2025	72 days	69
772	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**96 days**	**09/01/2025**	**09/05/2025**	**06/11/2024**	**04/03/2025**	**-52 days**	
773	Asbestos Inspection for clarification of ACM existence	6 days	09/01/2025	15/01/2025	06/11/2024	12/11/2024	-52 days	770
774	Submission of asbestos material containing survey report	18 days	16/01/2025	08/02/2025	13/11/2024	03/12/2024	-52 days	773
775	Notification to EPD for asbestos removal works	24 days	10/02/2025	08/03/2025	04/12/2024	03/01/2025	-52 days	774
776	Approval from EPD for the removal works	6 days	10/03/2025	15/03/2025	04/01/2025	10/01/2025	-52 days	775
777	Removal of asbestos material	18 days	17/03/2025	07/04/2025	11/01/2025	04/02/2025	-52 days	776
778	Demolition and site clearance for asbestos containing structure	24 days	08/04/2025	09/05/2025	05/02/2025	04/03/2025	-52 days	777
779	**Tree Survey, TPRP and Tree Felling**	**206 days**	**07/06/2024**	**14/02/2025**	**15/08/2024**	**01/04/2025**	**57 days**	
780	Tree survey and submission	50 days	07/06/2024	06/08/2024	15/08/2024	15/10/2024	57 days	18
781	Submission of TPRP and approval (For Tree Group)	120 days	07/08/2024	30/12/2024	16/10/2024	11/03/2025	57 days	780
782	Tree felling (for tree group and individual tree)	18 days	22/01/2025	14/02/2025	12/03/2025	01/04/2025	39 days	781,752
783	**UU Detection / :Liaison / Decommission and Site Clearance**	**120 days**	**09/01/2025**	**07/06/2025**	**27/12/2024**	**01/04/2025**	**-10 days**	
784	UU Detection on Site	18 days	09/01/2025	01/02/2025	27/12/2024	17/01/2025	-10 days	770
785	Liaison with UU for decommissioning	24 days	03/02/2025	01/03/2025	18/01/2025	18/02/2025	-10 days	770,784
786	decommissioning of existing services by UU/Contractor	12 days	03/03/2025	15/03/2025	19/02/2025	04/03/2025	-10 days	785
787	General site clearance / demolition work	24 days	10/05/2025	07/06/2025	05/03/2025	01/04/2025	-52 days	786,778,771
788	**ground investigation ((1 no. BH and 1 no. T/P)) and Lab. Testing/reporting - (KD4 : 04 Mar 2025)**	**118 days**	**05/11/2024**	**28/03/2025**	**04/12/2024**	**04/03/2025**	**25 days**	
789	Forming site access for GI works	7 days	05/11/2024	12/11/2024	16/12/2024	23/12/2024	35 days	17SS
790	Site Works 1 Nos. (GI plant No.2 - assume 5 days works including mobilization for 1 holes	5 days	03/03/2025	07/03/2025	24/12/2024	31/12/2024	-53 days	789,760
791	Issuance of preliminary log	1 day	17/03/2025	17/03/2025	10/01/2025	10/01/2025	-53 days	790SS+12 days
792	Engineer instruction for testing	1 day	28/03/2025	28/03/2025	22/01/2025	22/01/2025	-53 days	791SS+10 days
793	Trial Pit Team A2 - assume 6 days for 1 pit including backfilling	6 days	07/02/2025	13/02/2025	04/12/2024	10/12/2024	-50 days	763
794	Backfilling of trial pit (compaction verified by probing)	2 days	14/02/2025	15/02/2025	22/01/2025	23/01/2025	-17 days	763,793
795	Lab testing and reporting	3 days	01/03/2025	04/03/2025	01/03/2025	04/03/2025	-53 days	792SS+30 days,794S
796	surface channel and site formation work	177 days	09/06/2025	07/01/2026	02/04/2025	04/11/2025	-52 days	787,788,782
797	**Completion of Section 12 of the works**	**0 days**	**04/11/2025**	**04/11/2025**	**04/11/2025**	**04/11/2025**	**-52 days**	**796,38FF**
798								
799	**15. Section 13 of the works (Part L1 of the Site) - 534D**	**610 days**	**07/06/2024**	**24/06/2026**	**06/11/2024**	**22/04/2026**	**125 days**	
800	Site possession	0 days	08/01/2025	08/01/2025	06/11/2024	06/11/2024	-52 days	24
801	Coordination/Liaison with nearby stakeholders by caring team visit	136 days	24/06/2024	03/12/2024	20/12/2024	10/06/2025	150 days	69
802	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**174 days**	**09/01/2025**	**11/08/2025**	**06/11/2024**	**10/06/2025**	**-52 days**	
803	Asbestos Inspection for clarification of ACM existence	6 days	09/01/2025	15/01/2025	06/11/2024	12/11/2024	-52 days	800
804	Submission of asbestos material containing survey report	18 days	16/01/2025	08/02/2025	13/11/2024	03/12/2024	-52 days	803
805	Notification to EPD for asbestos removal works	24 days	10/02/2025	08/03/2025	04/12/2024	03/01/2025	-52 days	804
806	Approval from EPD for the removal works	6 days	10/03/2025	15/03/2025	04/01/2025	10/01/2025	-52 days	805
807	Removal of asbestos material	72 days	17/03/2025	14/06/2025	11/01/2025	09/04/2025	-52 days	806
808	Demolition and site clearance for asbestos containing structure	48 days	16/06/2025	11/08/2025	10/04/2025	10/06/2025	-52 days	807
809	**Tree Survey, TPRP and Tree Felling**	**224 days**	**07/06/2024**	**07/03/2025**	**16/12/2024**	**06/08/2025**	**159 days**	
810	Tree survey and submission	50 days	07/06/2024	06/08/2024	16/12/2024	18/02/2025	159 days	18
811	Submission of TPRP and approval (For Tree Group)	120 days	07/08/2024	30/12/2024	19/02/2025	16/07/2025	159 days	810
812	Tree felling (for tree group and individual tree)	18 days	15/02/2025	07/03/2025	17/07/2025	06/08/2025	123 days	811,782
813	**UU Detection / :Liaison / Decommission and Site Clearance**	**222 days**	**09/01/2025**	**06/10/2025**	**02/04/2025**	**06/08/2025**	**68 days**	
814	UU Detection on Site	18 days	09/01/2025	01/02/2025	02/04/2025	25/04/2025	68 days	800
815	Liaison with UU for decommissioning	24 days	03/02/2025	01/03/2025	26/04/2025	26/05/2025	68 days	770,814
816	decommissioning of existing services by UU/Contractor	12 days	03/03/2025	15/03/2025	27/05/2025	10/06/2025	68 days	815
817	General site clearance / demolition work	48 days	12/08/2025	06/10/2025	11/06/2025	06/08/2025	-52 days	816,808,801
818	**Ground Investigation (1 no. T/P) and Lab. Testing/reporting - (KD4 : 04 Mar 2025)**	**60 days**	**18/12/2024**	**04/03/2025**	**11/12/2024**	**04/03/2025**	**-6 days**	
819	Trial Pit Team A2 - assume 6 days for 1 pit including backfilling	6 days	14/02/2025	20/02/2025	11/12/2024	17/12/2024	-50 days	793,800
820	Lab testing and reporting	60 days	18/12/2024	04/03/2025	18/12/2024	04/03/2025	-50 days	819
821	**surface channel and site formation work**	**211 days**	**08/10/2025**	**24/06/2026**	**07/08/2025**	**22/04/2026**	**-52 days**	**817,820,812**
822	**Completion of Section 13 of the works**	**0 days**	**22/04/2026**	**22/04/2026**	**22/04/2026**	**22/04/2026**	**-52 days**	**821,39FF**
823								
824	**16. Section 14 of the works (Part M and R2 of the Site) - 610D**	**772 days**	**07/06/2024**	**07/01/2027**	**07/06/2024**	**07/01/2027**	**0 days**	
825	Site possession of Part R2	0 days	08/01/2025	08/01/2025	08/05/2025	08/05/2025	94 days	24
826	Site possession of Part M	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
827	Coordination/Liaison with nearby stakeholders by caring team visit	320 days	24/06/2024	21/07/2025	20/11/2024	15/12/2025	124 days	69
828	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**174 days**	**08/05/2025**	**01/12/2025**	**08/05/2025**	**15/12/2025**	**0 days**	
829	Asbestos Inspection for clarification of ACM existence	6 days	08/05/2025	14/05/2025	08/05/2025	14/05/2025	0 days	825,826
830	Submission of asbestos material containing survey report	18 days	15/05/2025	05/06/2025	15/05/2025	05/06/2025	0 days	829
831	Notification to EPD for asbestos removal works	24 days	06/06/2025	04/07/2025	06/06/2025	04/07/2025	0 days	830
832	Approval from EPD for the removal works	6 days	05/07/2025	11/07/2025	05/07/2025	11/07/2025	0 days	831
833	Removal of asbestos material	72 days	12/07/2025	03/10/2025	12/07/2025	03/10/2025	0 days	832
834	Demolition and site clearance for asbestos containing structure	48 days	04/10/2025	01/12/2025	20/10/2025	15/12/2025	12 days	833
835	**Tree Survey, TPRP and Tree Felling**	**289 days**	**07/06/2024**	**28/05/2025**	**07/06/2024**	**05/09/2025**	**0 days**	
836	Tree survey and submission	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
837	Submission of TPRP and approval (For Tree Group)	72 days	05/02/2025	03/05/2025	22/05/2025	15/08/2025	86 days	836
838	Tree felling (for tree group and individual tree)	18 days	08/05/2025	28/05/2025	16/08/2025	05/09/2025	84 days	837,825,826
839	**UU Detection / :Liaison / Decommission and Site Clearance**	**316 days**	**09/01/2025**	**29/01/2026**	**12/09/2025**	**12/02/2026**	**202 days**	
840	UU Detection on Site	18 days	09/01/2025	01/02/2025	12/09/2025	03/10/2025	202 days	825
841	Liaison with UU for decommissioning	24 days	08/05/2025	05/06/2025	04/10/2025	03/11/2025	126 days	825,826,840
842	decommissioning of existing services by UU/Contractor	36 days	06/06/2025	18/07/2025	04/11/2025	15/12/2025	126 days	841



Contract No. YL/2023/01
Hung Shui Kiu / Ha Tsuen New Development Area
Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works
Programme for the Works (Data Date : 05 Jan 2025)

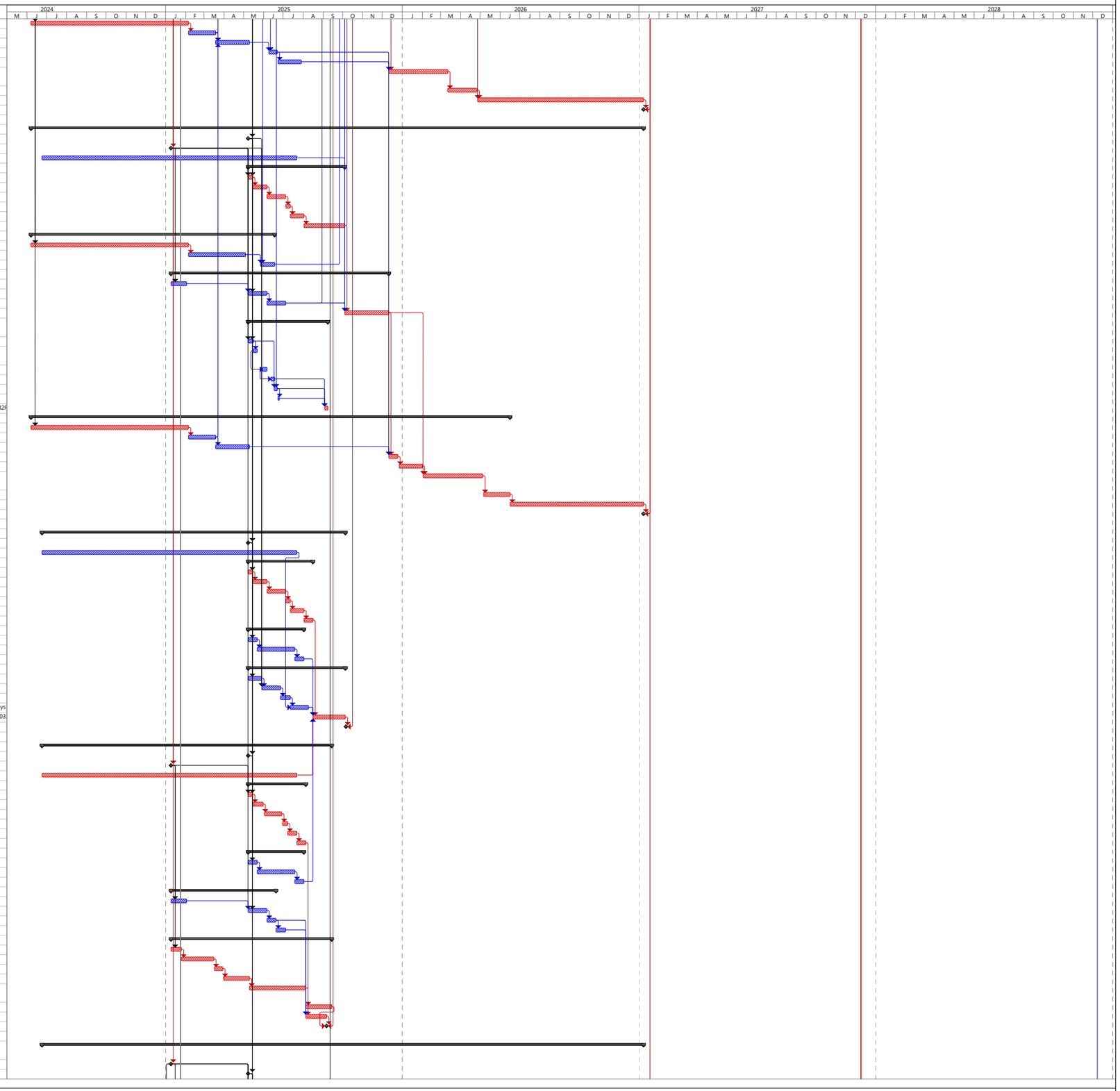
ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
843	General site clearance / demolition work	48 days	02/12/2025	29/01/2026	16/12/2025	12/02/2026	12 days	842,834,827
844	**Land Contamination Assessment / Treatment**	**505 days**	**07/06/2024**	**12/02/2026**	**07/06/2024**	**12/02/2026**	**0 days**	
845	site appraisal	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
846	Prepare of Contamination Assessment Plan	36 days	05/02/2025	18/03/2025	10/03/2025	23/04/2025	28 days	845
847	submission / approval	40 days	19/03/2025	09/05/2025	24/04/2025	12/06/2025	28 days	846,917,948,987
848	site investigation / testing	12 days	10/05/2025	23/05/2025	13/06/2025	26/06/2025	28 days	847,826
849	preparation / submission / approval of CAR	30 days	24/05/2025	28/06/2025	30/08/2025	03/10/2025	82 days	848
850	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	04/10/2025	31/12/2025	04/10/2025	31/12/2025	0 days	849,833
851	submission of remediation report	36 days	02/01/2026	12/02/2026	02/01/2026	12/02/2026	0 days	850
852	**surface channel and site formation work**	**267 days**	**13/02/2026**	**07/01/2027**	**13/02/2026**	**07/01/2027**	**0 days**	**851,843,838**
853	**Completion of Section 14 of the works**	**0 days**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**0 days**	**852,40FF**
854								
855	**17. Section 15 of the works (Part N of the Site) - 610D**	**772 days**	**07/06/2024**	**07/01/2027**	**07/06/2024**	**07/01/2027**	**0 days**	
856	Site possession	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
857	Coordination/Liaison with nearby stakeholders by caring team visit	320 days	24/06/2024	21/07/2025	03/08/2024	29/08/2025	34 days	69
858	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**96 days**	**08/05/2025**	**29/08/2025**	**08/05/2025**	**29/08/2025**	**0 days**	
859	Asbestos Inspection for clarification of ACM existence	6 days	08/05/2025	14/05/2025	08/05/2025	14/05/2025	0 days	856
860	Submission of asbestos material containing survey report	18 days	15/05/2025	05/06/2025	15/05/2025	05/06/2025	0 days	859
861	Notification to EPD for asbestos removal works	24 days	06/06/2025	04/07/2025	06/06/2025	04/07/2025	0 days	860
862	Approval from EPD for the removal works	6 days	05/07/2025	11/07/2025	05/07/2025	11/07/2025	0 days	861
863	Removal of asbestos material	18 days	12/07/2025	01/08/2025	12/07/2025	01/08/2025	0 days	862
864	Demolition and site clearance for asbestos containing structure	24 days	02/08/2025	29/08/2025	02/08/2025	29/08/2025	0 days	863
865	**Tree Survey, TPRP and Tree Felling**	**289 days**	**07/06/2024**	**28/05/2025**	**07/06/2024**	**25/09/2025**	**0 days**	
866	Tree survey and submission	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
867	Submission of TPRP and approval (For Tree Group)	48 days	05/02/2025	01/04/2025	12/07/2025	05/09/2025	128 days	866
868	Tree felling (for tree group and individual tree)	18 days	08/05/2025	28/05/2025	06/09/2025	25/09/2025	102 days	867,856
869	**UU Detection / .Liaison / Decommission and Site Clearance**	**120 days**	**08/05/2025**	**25/09/2025**	**27/06/2025**	**25/09/2025**	**42 days**	
870	UU Detection on Site	18 days	08/05/2025	28/05/2025	27/06/2025	18/07/2025	42 days	856
871	Liaison with UU for decommissioning	24 days	29/05/2025	26/06/2025	19/07/2025	15/08/2025	42 days	856,870
872	decommissioning of existing services by UU/Contractor	12 days	27/06/2025	11/07/2025	16/08/2025	29/08/2025	42 days	871
873	General site clearance / demolition work	24 days	30/08/2025	25/09/2025	30/08/2025	25/09/2025	0 days	872,864,909,943,975
874	**Ground Investigation (1 no. BH and 1 no. T/P) and Lab. Testing/reporting - (KD3 : 07 Sep 2025)**	**104 days**	**08/05/2025**	**07/09/2025**	**11/06/2025**	**07/09/2025**	**28 days**	
875	Forming site access for GI works	6 days	08/05/2025	14/05/2025	11/06/2025	17/06/2025	28 days	856
876	Mobilization of Plant	1 day	15/05/2025	15/05/2025	18/06/2025	18/06/2025	28 days	875
877	Site Works 1 Nos. (GI plant No.7 - assume 5 days works including mobilization for 1 holes	5 days	28/05/2025	03/06/2025	05/07/2025	10/07/2025	31 days	884
878	Issuance of preliminary log	5 days	12/06/2025	17/06/2025	21/07/2025	25/07/2025	32 days	877SS+12 days
879	Engineer instruction for testing	5 days	24/06/2025	28/06/2025	01/08/2025	06/08/2025	32 days	878SS+10 days
880	Trial Pit Team A3 - assume 6 days for 1 pit including backfilling	6 days	03/06/2025	09/06/2025	10/07/2025	16/07/2025	31 days	877SS+4 days
881	Backfilling of trial pit (compaction verified by probing)	2 days	10/06/2025	11/06/2025	03/09/2025	04/09/2025	72 days	880
882	Lab testing and reporting	3 days	05/09/2025	07/09/2025	05/09/2025	07/09/2025	0 days	879SS+30 days,881
883	**Ground Investigation for EMSD (2 nos. BH) and Lab. Testing/reporting - (KD 5 : 20 Aug 2025)**	**53 days**	**16/05/2025**	**18/07/2025**	**19/06/2025**	**20/08/2025**	**28 days**	
884	Site Works 1 Nos. (GI plant No.7 - assume 5 days works including mobilization for 1 holes	10 days	16/05/2025	27/05/2025	19/06/2025	30/06/2025	28 days	876
885	Issuance of preliminary log	1 day	30/05/2025	30/05/2025	04/07/2025	04/07/2025	28 days	884SS+12 days
886	Engineer instruction for testing	1 day	12/06/2025	12/06/2025	16/07/2025	16/07/2025	28 days	885SS+10 days
887	Lab testing and reporting	1 day	18/07/2025	18/07/2025	20/08/2025	20/08/2025	28 days	886SS+30 days
888	surface channel and site formation work	381 days	26/09/2025	07/01/2027	26/09/2025	07/01/2027	0 days	874,873,868,905,939
889	**Completion of Section 15 of the works**	**0 days**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**0 days**	**888,41FF**
890								
891	**18. Section 16 of the works (Part O and R3 of the Site) - 610D**	**772 days**	**07/06/2024**	**07/01/2027**	**07/06/2024**	**07/01/2027**	**0 days**	
892	Site possession of Part O	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
893	Site possession of Part R3	0 days	08/01/2025	08/01/2025	08/05/2025	08/05/2025	94 days	24
894	Coordination/Liaison with nearby stakeholders by caring team visit	320 days	24/06/2024	21/07/2025	31/08/2024	25/09/2025	58 days	69
895	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**120 days**	**08/05/2025**	**25/09/2025**	**08/05/2025**	**25/09/2025**	**0 days**	
896	Asbestos Inspection for clarification of ACM existence	6 days	08/05/2025	14/05/2025	08/05/2025	14/05/2025	0 days	892,893
897	Submission of asbestos material containing survey report	18 days	15/05/2025	05/06/2025	15/05/2025	05/06/2025	0 days	896
898	Notification to EPD for asbestos removal works	24 days	06/06/2025	04/07/2025	06/06/2025	04/07/2025	0 days	897
899	Approval from EPD for the removal works	6 days	05/07/2025	11/07/2025	05/07/2025	11/07/2025	0 days	898
900	Removal of asbestos material	18 days	12/07/2025	01/08/2025	12/07/2025	01/08/2025	0 days	899
901	Demolition and site clearance for asbestos containing structure	48 days	02/08/2025	25/09/2025	02/08/2025	25/09/2025	0 days	900
902	**Tree Survey, TPRP and Tree Felling**	**307 days**	**07/06/2024**	**19/06/2025**	**07/06/2024**	**25/09/2025**	**0 days**	
903	Tree survey and submission	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
904	Submission of TPRP and approval (For Tree Group)	72 days	05/02/2025	03/05/2025	13/06/2025	05/09/2025	104 days	903
905	Tree felling (for tree group and individual tree)	18 days	29/05/2025	19/06/2025	06/09/2025	25/09/2025	84 days	904,892,893,838
906	**UU Detection / .Liaison / Decommission and Site Clearance**	**286 days**	**09/01/2025**	**22/12/2025**	**13/06/2025**	**22/12/2025**	**124 days**	
907	UU Detection on Site	18 days	09/01/2025	01/02/2025	13/06/2025	04/07/2025	124 days	893
908	Liaison with UU for decommissioning	24 days	08/05/2025	05/06/2025	05/07/2025	01/08/2025	48 days	892,893,907
909	decommissioning of existing services by UU/Contractor	24 days	06/06/2025	04/07/2025	02/08/2025	29/08/2025	48 days	908
910	General site clearance / demolition work	72 days	26/09/2025	22/12/2025	26/09/2025	22/12/2025	0 days	901,894
911	**Ground Investigation (1 no. T/P) and Lab. Testing/reporting - (KD3 : 07 Sep 2025)**	**39 days**	**10/06/2025**	**25/07/2025**	**17/07/2025**	**07/09/2025**	**31 days**	**874SS+10 days**
912	Trial Pit Team A3 - assume 6 days for 1 pit including backfilling	6 days	10/06/2025	16/06/2025	17/07/2025	23/07/2025	31 days	880
913	Backfilling of trial pit (compaction verified by probing)	2 days	17/06/2025	18/06/2025	03/09/2025	04/09/2025	66 days	912
914	Lab testing and reporting	3 days	23/07/2025	25/07/2025	05/09/2025	07/09/2025	38 days	912FS+30 days,913
915	**Land Contamination Assessment / Treatment**	**435 days**	**07/06/2024**	**19/11/2025**	**07/06/2024**	**22/12/2025**	**0 days**	
916	site appraisal	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	903SS
917	Prepare of Contamination Assessment Plan	36 days	05/02/2025	18/03/2025	10/03/2025	23/04/2025	28 days	916
918	submission / approval	40 days	19/03/2025	09/05/2025	10/05/2025	26/06/2025	40 days	917,948,987
919	site investigation / testing	12 days	24/05/2025	07/06/2025	27/06/2025	11/07/2025	28 days	918,848
920	preparation / submission / approval of CAR	30 days	09/06/2025	14/07/2025	12/07/2025	15/08/2025	28 days	919
921	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	15/07/2025	06/10/2025	16/08/2025	10/11/2025	28 days	920
922	submission of remediation report	36 days	08/10/2025	19/11/2025	11/11/2025	22/12/2025	28 days	921
923	**surface channel and site formation work**	**309 days**	**23/12/2025**	**07/01/2027**	**23/12/2025**	**07/01/2027**	**0 days**	**922,910,911**
924	**Completion of Section 16 of the works**	**0 days**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**0 days**	**923,42FF**
925								
926	**19. Section 17 of the works (Part P of the Site) - 610D**	**772 days**	**07/06/2024**	**07/01/2027**	**07/06/2024**	**07/01/2027**	**0 days**	
927	Site possession	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
928	Coordination/Liaison with nearby stakeholders by caring team visit	320 days	24/06/2024	21/07/2025	07/09/2024	03/10/2025	64 days	69
929	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**126 days**	**08/05/2025**	**03/10/2025**	**08/05/2025**	**03/10/2025**	**0 days**	
930	Asbestos Inspection for clarification of ACM existence	6 days	08/05/2025	14/05/2025	08/05/2025	14/05/2025	0 days	927
931	Submission of asbestos material containing survey report	18 days	15/05/2025	05/06/2025	15/05/2025	05/06/2025	0 days	930
932	Notification to EPD for asbestos removal works	24 days	06/06/2025	04/07/2025	06/06/2025	04/07/2025	0 days	931
933	Approval from EPD for the removal works	6 days	05/07/2025	11/07/2025	05/07/2025	11/07/2025	0 days	932
934	Removal of asbestos material	18 days	12/07/2025	01/08/2025	12/07/2025	01/08/2025	0 days	933
935	Demolition and site clearance for asbestos containing structure	54 days	02/08/2025	03/10/2025	02/08/2025	03/10/2025	0 days	934
936	**Tree Survey, TPRP and Tree Felling**	**287 days**	**07/06/2024**	**26/05/2025**	**07/06/2024**	**05/09/2025**	**0 days**	
937	Tree survey and submission	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
938	Submission of TPRP and approval (For Tree Group)	72 days	05/02/2025	03/05/2025	22/05/2025	15/08/2025	86 days	937
939	Tree felling (for tree group and individual tree)	18 days	06/05/2025	26/05/2025	16/08/2025	05/09/2025	86 days	938
940	**UU Detection / .Liaison / Decommission and Site Clearance**	**182 days**	**08/05/2025**	**10/12/2025**	**13/06/2025**	**10/12/2025**	**30 days**	
941	UU Detection on Site	18 days	08/05/2025	28/05/2025	13/06/2025	04/07/2025	30 days	927
942	Liaison with UU for decommissioning	24 days	29/05/2025	26/06/2025	05/07/2025	01/08/2025	30 days	892,893,941
943	decommissioning of existing services by UU/Contractor	24 days	27/06/2025	25/07/2025	02/08/2025	29/08/2025	30 days	942
944	General site clearance / demolition work	56 days	04/10/2025	10/12/2025	04/10/2025	10/12/2025	0 days	943,935,967,975,928
945	**Land Contamination Assessment / Treatment**	**561 days**	**07/06/2024**	**25/04/2026**	**07/06/2024**	**25/04/2026**	**0 days**	
946	**Land Contamination Assessment / Treatment**	**561 days**	**07/06/2024**	**25/04/2026**	**07/06/2024**	**25/04/2026**	**0 days**	



Project : YL/2023/01
Data Date : 05 Jan 2025 (Rev. 7)

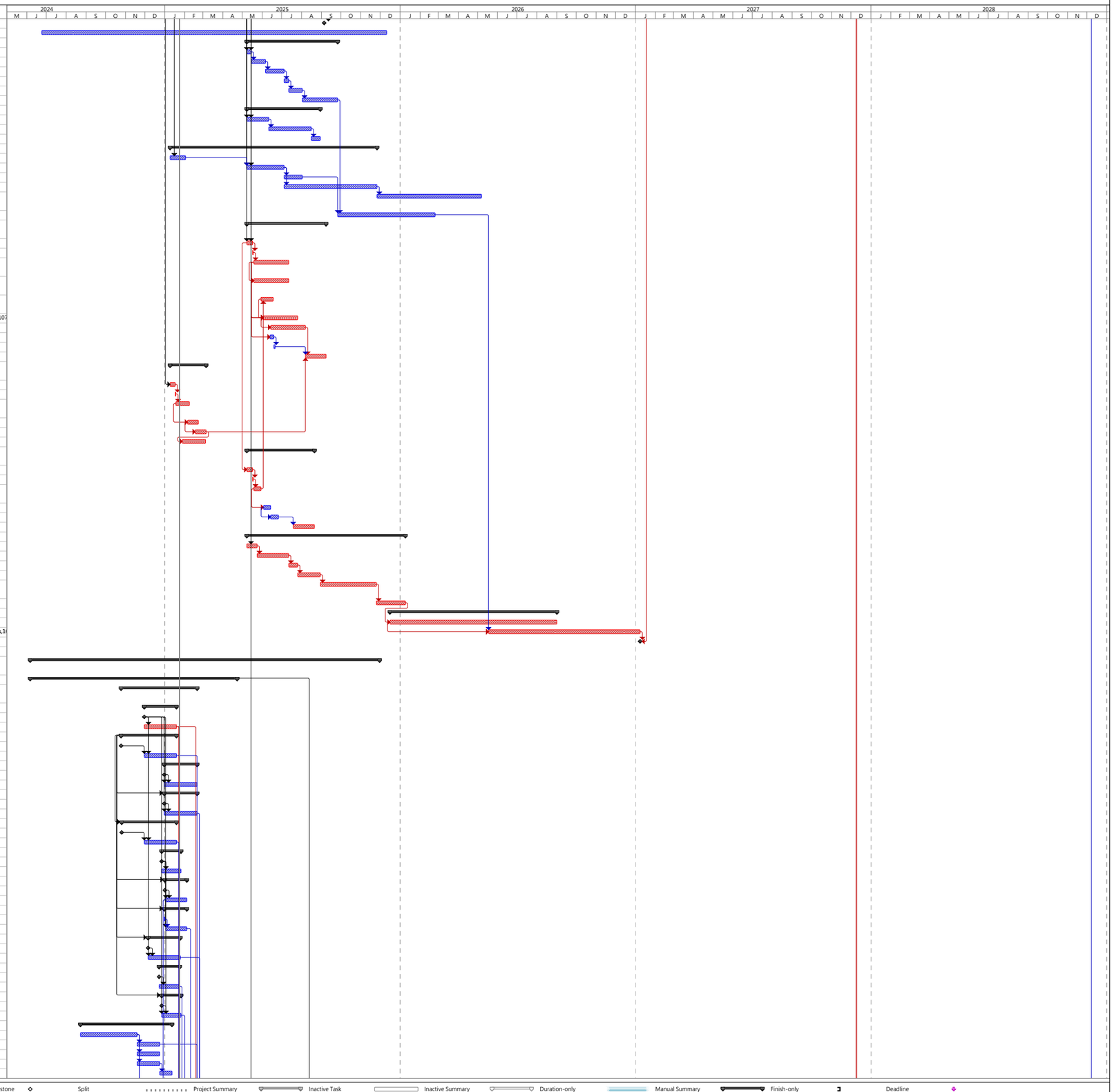
Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | Deadline
Critical Task | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | Progress

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
947	site appraisal	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
948	Prepare of Contamination Assessment Plan	36 days	05/02/2025	18/03/2025	10/03/2025	23/04/2025	28 days	947
949	submission / approval	40 days	19/03/2025	09/05/2025	04/09/2025	21/10/2025	138 days	948,987
950	site investigation / testing	12 days	09/06/2025	21/06/2025	22/10/2025	05/11/2025	114 days	949,919
951	preparation / submission / approval of CAR	30 days	23/06/2025	28/07/2025	06/11/2025	10/12/2025	114 days	950
952	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	11/12/2025	11/03/2026	11/12/2025	11/03/2026	0 days	951,944
953	submission of remediation report	36 days	12/03/2026	25/04/2026	12/03/2026	25/04/2026	0 days	952
954	**surface channel and site formation work**	**211 days**	**27/04/2026**	**07/01/2027**	**27/04/2026**	**07/01/2027**	**0 days**	**953,944**
955	**Completion of Section 17 of the works**	**0 days**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**0 days**	**954,43FF**
956								
957	**20. Section 18 of the works (Part Q and L4 of the Site) - 610D**	**772 days**	**07/06/2024**	**07/01/2027**	**07/06/2024**	**07/01/2027**	**0 days**	
958	Site possession of Part Q	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
959	Site possession of Part L4	0 days	08/01/2025	08/01/2025	08/05/2025	08/05/2025	94 days	24
960	Coordination/Liaison with nearby stakeholders by caring team visit	320 days	24/06/2024	21/07/2025	07/09/2024	03/10/2025	64 days	69
961	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**126 days**	**08/05/2025**	**03/10/2025**	**08/05/2025**	**03/10/2025**	**0 days**	
962	Asbestos Inspection for clarification of ACM existence	6 days	08/05/2025	14/05/2025	08/05/2025	14/05/2025	0 days	958,959
963	Submission of asbestos material containing survey report	18 days	15/05/2025	05/06/2025	15/05/2025	05/06/2025	0 days	962
964	Notification to EPD for asbestos removal works	24 days	06/06/2025	04/07/2025	06/06/2025	04/07/2025	0 days	963
965	Approval from EPD for the removal works	6 days	05/07/2025	11/07/2025	05/07/2025	11/07/2025	0 days	964
966	Removal of asbestos material	18 days	12/07/2025	01/08/2025	12/07/2025	01/08/2025	0 days	965
967	Demolition and site clearance for asbestos containing structure	54 days	02/08/2025	03/10/2025	02/08/2025	03/10/2025	0 days	966
968	**Tree Survey, TPRP and Tree Felling**	**305 days**	**07/06/2024**	**17/06/2025**	**07/06/2024**	**25/09/2025**	**0 days**	
969	Tree survey and submission	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
970	Submission of TPRP and approval (For Tree Group)	72 days	05/02/2025	03/05/2025	13/06/2025	05/09/2025	104 days	969
971	Tree felling (for tree group and individual tree)	18 days	27/05/2025	17/06/2025	06/09/2025	25/09/2025	86 days	970,939
972	**UU Detection / Liaison / Decommission and Site Clearance**	**276 days**	**09/01/2025**	**10/12/2025**	**13/06/2025**	**10/12/2025**	**124 days**	
973	UU Detection on Site	18 days	09/01/2025	01/02/2025	13/06/2025	04/07/2025	124 days	959
974	Liaison with UU for decommissioning	24 days	08/05/2025	05/06/2025	05/07/2025	01/08/2025	48 days	958,959,973
975	decommissioning of existing services by UU/Contractor	24 days	06/06/2025	04/07/2025	02/08/2025	29/08/2025	48 days	974
976	General site clearance / demolition work	56 days	04/10/2025	10/12/2025	04/10/2025	10/12/2025	0 days	975,967,960
977	**Ground Investigation (1 no. BH and 1 no. T/P) and Lab. Testing/reporting - (KD3 : 07 Sep 2025)**	**104 days**	**08/05/2025**	**07/09/2025**	**19/06/2025**	**07/09/2025**	**35 days**	
978	Forming site access for GI works	7 days	08/05/2025	15/05/2025	19/06/2025	26/06/2025	35 days	958,959
979	Site Works 1 Nos. (GI plant No.6 - assume 5 days works including mobilization for 1 holes	5 days	16/05/2025	21/05/2025	27/06/2025	03/07/2025	35 days	978
980	Issuance of preliminary log	5 days	30/05/2025	05/06/2025	12/07/2025	17/07/2025	35 days	979SS+12 days
981	Engineer instruction for testing	5 days	12/06/2025	17/06/2025	24/07/2025	29/07/2025	35 days	980SS+10 days
982	Trial Pit Team A3 - assume 5 days for 1 pit including backfilling	5 days	17/06/2025	21/06/2025	24/07/2025	29/07/2025	31 days	978,912
983	Backfilling of trial pit (compaction verified by probing)	2 days	23/06/2025	24/06/2025	01/09/2025	02/09/2025	59 days	982
984	Lab testing and reporting	5 days	03/09/2025	07/09/2025	03/09/2025	07/09/2025	0 days	981FS+30 days,982F
985	**Land Contamination Assessment / Treatment**	**603 days**	**07/06/2024**	**15/06/2026**	**07/06/2024**	**15/06/2026**	**0 days**	
986	site appraisal	197 days	07/06/2024	04/02/2025	07/06/2024	04/02/2025	0 days	18
987	Prepare of Contamination Assessment Plan	36 days	05/02/2025	18/03/2025	10/03/2025	23/04/2025	28 days	986
988	submission / approval	40 days	19/03/2025	09/05/2025	24/10/2025	10/12/2025	180 days	987
989	site investigation / testing	12 days	11/12/2025	24/12/2025	11/12/2025	24/12/2025	0 days	988,950,976
990	preparation / submission / approval of CAR	30 days	27/12/2025	31/01/2026	27/12/2025	31/01/2026	0 days	989
991	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	02/02/2026	04/05/2026	02/02/2026	04/05/2026	0 days	990,976
992	submission of remediation report	36 days	06/05/2026	15/06/2026	06/05/2026	15/06/2026	0 days	991
993	**surface channel and site formation work**	**169 days**	**16/06/2026**	**07/01/2027**	**16/06/2026**	**07/01/2027**	**0 days**	**992**
994	**Completion of Section 18 of the works**	**0 days**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**0 days**	**993,44FF**
995								
996	**21. Section 19 of the works (Part S3 of the Site) - 151D**	**385 days**	**24/06/2024**	**04/10/2025**	**04/07/2024**	**04/10/2025**	**8 days**	
997	Site possession	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
998	Coordination/Liaison with nearby stakeholders by caring team visit	320 days	24/06/2024	21/07/2025	04/07/2024	30/07/2025	8 days	69
999	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**84 days**	**08/05/2025**	**15/08/2025**	**08/05/2025**	**15/08/2025**	**0 days**	
1000	Asbestos Inspection for clarification of ACM existence	6 days	08/05/2025	14/05/2025	08/05/2025	14/05/2025	0 days	997
1001	Submission of asbestos material containing survey report	18 days	15/05/2025	05/06/2025	15/05/2025	05/06/2025	0 days	1000
1002	Notification to EPD for asbestos removal works	24 days	06/06/2025	04/07/2025	06/06/2025	04/07/2025	0 days	1001
1003	Approval from EPD for the removal works	6 days	05/07/2025	11/07/2025	05/07/2025	11/07/2025	0 days	1002
1004	Removal of asbestos material	18 days	12/07/2025	01/08/2025	12/07/2025	01/08/2025	0 days	1003
1005	Demolition and site clearance for asbestos containing structure	12 days	02/08/2025	15/08/2025	02/08/2025	15/08/2025	0 days	1004
1006	**Tree Survey, TPRP and Tree Felling**	**72 days**	**08/05/2025**	**01/08/2025**	**22/05/2025**	**15/08/2025**	**12 days**	
1007	Tree survey and submission (for individual tree and tree group)	12 days	08/05/2025	21/05/2025	22/05/2025	05/06/2025	12 days	997
1008	Submission of TPRP and approval (for tree group)	48 days	22/05/2025	18/07/2025	06/06/2025	01/08/2025	12 days	1007
1009	Tree felling (for tree group and individual tree)	12 days	19/07/2025	01/08/2025	02/08/2025	15/08/2025	12 days	1008
1010	**UU Detection / Liaison / Decommission and Site Clearance**	**127 days**	**08/05/2025**	**04/10/2025**	**15/05/2025**	**04/10/2025**	**6 days**	
1011	UU Detection on Site	18 days	08/05/2025	28/05/2025	15/05/2025	05/06/2025	6 days	997
1012	Liaison with UU for decommissioning	24 days	29/05/2025	26/06/2025	06/06/2025	04/07/2025	6 days	958,959,1011
1013	decommissioning of existing services by UU/Contractor	12 days	27/06/2025	11/07/2025	05/07/2025	18/07/2025	6 days	1012
1014	General site clearance / demolition work	24 days	12/07/2025	08/08/2025	19/07/2025	15/08/2025	6 days	1013,998FS-10 days
1015	surface channel and site formation work	43 days	16/08/2025	04/10/2025	16/08/2025	04/10/2025	0 days	1014,1009,1005,103
1016	**Completion of Section 19 of the works**	**0 days**	**05/10/2025**	**05/10/2025**	**05/10/2025**	**05/10/2025**	**0 days**	**1015,45FF**
1017								
1018	**22. Section 20 of the works (Part L5 and S4 of the Site) - 305D**	**368 days**	**24/06/2024**	**13/09/2025**	**24/06/2024**	**05/09/2025**	**0 days**	
1019	Site possession of Part S4	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16
1020	Site possession of Part L5	0 days	08/01/2025	08/01/2025	30/12/2024	30/12/2024	-8 days	24
1021	Coordination/Liaison with nearby stakeholders by caring team visit	320 days	24/06/2024	21/07/2025	24/06/2024	21/07/2025	0 days	69
1022	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**74 days**	**08/05/2025**	**04/08/2025**	**08/05/2025**	**04/08/2025**	**0 days**	
1023	Asbestos Inspection for clarification of ACM existence	6 days	08/05/2025	14/05/2025	08/05/2025	14/05/2025	0 days	1019,1020
1024	Submission of asbestos material containing survey report	14 days	15/05/2025	30/05/2025	15/05/2025	30/05/2025	0 days	1023
1025	Notification to EPD for asbestos removal works	24 days	02/06/2025	28/06/2025	02/06/2025	28/06/2025	0 days	1024
1026	Approval from EPD for the removal works	6 days	30/06/2025	07/07/2025	30/06/2025	07/07/2025	0 days	1025
1027	Removal of asbestos material	12 days	08/07/2025	21/07/2025	08/07/2025	21/07/2025	0 days	1026
1028	Demolition and site clearance for asbestos containing structure	12 days	22/07/2025	04/08/2025	22/07/2025	04/08/2025	0 days	1027
1029	**Tree Survey, TPRP and Tree Felling**	**72 days**	**08/05/2025**	**01/08/2025**	**22/05/2025**	**15/08/2025**	**12 days**	
1030	Tree survey and submission (for individual tree and tree group)	12 days	08/05/2025	21/05/2025	22/05/2025	05/06/2025	12 days	997
1031	Submission of TPRP and approval (for tree group)	48 days	22/05/2025	18/07/2025	06/06/2025	01/08/2025	12 days	1030
1032	Tree felling (for tree group and individual tree)	12 days	19/07/2025	01/08/2025	02/08/2025	15/08/2025	12 days	1031
1033	**UU Detection / Liaison / Decommission and Site Clearance**	**130 days**	**09/01/2025**	**19/06/2025**	**17/05/2025**	**21/07/2025**	**102 days**	
1034	UU Detection on Site	18 days	09/01/2025	01/02/2025	17/05/2025	07/06/2025	102 days	1020
1035	Liaison with UU for decommissioning	24 days	08/05/2025	05/06/2025	09/06/2025	07/07/2025	26 days	958,959,1034
1036	decommissioning of existing services by UU/Contractor	12 days	06/06/2025	19/06/2025	08/07/2025	21/07/2025	26 days	1035
1037	General site clearance / demolition work	12 days	20/06/2025	04/07/2025	22/07/2025	04/08/2025	26 days	1036
1038	**Land Contamination Assessment / Treatment**	**204 days**	**09/01/2025**	**13/09/2025**	**30/12/2024**	**05/09/2025**	**-8 days**	
1039	site appraisal and prepare Contamination Assessment Plan	14 days	09/01/2025	24/01/2025	30/12/2024	15/01/2025	-8 days	1020
1040	submission / approval	40 days	25/01/2025	15/03/2025	16/01/2025	06/03/2025	-8 days	1039
1041	site investigation / testing	12 days	17/03/2025	29/03/2025	07/03/2025	20/03/2025	-8 days	1040
1042	preparation / submission / approval of CAR	30 days	31/03/2025	09/05/2025	21/03/2025	28/04/2025	-8 days	1041
1043	remedial works (cement stabilization / Biopile) (2 months for Biopile and 2 weeks for CSS)	72 days	10/05/2025	04/08/2025	29/04/2025	25/07/2025	-8 days	1042
1044	submission of remediation report	36 days	05/08/2025	13/09/2025	26/07/2025	05/09/2025	-8 days	1043
1045	**surface channel and site formation work**	**28 days**	**05/08/2025**	**05/09/2025**	**05/08/2025**	**05/09/2025**	**0 days**	**1037,1036,1028**
1046	**Completion of Section 20 of the works**	**0 days**	**05/09/2025**	**05/09/2025**	**05/09/2025**	**05/09/2025**	**-8 days**	**1045,1044,46FF**
1047								
1048	**23. Section 21 of the works (Part H3, R1, K2, L2, L3, S1, S2 and S5 of the Site) - 610D**	**759 days**	**24/06/2024**	**07/01/2027**	**03/12/2024**	**27/11/2028**	**135 days**	
1049	Site possession of Part H3, K2, L3 & R1	0 days	08/01/2025	08/01/2025	03/12/2024	03/12/2024	-29 days	24
1050	Site possession of Part L2, S1 & S2	0 days	07/05/2025	07/05/2025	08/05/2025	08/05/2025	0 days	16



Contract No. YL/2023/01
Hung Shui Kiu / Ha Tsuen New Development Area
Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works
Programme for the Works (Data Date : 05 Jan 2025)

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
1051	Site possession of Part S5	0 days	04/09/2025	04/09/2025	27/11/2028	27/11/2028	973 days	21
1052	Coordination/Liaison with nearby stakeholders by caring team visit	440 days	24/06/2024	10/12/2025	23/06/2027	27/11/2028	892 days	69
1053	**Asbestos Containing Material Survey/Treatment/Demolition of ACM structures**	**120 days**	**08/05/2025**	**25/09/2025**	**26/07/2025**	**15/12/2025**	**66 days**	
1054	Asbestos Inspection for clarification of ACM existence	6 days	08/05/2025	14/05/2025	26/07/2025	01/08/2025	66 days	1049,1050
1055	Submission of asbestos material containing survey report	18 days	15/05/2025	05/06/2025	02/08/2025	22/08/2025	66 days	1054
1056	Notification to EPD for asbestos removal works	24 days	06/06/2025	04/07/2025	23/08/2025	18/09/2025	66 days	1055
1057	Approval from EPD for the removal works	6 days	05/07/2025	11/07/2025	19/09/2025	25/09/2025	66 days	1056
1058	Removal of asbestos material	18 days	12/07/2025	01/08/2025	26/09/2025	18/10/2025	66 days	1057
1059	Demolition and site clearance for asbestos containing structure	48 days	02/08/2025	25/09/2025	20/10/2025	15/12/2025	66 days	1058
1060	**Tree Survey, TPRP and Tree Felling**	**96 days**	**08/05/2025**	**29/08/2025**	**08/08/2028**	**27/11/2028**	**978 days**	
1061	Tree survey and submission (for individual tree and tree group)	28 days	08/05/2025	10/06/2025	08/08/2028	08/09/2028	978 days	1049,1050
1062	Submission of TPRP and approval (for tree group)	56 days	11/06/2025	15/08/2025	09/09/2028	13/11/2028	978 days	1061
1063	Tree felling (for tree group and individual tree)	12 days	16/08/2025	29/08/2025	14/11/2028	27/11/2028	978 days	1062
1064	**UU Detection / .Liaison / Decommission and Site Clearance**	**263 days**	**09/01/2025**	**25/11/2025**	**14/04/2025**	**15/12/2025**	**77 days**	
1065	UU Detection on Site	18 days	09/01/2025	01/02/2025	14/04/2025	08/05/2025	77 days	1049
1066	Liaison with UU for decommissioning	48 days	08/05/2025	04/07/2025	09/05/2025	05/07/2025	1 day	1049,1050,1065
1067	decommissioning of existing services by UU/Contractor	24 days	05/07/2025	01/08/2025	18/11/2025	15/12/2025	114 days	1066
1068	Removal / diversion of the existing utilities by UU	121 days	05/07/2025	25/11/2025	07/07/2025	26/11/2025	1 day	1066
1069	**Construction and complete new UU ducting laying works along Advance Utility Laying Works Corridor in Part S1 - KD8**	**128 days**	**26/11/2025**	**06/05/2026**	**27/11/2025**	**07/05/2026**	**1 day**	**1068**
1070	General site clearance / demolition work	120 days	26/09/2025	23/02/2026	16/12/2025	16/05/2026	66 days	1059,1067
1071	**Ground Investigation (21 nos. BH and 1 no. T/P) and Lab. Testing/reporting - KD3 in Part S1 (07 Sep 2025)**	**104 days**	**08/05/2025**	**07/09/2025**	**08/05/2025**	**07/09/2025**	**0 days**	
1072	Forming site access for GI works	8 days	08/05/2025	16/05/2025	08/05/2025	16/05/2025	0 days	1050,1049
1073	Mobilization of Plant	1 day	17/05/2025	17/05/2025	17/05/2025	17/05/2025	0 days	1072
1074	Site Works 9 Nos. (GI plant No.9 - assume 5 days works including mobilization for 1 holes	45 days	19/05/2025	11/07/2025	19/05/2025	11/07/2025	0 days	1073
1075	Site Works 9 Nos. (GI plant No.10 - assume 5 days works including mobilization for 1 holes	45 days	19/05/2025	11/07/2025	19/05/2025	11/07/2025	0 days	1074SS
1076	Site Works 3 Nos. (GI plant No.8 - assume 5 days works including mobilization for 1 holes	15 days	30/05/2025	17/06/2025	30/05/2025	17/06/2025	0 days	1092
1077	Issuance of preliminary log	45 days	03/06/2025	25/07/2025	03/06/2025	25/07/2025	0 days	1074SS+12 days,107
1078	Engineer instruction for testing	45 days	14/06/2025	06/08/2025	14/06/2025	06/08/2025	0 days	1077SS+10 days
1079	Trial Pit Test A4 - assume 5 days for 1 pit including backfilling	5 days	13/06/2025	18/06/2025	30/07/2025	04/08/2025	39 days	1074SS+21 days
1080	Backfilling of trial pit (compaction verified by probing)	2 days	19/06/2025	20/06/2025	05/08/2025	06/08/2025	39 days	1079
1081	Lab testing and reporting	28 days	07/08/2025	07/09/2025	07/08/2025	07/09/2025	0 days	1078,1080,1087
1082	**Ground Investigation (3 nos. BH) and Lab. Testing/reporting - KD4 in Part L3 (04 Mar 2025)**	**45 days**	**09/01/2025**	**05/03/2025**	**03/12/2024**	**04/03/2025**	**-29 days**	
1083	Forming site access for GI works	7 days	09/01/2025	16/01/2025	03/12/2024	10/12/2024	-29 days	1049SS
1084	Mobilization of Plant	1 day	17/01/2025	17/01/2025	11/12/2024	11/12/2024	-29 days	1083
1085	Site Works 3 Nos. (GI plant No.3 - assume 5 days works including mobilization for 1 holes	15 days	18/01/2025	07/02/2025	12/12/2024	31/12/2024	-29 days	1084
1086	Issuance of preliminary log	15 days	05/02/2025	21/02/2025	28/12/2024	15/01/2025	-29 days	1085SS+12 days
1087	Engineer instruction for testing	15 days	17/02/2025	05/03/2025	10/01/2025	27/01/2025	-29 days	1086SS+10 days
1088	Lab testing and reporting	28 days	28/01/2025	04/03/2025	28/01/2025	04/03/2025	-29 days	1087
1089	**Ground Investigation (2 nos. BH) and Lab. Testing/reporting - KD5 in Part S1 (20 Aug 2025)**	**88 days**	**08/05/2025**	**20/08/2025**	**08/05/2025**	**20/08/2025**	**0 days**	
1090	Forming site access for GI works	8 days	08/05/2025	16/05/2025	08/05/2025	16/05/2025	0 days	1072SS
1091	Mobilization of Plant	1 day	17/05/2025	17/05/2025	17/05/2025	17/05/2025	0 days	1090
1092	Site Works 2 Nos. (GI plant No.8 - assume 5 days works including mobilization for 1 holes	10 days	19/05/2025	29/05/2025	19/05/2025	29/05/2025	0 days	1091
1093	Issuance of preliminary log	10 days	03/06/2025	13/06/2025	25/06/2025	07/07/2025	19 days	1092SS+12 days
1094	Engineer instruction for testing	10 days	14/06/2025	25/06/2025	08/07/2025	18/07/2025	19 days	1093SS+10 days
1095	Lab testing and reporting	28 days	19/07/2025	20/08/2025	19/07/2025	20/08/2025	0 days	1094
1096	**Land Contamination Assessment / Treatment**	**204 days**	**08/05/2025**	**08/01/2026**	**08/05/2025**	**08/01/2026**	**0 days**	
1097	site appraisal and prepare Contamination Assessment Plan	14 days	08/05/2025	23/05/2025	08/05/2025	23/05/2025	0 days	1050
1098	submission / approval	40 days	24/05/2025	11/07/2025	24/05/2025	11/07/2025	0 days	1097
1099	site investigation / testing	12 days	12/07/2025	25/07/2025	12/07/2025	25/07/2025	0 days	1098
1100	preparation / submission / approval of CAR	30 days	26/07/2025	29/08/2025	26/07/2025	29/08/2025	0 days	1099
1101	remedial works (cement stabilization / Biopile) (2 months for Biopile and 1 month for CSS)	72 days	30/08/2025	24/11/2025	30/08/2025	24/11/2025	0 days	1100
1102	submission of remediation report	36 days	25/11/2025	08/01/2026	25/11/2025	08/01/2026	0 days	1101
1103	**Drainage work**	**210 days**	**16/12/2025**	**31/08/2026**	**16/12/2025**	**31/08/2026**	**0 days**	
1104	drainage work	210 days	16/12/2025	31/08/2026	16/12/2025	31/08/2026	0 days	1102FS-18 days
1105	**surface channel and site formation work**	**195 days**	**18/05/2026**	**07/01/2027**	**18/05/2026**	**07/01/2027**	**0 days**	**1104SS+120 days,1**
1106	**Completion of Section 21 of the works**	**0 days**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**07/01/2027**	**0 days**	**1105,47FF**
1107								
1108	**24. Section 22 of the works (related to the CLC within Part T of the Site) - 1271D**	**445 days**	**06/06/2024**	**29/11/2025**	**23/08/2024**	**29/11/2025**	**65 days**	
1109	**Design & Method Statement Submission**	**261 days**	**06/06/2024**	**22/04/2025**	**23/08/2024**	**15/08/2025**	**65 days**	
1110	**MTRC Method Statement Submission & Consent for CLC Building & PM Office**	**95 days**	**25/10/2024**	**19/02/2025**	**30/11/2024**	**15/08/2025**	**31 days**	
1111	**Impact Assessment of CLC**	**40 days**	**30/11/2024**	**18/01/2025**	**30/11/2024**	**18/01/2025**	**0 days**	
1112	Impact Assessment Report (Rev.1) Submission	0 days	30/11/2024	30/11/2024	30/11/2024	30/11/2024	0 days	
1113	MTRC Approval & Consent for Commencement of works	40 days	30/11/2024	18/01/2025	30/11/2024	18/01/2025	0 days	1112
1114	**Construction of CLC footing**	**71 days**	**25/10/2024**	**18/01/2025**	**31/12/2024**	**19/02/2025**	**55 days**	
1115	Method Statement Submission	0 days	25/10/2024	25/10/2024	31/12/2024	31/12/2024	55 days	
1116	MTRC Approval & Consent for Commencement of works	40 days	30/11/2024	18/01/2025	31/12/2024	19/02/2025	24 days	1112,1115
1117	**Construction of CLC Superstructure**	**40 days**	**31/12/2024**	**19/02/2025**	**30/06/2025**	**15/08/2025**	**145 days**	
1118	Method Statement Submission	0 days	31/12/2024	31/12/2024	30/06/2025	30/06/2025	145 days	
1119	MTRC Approval & Consent for Commencement of works	40 days	31/12/2024	19/02/2025	30/06/2025	15/08/2025	145 days	1112,1118
1120	**Construction of water tank**	**40 days**	**31/12/2024**	**19/02/2025**	**24/02/2025**	**11/04/2025**	**43 days**	**1114SS**
1121	Method Statement Submission	0 days	31/12/2024	31/12/2024	24/02/2025	24/02/2025	43 days	
1122	MTRC Approval & Consent for Commencement of works	40 days	31/12/2024	19/02/2025	24/02/2025	11/04/2025	43 days	1112,1121
1123	**Construction of utilities**	**70 days**	**25/10/2024**	**18/01/2025**	**24/01/2025**	**14/03/2025**	**74 days**	**1114SS**
1124	Method Statement Submission	0 days	25/10/2024	25/10/2024	24/01/2025	24/01/2025	74 days	
1125	MTRC Approval & Consent for Commencement of works	40 days	30/11/2024	18/01/2025	24/01/2025	14/03/2025	44 days	1112,1124
1126	**Impact Assessment of PM office**	**25 days**	**27/12/2024**	**25/01/2025**	**18/01/2025**	**15/08/2025**	**18 days**	
1127	Impact Assessment Report Submission	0 days	27/12/2024	27/12/2024	18/01/2025	18/01/2025	18 days	
1128	MTRC Approval & Consent for Commencement of works	25 days	27/12/2024	25/01/2025	18/07/2025	15/08/2025	163 days	1127
1129	**Construction of PM Office**	**25 days**	**31/12/2024**	**03/02/2025**	**20/01/2025**	**20/02/2025**	**15 days**	**1114SS**
1130	Method Statement Submission	0 days	31/12/2024	31/12/2024	20/01/2025	20/01/2025	15 days	
1131	MTRC Approval & Consent for Commencement of works	25 days	02/01/2025	03/02/2025	20/01/2025	20/02/2025	15 days	1127,1130
1132	**Proposal of CLP Pole Mounted Transformer**	**26 days**	**31/12/2024**	**03/02/2025**	**20/03/2025**	**22/04/2025**	**64 days**	**1114SS**
1133	Method Statement Submission	1 day	31/12/2024	31/12/2024	20/03/2025	20/03/2025	64 days	
1134	MTRC Approval & Consent for Commencement of works	25 days	02/01/2025	03/02/2025	21/03/2025	22/04/2025	64 days	1112,1133
1135	**Removal of Boundary Fencing at Part T**	**40 days**	**06/12/2024**	**24/01/2025**	**18/01/2025**	**08/03/2025**	**34 days**	**1114SS**
1136	Method Statement Submission	0 days	06/12/2024	06/12/2024	18/01/2025	18/01/2025	34 days	
1137	MTRC Approval & Consent for Commencement of works	40 days	06/12/2024	24/01/2025	18/01/2025	08/03/2025	34 days	1112,1136
1138	**Pre-inspection of Existing Height Restriction Gantry**	**25 days**	**23/12/2024**	**23/01/2025**	**14/01/2025**	**14/02/2025**	**16 days**	
1139	Method Statement Submission	0 days	23/12/2024	23/12/2024	14/01/2025	14/01/2025	16 days	
1140	MTRC Approval & Consent for Commencement of works	25 days	23/12/2024	23/01/2025	14/01/2025	14/02/2025	16 days	1139
1141	**Removal of Existing Height Restriction Gantry**	**25 days**	**27/12/2024**	**25/01/2025**	**18/01/2025**	**19/02/2025**	**18 days**	**1114SS**
1142	Method Statement Submission	0 days	27/12/2024	27/12/2024	18/01/2025	18/01/2025	18 days	
1143	MTRC Approval & Consent for Commencement of works	25 days	27/12/2024	25/01/2025	18/01/2025	19/02/2025	18 days	1112,1127,1142
1144	**CLC Building Design Submission**	**116 days**	**23/08/2024**	**11/01/2025**	**17/10/2024**	**15/08/2025**	**44 days**	
1145	Architectural design / approval	72 days	23/08/2024	18/11/2024	17/10/2024	11/01/2025	44 days	
1146	Footing design / approval	30 days	19/11/2024	23/12/2024	13/01/2025	19/02/2025	44 days	1145
1147	Structural design / approval	30 days	19/11/2024	23/12/2024	12/07/2025	15/08/2025	189 days	1145
1148	Facade design / approval	30 days	19/11/2024	23/12/2024	25/06/2025	30/07/2025	175 days	1145
1149	1st floor interior design / approval	14 days	24/12/2024	11/01/2025	31/07/2025	15/08/2025	175 days	1148



Project : YL/2023/01
Data Date : 05 Jan 2025 (Rev. 7)

Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | Deadline
Critical Task | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | Progress

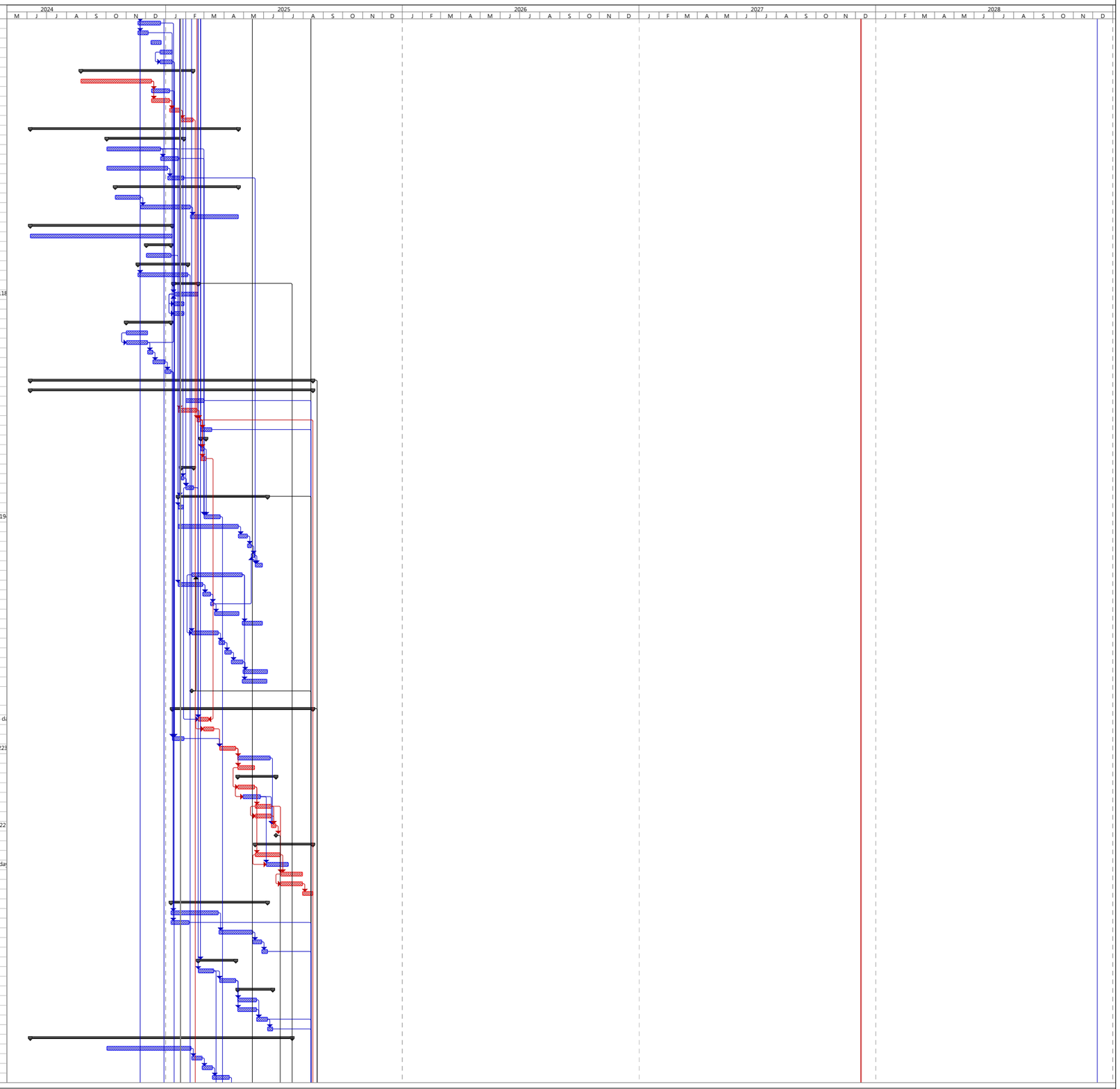
Contract No. YL/2023/01

Hung Shui Kiu / Ha Tsuen New Development Area

Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works

Programme for the Works (Data Date : 05 Jan 2025)

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
1150	MEP design / approval	30 days	19/11/2024	23/12/2024	20/05/2025	24/06/2025	145 days	1145
1151	MiC subletting	14 days	19/11/2024	04/12/2024	19/02/2025	06/03/2025	73 days	1145
1152	Material submission / approval	14 days	09/12/2024	24/12/2024	31/07/2025	15/08/2025	188 days	
1153	Shop Drawing submission / approval	14 days	23/12/2024	10/01/2025	19/02/2025	06/03/2025	44 days	
1154	Material purchasing	14 days	23/12/2024	10/01/2025	19/02/2025	06/03/2025	44 days	1153SS
1155	**PM Office Design Submission**	**139 days**	**23/08/2024**	**11/02/2025**	**23/08/2024**	**11/02/2025**	**0 days**	
1156	Architectural design / approval	90 days	23/08/2024	09/12/2024	23/08/2024	09/12/2024	0 days	
1157	Footing design / approval	21 days	10/12/2024	06/01/2025	07/01/2025	03/02/2025	21 days	1156
1158	Structural design / approval	21 days	10/12/2024	06/01/2025	10/12/2024	06/01/2025	0 days	1156
1159	Shop Drawing submission / approval	14 days	07/01/2025	22/01/2025	07/01/2025	22/01/2025	0 days	1158
1160	Material purchasing	14 days	23/01/2025	11/02/2025	23/01/2025	11/02/2025	0 days	1159
1161	**Utilities / Drainage Design Submission**	**261 days**	**06/06/2024**	**22/04/2025**	**14/11/2024**	**15/08/2025**	**133 days**	
1162	**Drainage / Sewerage works**	**98 days**	**02/10/2024**	**28/01/2025**	**14/11/2024**	**14/03/2025**	**36 days**	
1163	Preparation of Drainage work design submission	70 days	02/10/2024	23/12/2024	22/11/2024	18/02/2025	43 days	
1164	Design approval from DSD	21 days	24/12/2024	20/01/2025	19/02/2025	14/03/2025	43 days	1163
1165	Preparation of Sewer design submission	77 days	02/10/2024	03/01/2025	14/11/2024	18/02/2025	36 days	
1166	Design approval from DSD	21 days	04/01/2025	28/01/2025	19/02/2025	14/03/2025	36 days	1165
1167	**Water Supply**	**154 days**	**15/10/2024**	**22/04/2025**	**10/02/2025**	**15/08/2025**	**95 days**	
1168	Preparation of Watermain design submission - WWO542	34 days	15/10/2024	22/11/2024	10/02/2025	20/03/2025	95 days	
1169	Design approval from WSD	60 days	23/11/2024	07/02/2025	21/03/2025	05/06/2025	95 days	1168
1170	Submission of WWO46 for watermain installation and approval	60 days	08/02/2025	22/04/2025	06/06/2025	15/08/2025	95 days	1169
1171	**Power supply**	**180 days**	**06/06/2024**	**10/01/2025**	**07/01/2025**	**15/08/2025**	**176 days**	
1172	CLP coordination	180 days	06/06/2024	10/01/2025	07/01/2025	15/08/2025	176 days	
1173	**Broadband**	**30 days**	**02/12/2024**	**08/01/2025**	**09/04/2025**	**17/05/2025**	**103 days**	
1174	Broadband application	30 days	02/12/2024	08/01/2025	09/04/2025	17/05/2025	103 days	
1175	**Landscaping work**	**60 days**	**19/11/2024**	**03/02/2025**	**17/01/2025**	**31/03/2025**	**48 days**	
1176	Landscape design	60 days	19/11/2024	03/02/2025	17/01/2025	31/03/2025	48 days	1145
1177	**E & M design work for external facilities**	**30 days**	**13/01/2025**	**19/02/2025**	**12/07/2025**	**15/08/2025**	**145 days**	
1178	Car charger	30 days	13/01/2025	19/02/2025	12/07/2025	15/08/2025	145 days	1150FS+14 days,118
1179	External facilities / lighting	14 days	13/01/2025	28/01/2025	31/07/2025	15/08/2025	161 days	1178SS
1180	Gates	14 days	13/01/2025	28/01/2025	31/07/2025	15/08/2025	161 days	1178SS
1181	**Lift Design & Submission**	**56 days**	**01/11/2024**	**08/01/2025**	**13/01/2025**	**21/03/2025**	**59 days**	
1182	Preparation of lift design for subletting	28 days	01/11/2024	03/12/2024	13/01/2025	17/02/2025	59 days	
1183	Preparation of E&M work design	28 days	01/11/2024	03/12/2024	13/01/2025	17/02/2025	59 days	1182SS
1184	Subletting	7 days	04/12/2024	11/12/2024	18/02/2025	25/02/2025	59 days	1183
1185	Lift design submission	14 days	12/12/2024	30/12/2024	26/02/2025	13/03/2025	59 days	1184
1186	Design approval	7 days	31/12/2024	08/01/2025	14/03/2025	21/03/2025	59 days	1185
1187	**Construction Works**	**356 days**	**06/06/2024**	**15/08/2025**	**16/09/2024**	**05/11/2025**	**85 days**	
1188	**New CLC Building**	**356 days**	**06/06/2024**	**15/08/2025**	**13/11/2024**	**05/11/2025**	**132 days**	
1189	Access Road at CLC Entrance to be provided for SHK	24 days	01/02/2025	28/02/2025	19/07/2025	15/08/2025	137 days	
1190	Background Monitoring Works by Joint Survey	22 days	20/01/2025	17/02/2025	20/01/2025	17/02/2025	0 days	1113
1191	Temporary Drainage Works for CLC Building Area	5 days	18/02/2025	22/02/2025	18/02/2025	22/02/2025	0 days	1113,1190
1192	Construction 600 U-channel along FT1 Portion connecting to existing drain	15 days	24/02/2025	12/03/2025	30/07/2025	15/08/2025	127 days	1191
1193	**ELS Works & Removal of Existing Ground for CLC Building (FT1 Portion)**	**7 days**	**24/02/2025**	**03/03/2025**	**24/02/2025**	**14/03/2025**	**0 days**	
1194	Excavation & Removal of Bar Fencing (Along EVA), U-channel& Existing Grou	5 days	24/02/2025	28/02/2025	10/03/2025	14/03/2025	12 days	1137,1191
1195	Open Cut Excavation for CLC Building	7 days	24/02/2025	03/03/2025	24/02/2025	03/03/2025	0 days	1191
1196	**Removal Works of Height Restriction Gantry along new EVA**	**13 days**	**25/01/2025**	**12/02/2025**	**17/02/2025**	**03/03/2025**	**16 days**	
1197	Pre-check of Height Restriction Gantry	3 days	25/01/2025	28/01/2025	17/02/2025	19/02/2025	16 days	1140FS+1 day
1198	Removal & Lifting Operation of Height Restriction Gantry	10 days	01/02/2025	12/02/2025	20/02/2025	03/03/2025	16 days	1143,1197
1199	**Underground Utilities Works**	**110 days**	**20/01/2025**	**06/06/2025**	**15/03/2025**	**15/08/2025**	**44 days**	**1125**
1200	UU(PE & uPVC pipes) Material Ordering & Purchasing	7 days	20/01/2025	27/01/2025	08/08/2025	15/08/2025	162 days	1163
1201	Drainage, Sewage & UUs(include Elect, Plumbing & FS) Portion 1 - near FT1 &	21 days	01/03/2025	25/03/2025	15/03/2025	09/04/2025	12 days	1163,1164,1166,119
1202	XP Application for Sewer Connection at Site Entrance	74 days	20/01/2025	22/04/2025	10/04/2025	11/07/2025	65 days	
1203	RMO RA Application	10 days	23/04/2025	06/05/2025	12/07/2025	23/07/2025	65 days	1202
1204	TTA Set up for Road Works	5 days	07/05/2025	12/05/2025	24/07/2025	29/07/2025	65 days	1203
1205	Trial Pit Works for Existing Public Sewage System	5 days	13/05/2025	17/05/2025	30/07/2025	04/08/2025	65 days	1204,1210
1206	Sewage Connection Works to Existing System	10 days	19/05/2025	29/05/2025	05/08/2025	15/08/2025	65 days	1166,120S
1207	Drainage, Sewage & UUs(include Elect, Plumbing & FS) Portion 2 - near Site E	64 days	10/02/2025	28/04/2025	23/04/2025	10/07/2025	59 days	1219
1208	HKT Broadband XP Application for Kiu Cheong Road	30 days	20/01/2025	26/02/2025	19/05/2025	23/06/2025	94 days	1174
1209	HKT RMO RA Application	10 days	27/02/2025	10/03/2025	24/06/2025	05/07/2025	94 days	1208
1210	TTA Set up for Road Works	5 days	11/03/2025	15/03/2025	07/07/2025	11/07/2025	94 days	1209
1211	Excavation & Installation works for HKT	30 days	17/03/2025	23/04/2025	12/07/2025	15/08/2025	94 days	1210
1212	Water Supply Inspection & Meter installation	25 days	29/04/2025	29/05/2025	18/07/2025	15/08/2025	65 days	1207
1213	CLP Pole Mounted Transformer installation	36 days	10/02/2025	22/03/2025	23/04/2025	06/06/2025	59 days	1207SS,1134
1214	CLP Switch Gear Installation	8 days	24/03/2025	01/04/2025	07/06/2025	16/06/2025	59 days	1213
1215	CLP Lead-in Cable Duct Installation	8 days	02/04/2025	11/04/2025	17/06/2025	25/06/2025	59 days	1214
1216	Testing & Commissioning	13 days	12/04/2025	29/04/2025	26/06/2025	11/07/2025	59 days	1215
1217	CLP Energization	30 days	30/04/2025	06/06/2025	12/07/2025	15/08/2025	59 days	1216
1218	EVA road work	30 days	29/04/2025	05/06/2025	12/07/2025	15/08/2025	60 days	1207
1219	Access Road at Mid-Way between PM office & CLC Building to be provided for SHK	0 days	10/02/2025	10/02/2025	23/04/2025	23/04/2025	59 days	
1220	**CLC Building RC Works**	**176 days**	**11/01/2025**	**15/08/2025**	**20/02/2025**	**15/08/2025**	**31 days**	
1221	Construction of footings for CLC building (Portion 1 - near L9 Road)	14 days	20/02/2025	07/03/2025	20/02/2025	07/03/2025	0 days	1198SS,1195FF+4 da
1222	Construction of footings for CLC building (Portion 2 - Near proposed EVA)	14 days	28/02/2025	15/03/2025	28/02/2025	15/03/2025	0 days	1221SS+7 days
1223	MiC off-site fabrication	15 days	11/01/2025	28/01/2025	07/03/2025	24/03/2025	44 days	1151,1154
1224	MiC installation	21 days	25/03/2025	18/04/2025	25/03/2025	18/04/2025	0 days	1222FS+7 days,1223
1225	Glass / windows installation	40 days	22/04/2025	10/06/2025	24/04/2025	12/06/2025	2 days	1224
1226	Conference room and roof finishing	21 days	22/04/2025	17/05/2025	22/04/2025	17/05/2025	0 days	1224
1227	**CLT office, Backdoor entrance, staircase and toilet**	**48 days**	**22/04/2025**	**19/06/2025**	**22/04/2025**	**20/06/2025**	**0 days**	
1228	Internal finishing	21 days	22/04/2025	17/05/2025	22/04/2025	17/05/2025	0 days	1226SS
1229	Electrical and Lighting Works	21 days	30/04/2025	26/05/2025	19/05/2025	12/06/2025	14 days	1228SS+7 days
1230	Air Condition Installation Works	21 days	19/05/2025	12/06/2025	19/05/2025	12/06/2025	0 days	1228
1231	Plumbing, drainage service and sanitary ware installation	21 days	19/05/2025	12/06/2025	19/05/2025	12/06/2025	0 days	1230SS
1232	Final touch-up for finishing	6 days	13/06/2025	19/06/2025	13/06/2025	19/06/2025	0 days	1229,1230,1231,122
1233	**Commissioning to CLT office**	**0 days**	**19/06/2025**	**19/06/2025**	**20/06/2025**	**20/06/2025**	**0 days**	**1232**
1234	**Ground Floor : Main entrance, Exhibition hall, toilet and back of house**	**75 days**	**19/05/2025**	**15/08/2025**	**19/05/2025**	**15/08/2025**	**0 days**	
1235	Internal finishing	33 days	19/05/2025	26/06/2025	19/05/2025	26/06/2025	0 days	1228
1236	Electrical and Lighting Works	28 days	05/06/2025	08/07/2025	15/07/2025	15/08/2025	33 days	1229,1235SS+14 da
1237	Air Condition Installation Works	28 days	27/06/2025	30/07/2025	27/06/2025	30/07/2025	0 days	1230,1235
1238	Plumbing, drainage service and sanitary ware installation	28 days	27/06/2025	30/07/2025	27/06/2025	30/07/2025	0 days	1237SS
1239	WWO46 Part 4 & Part 5 for Completion of Plumbing works (Phase 1)	14 days	31/07/2025	15/08/2025	31/07/2025	15/08/2025	0 days	1238
1240	**Lift design and construction**	**119 days**	**09/01/2025**	**06/06/2025**	**22/03/2025**	**15/08/2025**	**59 days**	
1241	Lift fabrication off-site	60 days	09/01/2025	22/03/2025	22/03/2025	06/06/2025	59 days	1186
1242	E&M installation	21 days	09/01/2025	05/02/2025	23/07/2025	15/08/2025	157 days	1186
1243	Lift Installation	40 days	24/03/2025	14/05/2025	07/06/2025	24/07/2025	59 days	1241
1244	Testing and Commissioning	12 days	15/05/2025	28/05/2025	25/07/2025	07/08/2025	59 days	1243
1245	EMSD Form 5 inspection / permit issuance	7 days	29/05/2025	06/06/2025	08/08/2025	15/08/2025	59 days	1244
1246	**FS Water Tank RC Works**	**49 days**	**20/02/2025**	**18/04/2025**	**12/04/2025**	**24/06/2025**	**43 days**	**1122**
1247	Base Slab Construction	21 days	20/02/2025	15/03/2025	12/04/2025	10/05/2025	43 days	1198
1248	External RC Wall, Water Tank & Roof Slab	21 days	25/03/2025	18/04/2025	30/05/2025	24/06/2025	52 days	1247FS+7 days
1249	**FS Installation**	**44 days**	**22/04/2025**	**14/06/2025**	**25/06/2025**	**15/08/2025**	**52 days**	
1250	FS Installation	23 days	22/04/2025	20/05/2025	25/06/2025	22/07/2025	52 days	1248
1251	Pumping system installation	23 days	22/04/2025	20/05/2025	25/06/2025	22/07/2025	52 days	1248
1252	Testing and Commissioning	14 days	21/05/2025	06/06/2025	23/07/2025	07/08/2025	52 days	1250,1251
1253	FSD inspection	7 days	07/06/2025	14/06/2025	08/08/2025	15/08/2025	52 days	1252
1254	**Exhibition design and installation**	**328 days**	**06/06/2024**	**14/07/2025**	**13/11/2024**	**05/11/2025**	**132 days**	
1255	Design of exhibits / interior design	105 days	02/10/2024	08/02/2025	13/11/2024	21/03/2025	35 days	
1256	Approval of exhibits / interior design	14 days	10/02/2025	25/02/2025	22/03/2025	08/04/2025	35 days	1255
1257	Subletting	14 days	26/02/2025	13/03/2025	09/04/2025	26/04/2025	35 days	1256
1258	Material submission / approval	21 days	14/03/2025	08/04/2025	28/04/2025	23/05/2025	35 days	1257



Project : YL/2023/01
Data Date : 05 Jan 2025 (Rev. 7)

Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Inactive Task | Inactive Summary | Duration-only | Manual Summary | Finish-only | Deadline
Critical Task | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary | Inactive Milestone | Manual Task | Manual Summary Rollup | Start-only | Progress

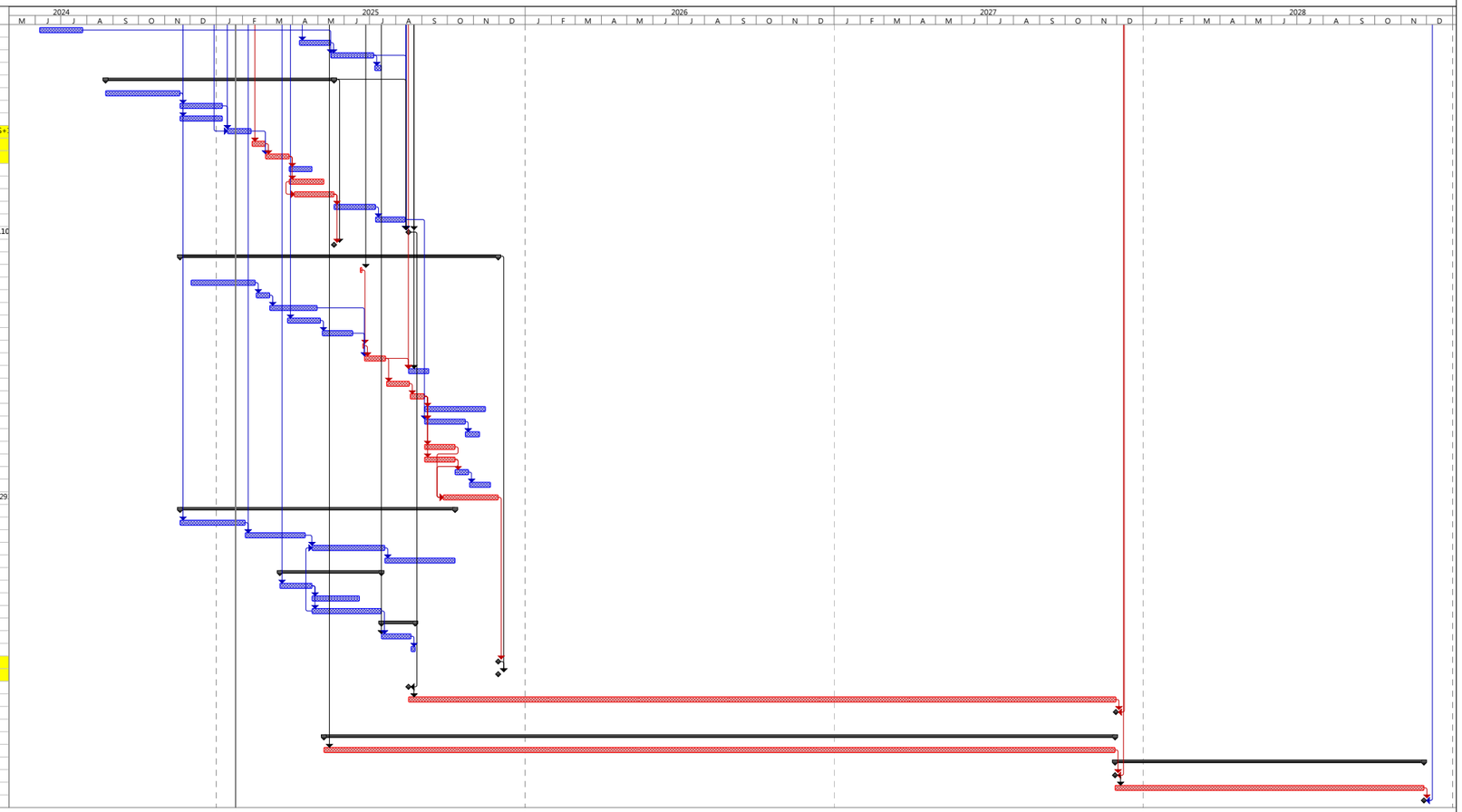
Contract No. YL/2023/01

Hung Shui Kiu / Ha Tsuen New Development Area

Second Phase Development - Contract 1 - Site Formation and Engineering Infrastructure Works

Programme for the Works (Data Date : 05 Jan 2025)

ID	Task Name	Duration	Start	Finish	Late Start	Late Finish	Float	Predecessors
1259	Internal finishing	42 days	06/06/2024	26/07/2024	08/05/2025	26/06/2025	272 days	
1260	Fabrication of exhibits	28 days	09/04/2025	15/05/2025	24/05/2025	26/06/2025	35 days	1258
1261	Installation of exhibits (Dust free)	42 days	16/05/2025	05/07/2025	27/06/2025	15/08/2025	35 days	1259,1260
1262	Testing and commissioning	7 days	07/07/2025	14/07/2025	28/10/2025	05/11/2025	96 days	1261
1263	**PM Office Construction Works**	**217 days**	**23/08/2024**	**19/05/2025**	**16/09/2024**	**19/05/2025**	**20 days**	
1264	Architectural design / approval	72 days	23/08/2024	18/11/2024	16/09/2024	11/12/2024	20 days	
1265	Footing design / approval	40 days	19/11/2024	07/01/2025	12/12/2024	03/02/2025	20 days	1264
1266	Structural design / approval	40 days	19/11/2024	07/01/2025	28/03/2025	19/05/2025	105 days	1264
1267	Construction of PM Office Footing	21 days	14/01/2025	10/02/2025	04/02/2025	27/02/2025	15 days	1157,1265,1131SS+
1268	MiC off-site fabrication	14 days	12/02/2025	27/02/2025	12/02/2025	27/02/2025	0 days	1160
1269	MiC Installation	24 days	28/02/2025	27/03/2025	28/02/2025	27/03/2025	0 days	1268,1267
1270	UU Works for PM office	20 days	28/03/2025	23/04/2025	24/04/2025	19/05/2025	20 days	1269
1271	Internal Finishing for PM office	30 days	28/03/2025	07/05/2025	28/03/2025	07/05/2025	0 days	1269
1272	E&M, Plumbing & Water Supply works for PM office and internal furniture	35 days	03/04/2025	19/05/2025	03/04/2025	19/05/2025	0 days	1271SS+5 days
1273	Footing for hoarding	40 days	20/05/2025	07/07/2025	07/07/2025	21/08/2025	39 days	1272
1274	Footway / planter	30 days	08/07/2025	11/08/2025	22/08/2025	24/09/2025	39 days	1273
1275	**Completion of New CLC**	**0 days**	**15/08/2025**	**15/08/2025**	**15/08/2025**	**15/08/2025**	**0 days**	**1245,1252,1261,110**
1276	**Completion of PM office**	**0 days**	**19/05/2025**	**19/05/2025**	**19/05/2025**	**19/05/2025**	**0 days**	**1272,1263**
1277	**Relocation of existing CLC building**	**308 days**	**19/11/2024**	**29/11/2025**	**17/01/2025**	**29/11/2025**	**48 days**	
1278	Relocation of CLT Office to New CLC	2 days	20/06/2025	21/06/2025	20/06/2025	21/06/2025	0 days	1233
1279	Structural design / approval	60 days	02/12/2024	15/02/2025	27/01/2025	10/04/2025	45 days	
1280	Subletting	14 days	17/02/2025	04/03/2025	11/04/2025	29/04/2025	45 days	1279
1281	Fabrication of retrofitting part of CLC	45 days	05/03/2025	29/04/2025	30/04/2025	24/06/2025	45 days	1280
1282	ELS Works for CLT office & Corridors	30 days	26/03/2025	03/05/2025	10/04/2025	19/05/2025	12 days	1201
1283	Construction of Footings for CLT office & Corridors	30 days	06/05/2025	10/06/2025	20/05/2025	24/06/2025	12 days	1282
1284	Dismantling of internal furniture / fixtures	2 days	23/06/2025	24/06/2025	23/06/2025	24/06/2025	0 days	1278
1285	Relocation to new CLC location	21 days	25/06/2025	19/07/2025	25/06/2025	19/07/2025	0 days	1281,1283,1284
1286	Installation of Corridor Steel Frame	21 days	16/08/2025	08/09/2025	06/11/2025	29/11/2025	68 days	1285,1187,1191
1287	Installation of retrofitting part	24 days	21/07/2025	16/08/2025	21/07/2025	16/08/2025	0 days	1285
1288	External wall	15 days	18/08/2025	03/09/2025	18/08/2025	03/09/2025	0 days	1287
1289	Facade installation	60 days	04/09/2025	14/11/2025	18/09/2025	29/11/2025	13 days	1288
1290	Toilet fixture installation	40 days	04/09/2025	21/10/2025	25/09/2025	13/11/2025	19 days	1288,1274
1291	Pluming and drainage service installation	14 days	22/10/2025	07/11/2025	14/11/2025	29/11/2025	19 days	1290
1292	Installation of E&M work	30 days	04/09/2025	09/10/2025	04/09/2025	09/10/2025	0 days	1288
1293	Installation of FS	30 days	04/09/2025	09/10/2025	04/09/2025	09/10/2025	0 days	1288
1294	FSI testing and commissioning	14 days	10/10/2025	25/10/2025	20/10/2025	05/11/2025	8 days	1293
1295	FSD inspection	21 days	27/10/2025	20/11/2025	06/11/2025	29/11/2025	8 days	1294
1296	Installation of Exhibits / internal finishing	53 days	26/09/2025	29/11/2025	26/09/2025	29/11/2025	0 days	1292FS-10 days,129
1297	**Landscaping work**	**265 days**	**19/11/2024**	**09/10/2025**	**17/01/2025**	**29/11/2025**	**48 days**	
1298	Landscape design	60 days	19/11/2024	03/02/2025	17/01/2025	31/03/2025	48 days	1145
1299	Fabrication of landscape hard work	60 days	04/02/2025	15/04/2025	01/04/2025	16/06/2025	48 days	1298,1176
1300	Installation / construction of planter	70 days	24/04/2025	18/07/2025	17/06/2025	06/09/2025	43 days	1299,1305SS
1301	Landscape soft work	70 days	19/07/2025	09/10/2025	07/09/2025	29/11/2025	43 days	1300
1302	**Miscellaneous Civil Works**	**96 days**	**17/03/2025**	**14/07/2025**	**12/05/2025**	**29/11/2025**	**43 days**	
1303	Footing for hoarding	30 days	17/03/2025	23/04/2025	12/05/2025	16/06/2025	43 days	1247
1304	hoarding / feature wall erection	45 days	24/04/2025	18/06/2025	08/10/2025	29/11/2025	138 days	1303
1305	Footway / planter	66 days	24/04/2025	14/07/2025	17/06/2025	02/09/2025	43 days	1303
1306	**External Facilities & Lighting**	**35 days**	**15/07/2025**	**23/08/2025**	**20/10/2025**	**29/11/2025**	**82 days**	
1307	EV Charger, Street Furniture & Lighting	30 days	15/07/2025	18/08/2025	20/10/2025	24/11/2025	82 days	1305,1177
1308	WR1 Form Inspection by CP	5 days	19/08/2025	23/08/2025	25/11/2025	29/11/2025	82 days	1307
1309	**Completion of Relocation of existing CLC**	**0 days**	**29/11/2025**	**29/11/2025**	**29/11/2025**	**29/11/2025**	**0 days**	**1296**
1310	**Complete and commissioning of relocated CLC Building - KD7**	**0 days**	**29/11/2025**	**29/11/2025**	**29/11/2025**	**29/11/2025**	**0 days**	**1277,1309**
1311	**Completion of Key Date 7A of the works (06 Jun 2025)**	0 days	15/08/2025	15/08/2025	15/08/2025	15/08/2025	0 days	1275FF
1312	**Maintenance after Key Date 7A**	**684 days**	16/08/2025	29/11/2027	16/08/2025	29/11/2027	0 days	1311
1313	**Completion of Defect Liability Period od Section 22 of the Works**	0 days	29/11/2027	29/11/2027	29/11/2027	29/11/2027	0 days	1312,48FF
1314								
1315	**25. Section 23 of the works (all landscape softworks) - 935D**	**767 days**	**08/05/2025**	**28/11/2027**	**08/05/2025**	**28/11/2027**	**0 days**	
1316	Landscaping softworks	767 days	08/05/2025	28/11/2027	08/05/2025	28/11/2027	0 days	16
1317	**26. Section 24 of the works (establishment works) - 365D**	**307 days**	**28/11/2027**	**27/11/2028**	**28/11/2027**	**27/11/2028**	**0 days**	
1318	**Completion of Section 23 of the works**	0 days	28/11/2027	28/11/2027	28/11/2027	28/11/2027	0 days	1316,49FF
1319	Establishment Works for landscaping softworks	307 days	29/11/2027	27/11/2028	29/11/2027	27/11/2028	0 days	1318
1320	**Completion of Section 23 of the works**	0 days	27/11/2028	27/11/2028	27/11/2028	27/11/2028	0 days	1319,50FF



Construction Programme for Contract 2

ARUP

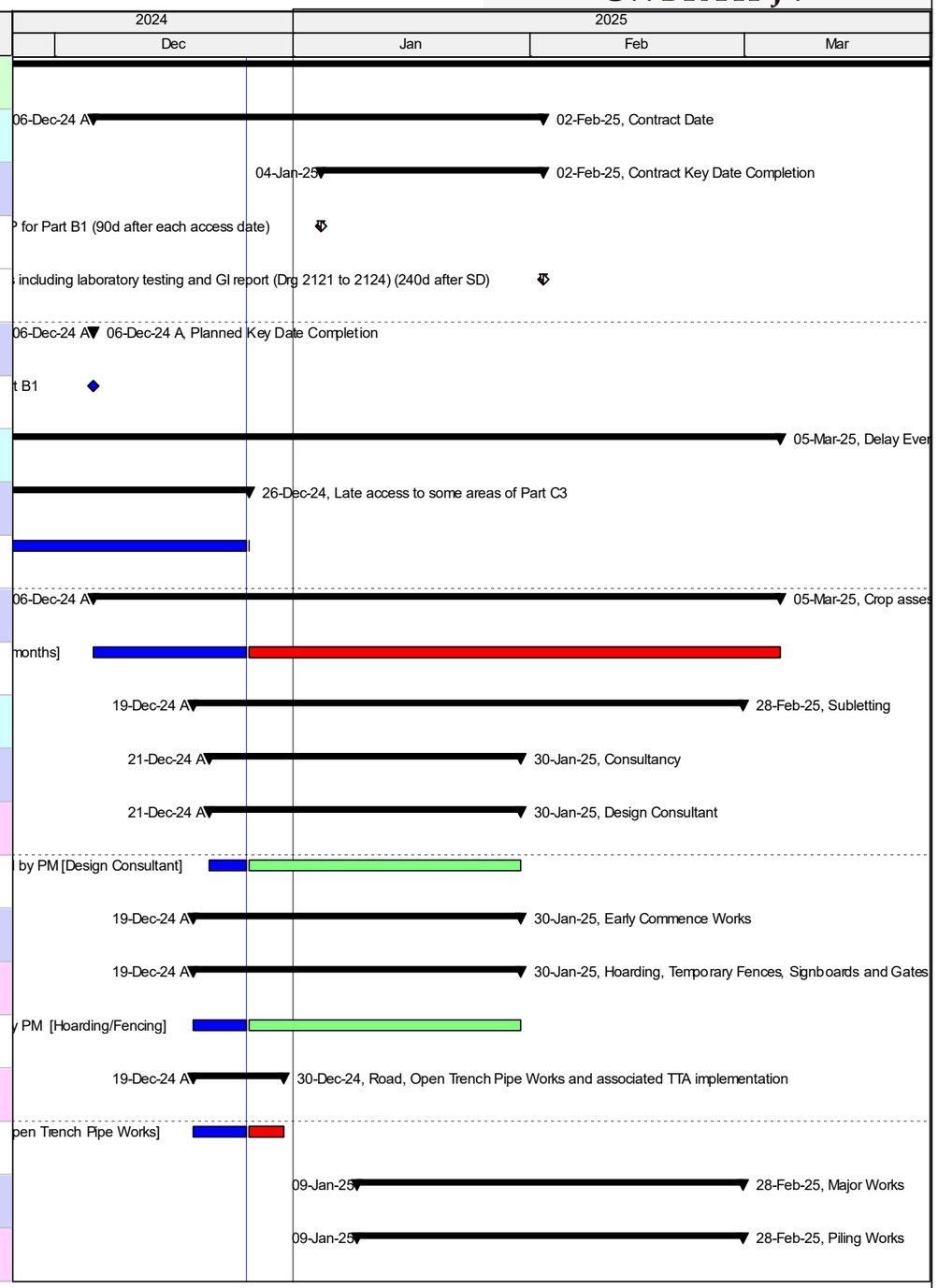
CEDD 土木工程拓展署 Civil Engineering and Development Department

Contract No. YL/2023/02

Hung Shui Kiu/ Ha Tsuen New Development Area Second Phase Development - Contract 2 - Fresh Waster Services Reservoir and Associated Mainlaying Works

CWBKYH JV

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
YL/2023/02 Monthly Programme for Dec 2024		823	03-Jun-24 A	06-May-27	477
Contract Date		29	06-Dec-24 A	02-Feb-25	0
Contract Key Date Completion		29	04-Jan-25	02-Feb-25	0
KD-030	KD3 - Complete all tree survey/submit the tree survey reports/TPRP for Part B1 (90d after each access date)	0		04-Jan-25*	0
KD-010	KD1 - Complete all GI works for boreholes including laboratory testing and GI report (Drg 2121 to 2124) (240d after SD)	0		02-Feb-25*	0
Planned Key Date Completion		0	06-Dec-24 A	06-Dec-24 A	
KD-035	KD3 - Complete all tree survey/submit the tree survey reports/Tree Preservation/Removal Proposal for Part B1	0		06-Dec-24 A	
Delay Event		182	07-Jun-24 A	05-Mar-25	257
Late access to some areas of Part C3		15	07-Jun-24 A	26-Dec-24	327
DE01-100	Late access to some areas of Part C3 (Sha Ha Road) up to this datadate	15	07-Jun-24 A	26-Dec-24	327
Crop assessment by Lands department		90	06-Dec-24 A	05-Mar-25	-141
DE06-100	Crop assessment by Lands department [Assume 3 months]	90	06-Dec-24 A	05-Mar-25	-141
Subletting		51	19-Dec-24 A	28-Feb-25	1293
Consultancy		21	21-Dec-24 A	30-Jan-25	577
Design Consultant		21	21-Dec-24 A	30-Jan-25	577
S-270	Accpeted by PM [Design Consultant]	21	21-Dec-24 A	30-Jan-25	577
Early Commence Works		24	19-Dec-24 A	30-Jan-25	1322
Hoarding, Temporary Fences, Signboards and Gates Works at Part B2, C1 & E of the Site		21	19-Dec-24 A	30-Jan-25	1322
S-350	Accpeted by PM [Hoarding/Fencing]	21	19-Dec-24 A	30-Jan-25	1322
Road, Open Trench Pipe Works and associated TTA implementation		21	19-Dec-24 A	30-Dec-24	35
S-430	Accpeted by PM [Road and Open Trench Pipe Works]	21	19-Dec-24 A	30-Dec-24	35
Major Works		51	09-Jan-25	28-Feb-25	76
Piling Works		51	09-Jan-25	28-Feb-25	76



Summary | Actual LOE | Remaining LOE | Actual Work | Remaining Work | Critical Remaining Work | Milestone | Crit Milestone | Actual Milestone | Start Constraint | Finish C... | No Pred... | No Suc...

Project ID: MPU20241225

HSK - Three-Month Rolling Programme ~ Jan to Mar 2025

Data Date: 25-Dec-24
Printed: 09-Jan-25 09:45
Layout: HSK - Three-Month Rolling Programme
TASK filters: 3 month rolling

ARUP

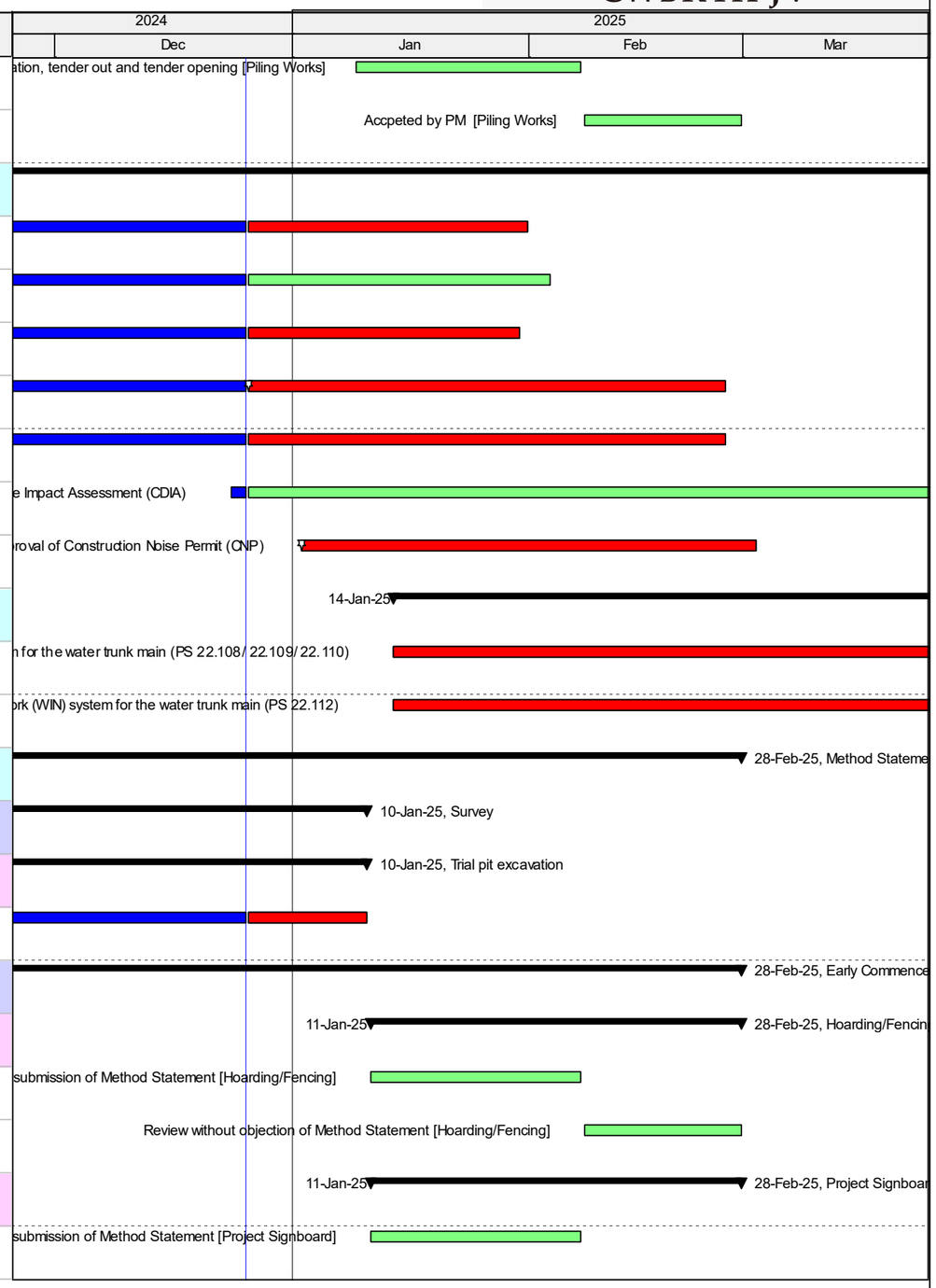
CEDD 土木工程拓展署 Civil Engineering and Development Department

Contract No. YL/2023/02

Hung Shui Kiu/ Ha Tsuen New Development Area Second Phase Development - Contract 2 - Fresh Waster Services Reservoir and Associated Mainlaying Works

CWBKYH JV

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
S-150	Preparation, tender out and tender opening [Piling Works]	30	09-Jan-25	07-Feb-25	76
S-480	Accpeted by PM [Piling Works]	21	08-Feb-25	28-Feb-25	76
Major Submission / Statutory Approval		333	03-Jun-24 A	21-Jun-25	353
SP-160	Request UU drawings	120	03-Jun-24 A	31-Jan-25	1
SP-130	Coordination with MTRC regarding construction works within MTR's protection zone (Castle Peak Road)	180	12-Jul-24 A	03-Feb-25	426
SP-100	Discharge License	30	05-Aug-24 A	30-Jan-25	38
SP-110	Application of XP [normal XP, assume with wavier]	180	09-Aug-24 A	26-Feb-25	16
SP-120	Submission and Approval of TTA scheme/ assume during 2 TMLG (monthly interval) engage RMO/TD	60	31-Oct-24 A	26-Feb-25	16
SP-140	Submission and Approval of Construction Drainage Impact Assessment (CDIA)	180	24-Dec-24 A	21-Jun-25	353
SP-150	Submission and Approval of Construction Noise Permit (CNP)	60	02-Jan-25*	02-Mar-25	0
Major Contractor's Design		90	14-Jan-25	13-Apr-25	32
D-130	Submit & Approve - Cathodic Protection System for the water trunk main (PS 22.108/ 22.109/ 22.110)	90	14-Jan-25	13-Apr-25	32
D-120	Submit & Approve - Water Intelligent Network (WIN) system for the water trunk main (PS 22.112)	90	14-Jan-25	13-Apr-25	32
Method Statement		156	28-Aug-24 A	28-Feb-25	1293
Survey		21	28-Aug-24 A	10-Jan-25	-87
Trial pit excavation		21	28-Aug-24 A	10-Jan-25	-87
MST-200	Review without objection of Method Statement [Trial pit excavation]	21	28-Aug-24 A	10-Jan-25	-87
Early Commence Works		156	25-Oct-24 A	28-Feb-25	1293
Hoarding/Fencing		49	11-Jan-25	28-Feb-25	1293
MST-320	Preparation and submission of Method Statement [Hoarding/Fencing]	28	11-Jan-25	07-Feb-25	1293
MST-330	Review without objection of Method Statement [Hoarding/Fencing]	21	08-Feb-25	28-Feb-25	1293
Project Signboard		49	11-Jan-25	28-Feb-25	1293
MST-340	Preparation and submission of Method Statement [Project Signboard]	28	11-Jan-25	07-Feb-25	1293



Summary | Actual LOE | Remaining LOE | Actual Work | Remaining Work | Critical Remaining Work | Milestone | Crit Milestone | Actual Milestone | Start Constraint | Finish C... | No Pred... | No Suc...

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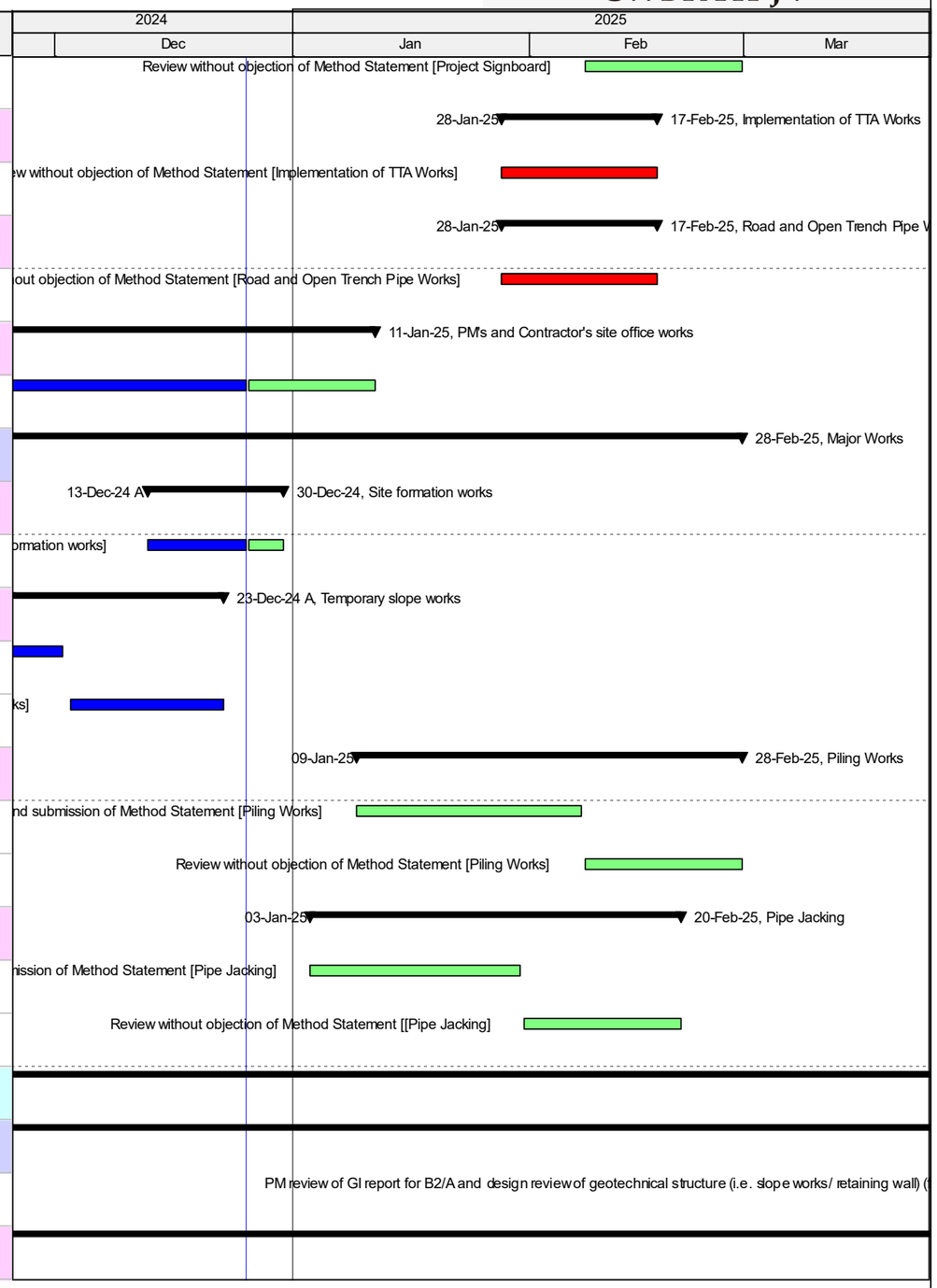
CEDD 土木工程拓展署 Civil Engineering and Development Department

Contract No. YL/2023/02

Hung Shui Kiu/ Ha Tsuen New Development Area Second Phase Development - Contract 2 - Fresh Waster Services Reservoir and Associated Mainlaying Works

CWBKYH JV

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
MST-350	Review without objection of Method Statement [Project Signboard]	21	08-Feb-25	28-Feb-25	1293
Implementation of TTA Works		21	28-Jan-25	17-Feb-25	35
MST-590	Review without objection of Method Statement [Implementation of TTA Works]	21	28-Jan-25	17-Feb-25	35
Road and Open Trench Pipe Works		21	28-Jan-25	17-Feb-25	35
MST-400	Review without objection of Method Statement [Road and Open Trench Pipe Works]	21	28-Jan-25	17-Feb-25	35
PM's and Contractor's site office works		60	25-Oct-24 A	11-Jan-25	1327
MST-630	Review without objection of Method Statement [both RSS and MTRC]	60	25-Oct-24 A	11-Jan-25	1327
Major Works		89	25-Nov-24 A	28-Feb-25	232
Site formation works		21	13-Dec-24 A	30-Dec-24	109
MST-510b	Review without objection of Method Statement Rev.A [Site formation works]	21	13-Dec-24 A	30-Dec-24	109
Temporary slope works		32	25-Nov-24 A	23-Dec-24 A	
MST-650	Preparation and submission of Method Statement [Temporary slope works]	28	25-Nov-24 A	02-Dec-24 A	
MST-660	Review without objection of Method Statement [Temporary slope works]	21	03-Dec-24 A	23-Dec-24 A	
Piling Works		51	09-Jan-25	28-Feb-25	76
MST-120	Preparation and submission of Method Statement [Piling Works]	30	09-Jan-25	07-Feb-25	76
MST-450	Review without objection of Method Statement [Piling Works]	21	08-Feb-25	28-Feb-25	76
Pipe Jacking		49	03-Jan-25	20-Feb-25	240
MST-130	Preparation and submission of Method Statement [Pipe Jacking]	28	03-Jan-25	30-Jan-25	240
MST-580	Review without objection of Method Statement [[Pipe Jacking]	21	31-Jan-25	20-Feb-25	240
Site Works		771	13-Sep-24 A	06-May-27	477
Preliminary Works for Fresh Water Service Reservoir (within Part A, B1, B2)		156	11-Nov-24 A	24-Jun-25	88
S0-350	PM review of GI report for B2/A and design reviewof geotechnical structure (i.e. slope works/ retaining wall) (for KD1)	36	08-Apr-25	13-May-25	148
Ground Investigation Works (under KD1)		156	11-Nov-24 A	24-Jun-25	-115



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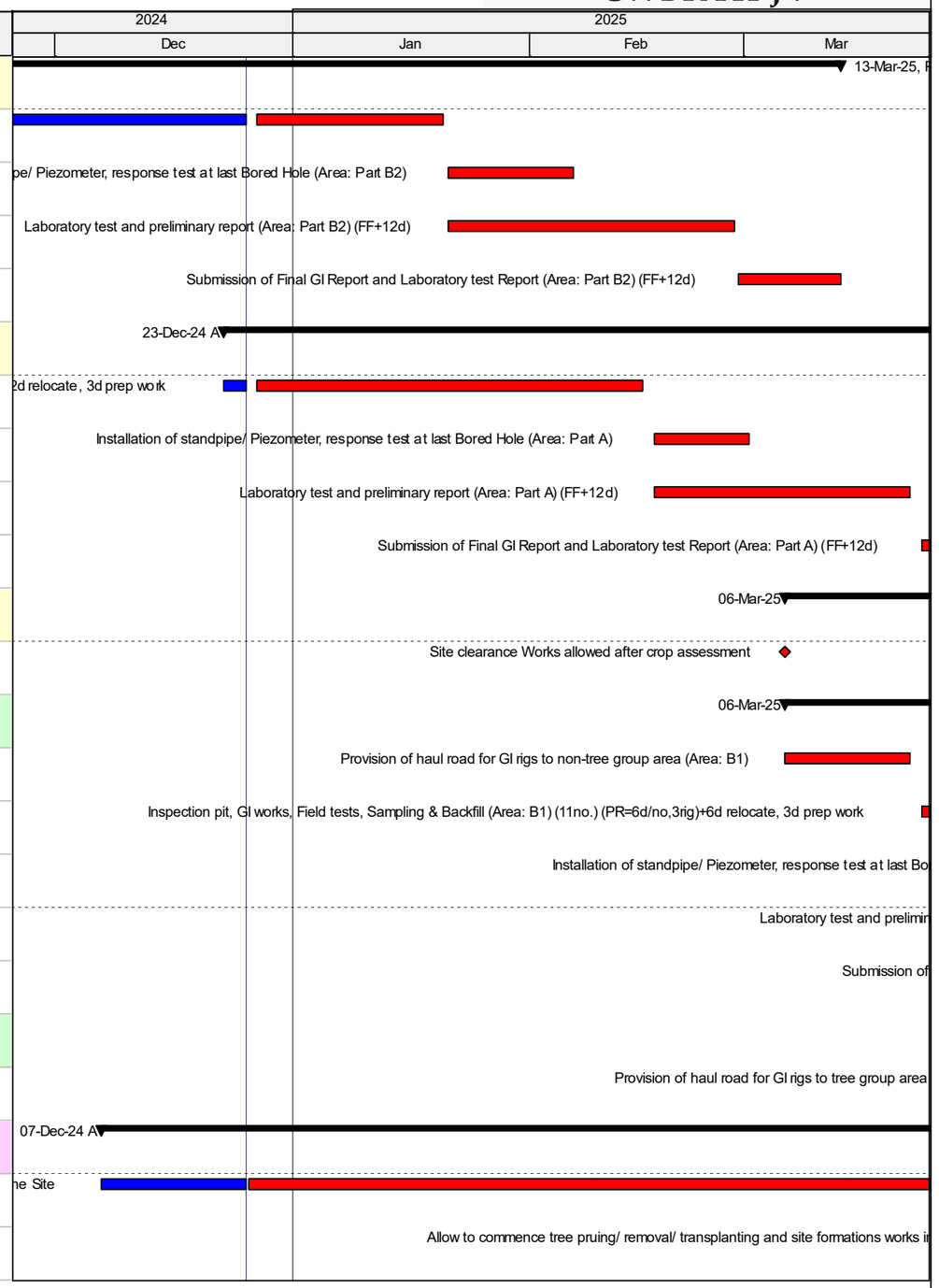
Hung Shui Kiu/ Ha Tsuen New Development Area Second Phase Development - Contract 2 - Fresh Waster Services Reservoir and Associated Mainlaying Works

CWBKYH JV

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Part B2		75	11-Nov-24 A	13-Mar-25	-34
S0-310	Inspection pit, GI works, Field tests, Sampling & Backfill (Area: B2) (9no.) (PR=6d/no,2rig) +6d relocate, 3d prep work	58	11-Nov-24 A	20-Jan-25	-34
S0-320	Installation of standpipe/ Piezometer, response test at last Bored Hole (Area: Part B2)	12	21-Jan-25	06-Feb-25	-16
S0-330	Laboratory test and preliminary report (Area: Part B2) (FF+12d)	30	21-Jan-25	27-Feb-25	-34
S0-340	Submission of Final GI Report and Laboratory test Report (Area: Part B2) (FF+12d)	12	28-Feb-25	13-Mar-25	-34
Part A		77	23-Dec-24 A	07-Apr-25	-54
S0-110	Inspection pit, GI works, Field tests, Sampling & Backfill (Area: A) (10no.) (PR=6d/no, 3rig) +12d relocate, 3d prep work	35	23-Dec-24 A	15-Feb-25	-54
S0-120	Installation of standpipe/ Piezometer, response test at last Bored Hole (Area: Part A)	12	17-Feb-25	01-Mar-25	-36
S0-130	Laboratory test and preliminary report (Area: Part A) (FF+12d)	30	17-Feb-25	22-Mar-25	-54
S0-140	Submission of Final GI Report and Laboratory test Report (Area: Part A) (FF+12d)	12	24-Mar-25	07-Apr-25	-54
Part B1		88	06-Mar-25	24-Jun-25	-115
S0-800	Site clearance Works allowed after crop assessment	0	06-Mar-25		-141
Non- tree group area		88	06-Mar-25	24-Jun-25	-115
S0-200a10	Provision of haul road for GI rigs to non-tree group area (Area: B1)	15	06-Mar-25	22-Mar-25	-115
S0-690	Inspection pit, GI works, Field tests, Sampling & Backfill (Area: B1) (11no.) (PR=6d/no,3rig)+6d relocate, 3d prep work	31	24-Mar-25	03-May-25	-115
S0-700	Installation of standpipe/ Piezometer, response test at last Bored Hole (Area: Part B1 non-tree group area)	12	06-May-25	19-May-25	-97
S0-710	Laboratory test and preliminary report (Area: Part B1 non-tree group area)	30	06-May-25	10-Jun-25	-115
S0-720	Submission of Final GI Report and Laboratory test Report (Area: Part B1 non-tree group area) (FF+12d)	12	11-Jun-25	24-Jun-25	-115
Tree group area		13	07-Apr-25	24-Apr-25	-131
S0-200a	Provision of haul road for GI rigs to tree group area (Area: B1)	13	07-Apr-25	24-Apr-25	-131
Tree Survey and Report (under KD3) Part B1		94	07-Dec-24 A	07-Apr-25	-131
S0-520	Approval process for submission of TPRP/ supplementary TPRP within Part B1 of the Site	120	07-Dec-24 A	05-Apr-25	-160
S0-530	Allow to commence tree pruing/ removal/ transplanting and site formations works in Part B1	0	07-Apr-25		-131



Summary | Actual LOE | Remaining LOE | Actual Work | Remaining Work | Critical Remaining Work | Milestone | Crit Milestone | Actual Milestone | Start Constraint | Finish C... | No Pred... | No Suc...

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Contract No. YL/2023/02

Hung Shui Kiu/ Ha Tsuen New Development Area Second Phase Development - Contract 2 - Fresh Waster Services Reservoir and Associated Mainlaying Works

CWBKYH JV

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Construction Works under Section 1 - All works within Part A (Soil= 75,437m3; Rock=189,258m3)		144	10-Oct-24 A	26-May-25	116
S1-100	Tree Felling, Protection to preserved trees, Survey - non tree group surveyed area	60	10-Oct-24 A	05-Jan-25	129
S1-100b	Site Clearance - non tree group surveyed area	42	06-Jan-25	16-Feb-25	129
S1-110	Formation of haul road connecting Part B2 and A to a +59mPD platform	21	17-Feb-25	12-Mar-25	104
S1-120	Tree Felling, transplant, Protection to preserved trees, Site Clearance, Survey - in tree group surveyed area	75	13-Mar-25	26-May-25	131
S1-130	Site setup, Preparation works at lower part for establishing stockpile area at +59mPD platform	48	25-Mar-25	26-May-25	110
S1-200	Site setup, Preparation works at upper part for establishing stockpile area at +103mPD platform	48	25-Mar-25	26-May-25	116
Construction Works under Section 2 - All works within Part B1 and B2		262	20-Sep-24 A	20-Aug-25	128
Site Formation Works in Part B2 (Soil=25,511m3; Rock=2,293m3; Soil Fill for Temp Road=4,900m3)		240	20-Sep-24 A	25-Jul-25	68
East Side of Part B2 (A2 Road: From 1100 to 1250)		240	20-Sep-24 A	25-Jul-25	66
S2-1-100	Tree felling and site clearance along haul road	60	20-Sep-24 A	28-Dec-24	86
S2-1-100a	Site Clearance at Part B2 Site	60	02-Dec-24 A	30-Jan-25	159
S2-1-120	Trial Pit works, Field tests, Sampling & Backfill within Part B2 Site (Total: 3no.)	12	11-Jan-25	24-Jan-25	59
S2-1-110	Formation of haul road and soil platform for piling works (Total:4,900m3)(one-lane traffic)(Total:227x12m,2724m2) 2plant	45	25-Jan-25	21-Mar-25	59
S2-1-220	Tree pruning, root cutting and tree transplant (Total: 3no.) +3x 30d for root cutting, 7d for tree transplant	97	31-Jan-25	07-May-25	159
S2-1-130	Pre-drilling works (Total: 14no.) (PR=3d/no), 2rigs	21	19-Feb-25	14-Mar-25	59
S2-1-140	Installation of soldier pile for construction of AR-RW11 to 13 (Total: 59no) (PR=4d/no) 2 rigs	118	01-Mar-25	25-Jul-25	59
West & North Side of Part B2 - (W) A2 Road: from 1000 to 1100 & (N) A1 Road: from 1250 to 1310		84	30-Dec-24	11-Apr-25	151
S2-1-600	Site Clearance, Survey witin Part B2 Site	60	30-Dec-24	13-Mar-25	151
S2-1-610	(N) Excavation from B2 North Site and form a haul road at approx. 68-70mPD [** 1]	24	14-Mar-25	11-Apr-25	151
Site Formation Works in Part B1		136	06-Mar-25	20-Aug-25	128
Access Road to Frech Water Service Reservoir and Slopeworks at East (Soil=67,950m3; Rock=2,205m3)		60	06-Mar-25	04-May-25	14
S2-2-R100	Preliminary Works, Site clearance at no tree area, Survey (East of FWSR)	60	06-Mar-25	04-May-25	14

Summary
Actual LOE
Remaining LOE
Actual Work
Remaining Work
Critical Remaining Work
Milestone
Crit Milestone
Actual Milestone
Start Constraint
Finish C...
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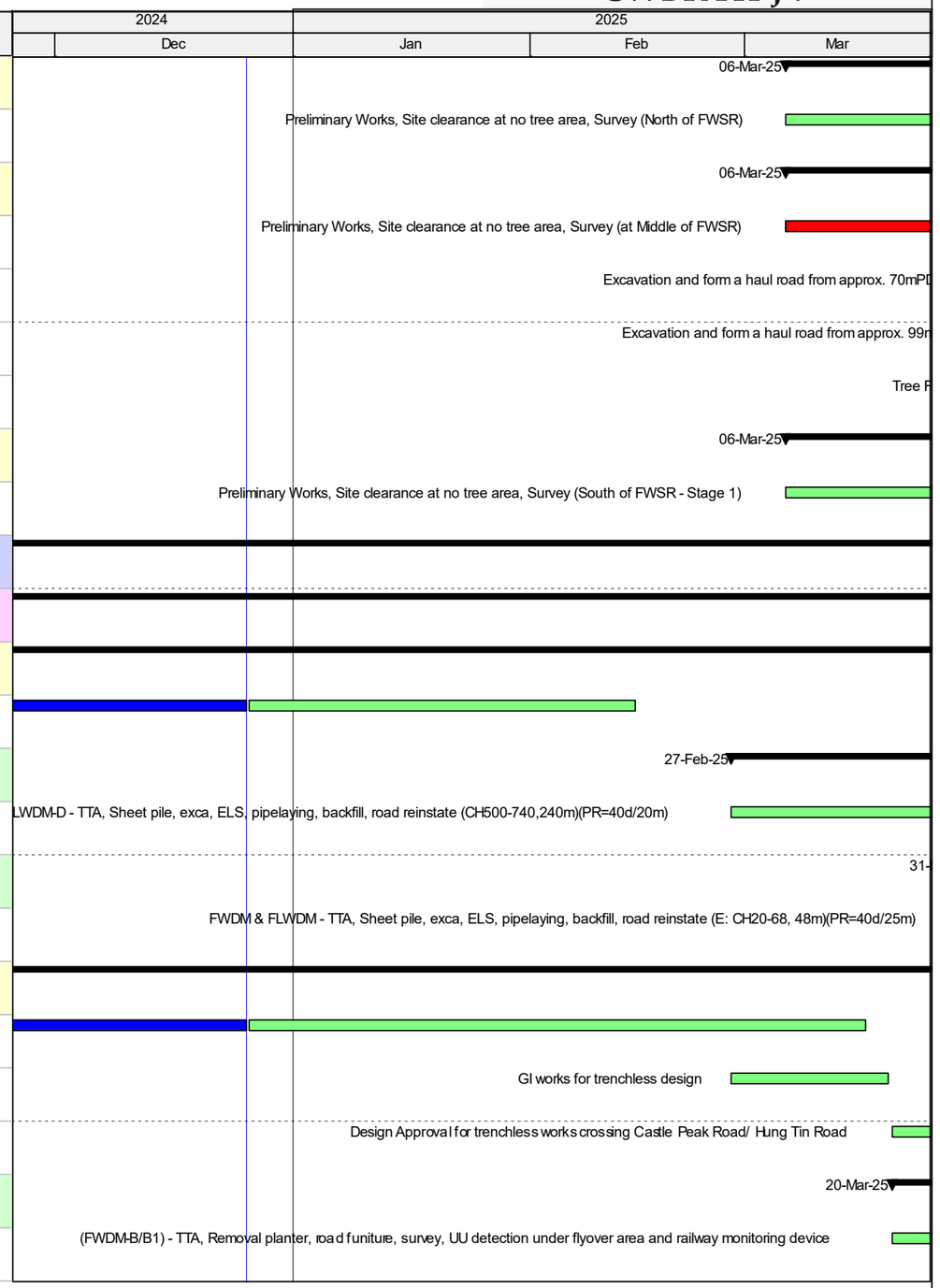
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
	Compartment 1 (North) / North Section of Fresh Water SR (Soil=76,212m3; Rock=39,674m3)	60	06-Mar-25	04-May-25	131
S2-2-300	Preliminary Works, Site clearance at no tree area, Survey (North of FWSR)	60	06-Mar-25	04-May-25	131
	Compartment 2 (Middle) / Middle Section of Fresh Water SR (Soil=194,896m3; Rock=85,365m3)	136	06-Mar-25	20-Aug-25	11
S2-2-500	Preliminary Works, Site clearance at no tree area, Survey (at Middle of FWSR)	60	06-Mar-25	04-May-25	14
S2-2-520	Excavation and form a haul road from approx. 70mPD to 99mPD for access to middle FWSR [** 2]	12	06-May-25	19-May-25	11
S2-2-530	Excavation and form a haul road from approx. 99mPD to 110mPD for access to west side of middle FWSR [** 3]	12	20-May-25	03-Jun-25	11
S2-2-510	Tree Felling, Protection to preserved trees, Site Clearance, Survey (at Middle of FWSR)	78	04-Jun-25	20-Aug-25	13
	Compartment 3 (South) / South Section of Fresh Water SR (Soil=176,384m3; Rock=140,884m3)	60	06-Mar-25	21-May-25	204
S2-2-700	Preliminary Works, Site clearance at no tree area, Survey (South of FWSR - Stage 1)	60	06-Mar-25	21-May-25	204
	Construction Works under Section 3 - All works within Part C1 and C2	747	18-Oct-24 A	06-May-27	477
	XP Area 2	580	18-Oct-24 A	09-Oct-26	644
	Construction in Part C1 Site (near Shek Po Tsuen)	580	18-Oct-24 A	09-Oct-26	644
S3-4-120	Approval process for submission of TPRP/ supplementary TPRP within Part C1 of the Site	120	18-Oct-24 A	14-Feb-25	592
	Mainlaying Works along Shek Po East Road (FWDM-D & FLWDM-D), D: CH500 - CH740	480	27-Feb-25	09-Oct-26	644
S3-4-200	FWDM-D & FLWDM-D - TTA, Sheet pile, exca, ELS, pipelaying, backfill, road reinstate (CH500-740,240m)(PR=40d/20m)	480	27-Feb-25	09-Oct-26	644
	Mainlaying Works along Hung Chi Road (FWDM-D/E & FLWDM-D/E), D: CH260 - CH500; E: CH0 - CH68	80	31-Mar-25	10-Jul-25	92
S3-4-350	FWDM & FLWDM - TTA, Sheet pile, exca, ELS, pipelaying, backfill, road reinstate (E: CH20-68, 48m)(PR=40d/25m)	80	31-Mar-25	10-Jul-25	92
	Construction in Part C1 Site (near Tin Shui Wai West Interchange)	187	18-Oct-24 A	17-Jul-25	367
S3-3-120	Approval process for submission of TPRP/ supplementary TPRP within Part C1 of the Site	120	18-Oct-24 A	16-Mar-25	130
S3-3-130	GI works for trenchless design	18	27-Feb-25	19-Mar-25	101
S3-3-140	Design Approval for trenchless works crossing Castle Peak Road/ Hung Tin Road	120	20-Mar-25	17-Jul-25	449
	Mainlaying Works along Hung Tin Road Northbound (FWDM-B/B1, FLWDM-B/B1)	36	20-Mar-25	07-May-25	101
S3-3-200	(FWDM-B/B1) - TTA, Removal planter, road funiture, survey, UU detection under flyover area and railway monitoring device	36	20-Mar-25	07-May-25	101



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Actual Work
Remaining Work
Critical Remaining Work
Milestone
Crit Milestone
Actual Milestone
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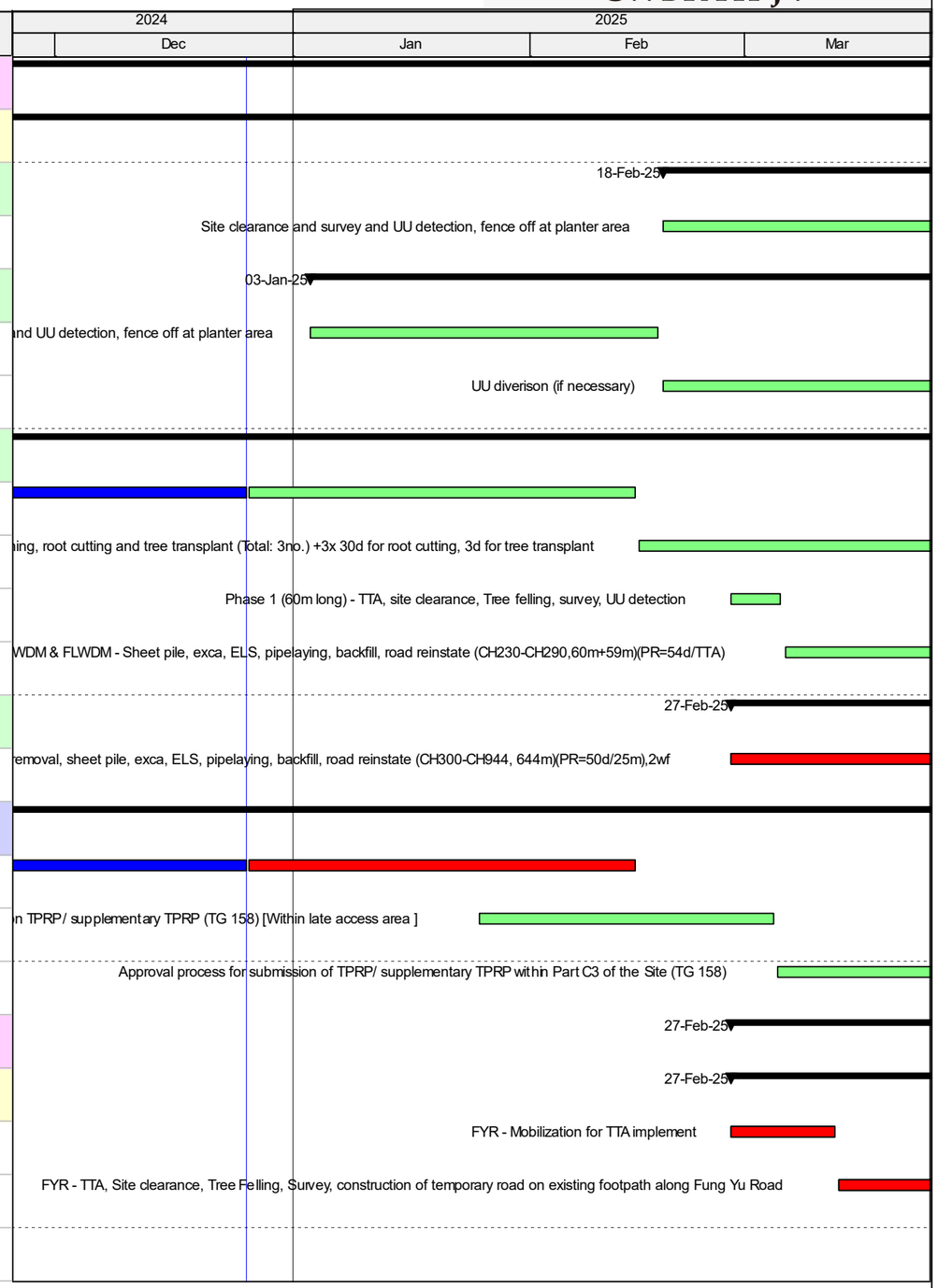
Build King YEE HOP

CWBKYH JV

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
XP Area 3		734	18-Oct-24 A	06-May-27	27
Construction in Part C1 Site (near Wo Ping San Tsuen)		734	18-Oct-24 A	06-May-27	27
Mainlaying Works along Village Road (FWDM-F, FLWDM-F), F: FW CH0 - CH52/ FLW CH0 - CH51		36	18-Feb-25	31-Mar-25	311
S3-2-100	Site clearance and survey and UU detection, fence off at planter area	36	18-Feb-25	31-Mar-25	311
Mainlaying Works across Nullah (FWDM-F, FLWDM-F), F: FW CH52 - CH112/ FLW CH51 - CH110		132	03-Jan-25	17-Jun-25	311
S3-2-200	Pipe Bridge - Site clearance and survey and UU detection, fence off at planter area	36	03-Jan-25	17-Feb-25	311
S3-2-210	UU diverison (if necessary)	120	18-Feb-25	17-Jun-25	383
Mainlaying Works along Tat Fuk Street (FWDM-F, FLWDM-F), F: FW CH112 - 290/ FLW CH110 - 289		150	18-Oct-24 A	18-May-25	488
S3-2-400b	Approval process for submission of TPRP/ supplementary TPRP	120	18-Oct-24 A	14-Feb-25	597
S3-2-400T	Tree pruning, root cutting and tree transplant (Total: 3no.) +3x 30d for root cutting, 3d for tree transplant	93	15-Feb-25	18-May-25	597
S3-2-410	Phase 1 (60m long) - TTA, site clearance, Tree felling, survey, UU detection	6	27-Feb-25	05-Mar-25	485
S3-2-420	FWDM & FLWDM - Sheet pile, exca, ELS, pipelaying, backfill, road reinstate (CH230-CH290,60m+59m)(PR=54d/TTA)	54	06-Mar-25	14-May-25	485
Mainlaying Works along Shun Tat Street (FWDM-F, FLWDM-F), F: FW CH290 - CH944/ FLW CH289 - CH941		647	27-Feb-25	06-May-27	27
S3-2-510	FWDM- TTA, removal, sheet pile, exca, ELS, pipelaying, backfill, road reinstate (CH300-CH944, 644m)(PR=50d/25m),2wf	647	27-Feb-25	06-May-27	27
Construction Works under Section 4 - All works within Part C3		362	18-Oct-24 A	14-Jan-26	294
S4-120	Approval process for submission of TPRP/ supplementary TPRP within Part C3 of the Site (incl. TG 159)	120	18-Oct-24 A	14-Feb-25	42
S4-140	Tree Survey and submit survey record to PM and submission TPRP/ supplementary TPRP (TG 158) [Within late access area]	30	25-Jan-25	04-Mar-25	454
S4-150	Approval process for submission of TPRP/ supplementary TPRP within Part C3 of the Site (TG 158)	120	05-Mar-25	02-Jul-25	558
XP Area 1		262	27-Feb-25	14-Jan-26	92
Mainlaying Works along Fung Yu Road		51	27-Feb-25	02-May-25	14
S4-195	FYR - Mobilization for TTA implement	12	27-Feb-25	12-Mar-25	14
S4-200	FYR - TTA, Site clearance, Tree Felling, Survey, construction of temporary road on existing footpath along Fung Yu Road	36	13-Mar-25	28-Apr-25	14
S4-210	Shift the traffic onto temporary road	3	29-Apr-25	02-May-25	14



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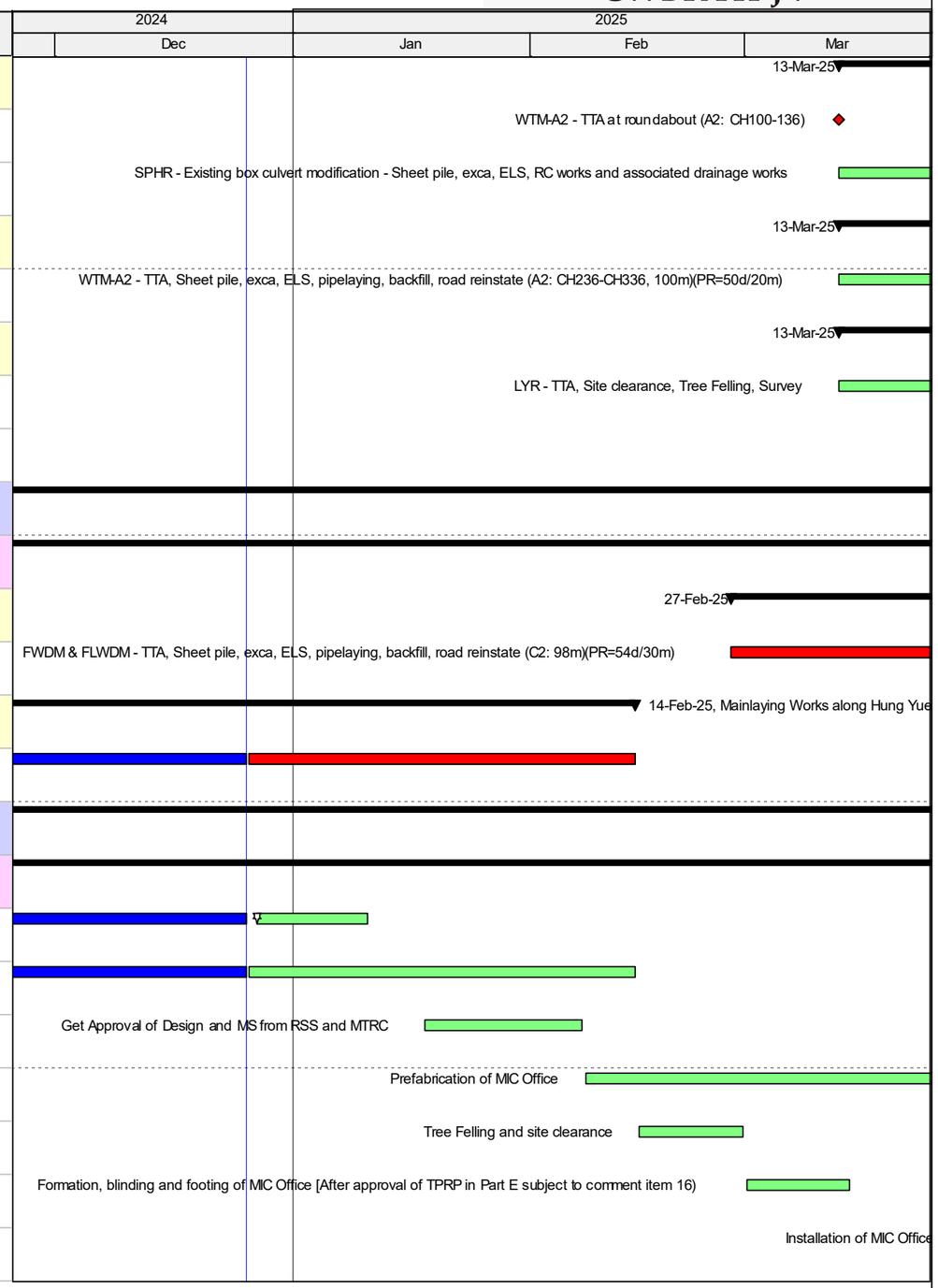
CWBKYH JV

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
	Mainlaying Works along Shap Pat Heung Road	95	13-Mar-25	10-Jul-25	63
S4-300	WTM-A2 - TTA at roundabout (A2: CH100-136)	0	13-Mar-25		57
S4-310	SPHR - Existing box culvert modification - Sheet pile, exca, ELS, RC works and associated drainage works	120	13-Mar-25	10-Jul-25	74
	Mainlaying Works along Lam Hau Tsuen Road	250	13-Mar-25	14-Jan-26	92
S4-410	WTM-A2 - TTA, Sheet pile, exca, ELS, pipelaying, backfill, road reinstate (A2: CH236-CH336, 100m)(PR=50d/20m)	250	13-Mar-25	14-Jan-26	92
	GI Works at both Lam Yu Road and Shan Ha Road	54	13-Mar-25	21-May-25	224
S4-500	LYR - TTA, Site clearance, Tree Felling, Survey	36	13-Mar-25	28-Apr-25	203
S4-510	GI works for trenchless design	18	29-Apr-25	21-May-25	224
	Construction Works under Section 5 - All works within Part C4	260	18-Oct-24 A	30-Sep-25	22
	XP Area 2	260	18-Oct-24 A	30-Sep-25	22
	Mainlaying Works along Hung Shui Kiu Tin Sam Road (FWDM-B/C, FLWDM-B/C) B: CH410 - 620, C: CH0 - 158	177	27-Feb-25	30-Sep-25	22
S5-230a	FWDM & FLWDM - TTA, Sheet pile, exca, ELS, pipelaying, backfill, road reinstate (C2: 98m)(PR=54d/30m)	177	27-Feb-25	30-Sep-25	22
	Mainlaying Works along Hung Yuen Road (FWDM-D & FLWDM-D), D: CH0 - CH260	120	18-Oct-24 A	14-Feb-25	38
S5-120	Approval process for submission of TPRP/ supplementary TPRP within Part C4 of the Site	120	18-Oct-24 A	14-Feb-25	38
	Construction Works under Section 7 / 8 / 9	186	13-Sep-24 A	16-May-25	1038
	Section 7 - MIC Site office	186	13-Sep-24 A	16-May-25	1038
S7-090	Get Approval of MS of Site Clearance at Part E from RSS and MTRC	39	13-Sep-24 A	10-Jan-25	1089
S7-100a	Get Approval of TPRP at Part E - Fell Tree	120	18-Oct-24 A	14-Feb-25	1293
S7-100d	Get Approval of Design and MS from RSS and MTRC	21	18-Jan-25	07-Feb-25	1279
S7-100f	Prefabrication of MIC Office	42	08-Feb-25	28-Mar-25	1038
S7-100b	Tree Felling and site clearance	12	15-Feb-25	28-Feb-25	1050
S7-100e	Formation, blinding and footing of MIC Office [After approval of TPRP in Part E subject to comment item 16)	12	01-Mar-25	14-Mar-25	1050
S7-100g	Installation of MIC Office	36	29-Mar-25	16-May-25	1038



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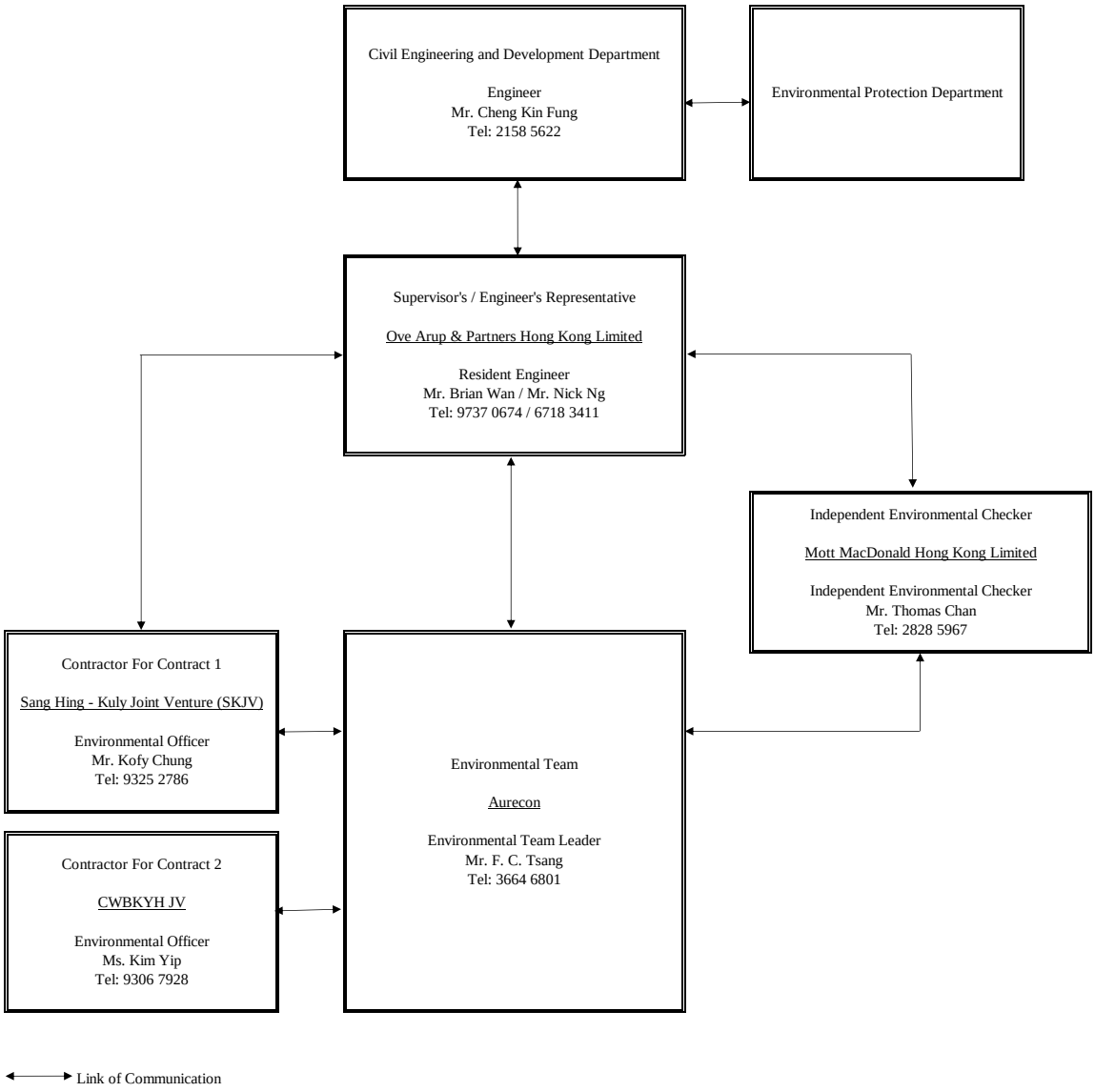
Appendix 1.2 Project Organization Chart

Project Organization Chart



Appendix 1.3 Implementation Status of Environmental Mitigation Measure

Environmental Mitigation Implementation Schedule (EMIS)

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
Air Quality						
S4.10	Watering once per hour on active works areas, exposed areas and unpaved haul roads to reduce dust emission	To minimize the dust impact	Contractor	Construction Phase	• Air Pollution Control Ordinance (APCO) • To control the dust impact to meet HKAQO and TM-EIAO criteria	Implemented
	The active construction works area should be reduced to one-third of monthly average work of the respective Work Contract so as to alleviate adverse dust impact.					N/A
	When there are open excavation and spoil handling works, hoarding of 3m high should be provided along the construction site boundary adjacent to the non-construction areas such as residential, educational institutes or recreation area in use so as to minimize the dust impact.					N/A
	Dust suppression measures stipulated in Air Pollution Control (Construction Dust) Regulation and good site practices: • Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather. • Use of frequent watering for particularly dusty construction areas and areas close to Air Sensitive Receivers (ASRs). • Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines. • Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. • Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. • Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. • Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading area of barging point, and use of water sprinklers at the loading				• Air Pollution Control (Construction Dust) Ordinance (APCO) • To control the dust impact to meet HKAQO and TM-EIAO criteria	Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods. • Provision of not less than 2.4m high hoarding from ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period. • Imposition of speed controls for vehicles on site haul roads. • Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs. • Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides.					
Construction Noise						
S5.13	Use of quiet plant which should be made reference to the Powered Mechanical Equipment (PME) listed in the Technical Memorandum or the Quality Powered Mechanical Equipment (QPME) / other commonly used PME listed in Environmental Protection Department (EPD) web pages as far as possible which includes the Sound Power Level (SWLs) for specific quiet PME.	Reduce the noise levels of plant items	Contractor	Construction Phase	EIAO-TM	Implemented
S5.13	Install movable noise barrier and enclosures. The movable noise barrier can provide 5 dB(A) noise reduction for mobile plant and 10 dB(A) noise reduction for static plant. The barrier material shall have a surface mass of not less than 14 kg/m2. The enclosures can provide 15 dB(A) noise reduction.	Screen the noisy plant items to be used at all construction sites				N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
S5.13	Proper workfront management and proper grouping of PME during construction activities operated at the critical work areas.	Reduce the construction noise impact				N/A
S5.13	Maintain the recommended minimum separation between the schools and the critical works areas during examination periods.					N/A
S5.13	<u>Good Site Management Practices</u> • only well-maintained plant should be operated on-site, and plant should be serviced regularly during the construction programme; • machines and plant (such as trucks and cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; • plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs • silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works • mobile plant should be sited as far away from NSRs as possible and practicable; and • material stockpiles, site offices and other structures should be effectively utilized, where practicable, to screen noise from on-site construction activities.	Control construction airborne noise				Implemented
S5.13	Liaison with the school representative(s) to obtain the examination schedule so as to avoid noisy construction activities during school examination period.					Implemented
S5.13	Set up a liaison group among CEDD, relevant government departments, contractors of the Works contracts, etc. during construction phase of the Project to ensure proper implementation of mitigation measures.					N/A
Water Quality						

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
S6.11	Surface run-off from construction sites should be discharged into stormwater drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sedimentation basins. Channels/earth bunds/sandbag barriers should be provided on site to properly direct stormwater to such silt removal facilities. 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. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks.	To minimise impact from construction site run-off	Contractor	Construction Phase	• Water Pollution Control Ordinance (WPCO), Technical Memorandum on EIA Ordinance (EIAO-TM), ProPECC PN 1/94, • Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-DSS)	Implemented
S6.11	Silt removal facilities, channels and manholes should be maintained, and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to prevent local flooding. Any practical options for the diversion and re-alignment of drainage should comply with both engineering and environmental requirements in order to provide adequate hydraulic capacity of all drains.					N/A
S6.11	Construction works should be programmed to minimise soil excavation works in rainy seasons (April to September). If excavation in soil cannot be avoided in these months or at any time of year when rainstorms are likely, for the purpose of preventing soil erosion, temporary exposed slope surfaces should be covered e.g. by tarpaulin, and temporary access roads should be protected by crushed stone or gravel, as excavation proceeds. Intercepting channels should be provided (e.g., along the crest / edge of excavation) to prevent stormwater run-off from washing across exposed soil surfaces. Arrangements should always be in place in such a way that adequate surface protection measures can be safely carried out well before the arrival of a rainstorm.					Implemented
S6.11	Earthworks final surfaces should be well compacted, and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary.					N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
S6.11	Measures should be taken to minimize the ingress of rainwater into trenches. If excavation of trenches in wet seasons is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations should be discharged into stormwater drains via silt removal facilities.					N/A
S6.11	Open stockpiles of construction materials (e.g., aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric during rainstorms.					N/A
S6.11	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent stormwater run-off from getting into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.					N/A
S6.11	Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis.					Implemented
S6.11	Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be re-circulated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into stormwater drains via silt removal facilities.	To minimise impact from boring and drilling water				Implemented
S6.11	All vehicles and plants should be cleaned before they leave a construction site to minimise the deposition of earth, mud, debris on roads. A wheel washing bay should be provided at every site exit if practicable and wash-water should have sand and silt settled out or removed before discharging into stormwater drains. The section of construction road between the wheel washing bay and the public road should be paved with backfall to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	To minimise impact from wheel washing water				Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
S6.11	Acidic wastewater generated from acid cleaning, etching, pickling and similar activities should be neutralised to within the pH range of 6 to 10 before discharging into foul sewers.	To minimise impact from acidic wastewater				N/A
S6.11	There is a need to apply to EPD for a discharge licence for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge licence. All the run-off and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS.	To minimise impact from effluent discharges				N/A
S6.11	Beneficial uses of the treated effluent for other on-site activities such as dust suppression, wheel washing and general cleaning etc., can minimise water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO licence. The beneficial uses of the treated effluent for other on-site activities such as dust suppression, wheel washing and general cleaning etc., can minimise water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO licence.	To minimise impact from effluent discharges				N/A
S6.11	To minimise the potential water quality impacts from the construction works located near any inland watercourses, the practices outlined in ETWB TC (Works) No. 5/2005 “Protection of natural streams/rivers from adverse impacts arising from construction works” should be adopted where applicable: • Impermeable sheet piles and cofferdams should be used as required to divert water flow from the construction works area so that all the construction works would be undertaken within a dry zone and physically separated from the watercourses.	To minimise impact from construction works near watercourses			• WPCO, EIAO-TM, ETWB TC9Works) No. 5/2005	Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	• The proposed works should preferably be carried out within the dry season where the flow in the stormwater culvert/water channel/stream is low. • The use of less or smaller construction plants may be specified in works areas close to the inland water bodies. • Temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from any watercourses during carrying out of the construction works. • Stockpiling of construction materials and dusty materials should be covered and located away from any watercourses. • Construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nearby water receivers. • Construction activities, which generate large amount of wastewater, should be carried out in a distance away from the watercourses, where practicable. • Mitigation measures to control site run-off from entering the nearby water environment should be implemented to minimise water quality impacts. Surface channels should be provided along the edge of the waterfront within the work sites to intercept the run-off. • Construction effluent, site run-off and sewage should be properly collected and/or treated. • Any temporary works site inside the stormwater watercourses should be temporarily isolated, such as by placing of sandbags or silt curtains with lead edge at bottom and properly supported props to prevent adverse impact on the stormwater quality. • Proper shoring may need to be erected in order to prevent soil/mud from slipping into the inland water bodies.					

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
S6.11	The key water quality measure for protection of the revitalised drainage channel water is to avoid polluted site run-off from reaching the revitalised drainage channel water. Relevant mitigation measures should follow the practices outlined in ETWB TC (Works) No. 5/2005 "Protection of natural streams / rivers from adverse impacts arising from construction works" as listed below: • Impermeable sheet piles and cofferdams should be used as required to divert water flow from the construction works area so that all the construction works would be undertaken within a dry zone and physically separated from the revitalised drainage channel water. • The proposed works should preferably be carried out within the dry season where the flow in the revitalised drainage channel is low. • The use of less or smaller construction plants may be specified in works areas close to the revitalised drainage channel. • Temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction materials should be located well away from the revitalised drainage channel during carrying out of the construction works. • Stockpiling of construction materials and dusty materials should be covered and located away from the revitalised drainage channel water. • Construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nearby revitalised drainage channel. • Construction activities, which generate large amount of wastewater, should be carried out a distance away from the revitalised drainage channel, where practicable. • Mitigation measures to control site run-off from entering the nearby revitalised drainage channel should be implemented to minimise water quality impacts. Surface channels should be provided along the edge of the	To minimise impact from revitalisation and greening of Drainage Channel Banks				Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	revitalised drainage channel within the work sites to intercept the run-off. • Construction effluent, site run-off and sewage should be properly collected and/or treated. • Any temporary works site inside the revitalised drainage channel should be temporarily isolated, such as by placing of sandbags or silt curtains with lead edge at bottom and properly supported props to prevent adverse impact on the revitalised drainage channel water. Proper shoring may need to be erected in order to prevent soil / mud from slipping into the revitalised drainage channel.					
S6.11	The construction method and sequence of the proposed construction in watercourses / concrete flood storage pond for works sites of DP12 should be carefully designed so that all the construction works including any excavation and pilling operations would be undertaken within a dry zone and physically separated from the watercourses downstream.	To minimise impact from construction in watercourses / concrete flood storage pond			WPCO, EIAO-TM	N/A
S6.11	Impermeable sheet pile walls or cofferdam walls or steel casing should be installed to fully enclose the construction works area (including all the excavation and piling works) in the watercourse / pond prior to the commencement of any works in watercourse / pond. Dewatering of the construction works area or diversion of water flow should be undertaken before the construction works to avoid water flow in the construction works area. Silt removal facilities should be used to clarify the effluent generated from the dewatering operation before discharging back to the watercourse / drainage system.	To minimise impact from construction in watercourses / concrete flood storage pond			WPCO, EIAO-TM, TM-DSS	N/A
S6.11	Any construction works including excavation and pilling activities should be undertaken in a dry zone surrounded by the impermeable sheet pile walls or cofferdam walls or steel casing. Silt curtains should also be deployed around the construction works area inside the watercourse, where practicable, as a second layer of protection to further minimise sediment and contaminant release. All wastewater generated from the pilling activities should be regarded as	To minimise impact from construction in watercourses / concrete flood storage pond			WPCO, EIAO-TM	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	part of the construction site effluent, which should be properly collected and treated as appropriate to meet the standards stipulated in the TM-DSS before disposal. It is recommended that the construction works in watercourses / pond should be undertaken in dry seasons, where practicable, when the water flow is low.					
S6.11	Construction works for removal and diversion of watercourses should be undertaken within a dry zone. Where necessary, cofferdams or similar impermeable sheet pile walls should be used to isolate the works areas from the neighbouring waters.	To minimise impact from removal and diversion of watercourse			WPCO, EIAO-TM	N/A
S6.11	Construction works at watercourse should be undertaken only after flow diversion or dewatering operation is fully completed to avoid water flow in the works area. Dewatering of watercourse should be performed by diverting the water flow to new or temporary drainage. Where necessary, cofferdams or similar impermeable sheet pile walls should be used to isolate the works areas from neighbouring waters. The permanent or temporary drainage for carrying the diverted flow from existing watercourse to be removed should be constructed and completed before dewatering of that existing watercourse. Construction of all the proposed permanent and temporary drainage should be undertaken in a dry zone prior to receiving any water flow.				WPCO, EIAO-TM, TM-DSS	N/A
S6.11	The Contractor should provide a dry zone for all the construction works to be undertaken in watercourses and stormwater drainage following the tentative works sequence as described above or using other approved methods as appropriate to suit the works condition. The flow diversion works should be conducted in dry season, where possible, when the flow in the watercourse is low. The wastewater and ingress water from the site should be properly treated to comply with the WPCO and the TM-DSS before discharge.				WPCO, EIAO-TM, TM-DSS	N/A
S6.11	The site practices outlined in the ProPECC PN 1/94 “Construction Site Drainage” and ETWB TC (Works) No. 5/2005 “Protection of natural streams/rivers from adverse impacts arising from construction works” should be adopted				WPCO, EIAO-TM, ProPECC PN 1/94,	Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	for the proposed demolition or diversion of watercourses where applicable.				ETWB TC (Works) No. 5/2005	
S6.11	Construction works at the existing ponds / wet areas should be conducted only after dewatering of these ponds / wet areas is fully completed. The drained water generated from the dewatering of these ponds / wet areas to be removed should be temporarily stored in appropriate storage tanks or containers for reuse on-site as far as possible. Any surplus drained water should be tankered away for proper disposal at STW in a controlled manner.	To minimise impact from removal of ponds / wet areas			WPCO, EIAO-TM	N/A
S6.11	It is recommended to drain only one pond at a time to minimise the potential water quality impact. Dewatering works at ponds / wet areas should be conducted within dry season to minimise the quantity of drained water. No direct discharge of drained water to the stormwater drainage system or marine water should be allowed.					N/A
S6.11	Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation, should be observed and complied with for control of chemical wastes.	To minimise impact from accidental spillage			WPCO, Waste Disposal Ordinance (WDO), Waste Disposal (Chemical Waste) (General) Regulation, EIAO-TM	Implemented
S6.11	Any service workshop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.				WPCO, WDO, Waste Disposal (Chemical Waste) (General) Regulation, EIAO-TM	N/A
S6.11	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal					N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: • Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. • Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents. • Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.					
S6.11	No discharge of sewage to the stormwater system and marine water will be allowed. Adequate and sufficient portable chemical toilets should be provided in the works areas to handle sewage from construction workforce. A licensed waste collector should be employed to clean and maintain the chemical toilets on a regular basis.	To minimise impact from workforce sewage effluent			WPCO, EIAO-TM, TM-DSS	Implemented
S6.11	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the surrounding environment. Regular environmental audit of the construction site should be conducted to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site.				WPCO, EIAO-TM	N/A
S6.11	Any excavated contaminated material and exposed contaminated surface should be properly housed and covered to avoid generation of contaminated run-off. Open stockpiling of contaminated materials should not be allowed. Any contaminated run-off or wastewater generated from the land decontamination processes should be properly collected and diverted to wastewater treatment facilities (WTF). The WTF shall deploy suitable treatment processes (e.g. oil interceptor / activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (such as total petroleum hydrocarbon) to an undetectable range. All treated effluent from the wastewater treatment system shall meet the requirements as stated in	To minimise impact from contaminated site run-off and wastewater from land decontamination			WPCO, EIAO-TM, TM-DSS	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	TM-DSS and should be either discharged into the foul sewers or tankered away for proper disposal.					
S6.11	No direct discharge of groundwater from contaminated areas should be adopted. Prior to any excavation works within the potentially contaminated areas, the baseline groundwater quality in these areas should be reviewed based on the past relevant site investigation data and any additional groundwater quality measurements to be performed with reference to Guidance Note for Contaminated Land Assessment and Remediation and the review results should be submitted to EPD for examination. If the review results indicated that the groundwater to be generated from the excavation works would be contaminated, this contaminated groundwater should be either properly treated or properly recharged into the ground in compliance with the requirements of the TM-DSS. If wastewater treatment is to be deployed for treating the contaminated groundwater, the wastewater treatment unit shall deploy suitable treatment processes (e.g. oil interceptor / activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (such as total petroleum hydrocarbon) to an undetectable range. All treated effluent from the wastewater treatment plant shall meet the requirements as stated in the TM-DSS and should be either discharged into the foul sewers or tankered away for proper disposal.	To minimise impact from groundwater from contaminated areas			WPCO, TM-DSS, Guidance Note for Contaminated Land Assessment and Remediation	N/A
S6.11	If deployment of wastewater treatment is not feasible for handling the contaminated groundwater, groundwater recharging wells should be installed as appropriate for recharging the contaminated groundwater back into the ground. The recharging wells should be selected at places where the groundwater quality will not be affected by the recharge operation as indicated in section 2.3 of the TM-DSS. The baseline groundwater quality should be determined prior to the selection of the recharge wells and submit a working plan to EPD for agreement. Pollution levels of groundwater to be recharged shall not be higher than pollutant levels of	To minimise impact from groundwater from contaminated areas			WPCO, EIAO-TM, TM-DSS	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	ambient groundwater at the recharge well. Groundwater monitoring wells should be installed near the recharge points to monitor the effectiveness of the recharge wells and to ensure that no likelihood of increase of groundwater level and transfer of pollutants beyond the site boundary. Prior to recharge, free products should be removed as necessary by installing the petrol interceptor. The Contractor should apply for a discharge licence under the WPCO through the Regional Office of EPD for groundwater recharge operation or discharge of treated groundwater.					
S6.11	The following measures should be implemented by the Contractors to minimise the chance of emergency construction site discharge (due to failure of treatment facilities such as sand traps, silt traps, sedimentation basins, oil interceptors etc.): • Provide spare or standby treatment facilities of suitable capacities for emergency replacement in case damage or defect or malfunctioning of the duty treatment facilities is observed. • Conduct daily integrity checking of the construction site drainage and treatment facilities to inspect malfunctions, in particular before, during and after a storm event. • Carry out regular maintenance or desilting works to maintain effectiveness of the construction site drainage and treatment facilities in particular before, during and after a storm event.	To minimise impact from construction site discharges			WPCO, EIAO-TM, TM-DSS	N/A
S6.11	An Emergency Response Plan (ERP) should be developed to minimise the potential impact from construction site discharges under failure of treatment facilities during emergency situations or inclement weather. The ERP should give the emergency contacts to mobilise retention facilities and stakeholders to be notified as well as the details of the proposed construction site drainage system and the design and operation of duty and standby treatment facilities. The ERP should also provide the procedures and guidelines for routine integrity checking and maintenance of the drainage	To minimise impact from construction site discharges				Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	system and treatment facilities as well as the emergency response and rectification procedures to restore normal operation of the treatment facilities in case of treatment failure during emergency situation or inclement weather. The Best Management Practices (BMPs) in controlling water pollution arising from the construction activities and an event and action plan with action and limit levels for water quality monitoring should be included in the ERP. The ERP should be submitted to the EPD for approval before commencement of the construction works.					
S6.11	Construction of the Project would involve diversion of the existing twin 800 mm diameter rising mains along Tin Ying Road. New sewerage facilities for receiving the diverted sewage flow from the existing rising mains should be constructed prior to the commencement of any demolition and construction works at the existing rising mains. All sewage flow running in the existing rising mains along Tin Ying Road should be diverted to the new sewerage system prior to any demolition and construction works at the existing rising mains. No discharge of sewage flow to the environment should be allowed during the sewerage diversion works.	To minimise impact from sewerage diversion works			WPCO, EIAO-TM	N/A
S6.11	All excavated materials generated from removal and diversion of watercourses, removal and construction works in ponds and wet areas as well as the proposed bridge pier construction works in watercourses should be collected and handled in compliance with the Waste Disposal Ordinance. Excavated sediment, if any, generated from the excavation activities in watercourses, ponds and wet areas should be tested and classified in accordance with the ETWB TCW No. 34/2002 for determining the disposal arrangement for the sediment. No direct disposal of the construction wastes or excavated materials into the stormwater drainage system and marine water should be allowed.	To manage the disposal of sediment			Waste Disposal Ordinance, ETWB TCW No. 34/2002	N/A
Waste Management						

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
S8.2	<u>Good Site Practice</u> The following good site practices are recommended during the construction phase: • Nomination of an approved person, such as a site manager, to be responsible for the implementation of good site practices, • Training of site personnel in proper waste management and chemical handling procedures. • Provision of sufficient waste disposal points and regular collection of waste. • Appropriate measures to minimize windblown litter and dust during handing, transportation and disposal of waste; and • Preparation of a WMP in accordance with the ETWB TCW No. 19/2005 Environmental Management on Construction Sites and submitted it to the Engineer for approval.	Minimise waste generation during construction	Contractor	Construction Phase	Waste Disposal Ordinance, Public Cleansing and Prevention of Nuisances Regulation (Cap. 132BK)	Implemented
S8.2	<u>Waste Reduction Measures</u> Waste reduction is best achieved by proper planning and design at the planning and design phases, as well as by ensuring the implementation of good site practices. The following recommendations are proposed to achieve waste reduction: • Segregation and storage of different types of waste in different containers or skips or stockpiles to enhance reuse or recycling of materials and their proper disposal. • Adopt proper storage and site practices to minimize the potential for damage to, and contamination of, construction materials; • Plan the delivery and stock of construction materials carefully to minimise the amount of waste generated; • Sort out demolition debris and excavated materials from demolition works to recover reusable / recyclable portions (i.e. soil, rock, broken concrete, etc.); • Maximize the use of reusable steel formwork to reduce the amount of C&D materials;				Waste Disposal Ordinance	Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	• Minimize over ordering concrete, mortars and cement grout by doing careful check before ordering; and • Adopt pre-cast construction method instead of cast-in-situ method for construction of concrete structures as far as possible.					
S8.2	<u>Storage of Waste</u> Storage of materials on site may induce adverse environmental impacts if not properly managed. The following recommendations should be implemented to minimise the impacts: • Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimising the potential of pollution; • Maintain and clean storage areas routinely; • Stockpiling area should be provided with covers and water spraying system to prevent materials from being wind-blown or washed away; and • Different locations should be designated to stockpile each material to enhance reuse.	Minimise waste impacts during storage of waste			Waste Disposal Ordinance	Implemented
S8.2	<u>Collection and Transportation of Waste</u> Waste hauler with appropriate permits should be employed by the Contractor for the collection and transportation of waste from works areas to respective disposal outlets. The following recommendation should be implemented to minimise the impacts: • Remove waste in timely manner; • Employ the trucks with cover or enclosed containers for waste transportation; • Obtain relevant waste disposal permits from the appropriate authorities; and • Dispose of waste at licensed waste disposal facilities.	Minimise waste impacts during collection and transportation of waste			Waste Disposal Ordinance	Implemented
S8.2	<u>Construction and Demolition (C&D) Materials</u> Wherever practicable, C&D materials should be segregated from other waste to avoid contamination and ensure acceptability at the public filling areas or reclamation sites. The following mitigation measures should be implemented in handling the C&D materials:	Minimise waste impacts from C&D materials			Waste Disposal Ordinance, Land (Miscellaneous Provisions) Ordinance, Waste Disposal (Charges	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	• Adopt "selective demolition" technique to demolish the existing structure and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; • Maintain the stockpile areas and reuse excavated fill material for backfilling; • Carry out on-site sorting to recover the inert C&D materials and reusable and recyclable materials prior to disposal off-site; • Make provisions in the contract documents to allow and promote the use of recycled aggregates where appropriate; and • Implement a trip-ticket system for each works contract in accordance with DEVB TC(W) No. 6/2010 Trip-ticket System for Disposal of Construction and Demolition Material to ensure that the disposal of C&D materials are properly documented and verified. The Contractor should be responsible for devising a system to work for on-site sorting of C&D materials. It is recommended that the system should include the identification of the source of generation, estimated quantity of waste generated, arrangement for on-site sorting and/or collection, designated stockpiling areas, frequency of collection by recycling contractors and frequency of removal off-site.				for Disposal of Construction Waste) Regulation (Cap. 354N)	
S8.2	<u>Asbestos Containing Materials</u> Due to the potential large amount of asbestos containing materials during the site clearance stage, asbestos investigation is required. However, as asbestos investigation will involve a large number of buildings and most premises will involve private access, which cannot be obtained at this stage, it is considered that an asbestos specialist shall be employed by the responsible parties during the construction stage to investigate this issue. Sufficient and reasonable lead time shall be allowed for preparation, vetting and implementation of Asbestos Investigation Report and Asbestos Abatement Plan in	Control the asbestos containing materials and ensure proper storage, handling and disposal			Code of Practice on Handling, Transportation and Disposal of Asbestos Waste ProPECC PN 2/97 Handling of Asbestos Containing Materials in Buildings	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	accordance with Air Pollution Control Ordinance before commencement of any demolition or site clearance work. Some key precautionary measures related to the handling and disposal of asbestos are listed as following: • Adoption of protection, such as full containment, mini containment, or segregation of work area; • Provision of decontamination facilities for cleaning of workings, equipment and bagged waste before leaving the work area; • Adoption of engineering control techniques to prevent fibre release from work area, such as use of negative pressure equipment with high efficiency particulate air (HEPA) filters to control air flow between the work area and the outside environment; • Wetting of asbestos containing materials before and during disturbance, minimising the breakage and dropping of asbestos containing materials, and packing of debris and waste immediately after it is produced; • Cleaning of work area by wet wiping and vacuuming with HEPA-filtered vacuum cleaner; • Coating on any surfaces previously in contact with or contained by asbestos with a sealant; • Proper bagging, safe storage and disposal of asbestos and asbestos-contaminated waste; • Pre-treatment of all effluent from the work area before discharged; and • Air monitoring strategy to check the leakage and clearance of the work area during and after the asbestos work.					
S8.2	<u>Chemical Waste</u> For those processes which generated chemical waste, it may be possible to find alternatives to eliminate the use of chemicals, to reduce the generation quantities or to select a chemical type of less impact on environment, health and safety as far as possible. If chemical waste is produced at the construction site, the Contractor will be required to register with the EPD as a	Control the chemical waste and ensure proper storage, handling and disposal.			Waste Disposal (Chemical Waste) General) Regulation, Code of Practice on the Packaging, Labelling and	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	chemical waste producer. Chemical waste should be stored in appropriate containers and collected by a licensed chemical waste contractor. Chemical waste (e.g. spent lubricant oil) should be recycled at an appropriate facility as far as possible, while chemical waste that cannot be recycled should be disposed of at either the CWTC, or another licensed facility.				Storage of Chemical Waste	
S8.2	General Refuse General refuse should be stored in enclosed bins separately from construction and chemical waste. Recycling bins should also be placed to encourage recycling. Preferably enclosed and covered areas should be provided for general refuse collection and routine cleaning for these areas should also be implemented to keep areas clean. A reputable waste collector should be employed to remove general refuse on a daily basis. It is expected that such arrangements would minimise potential environmental impacts.	Minimise production of general refuse and avoid odour, pest and litter impacts			Waste Disposal Ordinance	Implemented
	Excavated Sediment Since the amount of excavated sediment generated from the inland water removal / diversion works is expected to be small, all excavated sediment will be treated and reused on-site as backfilling materials for the Project. This approach avoids the need for off-site disposal that may result in impacts on the marine environment. In addition, all construction works near the watercourses should be undertaken within a dry zone and during dry season to avoid adverse impacts to the environment. The excavated sediment, if stockpiled on site, should be stored in enclosed containers and transported to the on-site treatment facilities as soon as practicable to minimise any potential odour impacts.	Proper handling of excavated sediment			Waste Disposal Ordinance	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	Contaminated Soil It is considered unlikely that contaminated land issues, if any subject to site investigation, would be a concern during either the construction or the operational of the proposed development as remediation on contaminated area would be carried out prior to construction. However, as a precaution, it is recommended that standard good site practices should be implemented during the construction phase to minimise any potential exposure to contaminated soils or groundwater.	Proper handling of contaminated soil			Practice Guide for Investigation and Remediation of Contaminated Land	N/A
Land Contamination						
-	Identified Potentially Contaminated Sites Prior to development of these sites, the Project Proponent should appoint a consultant to re-appraise these sites to update the corresponding findings and sampling and testing requirements presented in the Contamination Assessment Plan (CAP). Supplementary CAP(s), incorporating the findings of the site re-appraisal and the updated sampling and testing strategy, should be prepared and submitted to EPD for approval prior to conducting any site investigation (SI) works. SI works should then be carried out according to the supplementary CAP(s). Contamination Assessment Report (CAR(s)) and, if contaminated soil and/or groundwater identified, Remediation Action Plan (RAP(s)) should be prepared and submitted to EPD for approval.	Identify the presence, nature and extent of contamination and formulate the necessary remedial actions	CEDD/ Detailed Design Consultant / Contractor	After the land is resumed and handed over to the Project Proponent and prior to commencement of any remediation / construction works.	EIAO-TM, Guidance Manual for Use of Risk-Based Remediation Goals (RBRGs) for Contaminated Land Management, Guidance Notes for Contaminated Land Assessment and Remediation; and Practice Guide for Investigation and Remediation of Contaminated Land	Implemented
-	Remaining Non-Contaminated Sites After the sites are handed over to the Project Proponent for development, the Project Proponent should appoint a consultant to revisit these sites to assess the latest land uses and site conditions. If any of these sites are found to have potential land contamination issues, the Project Proponents					Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	appointed consultant should prepare and submit supplementary CAP(s) to EPD for approval prior to conducting any SI works. SI works should then be carried out according to the supplementary CAP(s). CAR(s) and, if contaminated soil and/or groundwater identified, RAP(s) should be prepared and submitted to EPD for approval					
-	Any contaminated soil and groundwater should be treated according to EPD's approved RAP(s) and RR(s) should be submitted to EPD for agreement after completion of the remediation works.	Remediate any contaminated soil and groundwater and demonstrate that the remediation works are adequate and is carried out in accordance with EPD's approved RAP(s).	Contractor	After the land is resumed and handed over to the PP and prior to commencement of any construction works.		N/A
Ecology						
S10.2.4	Scheduling the site formation and construction works at Sites 3-32, 3-33, 3-37, 3-39 and 3-40 outside the breeding season of ardeids	Minimise disturbance impacts to breeding ardeids in San Sang San Tsuen egretry	CEDD / Contractor	Construction phase	TM-EIAO	N/A
S10.2.5	Provision of screening (e.g., hoarding) at adjacent habitats within CA at northwest of San Sang San Tsuen.	Disturbance impacts (e.g. noise/vibration, visual) to adjacent habitats within the CA				N/A
S10.2.6	Hoarding around "Green Belt" zoning to mitigate construction disturbance impacts to the Crested Serpent Eagle habitat.	Minimise construction disturbance impacts to the Crested Serpent Eagle habitat				N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
S10.2.7	Carefully design the construction methods and sequence of the proposed pier in the watercourses so that all piling and excavation works would be done within dry zone and physically separated from the watercourse downstream	Minimise potential water quality impacts to the habitats of the main channel and waterbird species				N/A
S10.2.8	An ecologist with relevant experience should be consulted before the clearance of any bat roost.	Ensure no bat roost would be damaged due to the proposed development				Implemented
S10.2.10	Provision of hoarding for proper delineation of works boundary.	Minimise construction disturbance impacts to existing mitigation ponds				N/A
S10.2.11	General dust and noise control measures.	Mitigate disturbance impacts to the surrounding habitats and associated wildlife				Implemented
S10.2.12	Night-time lighting control.	Minimise glare disturbance to wildlife				N/A
S10.2.13 – S10.2.15	Good site practices during the construction phase to avoid any pollution entering any nearby watercourses.	Minimise water quality impacts to nearby water bodies				Implemented
Fisheries						

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
S.13.4.8	Follow the mitigation measures proposed in the water quality assessment for construction and operational phase.	To protect fisheries resources from potential indirect impacts arising from deterioration of water quality	Contractor	Construction phase	EIA, contractual requirements	Implemented
Landscape and Visual						
CM1	<u>Minimised construction area and contractor's temporary works areas</u> The construction area and contractor's temporary works areas should be minimised. General Good Practice Measures - For areas unavoidably disturbed by the Project on a short-term basis e.g., works areas, the general principle to try and restore these to their former state to suit future land use, should be adhered to	Minimise impacts on adjacent landscape	Government/ Developer/ Detailed Design Consultant/ Contractor	Prior to construction, construction stages. This should be implemented as soon as the areas become available, to achieve early establishment	-	Implemented
CM2	<u>Stripping and storing of topsoil</u> Topsoil, where identified, should be stripped and stored for re-use in the construction of the soft landscape works, where practical. The Contract Specification shall include storage and reuse of topsoil as appropriate. On potentially contaminated sites (as per Section 8) where investigation results indicate soil contamination is present, the use of contaminated soils for planting is to be avoided where appropriate.	Minimise the loss of existing topsoil and reduce the need to provide imported material		Detailed design, construction stages	-	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
CM3	Protection of existing trees Tree Protection & Preservation – Exiting trees to be retained within the Project site should be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in Contractor's works areas. A detailed tree survey will be carried out for the Tree Removal Application (TRA) process which will be carried out at the later detailed design stage of the Project. The detailed tree survey will propose which trees should be retained, transplanted or felled and will include details of tree protection measures for those trees to be retained.	Protect and Preserve Trees			ETWB Technical Circular Works (TCW) No. 29/2004 and 3/2006	Implemented
CM4	Transplantation of existing trees where practical Trees unavoidably affected by the Project works should be transplanted where practical. Trees should be transplanted straight to their final receptor site and not held in a temporary nursery as far as possible. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, where applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the Project programme. A detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBTC 2/2004 and 3/2006 and final locations of transplanted trees should be agreed prior to commencement of the work. For trees associated with highways e.g. roadside planting along highways, that are unavoidably affected and should be transplanted, HyD HQ/GN/13 'Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit' should be referred to.	Transplant Trees where suitable for transplantation		Prior to Construction, Construction Phase & Maintenance in Operation Phase	ETWB TCW 3/2006 and 2/2004 HyD HQ/GN/13 Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit	N/A
CM5	Control of night-time lighting Control of night-time lighting and glare by hooding all lights.	Minimise impact of night-time lighting and glare	Government/ Developer/ Contractor	Construction stage	-	Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	Construction day and night-time lighting should be controlled to minimise glare impact to adjacent VSRs during the construction phase.					
CM6	Construction of decorative hoarding around construction works Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours screen hoarding shall 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). It is proposed that the screening be compatible with the surrounding environment and where possible, non-reflective, recessive colours be used.	To screen undesirable views of the works site.	Contractor	Construction stage	-	Implemented
CM7	Reduction of construction period to practical minimum Reduction of construction period to practical minimum	Minimise length of exposure to construction works	Government/ Developer/ Detailed Design Consultant/ Contractor	Construction stage	-	Implemented
CM8	Prevention of run-off Limitation of / Ensuring no run-off into surrounding landscape and prohibit run-off from entering adjacent water bodies and waterways.	Minimise / limit impacts on surrounding landscape and adjacent water sea areas		Construction stage	Guidelines for this include ETWB Technical Circular (Works) No. 5/2005 Protection of natural streams/rivers from adverse impacts arising from construction works; Building Department (BD) Practice Note for Authorized Persons and Registered Structural Engineers 295: Protection of natural	Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
					streams/rivers from adverse impacts arising from construction works	
CM9	Phasing of construction stage Phasing of the construction stage to reduce visual impacts.	Minimise visual impacts during the construction phase		Construction stage	-	Implemented
CM10	Advance screen planting Advance screen planting of fast-growing tree and shrub species to noise barriers and hoardings. Trees shall be capable of reaching a height >10m within 10 years.	Minimise length of exposure without long term mitigation measures		Detailed design, construction stages	ETWB TCW 3/2006 and 2/2004	N/A
CM11	Minimise disturbance footprints To minimise landscape and visual impacts, the footprint and elevation of such elements should be optimised to reduce topographical/ landform changes, as well as reduce land take and interference with natural terrain. Where there is a need to significantly cut into the existing landform, retaining walls should be considered as well as cut slopes, to minimise landform changes and land resumption, while also considering visual amenity. Earthworks and engineered slopes should be designed to be a visually interesting landform, compatible with the surrounding landscape and to mimic the natural contouring and terrain e.g. introduction and continuation of natural features such as spurs and ridges where appropriate, to support assimilation with the hillside setting.	Reduce topographical changes and minimize land resumption		Detailed design, construction stages	GEO Publication No. 1/2011, Technical Guidelines on Landscape Treatment on Slopes	N/A
CM12	Protection of existing water courses For all the natural rivers and streams inside the development area, consideration of protection measures should be made to minimise any impacts from the construction works. Avoid affecting Watercourses – In the detailed design, consideration should be made of watercourses, to minimise any impacts e.g. at new bridge crossings, viaducts, road alignment etc. Guidelines stated should be followed.	Avoid direct impacts to watercourses	Detailed Design Consultant/ Contractor	Detailed design, construction stages	Guidelines for this include ETWB Technical Circular (Works) No. 5/2005 Protection of natural streams/rivers from adverse	Implemented

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	Bridges and box culverts should also be used to minimise the necessity of watercourse modification and protect the watercourses where necessary.				impacts arising from construction works; Building Department (BD) Practice Note for Authorized Persons and Registered Structural Engineers 295: Protection of natural streams/rivers from adverse impacts arising from construction works	
CM13	Hydroseeding on modified slopes Hydroseeding of modified slopes should be done as soon as grading works are completed to prevent erosion and subsequent loss of landscape resources and character. Woodland tree seedlings and/ or shrubs should be planted where slope gradient and site conditions allow. In addition, landscape planting should be provided for the retaining structures associated with modified slopes where conditions allow. All slope landscaping works should comply with GEO Publication No. 1/2011-Technical Guidelines on Landscape Treatment for Slopes.	To prevent erosion and subsequent loss of landscape resources and character. To ensure man-made slopes are as visually amenable as possible.	Government/ Developer/ Detailed Design Consultant/ Contractor	Prior to Construction, Construction Phase & Maintenance in Operation Phase	GEO publication (1999) – Use of Vegetation as Surface Protection on Slope; GEO Publication No. 1/2011-Technical Guidelines on Landscape Treatment for Slopes	N/A
CM14	Integrate Open Space Network with existing nullah conditions For watercourses affected during construction, measures should be sought to minimise the impact with respect to the existing nullah conditions, existing shrubs and trees along the banks.	Minimise / limit impacts on surrounding landscape and			ETWB TCW No. 5/2005 – Protection of natural streams/rivers	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
	Where natural streams are unavoidably affected along some of their length, they can be diverted to avoid the proposed new developments and retain the integrity of the whole stream. Detailed design of any stream diversion should follow the Guidelines in ETWB Technical Circular (Works) No. 5/2005 (Protection of natural streams/rivers from adverse impacts arising from construction works) and appropriate construction methods should be used.	adjacent water sea areas			from adverse impacts arising from construction works; DSD Practice Note No.1/2005, Guidelines on Environmental Considerations for River Channel Design	
Cultural Heritage Impact						
S13.1.1	The archaeological impact arising from the construction works should be assessed when the detailed design of the works is available. Preservation in situ is the top priority to safeguard the archaeological remains in the impacted area by amending the layout plans of the construction works. However, if the works cannot avoid disturbance to the archaeological deposit, depending on degree of direct impact, the following mitigation measures should be considered, such as archaeological surveys, archaeological watching brief, preservation by record and relocation of archaeological remains. The scope and programme of the archaeological fieldwork would be agreed with AMO.	Minimise impact to archaeology in SAIs	Contractor	Prior to construction phase commencement	Environmental Impact Assessment Ordinance EIAO (Cap.499) and Technical Memorandum (EIAO-TM) Guidance Note on Assessment of Impact on Sites of Culture Heritage in Environmental Impact Assessment Studies (GCH-EIA) Antiquities and Monuments Ordinance (A&MO) Hong Kong Planning Standards and	N/A

EM&A Ref.	Mitigation Measures	Objective of the recommended measure & main concerns to address	Implement Agent	Implementation Timing	Requirements and / or Standards to be Achieved	Implementation status
					Guidelines (HKPSG) Guidelines for Cultural Heritage Impact Assessment (GCHIA)	
S13.1.2	Further archaeological survey is required to be conducted at APA 1 and APA 2 to ascertain the extent of any archaeological remains within the APAs if any construction works will be carried out. Based on the findings of the survey, mitigation measures could be proposed, such as preservation in situ, preservation by record, or relocation of archaeological remains, in prior agreement with the AMO. Direct impact arising from the proposed development within APA 3 should be avoided as far as possible.	Minimise impact to archaeology in APAs.			EIAO-TM GCH-EIA A&MO HKPSG GCHIA	N/A
S13.1.5	Preservation by record (including cartographic and photographic record) prior to any construction works would be required for the directly impacted built heritage.	Minimise impact to built heritage			EIAO-TM GCH-EIA HKPSG GCHIA	N/A
-	A Conservation Management Plan should be proposed to implement future maintenance and management of the cultural heritage.	Maximise the public education, heritage and cultural tourism related opportunities in this area as heritage attractions.	CEDD		EIAO-TM GCH-EIA A&MO HKPSG GCHIA	N/A

Appendix 1.4 Impact Monitoring Schedule of the Reporting Month

Service Contract No. WD/03/2023 Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development - Environmental Team (Version 0.0)

January 2025

Sun	Mon	Tue	Wed	Thur	Fri	Sat
			1	2 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6	3	4 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14
5	6 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a	7 Impact Noise Monitoring at CM1, CM2, CM3, CM4a, CM10, CM13, CM14, CM15a, CM16, CM18 and CM20	8 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6	9	10 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14	11
12	13 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Noise Monitoring at CM1, CM2, CM3, CM4a, CM10, CM13, CM14, CM15a, CM16, CM18 and CM20	14 Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6	15 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a	16 Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14	17 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a	18
19	20 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6	21 Impact Noise Monitoring at CM1, CM2, CM3, CM4a, CM10, CM13, CM14, CM15a, CM16, CM18 and CM20	22 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14	23	24 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a	25 Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6
26	27 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6	28 Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14 Impact Noise Monitoring at CM1, CM2, CM3, CM4a, CM10, CM13, CM14, CM15a, CM16, CM18 and CM20	29	30	31	

Remarks:

1. The schedule may be changed due to unforeseen circumstances (e.g. adverse weather, etc.).
2. Impact air quality monitoring at AM22, AM24 and AM25a will be carried out when the planned sensitive receivers are commissioned.
3. Impact noise monitoring at CM28, CM29, CM31 and CM32 will be carried out when the planned sensitive receivers are commissioned.
4. Impact water quality monitoring at U2 and HT will be carried out by the Environmental Team appointed under Hung Shui Kiu/Ha Tsuen New Development Area Stage 1 Works, and the corresponding water quality monitoring data at these stations will be shared with this Project (i.e. Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development).

Contract	Water Quality Monitoring Station *																					
	U1	U2	U3a	U4a	U5a	U6a	TS1	TS2a	TSR1a	STa	SW	HT	LUTa	D2a	LFS	D1	D3	TKW	TKW1	D4a	U7	D5a	D6a
Contract 1		✓			✓	✓	✓	✓	✓			✓	✓	✓			✓						
Contract 2						✓			✓					✓			✓					✓	✓
Contract 3			✓	✓	✓	✓	✓	✓	✓	✓				✓			✓						
Contract 4			✓	✓	✓		✓	✓	✓	✓				✓									
Contract 5	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Contract 6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓				
Contract 7	TO BE CONFIRMED																						
* Monitoring stations at which inland waters runs into the major water systems, including their tributaries, passing through the site boundary of works contract(s), potentially causing water quality impacts as a result of water bodies contamination, will be considered being the representative monitoring stations for the corresponding works contract(s) as the rationale for determination of contract involvement in terms of environmental monitoring.																							

Contract	Air Quality Monitoring Station *																					
	AM1	AM2	AM3	AM4	AM5	AM6	AM7	AM8a	AM9	AM10	AM11	AM12	AM13	AM14	AM15	AM16	AM17	AM21	AM22	AM23	AM24	AM25a
Contract 1	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓					✓		✓	✓
Contract 2	✓		✓	✓	✓	✓	✓				✓								✓			
Contract 3	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓				✓			✓			
Contract 4		✓	✓	✓	✓	✓													✓			
Contract 5		✓											✓	✓	✓		✓	✓	✓	✓	✓	✓
Contract 6					✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓		✓	✓	✓
Contract 7	TO BE CONFIRMED																					
* Monitoring stations that are specifically within the 500m buffer area projected from the site boundary of works contract(s) will be considered being the representative monitoring stations for the corresponding works contract(s) as the rationale for determination of contract involvement in terms of environmental monitoring.																						

Contract	Construction Noise Monitoring Station *																											
	CM1	CM2	CM3	CM4a	CM9	CM10	CM11	CM12	CM13	CM14	CM15a	CM16	CM17a	CM18	CM19	CM20	CM21	CM22	CM23a	CM24	CM25	CM26	CM27a	CM28	CM29	CM30	CM31	CM32
Contract 1	✓	✓	✓	✓		✓			✓	✓	✓	✓		✓		✓								✓	✓		✓	✓
Contract 2		✓	✓	✓					✓	✓	✓	✓		✓											✓		✓	✓
Contract 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓	✓		✓	✓
Contract 4								✓							✓								✓	✓				
Contract 5	✓																			✓	✓	✓	✓	✓	✓	✓		
Contract 6														✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓
Contract 7	TO BE CONFIRMED																											
* Monitoring stations that are specifically within the 300m buffer area projected from the site boundary of works contract(s) will be considered being the representative monitoring stations for the corresponding works contract(s) as the rationale for determination of contract involvement in terms of environmental monitoring.																												

Appendix 2.1 Calibration Certificates of Impact Air Quality Monitoring Equipment

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement

Verification Test Date:	**17-Aug-24**	to	**18-Aug-24**	Next Verification Test Date:	**17-Aug-25**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	467356				
Our Report Refrence No.:	RPT-24-HVS-0080				
Calibration Location:	Man Cheong Building				

Standard Equipment Information

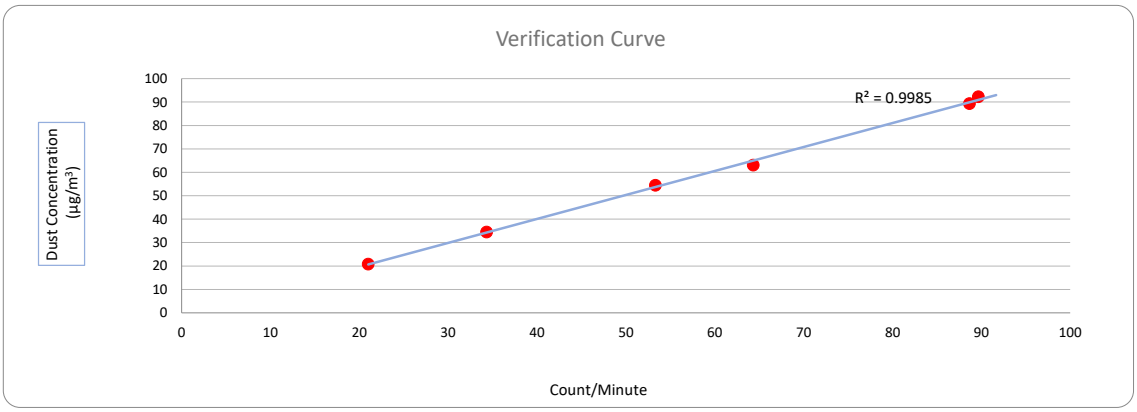
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1050	3465
Last Calibration Date:	17-Aug-24	16-Jan-24
Next Calibration Date:	30-Aug-24	15-Jan-25

Equipement Vertification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipement		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m^3) y-axis
1	17/08/2024	11832.91	11835.91	180.00	16140	90	92
2	17/08/2024	11835.91	11838.91	180.00	9600	53	54
3	17/08/2024	11838.91	11841.91	180.00	15960	89	89
4	18/07/2024	11841.94	11844.94	180.00	6180	34	34
5	18/07/2024	11844.94	11847.94	180.00	3780	21	21
6	18/07/2024	11847.94	11850.94	180.00	11580	64	63

Linear Regression of y on x

Slope, K factor:	**1.0232**	Intercept:	**-0.8300**	*Correlation Coefficient,R:	**0.9992**
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li — Project Technician, Environmental — Date: 23-08-2024

Checked By: Tandy Tse — Senior Consultant, Environmental — Date: 23-08-2024

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement

Verification Test Date:	**17-Aug-24**	to	**18-Aug-24**	Next Verification Test Date:	**17-Aug-25**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	467357				
Our Report Refrence No.:	RPT-24-HVS-0081				
Calibration Location:	Man Cheong Building				

Standard Equipment Information

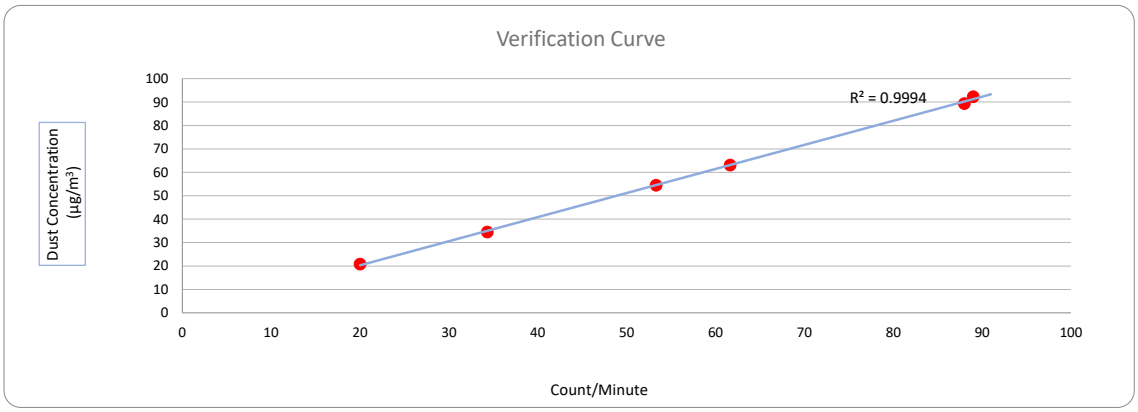
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1050	3465
Last Calibration Date:	17-Aug-24	16-Jan-24
Next Calibration Date:	30-Aug-24	15-Jan-25

Equipement Vertification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipement		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m^3) y-axis
1	17/08/2024	11832.91	11835.91	180.00	16020	89	92
2	17/08/2024	11835.91	11838.91	180.00	9600	53	54
3	17/08/2024	11838.91	11841.91	180.00	15840	88	89
4	18/07/2024	11841.94	11844.94	180.00	6180	34	34
5	18/07/2024	11844.94	11847.94	180.00	3600	20	21
6	18/07/2024	11847.94	11850.94	180.00	11100	62	63

Linear Regression of y on x

Slope, K factor:	**1.0280**	Intercept:	**-0.2511**	*Correlation Coefficient,R:	**0.9997**
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li — Project Technician, Environmental — Date: 23-08-2024

Checked By: Tandy Tse — Senior Consultant, Environmental — Date: 23-08-2024

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement

Verification Test Date:	**17-Aug-24**	to	**18-Aug-24**	Next Verification Test Date:	**17-Aug-25**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	467358				
Our Report Refrence No.:	RPT-24-HVS-0082				
Calibration Location:	Man Cheong Building				

Standard Equipment Information

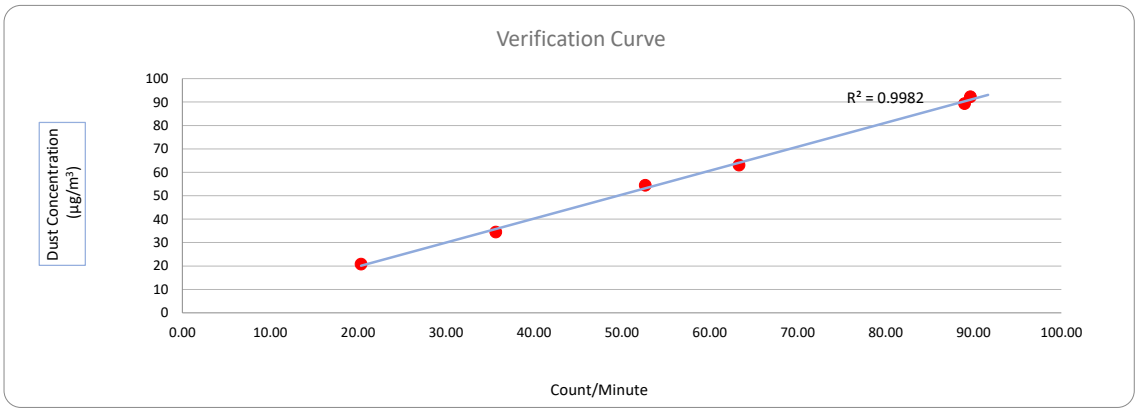
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1050	3465
Last Calibration Date:	17-Aug-24	16-Jan-24
Next Calibration Date:	30-Aug-24	15-Jan-25

Equipement Vertification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipement		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m^3) y-axis
1	17/08/2024	11832.91	11835.91	180.00	16140	89.67	92
2	17/08/2024	11835.91	11838.91	180.00	9480	52.67	54
3	17/08/2024	11838.91	11841.91	180.00	16020	89.00	89
4	18/07/2024	11841.94	11844.94	180.00	6420	35.67	34
5	18/07/2024	11844.94	11847.94	180.00	3660	20.33	21
6	18/07/2024	11847.94	11850.94	180.00	11400	63.33	63

Linear Regression of y on x

Slope, K factor:	**1.0225**	Intercept:	**-0.6726**	*Correlation Coefficient,R:	**0.9991**
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li — Project Technician, Environmental — Date: 23-08-2024

Checked By: Tandy Tse — Senior Consultant, Environmental — Date: 23-08-2024

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement

Verification Test Date:	**17-Aug-24**	to	**18-Aug-24**	Next Verification Test Date:	**17-Aug-25**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	467359				
Our Report Refrence No.:	RPT-24-HVS-0083				
Calibration Location:	Man Cheong Building				

Standard Equipment Information

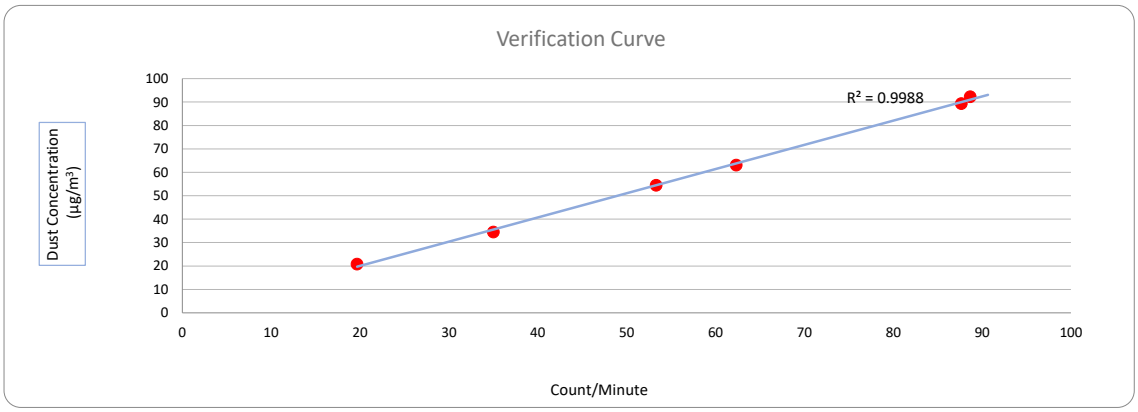
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1050	3465
Last Calibration Date:	17-Aug-24	16-Jan-24
Next Calibration Date:	30-Aug-24	15-Jan-25

Equipement Vertification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipement		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (μg/m^3) y-axis
1	17/08/2024	11832.91	11835.91	180.00	15960	89	92
2	17/08/2024	11835.91	11838.91	180.00	9600	53	54
3	17/08/2024	11838.91	11841.91	180.00	15780	88	89
4	18/07/2024	11841.94	11844.94	180.00	6300	35	34
5	18/07/2024	11844.94	11847.94	180.00	3540	20	21
6	18/07/2024	11847.94	11850.94	180.00	11220	62	63

Linear Regression of y on x

Slope, K factor:	**1.0331**	Intercept:	**-0.6022**	*Correlation Coefficient,R:	**0.9994**
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li — Project Technician, Environmental — Date: 23-08-2024

Checked By: Tandy Tse — Senior Consultant, Environmental — Date: 23-08-2024

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement

Verification Test Date:	**17-Aug-24**	to	**18-Aug-24**	Next Verification Test Date:	**17-Aug-25**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	467360				
Our Report Refrence No.:	RPT-24-HVS-0084				
Calibration Location:	Man Cheong Building				

Standard Equipment Information

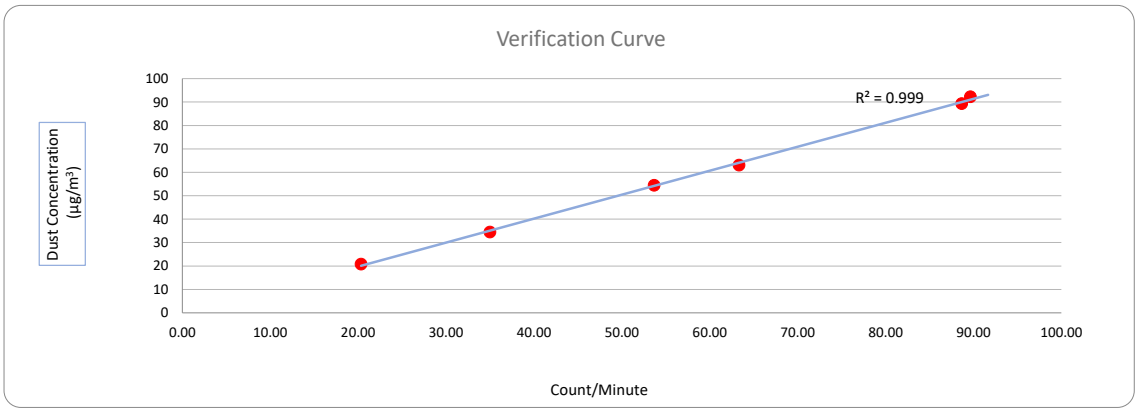
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1050	3465
Last Calibration Date:	17-Aug-24	16-Jan-24
Next Calibration Date:	30-Aug-24	15-Jan-25

Equipement Vertification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipement		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (μg/m^3) y-axis
1	17/08/2024	11832.91	11835.91	180.00	16140	89.67	92
2	17/08/2024	11835.91	11838.91	180.00	9660	53.67	54
3	17/08/2024	11838.91	11841.91	180.00	15960	88.67	89
4	18/07/2024	11841.94	11844.94	180.00	6300	35.00	34
5	18/07/2024	11844.94	11847.94	180.00	3660	20.33	21
6	18/07/2024	11847.94	11850.94	180.00	11400	63.33	63

Linear Regression of y on x

Slope, K factor:	**1.0229**	Intercept:	**-0.6982**	*Correlation Coefficient,R:	**0.9995**
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li — Date: 23-08-2024
Project Technician, Environmental

Checked By: Tandy Tse — Date: 23-08-2024
Senior Consultant, Environmental

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement

Verification Test Date:	**17-Aug-24**	to	**18-Aug-24**	Next Verification Test Date:	**17-Aug-25**
Unit-under-Test- Model No.:	Sibata LD-5R				
Unit-under-Test Serial No.:	467361				
Our Report Refrence No.:	RPT-24-HVS-0085				
Calibration Location:	Man Cheong Building				

Standard Equipment Information

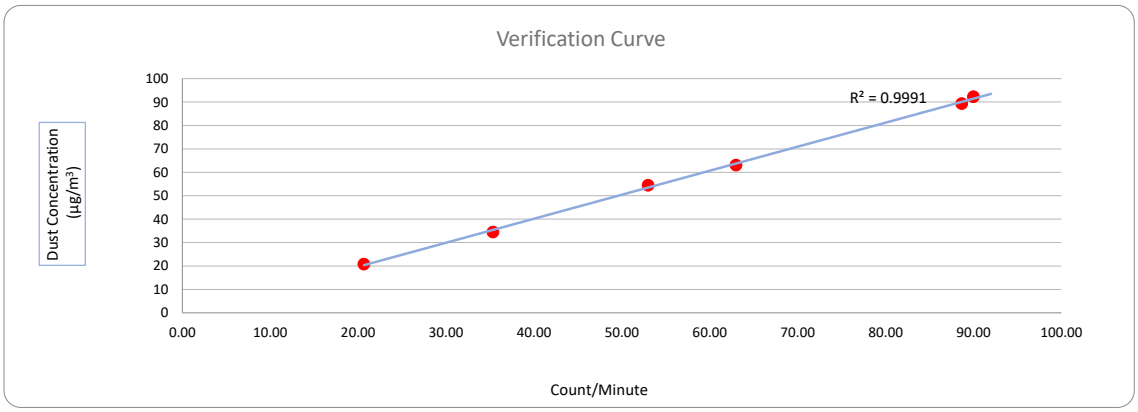
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1050	3465
Last Calibration Date:	17-Aug-24	16-Jan-24
Next Calibration Date:	30-Aug-24	15-Jan-25

Equipement Vertification Result

Verification Test No.	Date	Duration			Results from Calibrated Equipement		Results from Standard Equipment
		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (μg/m^3) y-axis
1	17/08/2024	11832.91	11835.91	180.00	16200	90.00	92
2	17/08/2024	11835.91	11838.91	180.00	9540	53.00	54
3	17/08/2024	11838.91	11841.91	180.00	15960	88.67	89
4	18/07/2024	11841.94	11844.94	180.00	6360	35.33	34
5	18/07/2024	11844.94	11847.94	180.00	3720	20.67	21
6	18/07/2024	11847.94	11850.94	180.00	11340	63.00	63

Linear Regression of y on x

Slope, K factor:	**1.0251**	Intercept:	**-0.8237**	*Correlation Coefficient,R:	**0.9996**
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Checking and Re-verification are required.	



Operated By: Andy Li — Project Technician, Environmental — Date: 23-08-2024

Checked By: Tandy Tse — Senior Consultant, Environmental — Date: 23-08-2024

Appendix 2.2 Impact Air Quality Monitoring Data

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM1

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
02/01/2025	Fine	13:24	14:24	15:24	61	56	51	56
08/01/2025	Fine	13:37	14:37	15:37	65	66	67	66
14/01/2025	Fine	10:11	11:11	12:11	17	16	15	16
20/01/2025	Cloudy	15:30	16:30	17:30	18	15	14	16
25/01/2025	Fine	9:32	10:32	11:32	16	16	16	16
27/01/2025	Cloudy	14:16	15:16	16:16	10	9	11	10

TSP-1hr		
Average	Max.	Min.
30	67	9

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM2

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
02/01/2025	Fine	14:02	15:02	16:02	69	53	43	55
08/01/2025	Fine	13:49	14:49	15:49	51	60	52	54
14/01/2025	Fine	10:25	11:25	12:25	15	18	18	17
20/01/2025	Cloudy	15:46	16:46	17:46	10	11	13	11
25/01/2025	Fine	9:51	10:51	11:51	13	12	11	12
27/01/2025	Cloudy	14:33	15:33	16:33	8	7	7	7

TSP-1hr		
Average	Max.	Min.
26	69	7

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM3

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
02/01/2025	Fine	14:20	15:20	16:20	57	47	43	49
08/01/2025	Fine	14:21	15:21	16:21	48	48	47	48
14/01/2025	Fine	10:44	11:44	12:44	11	21	17	16
20/01/2025	Cloudy	15:59	16:59	17:59	11	12	15	13
25/01/2025	Fine	10:20	11:20	12:20	13	11	12	12
27/01/2025	Cloudy	14:50	15:50	16:50	9	10	12	10

TSP-1hr		
Average	Max.	Min.
25	57	9

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM4

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
02/01/2025	Fine	14:14	15:14	16:14	60	66	70	65
08/01/2025	Fine	15:01	16:01	17:01	66	70	69	68
14/01/2025	Fine	9:30	10:30	11:30	35	40	32	36
20/01/2025	Cloudy	14:32	15:32	16:32	41	37	38	39
25/01/2025	Fine	10:22	11:22	12:22	10	12	13	12
27/01/2025	Cloudy	14:49	15:49	16:49	7	7	8	7

TSP-1hr		
Average	Max.	Min.
38	70	7

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM5

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
02/01/2025	Fine	14:36	15:36	16:36	72	70	63	68
08/01/2025	Fine	15:13	16:13	17:13	66	70	69	68
14/01/2025	Fine	9:42	10:42	11:42	54	43	43	47
20/01/2025	Cloudy	14:48	15:48	16:48	45	46	52	48
25/01/2025	Fine	10:54	11:54	12:54	10	8	11	10
27/01/2025	Cloudy	15:12	16:12	17:12	9	10	9	9

TSP-1hr		
Average	Max.	Min.
42	72	8

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM6

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
02/01/2025	Fine	15:01	16:01	17:01	67	70	61	66
08/01/2025	Fine	15:44	16:44	17:44	58	60	60	59
14/01/2025	Fine	9:59	10:59	11:59	43	37	43	41
20/01/2025	Cloudy	15:03	16:03	17:03	33	40	47	40
25/01/2025	Fine	11:13	12:13	13:13	12	15	11	13
27/01/2025	Cloudy	15:33	16:33	17:33	12	12	13	12

TSP-1hr		
Average	Max.	Min.
39	70	11

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM7

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
04/01/2025	Fine	13:48	14:48	15:48	45	37	34	39
10/01/2025	Fine	14:33	15:33	16:33	32	35	34	34
16/01/2025	Fine	10:11	11:11	12:11	29	32	25	29
22/01/2025	Fine	13:10	14:10	15:10	25	22	24	24
28/01/2025	Fine	14:27	15:27	16:27	17	17	15	16

TSP-1hr		
Average	Max.	Min.
28	45	15

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM8a

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
04/01/2025	Fine	14:03	15:03	16:03	59	55	53	56
10/01/2025	Fine	14:49	15:49	16:49	34	31	28	31
16/01/2025	Fine	10:28	11:28	12:28	60	67	70	66
22/01/2025	Fine	13:24	14:24	15:24	30	31	29	30
28/01/2025	Fine	14:42	15:42	16:42	24	17	14	18

TSP-1hr		
Average	Max.	Min.
40	70	14

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM10

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
04/01/2025	Fine	14:38	15:38	16:38	36	32	31	33
10/01/2025	Fine	15:04	16:04	17:04	31	34	36	34
16/01/2025	Fine	10:51	11:51	12:51	30	32	30	31
22/01/2025	Fine	13:44	14:44	15:44	27	26	26	26
28/01/2025	Fine	15:08	16:08	17:08	19	24	24	22

TSP-1hr		
Average	Max.	Min.
29	36	19

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM11

Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
04/01/2025	Fine	15:10	16:10	17:10	33	30	27	30
10/01/2025	Fine	13:37	14:37	15:37	43	35	37	38
16/01/2025	Fine	10:33	11:33	12:33	61	63	57	60
22/01/2025	Fine	14:17	15:17	16:17	17	14	13	15
28/01/2025	Fine	14:15	15:15	16:15	14	13	13	13

TSP-1hr		
Average	Max.	Min.
31	63	13

Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM12

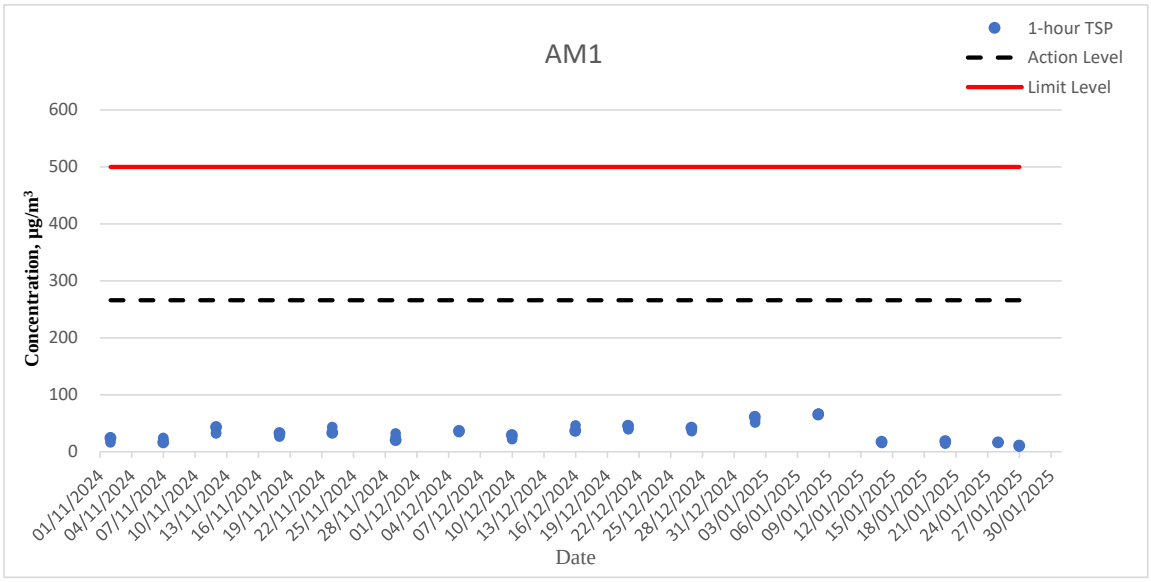
Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
04/01/2025	Fine	15:32	16:32	17:32	41	39	34	38
10/01/2025	Fine	13:57	14:57	15:57	61	54	50	55
16/01/2025	Fine	10:48	11:48	12:48	59	57	73	63
22/01/2025	Fine	14:33	15:33	16:33	18	19	17	18
28/01/2025	Fine	14:29	15:29	16:29	14	14	15	14

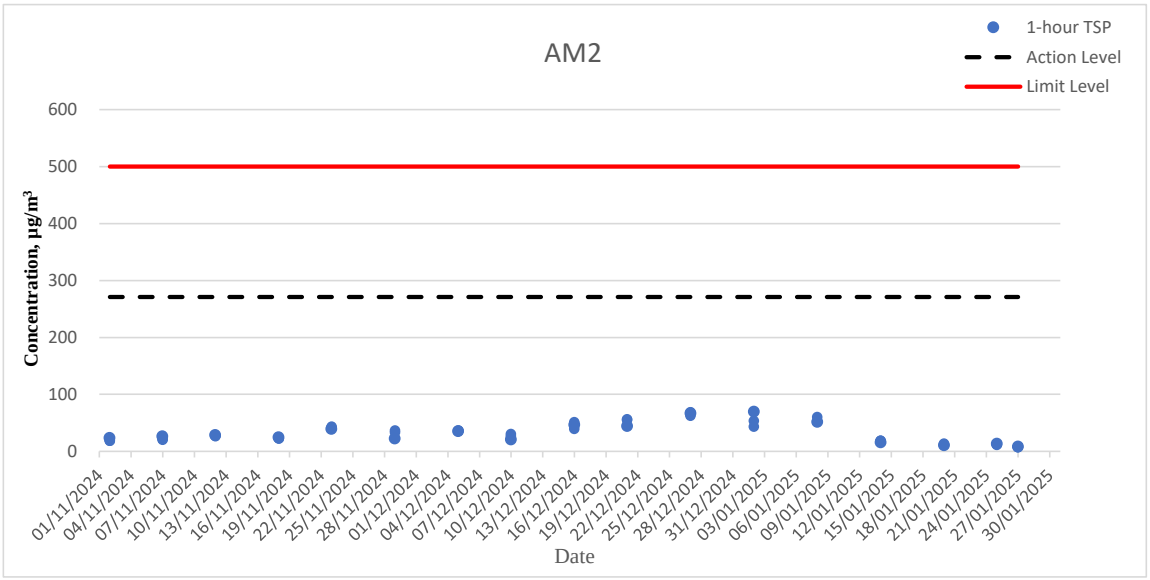
TSP-1hr		
Average	Max.	Min.
38	73	14

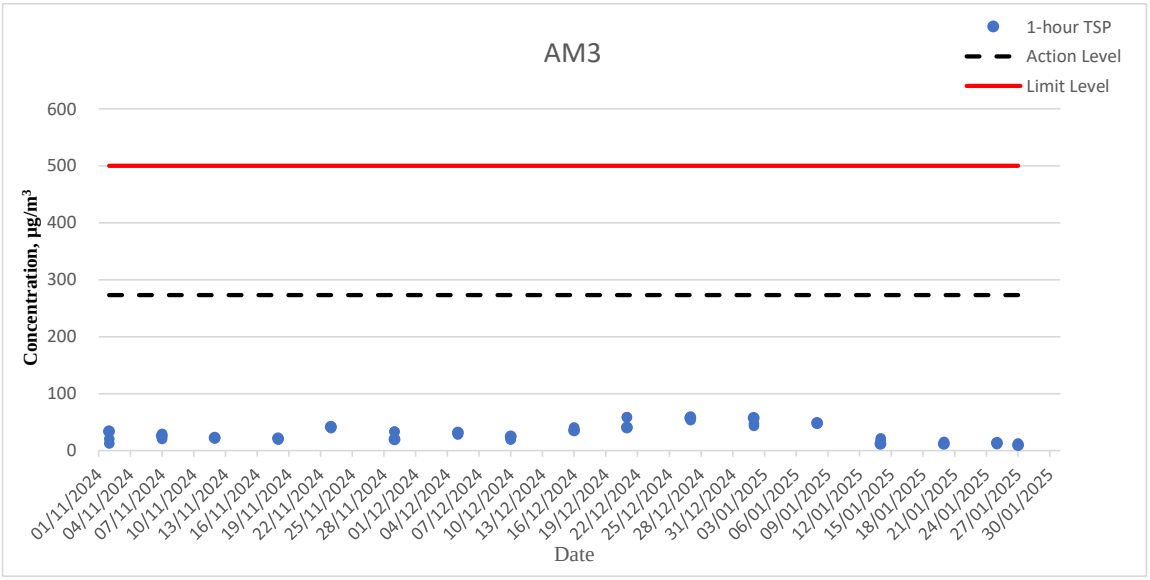
Summary of 1-hour Total Suspended Particulates ("1-hour TSP") Concentration (μg/m³) at Location AM14

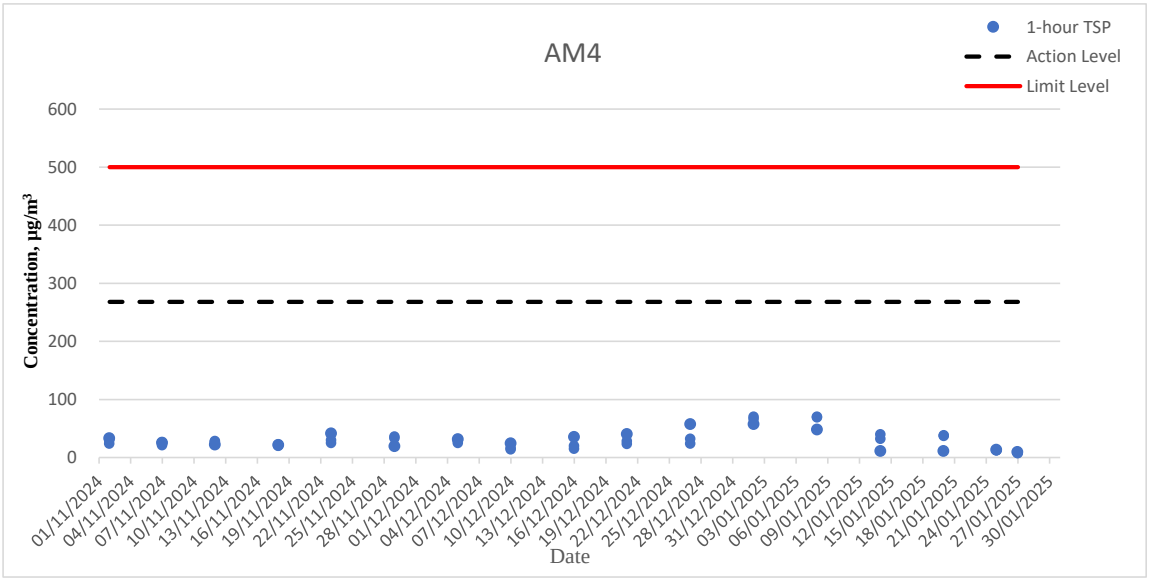
Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1)	Reading (2)	Reading (3)	Average
					μg/m³	μg/m³	μg/m³	μg/m³
04/01/2025	Fine	15:55	16:55	17:55	30	27	23	27
10/01/2025	Fine	14:11	15:11	16:11	38	41	39	39
16/01/2025	Fine	10:59	11:59	12:59	60	60	61	60
22/01/2025	Fine	14:49	15:49	16:49	15	15	14	15
28/01/2025	Fine	15:00	16:00	17:00	13	18	14	15

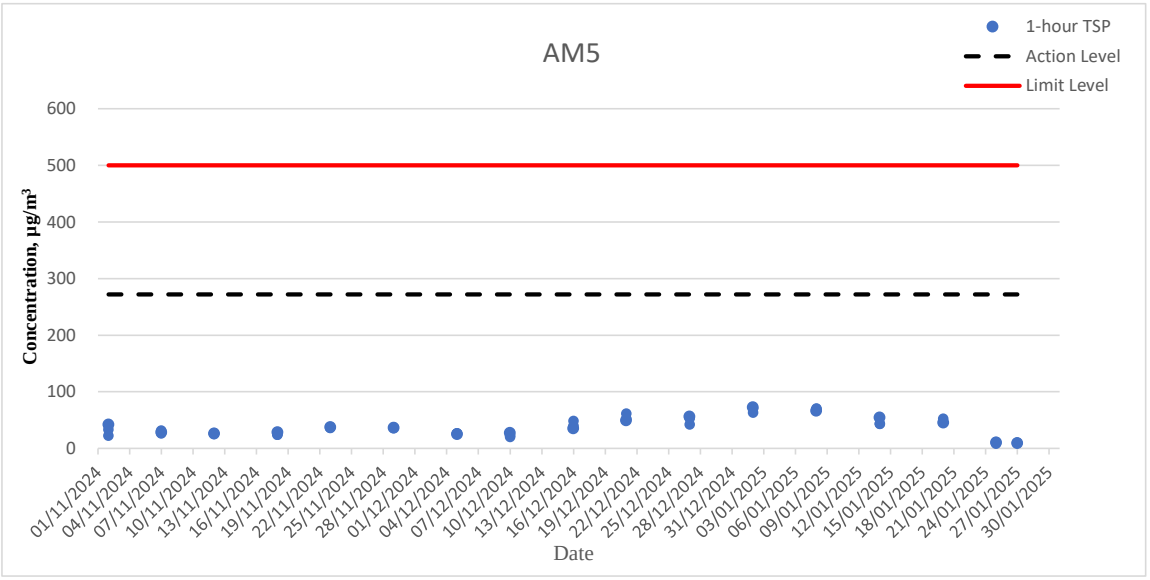
TSP-1hr		
Average	Max.	Min.
31	61	13

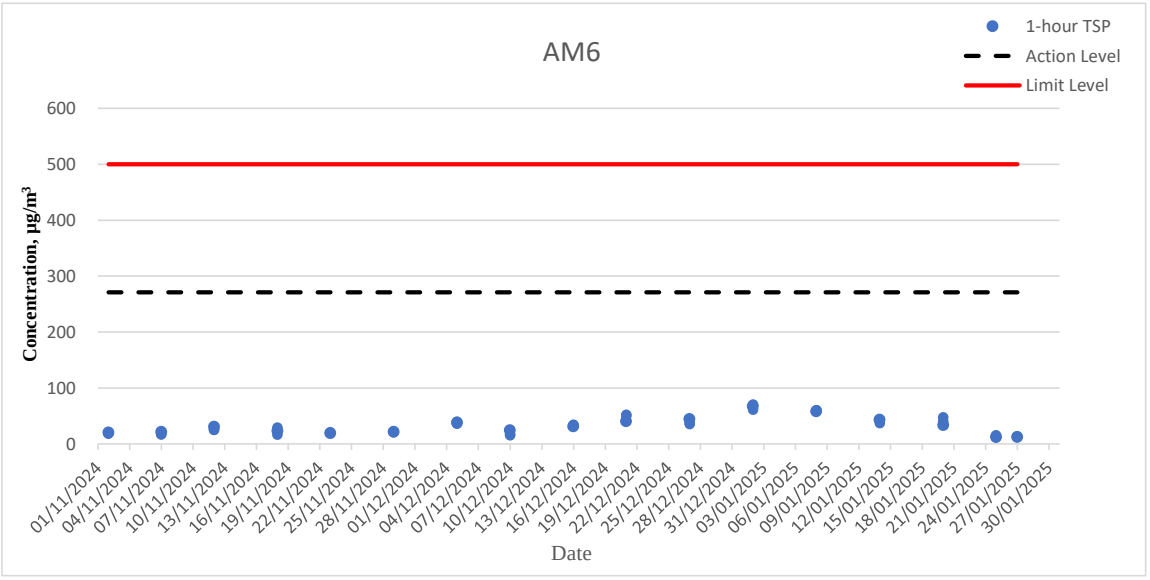

AM1
1-hour TSP
Action Level
Limit Level
Concentration, µg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
01/12/2024
04/12/2024
07/12/2024
10/12/2024
13/12/2024
16/12/2024
19/12/2024
22/12/2024
25/12/2024
28/12/2024
31/12/2024
03/01/2025
06/01/2025
09/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date

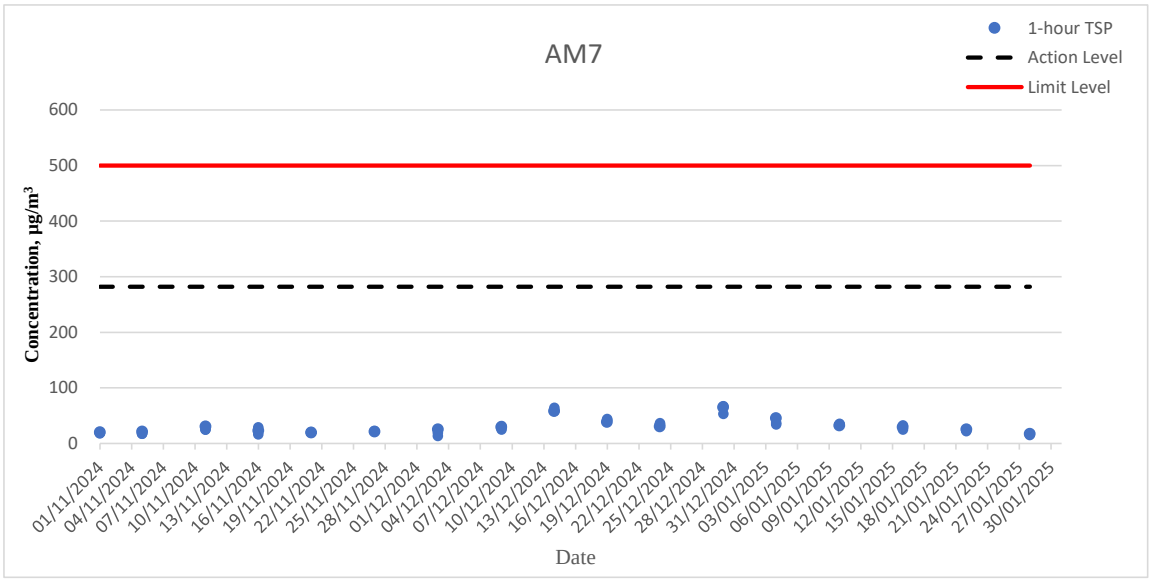

AM2
1-hour TSP
Action Level
Limit Level
Concentration, µg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
01/12/2024
04/12/2024
07/12/2024
10/12/2024
13/12/2024
16/12/2024
19/12/2024
22/12/2024
25/12/2024
28/12/2024
31/12/2024
03/01/2025
06/01/2025
09/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date


AM3
1-hour TSP
Action Level
Limit Level
Concentration, µg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
01/12/2024
04/12/2024
07/12/2024
10/12/2024
13/12/2024
16/12/2024
19/12/2024
22/12/2024
25/12/2024
28/12/2024
31/12/2024
03/01/2025
06/01/2025
09/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date


AM4
1-hour TSP
Action Level
Limit Level
Concentration, µg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
01/12/2024
04/12/2024
07/12/2024
10/12/2024
13/12/2024
16/12/2024
19/12/2024
22/12/2024
25/12/2024
28/12/2024
31/12/2024
03/01/2025
06/01/2025
09/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date


AM5
1-hour TSP
Action Level
Limit Level
Concentration, µg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
01/12/2024
04/12/2024
07/12/2024
10/12/2024
13/12/2024
16/12/2024
19/12/2024
22/12/2024
25/12/2024
28/12/2024
31/12/2024
03/01/2025
06/01/2025
09/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date


AM6
1-hour TSP
Action Level
Limit Level
Concentration, µg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
01/12/2024
04/12/2024
07/12/2024
10/12/2024
13/12/2024
16/12/2024
19/12/2024
22/12/2024
25/12/2024
28/12/2024
31/12/2024
03/01/2025
06/01/2025
09/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date


AM7
1-hour TSP
Action Level
Limit Level
Concentration, μg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
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28/12/2024
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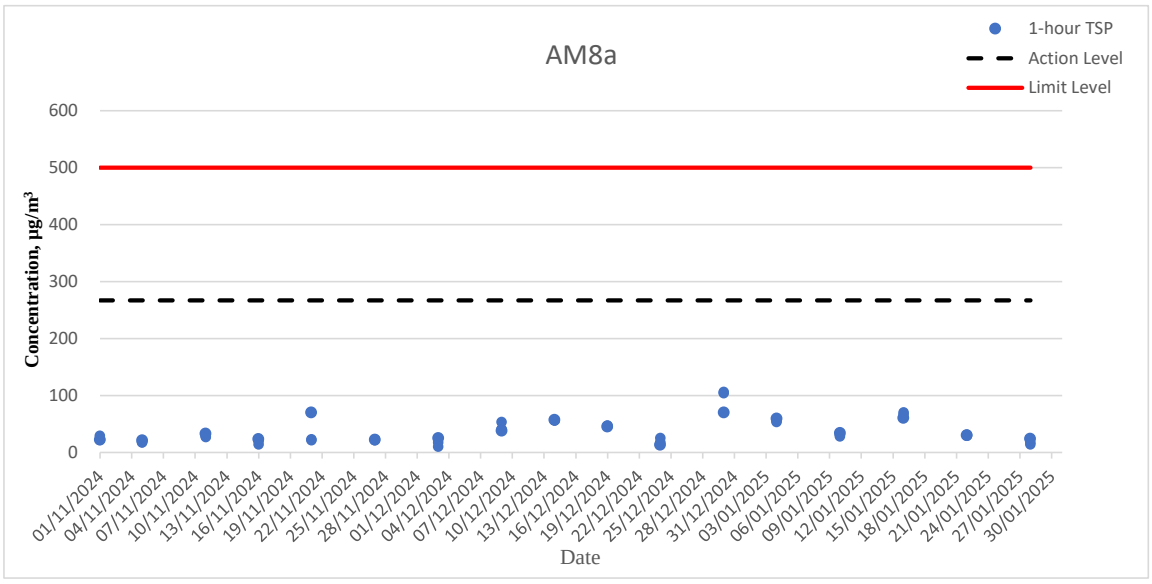
03/01/2025
06/01/2025
09/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date


AM8a
1-hour TSP
Action Level
Limit Level
Concentration, μg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
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04/12/2024
07/12/2024
10/12/2024
13/12/2024
16/12/2024
19/12/2024
22/12/2024
25/12/2024
28/12/2024
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03/01/2025
06/01/2025
09/01/2025
12/01/2025
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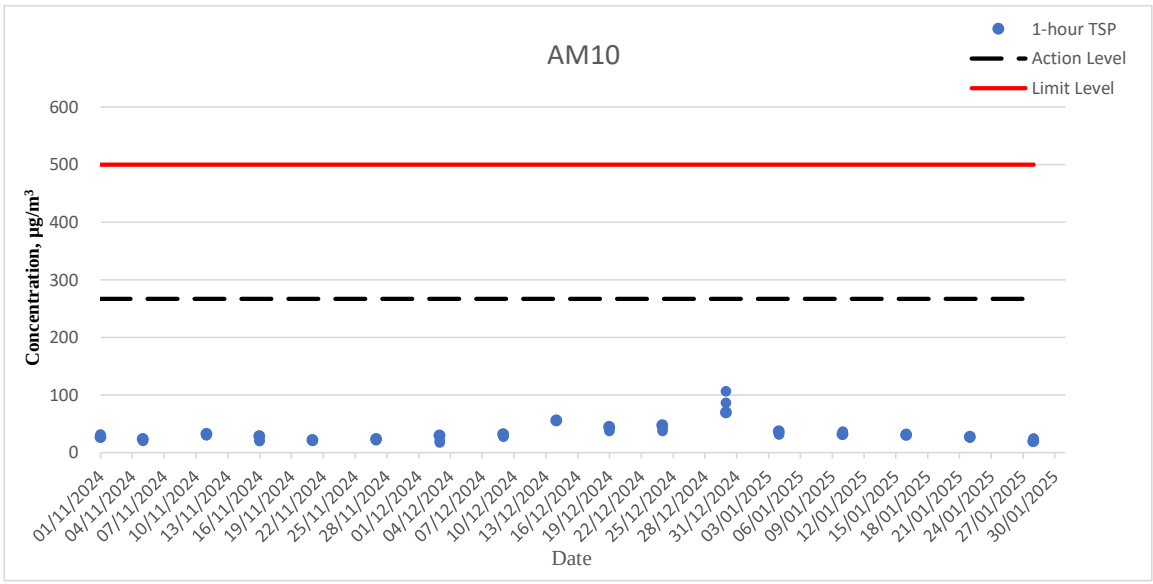
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date


AM10
1-hour TSP
Action Level
Limit Level
Concentration, μg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
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06/01/2025
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21/01/2025
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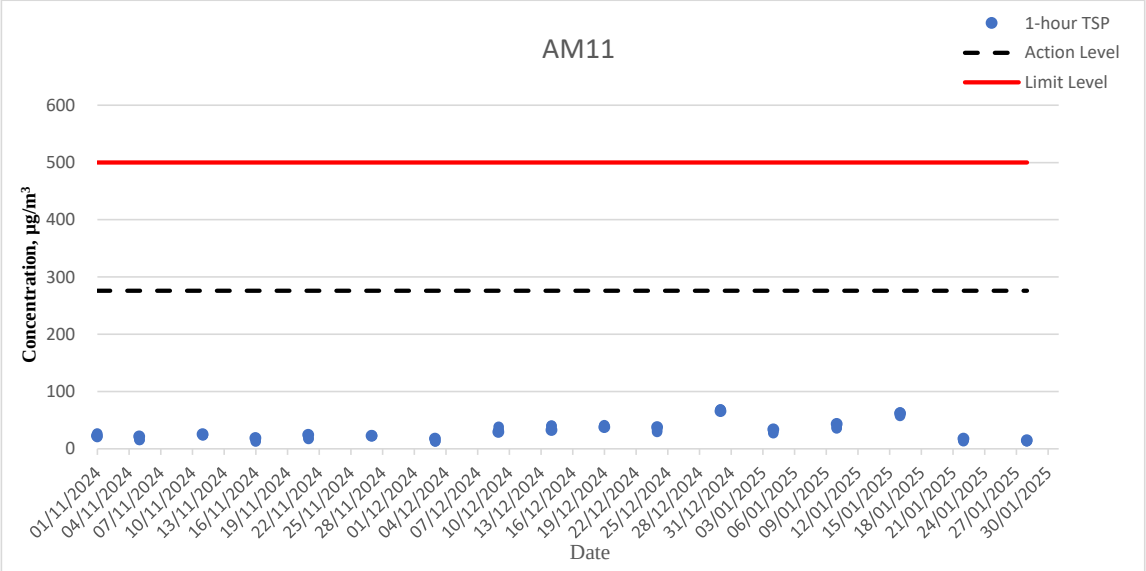
27/01/2025
30/01/2025
Date


AM11
1-hour TSP
Action Level
Limit Level
Concentration, µg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
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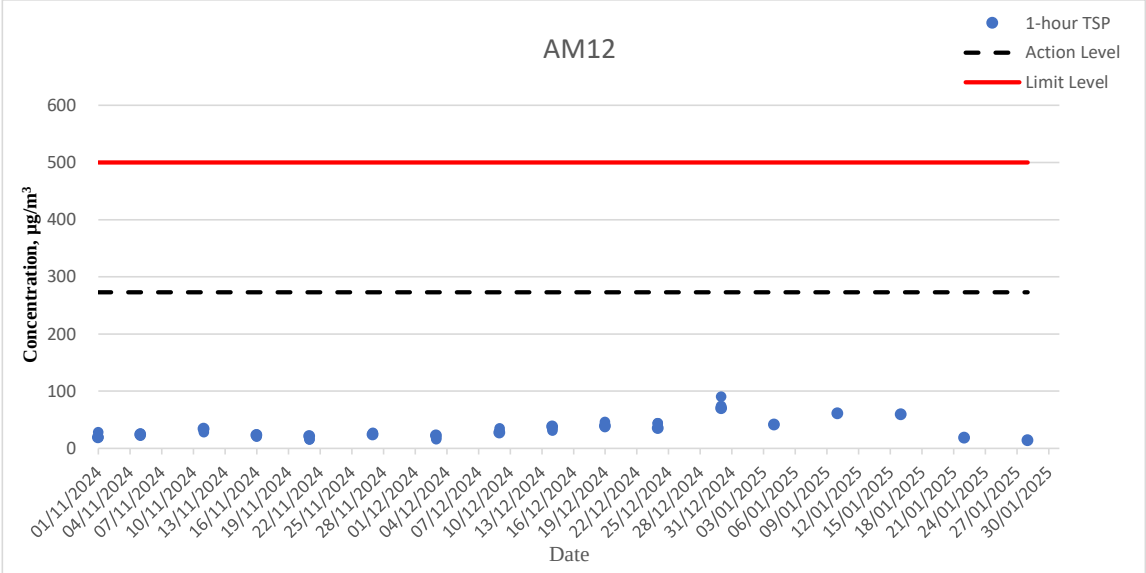
27/01/2025
30/01/2025
Date


AM12
1-hour TSP
Action Level
Limit Level
Concentration, µg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
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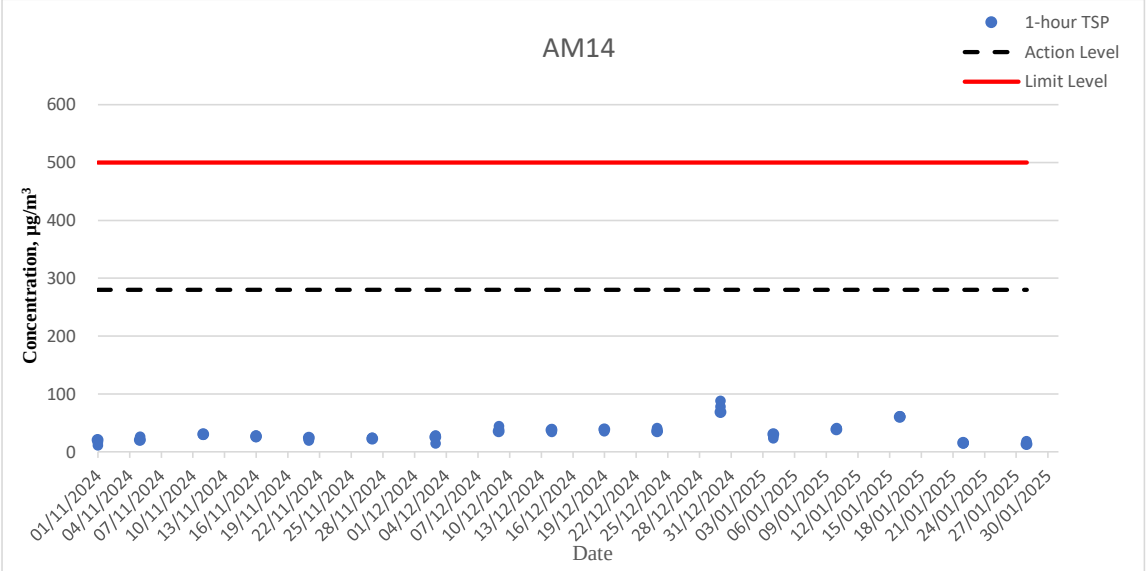
27/01/2025
30/01/2025
Date


AM14
1-hour TSP
Action Level
Limit Level
Concentration, µg/m³
600
500
400
300
200
100
0
01/11/2024
04/11/2024
07/11/2024
10/11/2024
13/11/2024
16/11/2024
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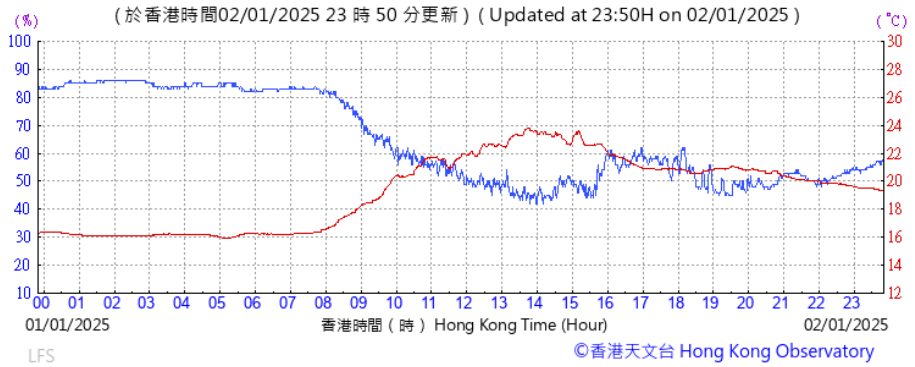
03/01/2025
06/01/2025
09/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date

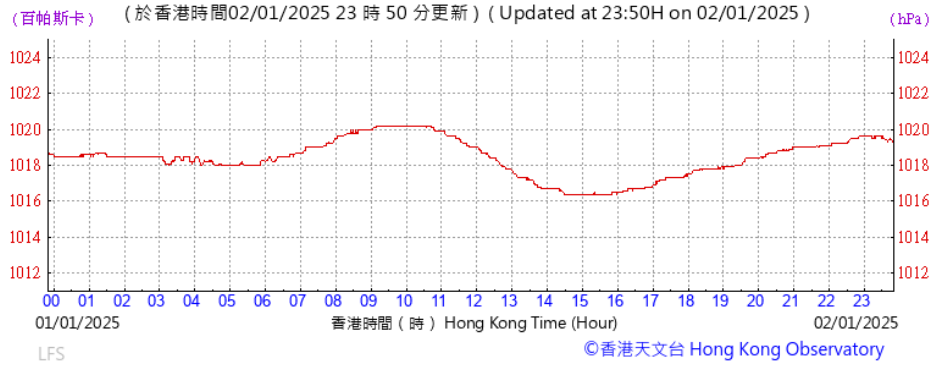
Appendix 2.3 Weather Information during the Reporting Period

02 January 2025

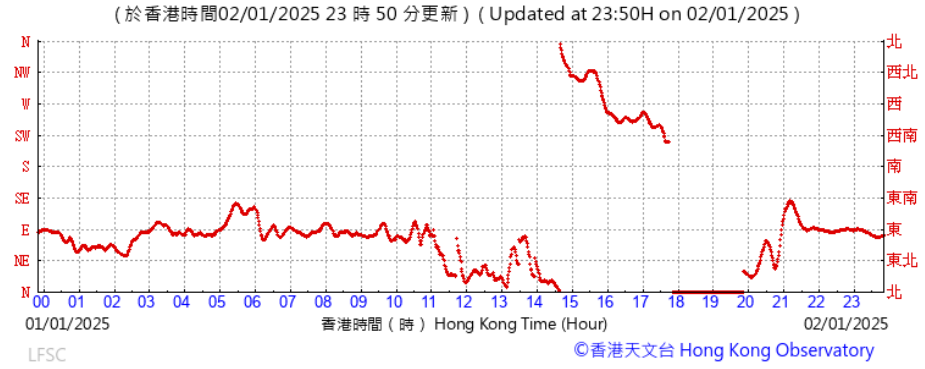
Temperature/humidity:



Pressure:



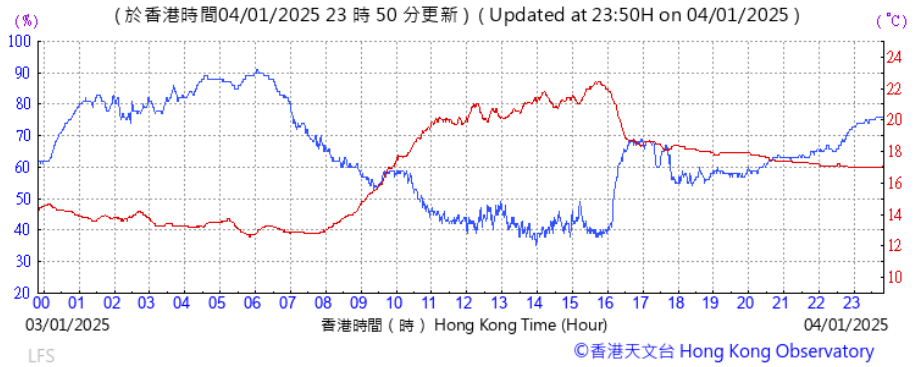
Wind Direction:



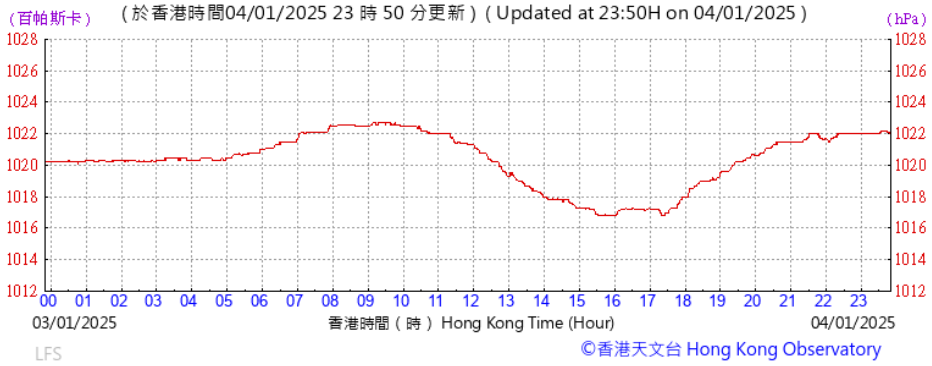
Wind Speed:

04 January 2025

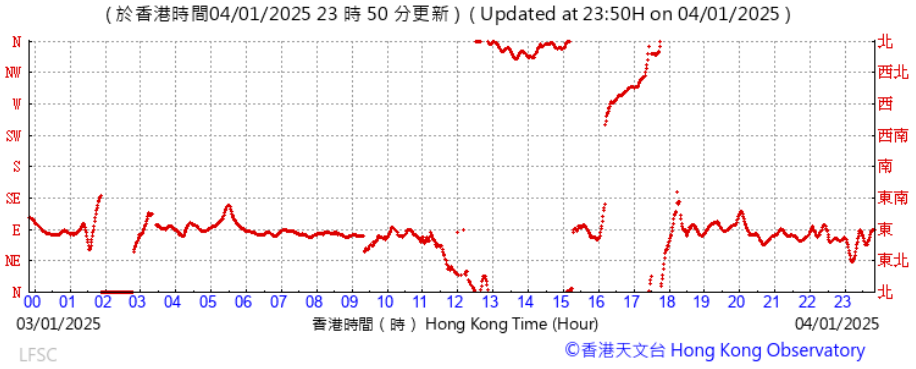
Temperature/humidity:



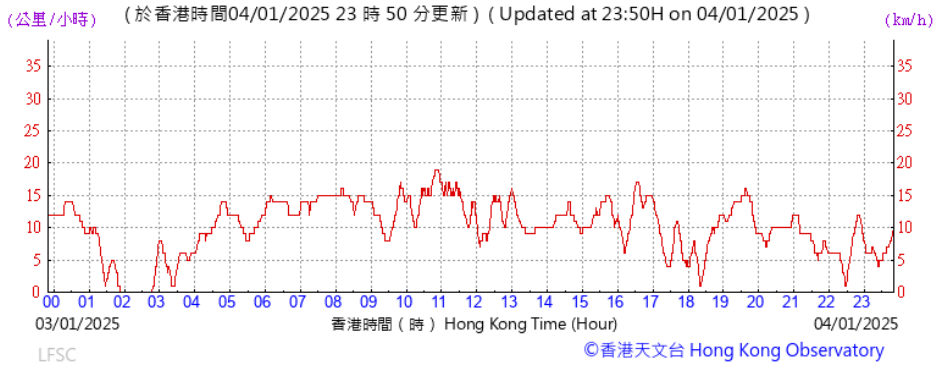
Pressure:



Wind Direction:

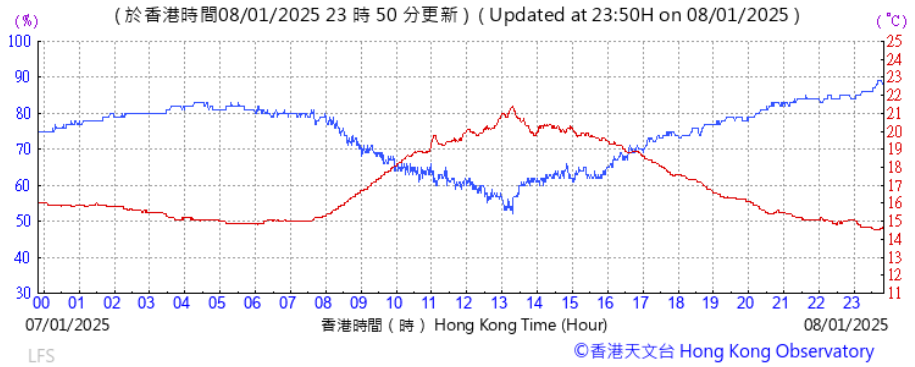


Wind Speed：

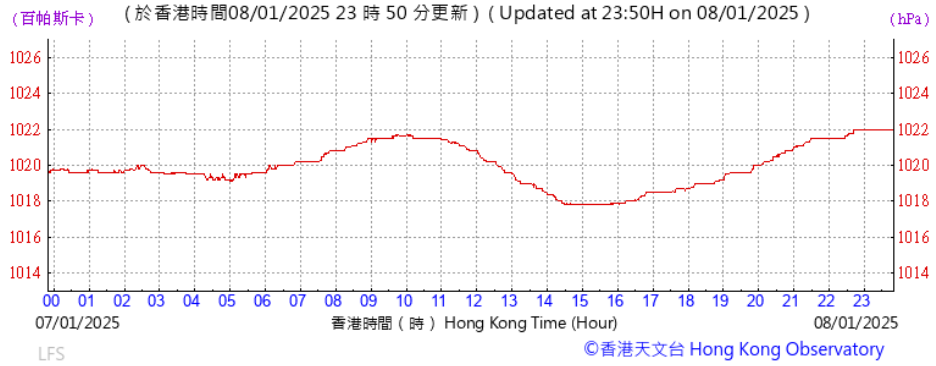


08 January 2025

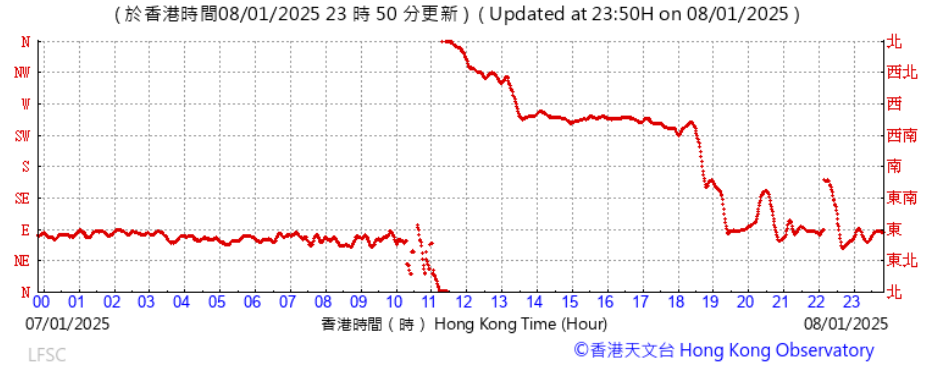
Temperature/humidity:



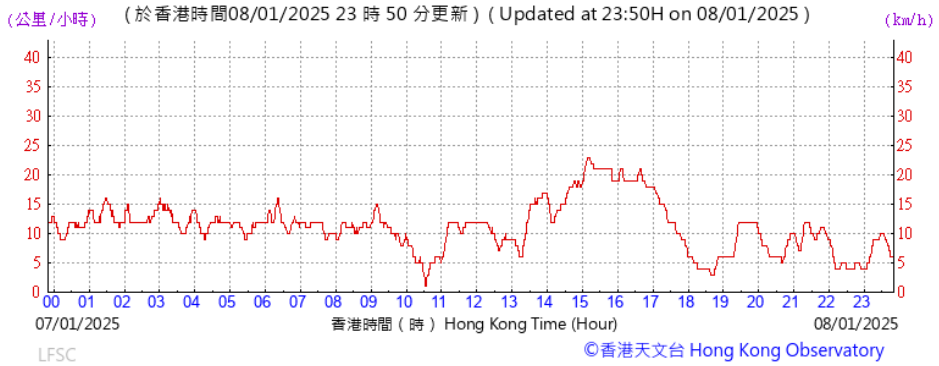
Pressure:



Wind Direction:

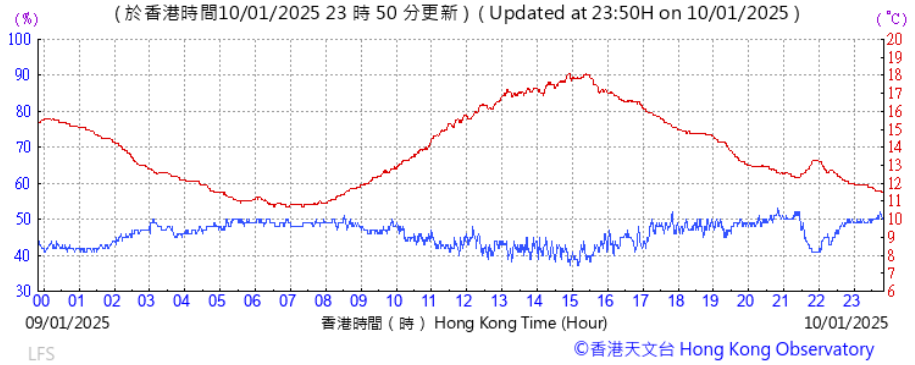


Wind Speed：

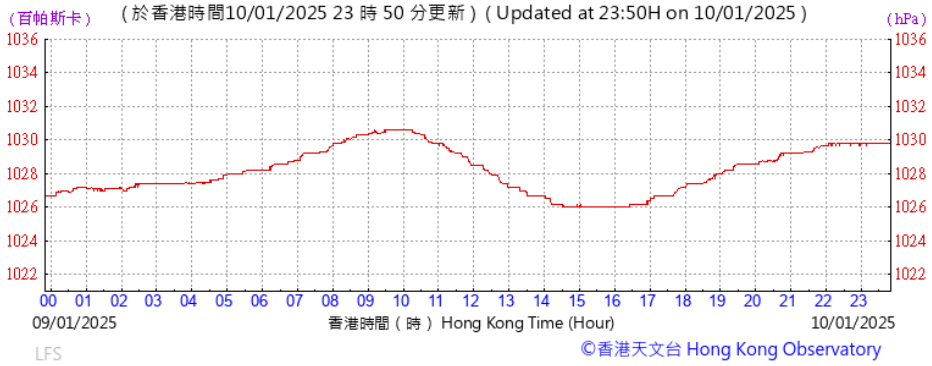


10 January 2025

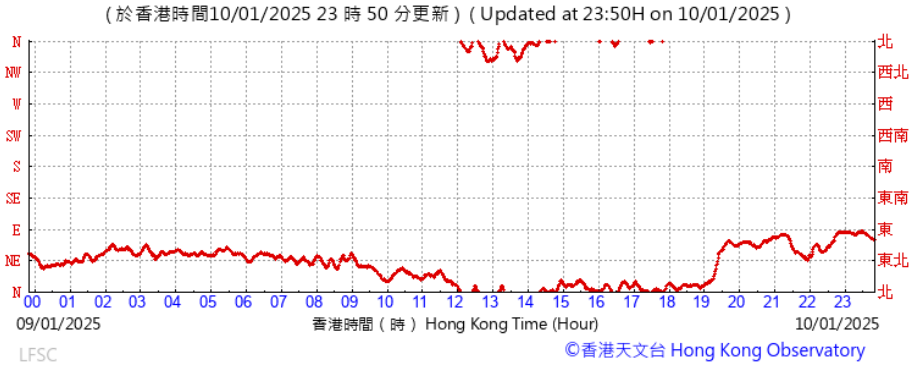
Temperature/humidity:



Pressure:



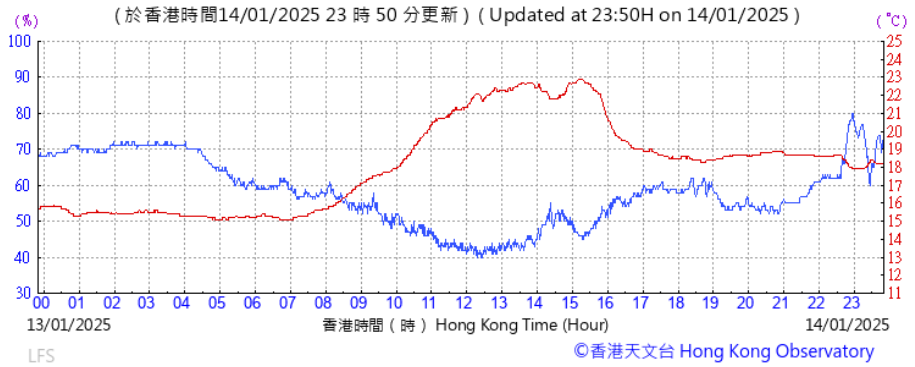
Wind Direction:



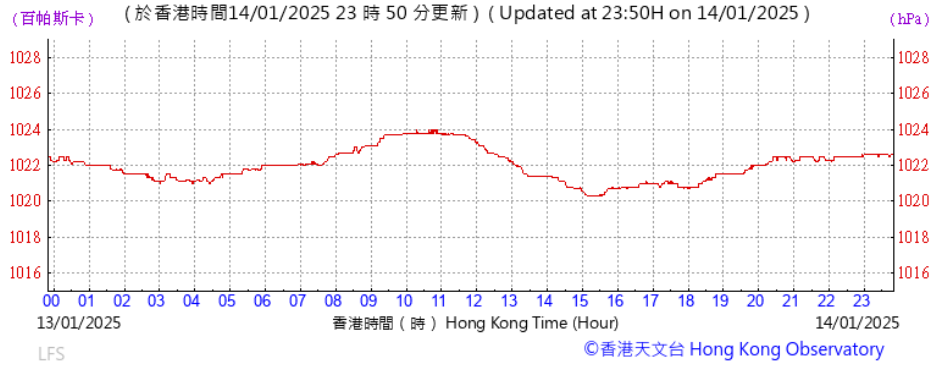
Wind Speed：

14 January 2025

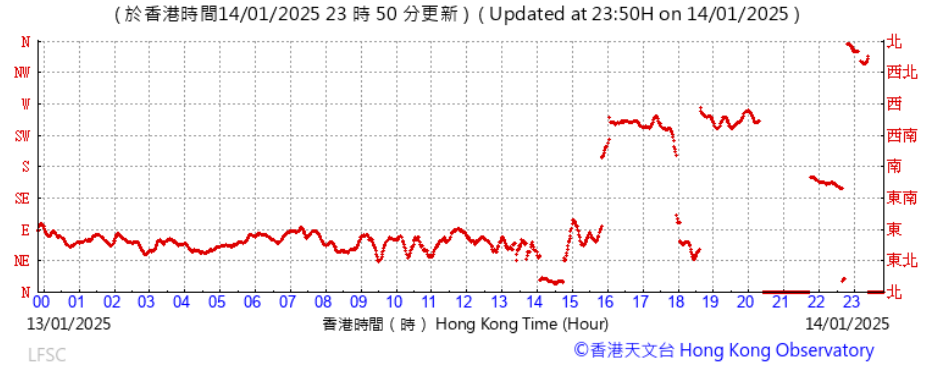
Temperature/humidity:



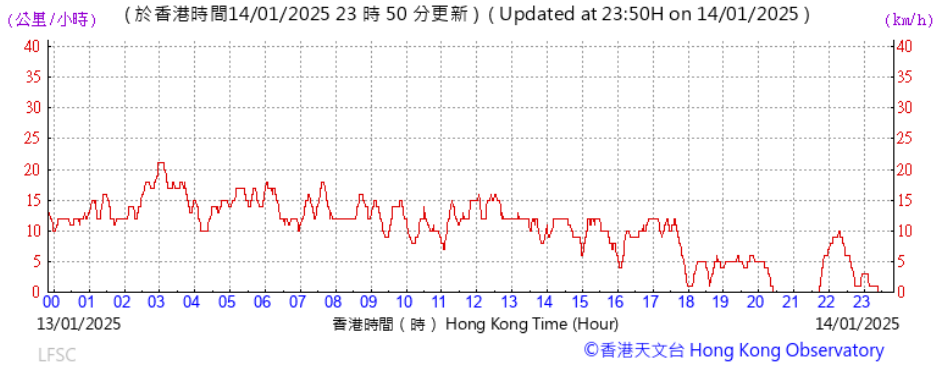
Pressure:



Wind Direction:

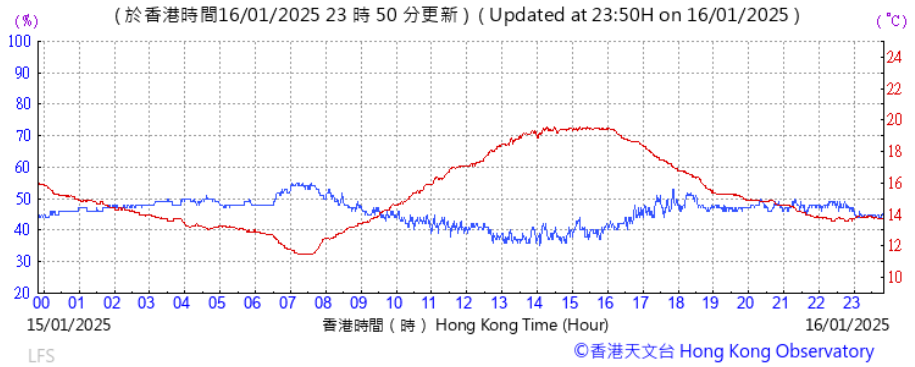


Wind Speed：

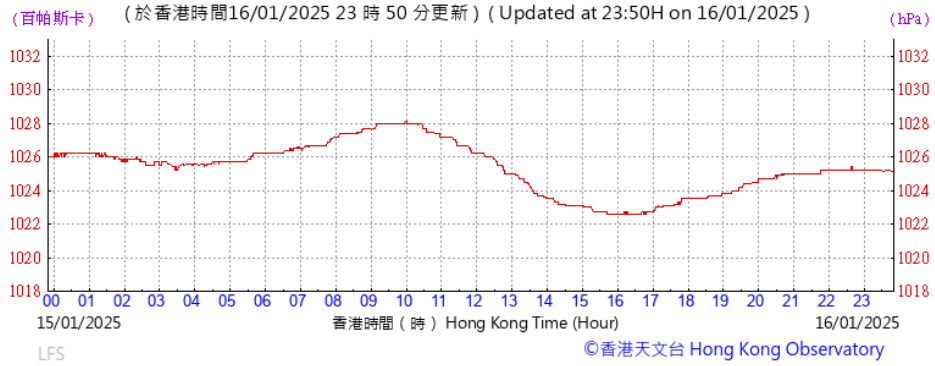


16 January 2025

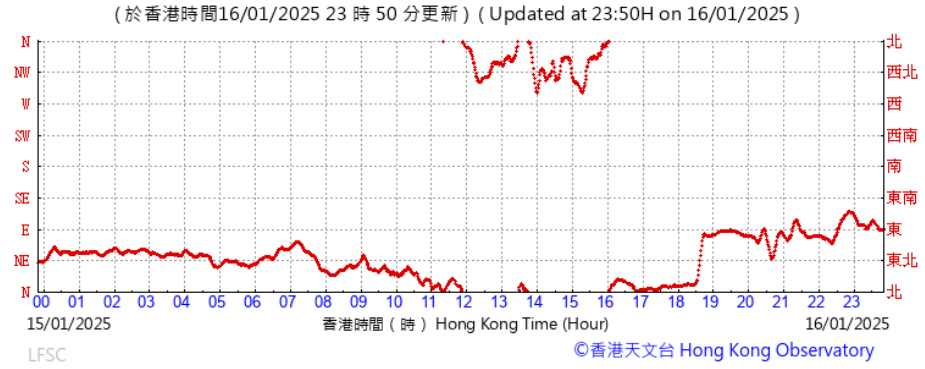
Temperature/humidity:



Pressure:



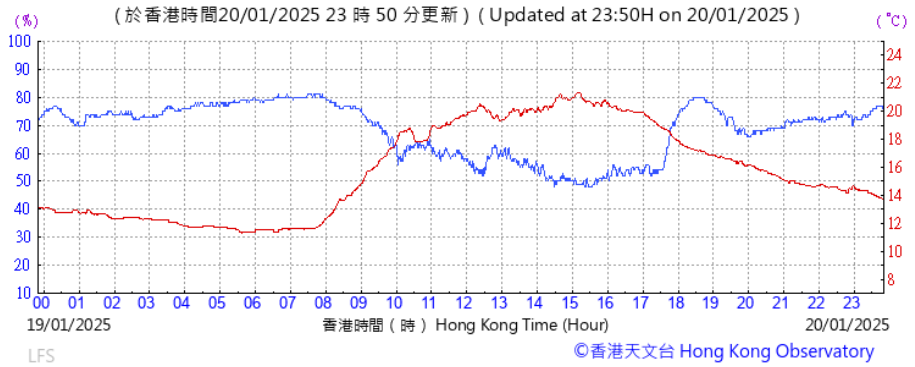
Wind Direction:



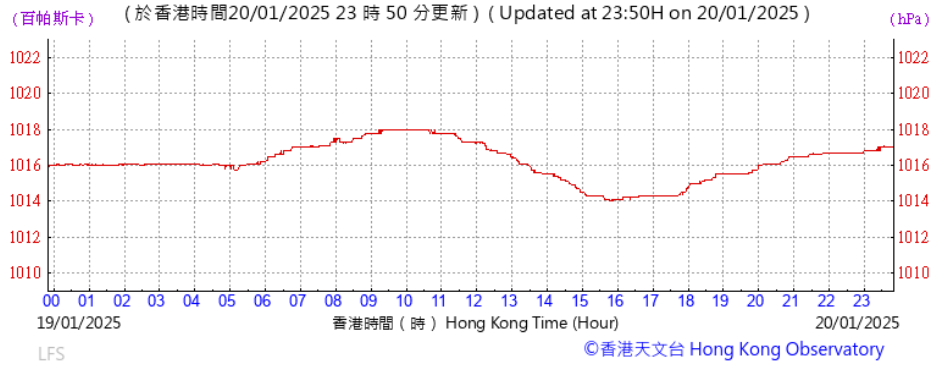
Wind Speed：

20 January 2025

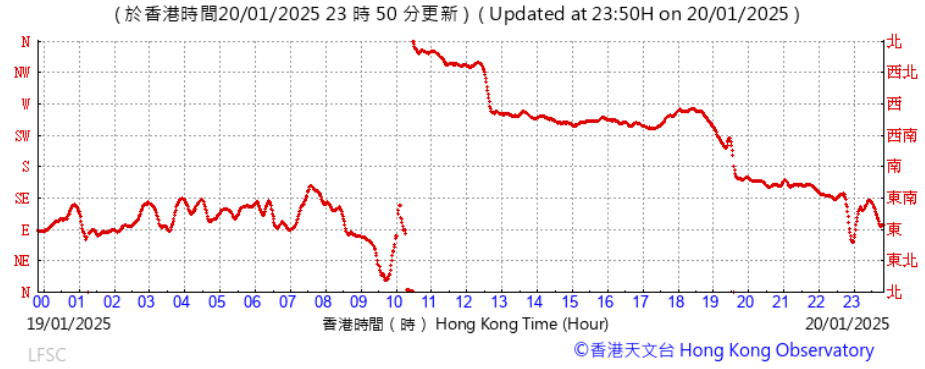
Temperature/humidity:



Pressure:



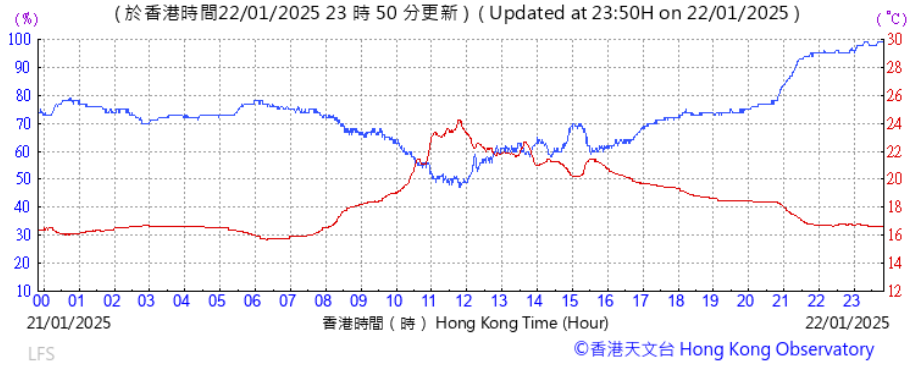
Wind Direction:



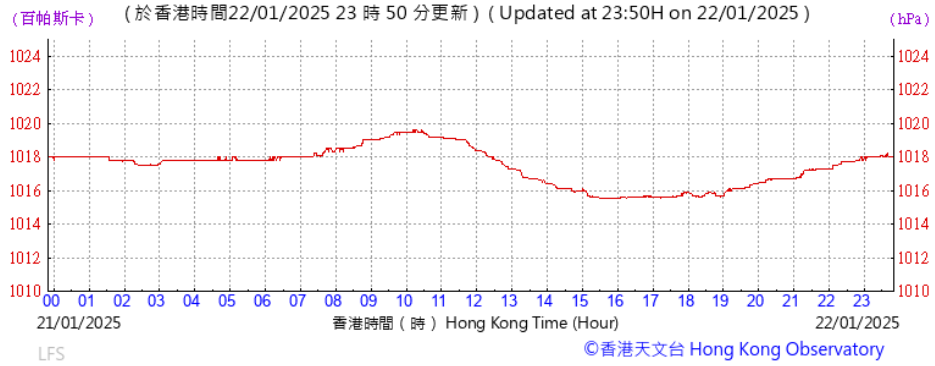
Wind Speed：

22 January 2025

Temperature/humidity:



Pressure:

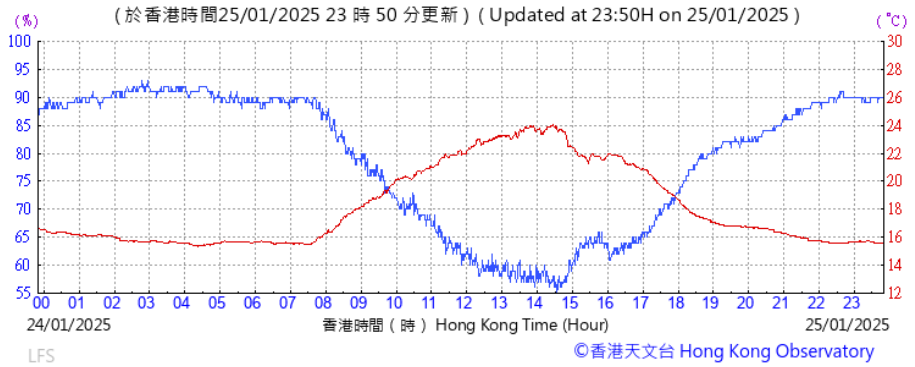


Wind Direction:

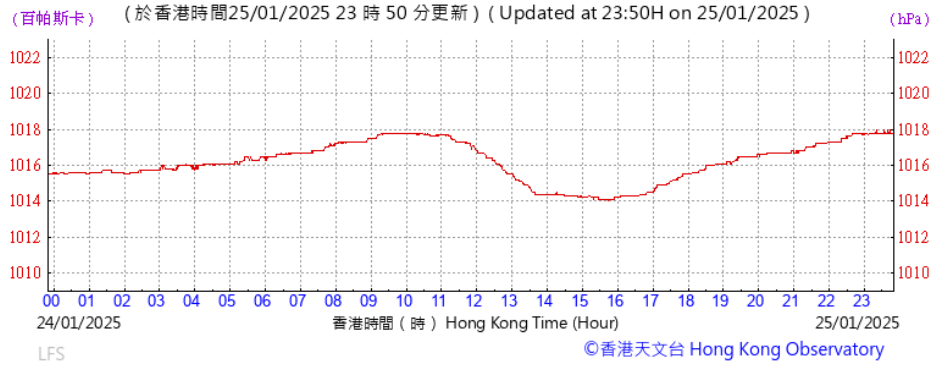
Wind Speed：

25 January 2025

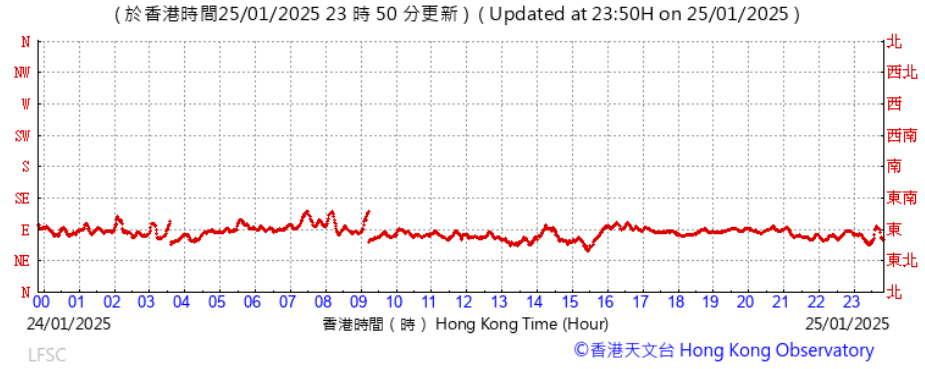
Temperature/humidity:



Pressure:



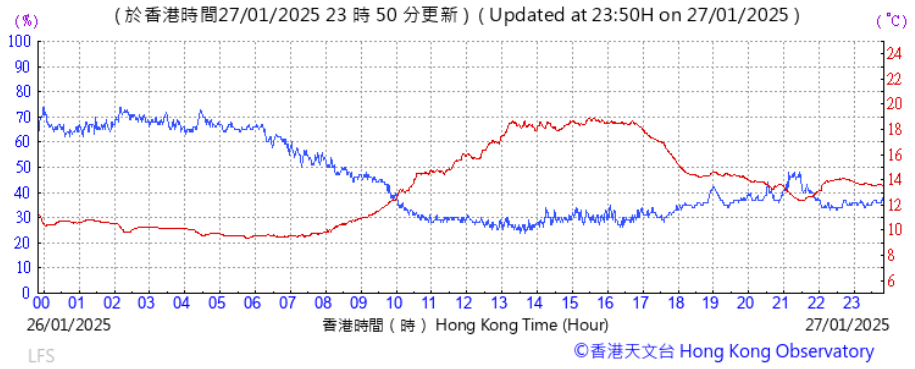
Wind Direction:



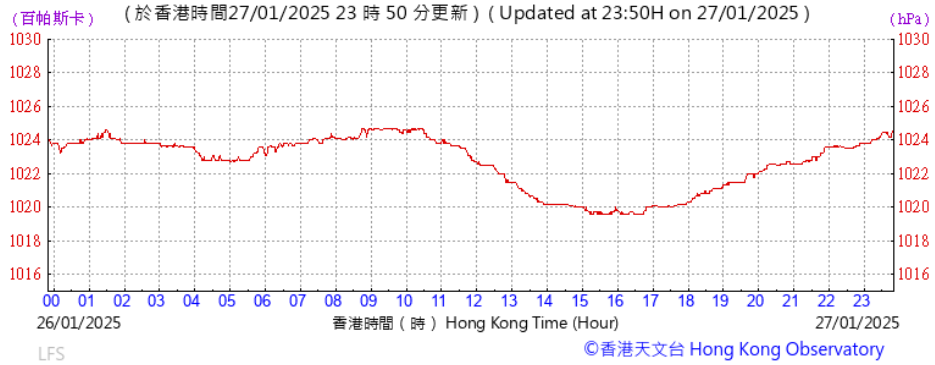
Wind Speed：

27 January 2025

Temperature/humidity:



Pressure:

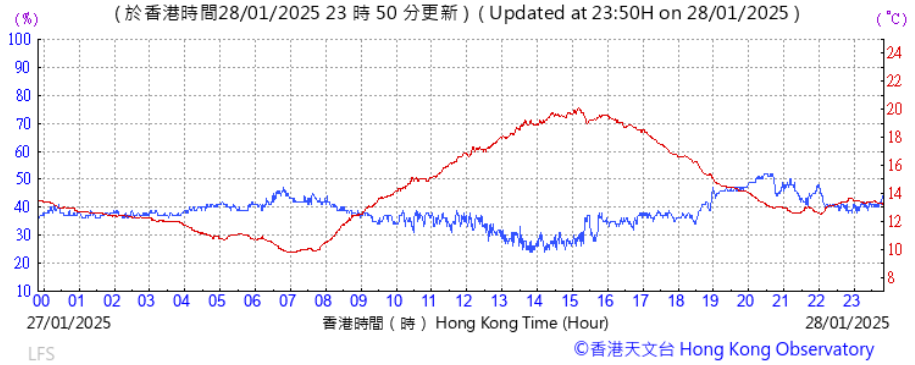


Wind Direction:

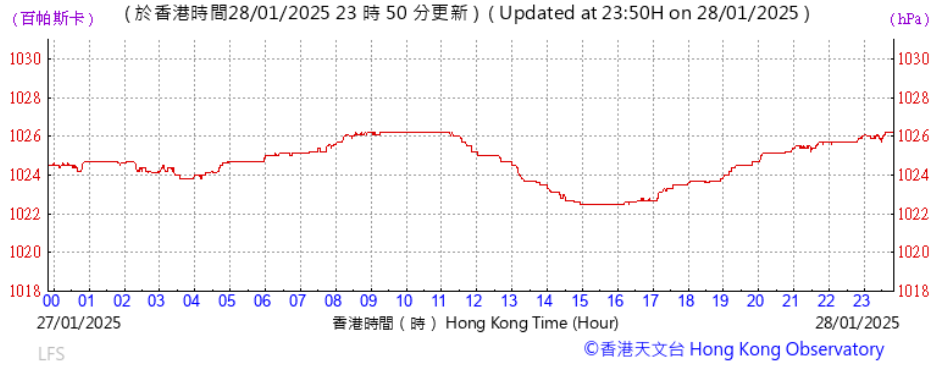
Wind Speed：

28 January 2025

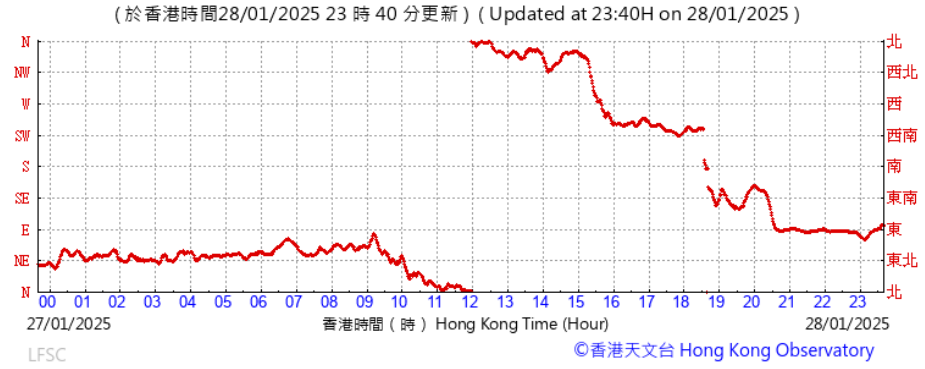
Temperature/humidity:



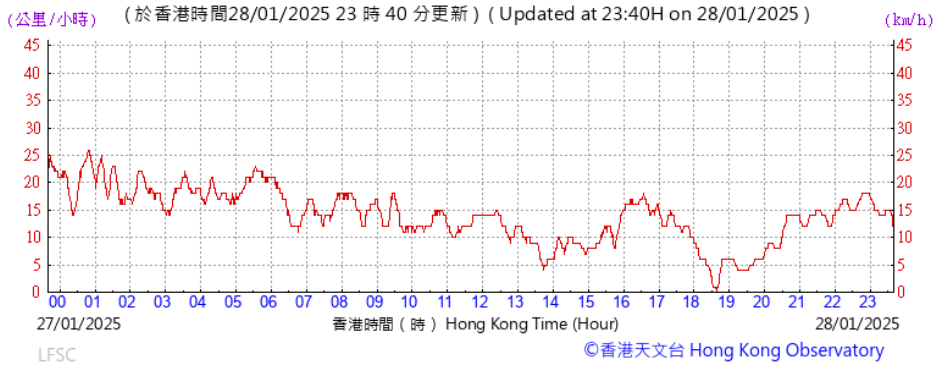
Pressure:



Wind Direction:



Wind Speed：



Appendix 2.4 Event and Action Plan for Air Quality

Event and Action Plan for Air Quality

Event	Action			
	ET	IEC	ER	Contractor
Action level being exceeded by one sampling	1. Identify source, investigate the causes of complaint and propose remedial measures; 2. Inform Contractor, IEC and ER; 3. Repeat measurement to confirm finding; and 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; and 3. Review and advise the ET and ER on the effectiveness of the proposed remedial measures.	1. Notify Contractor.	1. Identify source(s), investigate the causes of exceedance and propose remedial measures; 2. Implement remedial measures; and 3. Amend working methods agreed with the ER as appropriate.
Action level being exceeded by two or more consecutive sampling	1. Identify source; 2. Inform Contractor, IEC and ER; 3. Advise the Contractor and ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with Contractor, IEC and ER; and 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET, ER and Contractor on possible remedial measures; 4. Advise the ET and ER on the effectiveness of the proposed remedial measures; and 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented by the Contractor; and 4. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Identify source and investigate the causes of exceedance; 2. Submit proposals for remedial measures to the ER with a copy to ET and IEC within three working days of notification; 3. Implement the agreed proposals; and 4. Amend proposal as appropriate.

Limit level being exceeded by one sampling	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform Contractor, IEC, ER, and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; and 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; and 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to ER with a copy to ET and IEC within three working days of notification; 4. Implement the agreed proposals; and 5. Amend proposal if appropriate.

Limit level being exceeded by two or more consecutive sampling	1. Notify IEC, ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by the ET; 2. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 3. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and 4. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented; 3. Supervise the implementation of remedial measures; and 4. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Identify source(s) and investigate the causes of exceedance; 2. Take immediate action to avoid further exceedance; 3. Submit proposals for remedial measures to the ER with a copy to the IEC and ET within three working days of notification; 4. Implement the agreed proposals; 5. Revise and resubmit proposals if problem still not under control; and 6. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Appendix 3.1 Calibration Certificates of Impact Noise Monitoring Equipment

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***34724244***

Submitted by:

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

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

☑ **Within**
☐ **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibrated by: _____ ***Calibration Technician***

Certified by: _____ ***Mr. Ng Yan Wa***
Laboratory Manager

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

Date of issue: **24 July 2024**

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

1. *Calibration Precautions:*

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

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

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

4. *Calibration Equipment:*

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

5. *Calibration Results*

5.1 Sound Pressure Level

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

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

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

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

Certificate of Calibration

for

Description:	***Sound Level Calibrator***
Manufacturer:	***RION***
Type No.:	***NC-75***
Serial No.:	***34724245***

Submitted by:

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

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

☑ **Within**
☐ **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibrated by: _____
Calibration Technician

Certified by: _____
Mr. Ng Yan Wa
Laboratory Manager

Date of issue: **24 July 2024**

Certificate No.: APJ23-154-CC003

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

1. *Calibration Precautions:*

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

- The results presented are the mean of 3 measurements at each calibration point.

2. *Calibration Specifications:*

Calibration check

3. *Calibration Conditions:*

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

4. *Calibration Equipment:*

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

5. *Calibration Results*

5.1 Sound Pressure Level

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

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

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

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

Manufacturer Calibration Certificate

The sound level meter submitted for testing successfully completed the periodic tests of IEC 61672-3. All tests are traceable in accordance with ISO/IEC 17025.

No pattern approval is available for this sound level meter configuration.

Sound Level Meter

Manufacturer	NTi Audio		
Type	XL3	S/N	A3A-01229-F0
Firmware	V1.36		
Microphone Model	M2340		
Preamplifier	MA230	S/N	1794
Microphone Capsule	MC230A	S/N	A28290
Performance class			
Customer Inventory Nr.			

Customer

Date 25 July 2024

Certificate FL-24-115

Results **PASSED**
(for detailed report see next pages)

Operator

Markus Frick

NTi Audio AG • Im alten Riet 102, 9494 Schaan • Liechtenstein
info@nti-audio.com • www.nti-audio.com

Measurement equipment

Test System

Model	NTi Audio FX100, S/No. 11094
Last Calibration	02 July 2024
Cal Certificate	NTI Cal #3393
Next Calibration	02 July 2025

Reference Microphone

Model	MTG MV203 S/N #2435, Mic Capsule MK202 S/No. #7313
Last Calibration	18 November 2022
Cal Certificate	DAkkS-000875
Next Calibration	17 November 2024

Sound Calibrator

Model	Norsonic 1251 S/No. #30930
Reference Level	114 dB
Calibration Frequency	1000 Hz
Last Calibration	08 December 2022
Cal Certificate	METAS #259-19602
Next Calibration	07 December 2024

Environmental conditions

Temperature	25.2 °C
Humidity	48 %
Pressure	965 hPa

Notes

- This calibration certificate documents the traceability to national standards, which realize the units of measurement according to the international Systems of Units (SI).
- The user is obliged to have the object recalibrated at appropriate intervals.
- This calibration certificate may not be reproduced other than in full except with the permission of the issuing laboratory. Calibration certificates without signature are not valid.
- All limits listed in this report are acceptance limits in accordance with IEC61672.
- The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with the regulations of the GUM.

NTi AUDIO

1. Indication at the calibration check frequency

The indication of the sound level meter at the calibration check frequency is checked by application of the sound calibrator and adjusted, if necessary, to indicate the required sound level for the environmental conditions under which the tests are performed. All levels in [dB].

Sensitivity before calibration	Sensitivity after calibration	Meas level	Limit -	Limit +	Uncert.	Status
42.9 mV/Pa	44.4 mV/Pa	114	113	115	0.2	Passed

2. Self-generated noise

2.1 Microphone cartridge installed

The self-generated noise is measured in the most-sensitive level range as a time-averaged sound pressure level with frequency-weighting A and an averaging time of 30 seconds. All levels in [dB].

Weighting	Meas level	Limit +	Uncert.	Status
A	16.0	19.0	0.1	Passed

2.2 Microphone cartridge replaced by the capsule replacement NTI-K65-15

The self-generated noise is measured in the most-sensitive level range as a time-averaged sound pressure level for all frequency-weightings and an averaging time of 30 seconds. All levels in [dB] referenced to S = 42 mV/Pa.

Weighting	Meas level	Limit +	Uncert.	Status
A	10.7	13.0	0.1	Passed
C	12.8	16.0	0.1	Passed
Z	18.6	24.0	0.1	Passed

3. Acoustic signal tests of a frequency weighting

The frequency weighting is tested for frequency-weighting A, using an acoustic test facility. The sound level meter is set to a fast time-weighted sound level in the reference level range. All levels in [dB].

Freq. [Hz]	Gen. level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
125	70.0	69.6	-0.4	-1.0	1.0	0.4	Passed
250	77.1	77.0	-0.1	-1.0	1.0	0.4	Passed
500	82.7	82.7	0.0	-1.0	1.0	0.4	Passed
1000	86.0	86.1	0.1	-0.7	0.7	0.4	Passed
2000	87.2	87.4	0.2	-1.0	1.0	0.4	Passed
4000	87.0	87.1	0.1	-1.0	1.0	0.4	Passed
8000	84.8	84.9	0.1	-2.5	1.5	0.4	Passed

4. Electric signal tests of frequency weightings

Frequency weightings are determined relative to the response at 1 kHz using steady sinusoidal electrical input signals. The sound level meter is set to display F-time-weighted sound level in the reference level range. All available frequency weightings provided in the sound level meter are verified. All levels in [dB].

4.1 A-Weighting

Freq. [Hz]	Gen. level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
1000	80.0	80.0	0.0	-0.7	0.7	0.1	Passed
63	106.2	80.0	0.0	-1.0	1.0	0.1	Passed
125	96.1	79.9	-0.1	-1.0	1.0	0.1	Passed
250	88.6	79.9	-0.1	-1.0	1.0	0.1	Passed
500	83.2	79.9	-0.1	-1.0	1.0	0.1	Passed
2000	78.8	80.0	0.0	-1.0	1.0	0.1	Passed
4000	79.0	79.9	-0.1	-1.0	1.0	0.1	Passed
8000	81.1	79.6	-0.4	-2.5	1.5	0.1	Passed
12500	84.3	79.3	-0.7	-2.5	1.5	0.1	Passed
16000	86.6	78.6	-1.4	-2.5	1.5	0.1	Passed

4.2 C-Weighting

Freq. [Hz]	Gen. level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
1000	80.0	80.0	0.0	-0.7	0.7	0.1	Passed
63	80.8	80.0	0.0	-1.0	1.0	0.1	Passed
125	80.2	80.0	0.0	-1.0	1.0	0.1	Passed
250	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
500	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
2000	80.2	80.0	0.0	-1.0	1.0	0.1	Passed
4000	80.8	79.9	-0.1	-1.0	1.0	0.1	Passed
8000	83.0	79.6	-0.4	-2.5	1.5	0.1	Passed
12500	86.2	79.3	-0.7	-2.5	1.5	0.1	Passed
16000	88.5	78.6	-1.4	-2.5	1.5	0.1	Passed

4.3 Z-Weighting

Freq. [Hz]	Gen. level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
1000	80.0	80.0	0.0	-0.7	0.7	0.1	Passed
63	80.0	79.9	-0.1	-1.0	1.0	0.1	Passed
125	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
250	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
500	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
2000	80.0	79.9	-0.1	-1.0	1.0	0.1	Passed
4000	80.0	79.9	-0.1	-1.0	1.0	0.1	Passed
8000	80.0	79.8	-0.2	-2.5	1.5	0.1	Passed
12500	80.0	79.8	-0.2	-2.5	1.5	0.1	Passed
16000	80.0	79.8	-0.2	-2.5	1.5	0.1	Passed

NTi AUDIO

5. Frequency and time weightings at 1kHz

While injecting a constant steady signal at the reference frequency of 1 kHz the F-time-weighted sound level, S-time-weighted sound level and time-averaged sound level are verified with frequency weighting A. Additionally the F-time-weighted sound level for frequency weightings C and Z is measured. The first measurement serves as reference and differences in the reading with respect to this first one are determined. All levels in [dB].

Level	Exp level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
LAF	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LAS	114.0	113.8	-0.2	-0.7	0.7	0.1	Passed
LAeq	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LCF	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LCeq	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LZF	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LZeq	114.0	114.0	0.0	-0.7	0.7	0.1	Passed

6. Level linearity on the reference level range

The level linearity on the reference level range is determined by applying steady sinusoidal electrical signals at a frequency of 8 kHz with the sound level meter set for frequency-weighting A and fast time-weighting. All levels in [dB].

Exp abs level	Meas. level	Abs dev	Abs Limit -	Abs Limit +	Exp rel level	Rel dev	Rel Limit -	Rel Limit +	Uncert.	Status
114.0	114.0	0.0	-0.8	0.8	0.0	0.0	-0.3	0.3	0.1	Passed
119.0	119.0	0.0	-0.8	0.8	119.0	0.0	-0.3	0.3	0.1	Passed
124.0	124.0	0.0	-0.8	0.8	124.0	0.0	-0.3	0.3	0.1	Passed
129.0	129.0	0.0	-0.8	0.8	129.0	0.0	-0.3	0.3	0.1	Passed
134.0	134.1	0.1	-0.8	0.8	134.0	0.1	-0.3	0.3	0.1	Passed
135.0	135.1	0.1	-0.8	0.8	135.1	0.0	-0.3	0.3	0.1	Passed
136.0	136.1	0.1	-0.8	0.8	136.1	0.0	-0.3	0.3	0.1	Passed
114.0	114.0	0.0	-0.8	0.8	0.0	0.0	-0.3	0.3	0.1	Passed
109.0	109.0	0.0	-0.8	0.8	109.0	0.0	-0.3	0.3	0.1	Passed
104.0	104.0	0.0	-0.8	0.8	104.0	0.0	-0.3	0.3	0.1	Passed
99.0	99.0	0.0	-0.8	0.8	99.0	0.0	-0.3	0.3	0.1	Passed
94.0	94.0	0.0	-0.8	0.8	94.0	0.0	-0.3	0.3	0.1	Passed
89.0	89.0	0.0	-0.8	0.8	89.0	0.0	-0.3	0.3	0.1	Passed
84.0	84.0	0.0	-0.8	0.8	84.0	0.0	-0.3	0.3	0.1	Passed
79.0	79.0	0.0	-0.8	0.8	79.0	0.0	-0.3	0.3	0.1	Passed
74.0	74.0	0.0	-0.8	0.8	74.0	0.0	-0.3	0.3	0.1	Passed
69.0	69.0	0.0	-0.8	0.8	69.0	0.0	-0.3	0.3	0.1	Passed
64.0	64.0	0.0	-0.8	0.8	64.0	0.0	-0.3	0.3	0.1	Passed
59.0	59.0	0.0	-0.8	0.8	59.0	0.0	-0.3	0.3	0.1	Passed
54.0	54.0	0.0	-0.8	0.8	54.0	0.0	-0.3	0.3	0.1	Passed
49.0	49.0	0.0	-0.8	0.8	49.0	0.0	-0.3	0.3	0.1	Passed
44.0	44.0	0.0	-0.8	0.8	44.0	0.0	-0.3	0.3	0.1	Passed
39.0	39.0	0.0	-0.8	0.8	39.0	0.0	-0.3	0.3	0.1	Passed
34.0	34.0	0.0	-0.8	0.8	34.0	0.0	-0.3	0.3	0.1	Passed
29.0	29.0	0.0	-0.8	0.8	29.0	0.0	-0.3	0.3	0.1	Passed
28.0	28.0	0.0	-0.8	0.8	28.0	0.0	-0.3	0.3	0.1	Passed
27.0	27.1	0.1	-0.8	0.8	27.0	0.1	-0.3	0.3	0.1	Passed
26.0	26.1	0.1	-0.8	0.8	26.1	0.0	-0.3	0.3	0.1	Passed
25.0	25.1	0.1	-0.8	0.8	25.1	0.0	-0.3	0.3	0.1	Passed

7. Level linearity including the level range control

This test is not applicable for a single-range sound level meter.

8. Toneburst response

The response of the sound level meter to short-duration signals is tested on the reference level range with 4 kHz tonebursts that start and stop at zero crossings and are extracted from steady 4 kHz sinusoidal electrical input signals. The sound level meter is set for frequency weighting A. All levels in [dB].

The continuous signal level is 123 dB.

Burst signal	Burst duration [ms]	Exp level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
LAF	200	122.0	121.9	-0.1	-0.5	0.5	0.2	Passed
LAF	2	105.0	104.7	-0.3	-1.5	1.0	0.2	Passed
LAF	0.25	96.0	95.6	-0.4	-3.0	1.0	0.2	Passed
LAS	200	115.6	115.5	-0.1	-0.5	0.5	0.2	Passed
LAS	2	96.0	95.9	-0.1	-3.0	1.0	0.2	Passed
LAeq10s	200	106.0	105.9	-0.1	-0.5	0.5	0.2	Passed
LAeq10s	2	86.0	85.9	-0.1	-0.5	0.5	0.2	Passed
LAeq10s	0.25	77.0	76.6	-0.4	-0.5	0.5	0.2	Passed

9. C-weighted peak sound level

The sound level meter is tested on the least-sensitive level range with fast time weighting and C frequency weighting. The test signals are a single complete cycle of an 8 kHz sinusoid starting and stopping at zero crossings and positive and negative half cycles of a 500 Hz sinusoid that also start and stop at zero crossings. All levels in [dB].

Burst signal	Source level	Exp LCp-LCF	Meas LCp-LCF	Dev	Limit -	Limit +	Uncert.	Status
8kHz	114.0	3.4	3.3	-0.1	-2.0	2.0	0.2	Passed
500Hz +	132.0	2.4	2.2	-0.2	-1.0	1.0	0.2	Passed
500Hz -	132.0	2.4	2.2	-0.2	-1.0	1.0	0.2	Passed

10. Overload Indication

Overload indication is tested on the least-sensitive level range with the sound level meter set to A-weighted, time-averaged sound level. Positive and negative one-half-cycle sinusoidal electrical signals at a frequency of 4 kHz are used. All levels in [dB].

Start level	OV +	OV -	Dev	Limit -	Limit +	Uncert.	Status
136.5	139.1	139.1	0.0	-1.5	1.5	0.3	Passed

Manufacturer Calibration Certificate

The sound level meter submitted for testing successfully completed the periodic tests of IEC 61672-3. All tests are traceable in accordance with ISO/IEC 17025.

No pattern approval is available for this sound level meter configuration.

Sound Level Meter

Manufacturer	NTi Audio		
Type	XL3	S/N	A3A-01230-F0
Firmware	V1.36		
Microphone Model	M2340		
Preamplifier	MA230	S/N	1797
Microphone Capsule	MC230A	S/N	A28287
Performance class			
Customer Inventory Nr.			

Customer

Date 25 July 2024

Certificate FL-24-114

Results **PASSED**
(for detailed report see next pages)

Operator

Markus Frick

NTi Audio AG • Im alten Riet 102, 9494 Schaan • Liechtenstein
info@nti-audio.com • www.nti-audio.com

Measurement equipment

Test System

Model	NTi Audio FX100, S/No. 11094
Last Calibration	02 July 2024
Cal Certificate	NTI Cal #3393
Next Calibration	02 July 2025

Reference Microphone

Model	MTG MV203 S/N #2435, Mic Capsule MK202 S/No. #7313
Last Calibration	18 November 2022
Cal Certificate	DAkkS-000875
Next Calibration	17 November 2024

Sound Calibrator

Model	Norsonic 1251 S/No. #30930
Reference Level	114 dB
Calibration Frequency	1000 Hz
Last Calibration	08 December 2022
Cal Certificate	METAS #259-19602
Next Calibration	07 December 2024

Environmental conditions

Temperature	23.6 °C
Humidity	53 %
Pressure	965 hPa

Notes

- This calibration certificate documents the traceability to national standards, which realize the units of measurement according to the international Systems of Units (SI).
- The user is obliged to have the object recalibrated at appropriate intervals.
- This calibration certificate may not be reproduced other than in full except with the permission of the issuing laboratory. Calibration certificates without signature are not valid.
- All limits listed in this report are acceptance limits in accordance with IEC61672.
- The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with the regulations of the GUM.

NTi AUDIO

1. Indication at the calibration check frequency

The indication of the sound level meter at the calibration check frequency is checked by application of the sound calibrator and adjusted, if necessary, to indicate the required sound level for the environmental conditions under which the tests are performed. All levels in [dB].

Sensitivity before calibration	Sensitivity after calibration	Meas level	Limit -	Limit +	Uncert.	Status
42.8 mV/Pa	42.9 mV/Pa	114	113	115	0.2	Passed

2. Self-generated noise

2.1 Microphone cartridge installed

The self-generated noise is measured in the most-sensitive level range as a time-averaged sound pressure level with frequency-weighting A and an averaging time of 30 seconds. All levels in [dB].

Weighting	Meas level	Limit +	Uncert.	Status
A	16.2	19.0	0.1	Passed

2.2 Microphone cartridge replaced by the capsule replacement NTI-K65-15

The self-generated noise is measured in the most-sensitive level range as a time-averaged sound pressure level for all frequency-weightings and an averaging time of 30 seconds. All levels in [dB] referenced to S = 42 mV/Pa.

Weighting	Meas level	Limit +	Uncert.	Status
A	10.7	13.0	0.1	Passed
C	12.7	16.0	0.1	Passed
Z	18.7	24.0	0.1	Passed

3. Acoustic signal tests of a frequency weighting

The frequency weighting is tested for frequency-weighting A, using an acoustic test facility. The sound level meter is set to a fast time-weighted sound level in the reference level range. All levels in [dB].

Freq. [Hz]	Gen. level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
125	70.0	69.6	-0.4	-1.0	1.0	0.4	Passed
250	77.1	76.9	-0.2	-1.0	1.0	0.4	Passed
500	82.7	82.9	0.2	-1.0	1.0	0.4	Passed
1000	86.0	86.2	0.2	-0.7	0.7	0.4	Passed
2000	87.2	87.5	0.3	-1.0	1.0	0.4	Passed
4000	87.0	87.2	0.2	-1.0	1.0	0.4	Passed
8000	84.8	85.0	0.2	-2.5	1.5	0.4	Passed

4. Electric signal tests of frequency weightings

Frequency weightings are determined relative to the response at 1 kHz using steady sinusoidal electrical input signals. The sound level meter is set to display F-time-weighted sound level in the reference level range. All available frequency weightings provided in the sound level meter are verified. All levels in [dB].

4.1 A-Weighting

Freq. [Hz]	Gen. level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
1000	80.0	80.0	0.0	-0.7	0.7	0.1	Passed
63	106.2	80.0	0.0	-1.0	1.0	0.1	Passed
125	96.1	79.9	-0.1	-1.0	1.0	0.1	Passed
250	88.6	79.9	-0.1	-1.0	1.0	0.1	Passed
500	83.2	79.9	-0.1	-1.0	1.0	0.1	Passed
2000	78.8	80.0	0.0	-1.0	1.0	0.1	Passed
4000	79.0	79.9	-0.1	-1.0	1.0	0.1	Passed
8000	81.1	79.6	-0.4	-2.5	1.5	0.1	Passed
12500	84.3	79.3	-0.7	-2.5	1.5	0.1	Passed
16000	86.6	78.6	-1.4	-2.5	1.5	0.1	Passed

4.2 C-Weighting

Freq. [Hz]	Gen. level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
1000	80.0	80.0	0.0	-0.7	0.7	0.1	Passed
63	80.8	80.0	0.0	-1.0	1.0	0.1	Passed
125	80.2	80.0	0.0	-1.0	1.0	0.1	Passed
250	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
500	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
2000	80.2	80.0	0.0	-1.0	1.0	0.1	Passed
4000	80.8	79.9	-0.1	-1.0	1.0	0.1	Passed
8000	83.0	79.6	-0.4	-2.5	1.5	0.1	Passed
12500	86.2	79.3	-0.7	-2.5	1.5	0.1	Passed
16000	88.5	78.6	-1.4	-2.5	1.5	0.1	Passed

4.3 Z-Weighting

Freq. [Hz]	Gen. level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
1000	80.0	80.0	0.0	-0.7	0.7	0.1	Passed
63	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
125	80.0	80.1	0.1	-1.0	1.0	0.1	Passed
250	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
500	80.0	80.1	0.1	-1.0	1.0	0.1	Passed
2000	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
4000	80.0	80.0	0.0	-1.0	1.0	0.1	Passed
8000	80.0	79.9	-0.1	-2.5	1.5	0.1	Passed
12500	80.0	79.9	-0.1	-2.5	1.5	0.1	Passed
16000	80.0	79.9	-0.1	-2.5	1.5	0.1	Passed

5. Frequency and time weightings at 1kHz

While injecting a constant steady signal at the reference frequency of 1 kHz the F-time-weighted sound level, S-time-weighted sound level and time-averaged sound level are verified with frequency weighting A. Additionally the F-time-weighted sound level for frequency weightings C and Z is measured. The first measurement serves as reference and differences in the reading with respect to this first one are determined. All levels in [dB].

Level	Exp level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
LAF	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LAS	114.0	113.8	-0.2	-0.7	0.7	0.1	Passed
LAeq	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LCF	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LCeq	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LZF	114.0	114.0	0.0	-0.7	0.7	0.1	Passed
LZeq	114.0	114.0	0.0	-0.7	0.7	0.1	Passed

6. Level linearity on the reference level range

The level linearity on the reference level range is determined by applying steady sinusoidal electrical signals at a frequency of 8 kHz with the sound level meter set for frequency-weighting A and fast time-weighting. All levels in [dB].

Exp abs level	Meas. level	Abs dev	Abs Limit -	Abs Limit +	Exp rel level	Rel dev	Rel Limit -	Rel Limit +	Uncert.	Status
114.0	114.0	0.0	-0.8	0.8	0.0	0.0	-0.3	0.3	0.1	Passed
119.0	119.0	0.0	-0.8	0.8	119.0	0.0	-0.3	0.3	0.1	Passed
124.0	124.0	0.0	-0.8	0.8	124.0	0.0	-0.3	0.3	0.1	Passed
129.0	129.0	0.0	-0.8	0.8	129.0	0.0	-0.3	0.3	0.1	Passed
134.0	134.0	0.0	-0.8	0.8	134.0	0.0	-0.3	0.3	0.1	Passed
135.0	135.0	0.0	-0.8	0.8	135.0	0.0	-0.3	0.3	0.1	Passed
136.0	136.0	0.0	-0.8	0.8	136.0	0.0	-0.3	0.3	0.1	Passed
114.0	114.0	0.0	-0.8	0.8	0.0	0.0	-0.3	0.3	0.1	Passed
109.0	109.0	0.0	-0.8	0.8	109.0	0.0	-0.3	0.3	0.1	Passed
104.0	104.0	0.0	-0.8	0.8	104.0	0.0	-0.3	0.3	0.1	Passed
99.0	99.0	0.0	-0.8	0.8	99.0	0.0	-0.3	0.3	0.1	Passed
94.0	94.0	0.0	-0.8	0.8	94.0	0.0	-0.3	0.3	0.1	Passed
89.0	89.0	0.0	-0.8	0.8	89.0	0.0	-0.3	0.3	0.1	Passed
84.0	84.0	0.0	-0.8	0.8	84.0	0.0	-0.3	0.3	0.1	Passed
79.0	79.0	0.0	-0.8	0.8	79.0	0.0	-0.3	0.3	0.1	Passed
74.0	74.0	0.0	-0.8	0.8	74.0	0.0	-0.3	0.3	0.1	Passed
69.0	69.0	0.0	-0.8	0.8	69.0	0.0	-0.3	0.3	0.1	Passed
64.0	64.0	0.0	-0.8	0.8	64.0	0.0	-0.3	0.3	0.1	Passed
59.0	59.0	0.0	-0.8	0.8	59.0	0.0	-0.3	0.3	0.1	Passed
54.0	54.0	0.0	-0.8	0.8	54.0	0.0	-0.3	0.3	0.1	Passed
49.0	49.0	0.0	-0.8	0.8	49.0	0.0	-0.3	0.3	0.1	Passed
44.0	44.0	0.0	-0.8	0.8	44.0	0.0	-0.3	0.3	0.1	Passed
39.0	39.0	0.0	-0.8	0.8	39.0	0.0	-0.3	0.3	0.1	Passed
34.0	34.0	0.0	-0.8	0.8	34.0	0.0	-0.3	0.3	0.1	Passed
29.0	29.1	0.1	-0.8	0.8	29.0	0.1	-0.3	0.3	0.1	Passed
28.0	28.0	0.0	-0.8	0.8	28.1	-0.1	-0.3	0.3	0.1	Passed
27.0	27.1	0.1	-0.8	0.8	27.0	0.1	-0.3	0.3	0.1	Passed
26.0	26.1	0.1	-0.8	0.8	26.1	0.0	-0.3	0.3	0.1	Passed
25.0	25.1	0.1	-0.8	0.8	25.1	0.0	-0.3	0.3	0.1	Passed

7. Level linearity including the level range control

This test is not applicable for a single-range sound level meter.

8. Toneburst response

The response of the sound level meter to short-duration signals is tested on the reference level range with 4 kHz tonebursts that start and stop at zero crossings and are extracted from steady 4 kHz sinusoidal electrical input signals. The sound level meter is set for frequency weighting A. All levels in [dB].

The continuous signal level is 123 dB.

Burst signal	Burst duration [ms]	Exp level	Meas level	Dev	Limit -	Limit +	Uncert.	Status
LAF	200	122.0	121.9	-0.1	-0.5	0.5	0.2	Passed
LAF	2	105.0	104.8	-0.2	-1.5	1.0	0.2	Passed
LAF	0.25	96.0	95.6	-0.4	-3.0	1.0	0.2	Passed
LAS	200	115.6	115.5	-0.1	-0.5	0.5	0.2	Passed
LAS	2	96.0	95.9	-0.1	-3.0	1.0	0.2	Passed
LAeq10s	200	106.0	105.8	-0.2	-0.5	0.5	0.2	Passed
LAeq10s	2	86.0	85.9	-0.1	-0.5	0.5	0.2	Passed
LAeq10s	0.25	77.0	76.8	-0.2	-0.5	0.5	0.2	Passed

9. C-weighted peak sound level

The sound level meter is tested on the least-sensitive level range with fast time weighting and C frequency weighting. The test signals are a single complete cycle of an 8 kHz sinusoid starting and stopping at zero crossings and positive and negative half cycles of a 500 Hz sinusoid that also start and stop at zero crossings. All levels in [dB].

Burst signal	Source level	Exp LCp-LCF	Meas LCp-LCF	Dev	Limit -	Limit +	Uncert.	Status
8kHz	114.0	3.4	3.2	-0.2	-2.0	2.0	0.2	Passed
500Hz +	132.0	2.4	2.2	-0.2	-1.0	1.0	0.2	Passed
500Hz -	132.0	2.4	2.2	-0.2	-1.0	1.0	0.2	Passed

10. Overload Indication

Overload indication is tested on the least-sensitive level range with the sound level meter set to A-weighted, time-averaged sound level. Positive and negative one-half-cycle sinusoidal electrical signals at a frequency of 4 kHz are used. All levels in [dB].

Start level	OV +	OV -	Dev	Limit -	Limit +	Uncert.	Status
136.8	139.4	139.5	0.1	-1.5	1.5	0.3	Passed

Appendix 3.2 Impact Noise Monitoring Data

Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Noise Monitoring Result

aurecon

Noise Level Results at CM1

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	9:12	9:42	Fine	52.0	52.6	60.3	54.3	50.7	58.7	56.3	59.3	58.7	50.1
13/01/2025	14:01	14:31	Fine	53.1	54.1	52.4	54.6	53.0	52.7	53.4	56.4	58.7	measured level ≤ baseline level
21/01/2025	9:04	9:34	Fine	55.3	50.1	51.3	52.0	52.8	54.6	53.1	56.1	58.7	measured level ≤ baseline level
28/01/2025	9:13	9:43	Cloudy	54.7	53.2	51.3	52.6	51.8	53.6	53.0	56.0	58.7	measured level ≤ baseline level
												Average Construction Noise Level	54.7

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
59.3	56.0

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	47	47	46	44.5	44.9	44.6
	50.5	50.6	51.4	50.4	50.8	52.6
	47.7	46.7	47.9	48.7	47.8	48.5
	50.6	49.7	48.6	49.7	50.6	50.2

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L10	54.6	51.6	61.7	57.2	52.2	52.1
	60.2	59.4	58.4	60.1	60.7	59.5
	56.4	52.2	53.5	55.2	55.2	56.1
	61.4	60.0	62.4	61.6	60.4	62.7

Noise Level Results at CM2

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	9:57	10:27	Fine	71.8	71.3	70.8	71.4	71.9	70.9	71.4	74.4	64.2	73.9
13/01/2025	14:38	15:08	Fine	71.6	70.4	70.4	71.5	71.6	70.3	71.0	74.0	64.2	73.5
21/01/2025	9:42	10:12	Fine	70.2	71.7	69.8	71.5	71.5	70.3	70.9	73.9	64.2	73.4
28/01/2025	9:46	10:16	Cloudy	71.7	71.6	72.3	72.0	71.8	71.6	71.8	74.8	64.2	74.4
												Average Construction Noise Level	73.8

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
74.8	73.9

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	60.8	60.1	56.6	59.5	59.9	59.1
	61.1	60.4	61.4	60.7	60.3	60.4
	59.6	60.2	60.0	60.6	59.2	61.2
	61.8	60.1	60.7	60.4	60.5	61.1

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L10	75.6	73.5	74.5	73.9	75.5	76.2
	74.1	72.6	73.4	72.1	72.6	71.8
	73.4	75.2	73.0	75.4	75.4	73.3
	75.9	74.2	74.6	74.6	74.8	73.4

Noise Level Results at CM3

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	10:45	11:15	Fine	66.0	65.8	67.1	66.1	66.3	65.3	66.1	69.1	71.5	measured level ≤ baseline level
13/01/2025	15:16	15:46	Fine	65.7	65.8	66.1	65.4	65.2	66.6	65.8	68.8	71.5	measured level ≤ baseline level
21/01/2025	10:16	10:46	Fine	64.8	67.2	65.2	66.5	64.1	64.5	65.5	68.5	71.5	measured level ≤ baseline level
28/01/2025	10:22	10:52	Cloudy	65.2	64.8	64.9	65.6	66.2	66.1	65.5	68.5	71.5	measured level ≤ baseline level
												Average Construction Noise Level	68.7

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
69.1	68.5

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	55.3	53.8	55.9	53.5	57.8	53.2
	53.1	54.6	54.9	56.1	55.6	53.8
	51.6	51.7	53.2	51.1	51.1	52.7
	54.8	53.4	53.6	53.8	54.2	54.8

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L10	70.0	69.1	70.7	69.5	70.0	69.4
	73.1	73.3	73.6	70.6	71.6	72.4
	68.8	71.1	69.2	70.5	68.0	68.1
	70.5	71.6	70.4	70.6	71.6	70.4

Noise Level Results at CM4a

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	11:37	12:07	Fine	66.3	64.4	69.9	61.7	61.5	66.5	66.0	69.0	75.0	measured level ≤ baseline level
13/01/2025	16:03	16:33	Fine	64.6	64.4	64.8	65.8	64.7	64.9	64.9	67.9	75.0	measured level ≤ baseline level
21/01/2025	10:58	11:28	Fine	64.2	63.5	62.8	63.4	63.1	63.7	63.5	66.5	75.0	measured level ≤ baseline level
28/01/2025	10:59	11:29	Cloudy	65.7	64.2	66.5	64.6	65.8	63.7	65.2	68.2	75.0	measured level ≤ baseline level
												Average Construction Noise Level	67.9

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
69.0	66.5

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	54	53.9	70.1	59.6	55.1	55
	52.6	51.6	51.7	52.3	53.8	52.4
	53.4	52.0	51.8	52.0	53.9	51.0
	53.4	54.1	54.8	54.3	53.4	54.6

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L10	67.8	67.3	82.4	73.5	65.0	64.8
	68.8	69.4	70.2	69.8	68.7	69.8
	67.8	67.5	66.6	67.5	66.5	67.6
	71.3	70.4	69.7	69.8	70.6	70.5

Noise Level Results at CM10

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	13:12	13:42	Fine	56.7	57.1	57.6	56.4	56.0	57.8	57.0	-	60.9	measured level ≤ baseline level
13/01/2025	14:34	15:04	Fine	57.0	57.0	57.1	56.7	57.8	57.0	57.1	-	60.9	measured level ≤ baseline level
21/01/2025	11:45	12:15	Fine	54.3	56.4	53.4	55.4	54.7	54.9	54.9	-	60.9	measured level ≤ baseline level
28/01/2025	9:32	10:02	Cloudy	54.7	54.9	57.5	61.2	56.5	60.6	58.3	-	60.9	measured level ≤ baseline level
												Average Construction Noise Level	56.8

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
58.3	54.9

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	54.8	53.7	54.6	54.2	53.6	53.4
	54.2	54.8	55.3	54.8	54.5	54.4
	52.6	53.1	52.4	56.3	54.2	55.6
	53.4	52.0	54.7	54.1	53.6	52.3

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L10	59.7	60.2	58.8	59.4	59.6	61.5
	58.8	58.4	58.4	58.4	58.1	58.8
	61.3	61.5	60.8	63.4	59.3	62.4
	55.7	57.0	61.0	57.0	64.7	61.6

Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Noise Monitoring Result

aurecon

Noise Level Results at CM13

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	14:03	14:33	Fine	50.6	50.1	50	51.3	50.7	50.7	50.6	-	54.4	measured level ≤ baseline level
13/01/2025	15:19	15:49	Fine	49.0	49.4	48.4	54.7	47.8	47.8	50.4	-	54.4	measured level ≤ baseline level
21/01/2025	13:33	14:03	Fine	50.7	51.0	50.6	50.4	50.8	50.9	50.7	-	54.4	measured level ≤ baseline level
28/01/2025	10:15	10:45	Cloudy	54.2	48.1	49.3	59.6	54.1	48.0	54.4	-	54.4	measured level ≤ baseline level
												Average Construction Noise Level	51.5

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
54.4	50.4

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)		Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	45.3	45.6	45.6	46.8	45.1	45.3	L10	54.3	53.2	53.4	55.6	53.2	54.3
	43.9	43.7	42.2	42.9	42.6	42.6		51.8	52.7	51.7	52.7	50.3	50.9
	46.1	44.3	44.2	43.5	46.7	45.1		54.6	55.3	54.6	54.3	54.4	55.7
	43.9	41.0	41.3	52.7	41.8	39.8		54.5	50.9	52.6	60.1	58.6	50.8

Noise Level Results at CM14

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	9:36	10:06	Fine	54.6	55.1	55.6	54.8	56.7	55.4	55.4	58.4	47.4	58.1
13/01/2025	15:59	16:29	Fine	55.0	53.3	55.5	54.2	54.2	55.4	54.7	57.7	47.4	57.2
21/01/2025	9:24	9:54	Fine	54.7	55.6	55.3	54.8	54.2	54.0	54.8	57.8	47.4	57.4
28/01/2025	10:58	11:28	Cloudy	69.2	52.4	52.4	52.2	54.3	54.0	61.9	64.9	47.4	64.8
												Average Construction Noise Level	59.4

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
64.9	57.7

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)		Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	46.6	46.3	45.8	45.7	46.1	45.6	L10	61.8	62.2	59.8	60.1	61.5	61.8
	46.6	47.0	45.4	46.6	46.0	46.4		59.0	57.2	59.0	58.2	57.8	58.6
	46.5	46.8	46.2	45.7	45.9	46.2		60.4	61.3	61.4	62.4	60.8	60.6
	42.7	41.3	40.6	41.0	41.2	42.7		73.4	57.0	56.6	55.5	58.4	57.9

Noise Level Results at CM15a

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	10:10	10:40	Fine	67.9	67.8	68.1	68.6	68.9	68.7	68.4	71.4	64.7	70.3
13/01/2025	16:33	17:03	Fine	67.5	70.6	66.8	68.6	67.5	67.5	68.3	71.3	64.7	70.2
21/01/2025	9:59	10:29	Fine	68.4	69.7	69.4	69.8	68.4	68.6	69.1	72.1	64.7	71.2
28/01/2025	11:29	11:59	Cloudy	69.3	68.8	69.7	65.0	66.7	68.5	68.3	71.3	64.7	70.2
												Average Construction Noise Level	70.5

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
72.1	71.3

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)		Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	60.3	61.2	60.8	60.7	61.5	61.0	L10	74.8	73.2	74.0	73.4	73.8	73.9
	45.4	45.1	46.1	45.4	44.8	44.9		70.7	72.7	71.4	72.0	72.0	72.0
	61.4	61.3	61.7	62.4	61.1	61.2		75.0	74.6	73.5	74.6	74.6	73.8
	46.6	44.4	47.3	44.2	47.3	47.2		73.9	73.4	74.0	70.7	71.9	73.0

Noise Level Results at CM16

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	10:45	11:15	Fine	58.0	58.6	60.5	58.5	60.4	60.4	59.5	-	71.9	measured level ≤ baseline level
13/01/2025	16:49	17:19	Fine	59.4	60.5	58.6	58.4	59.0	60.2	59.4	-	71.9	measured level ≤ baseline level
21/01/2025	17:06	17:36	Fine	62.2	63.3	65.7	64.1	63.6	66.3	64.4	-	71.9	measured level ≤ baseline level
28/01/2025	11:30	12:00	Cloudy	60.2	59.4	59.3	59.5	60.3	60.8	60.0	-	71.9	measured level ≤ baseline level
												Average Construction Noise Level	60.8

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
64.4	59.4

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)		Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	54.9	55.7	56.0	54.5	56.5	56.3	L10	60.5	60.7	62.9	61.0	63.2	62.8
	55.4	54.3	53.8	54.5	53.4	55.1		67.3	66.4	66.6	64.2	65.7	66.2
	57.0	57.6	58.8	59.1	57.9	58.2		63.0	66.1	68.7	69.0	66.9	66.6
	54.3	54.1	54.0	54.6	54.6	53.5		65.0	66.2	64.8	63.4	65.2	65.2

Noise Level Results at CM18

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	16:12	16:42	Fine	60.4	60.8	60.8	61.0	60.4	61.5	60.8	63.8	56.6	62.9
13/01/2025	17:45	18:15	Fine	65.0	63.0	64.5	64.1	63.8	65.7	64.4	67.4	56.6	67.1
21/01/2025	13:55	14:25	Fine	62.6	63.4	64	63.1	63.8	62.4	63.3	66.3	56.6	65.8
28/01/2025	13:38	14:08	Cloudy	63.9	62.6	67.1	64.3	64.3	66.2	65.0	68.0	56.6	67.7
												Average Construction Noise Level	65.9

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
68.0	63.8

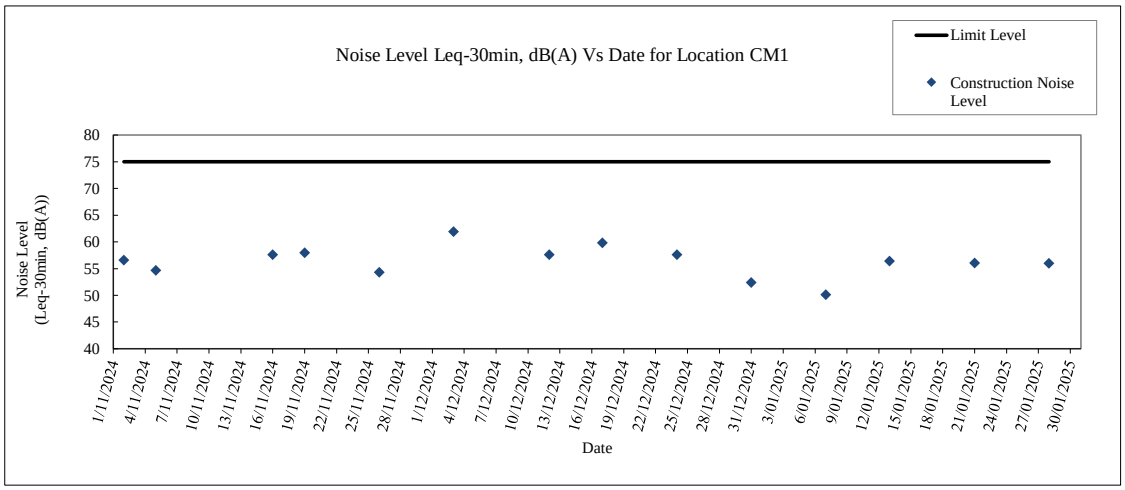
	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)		Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	58.4	55.6	56.4	56.6	57.4	57.7	L10	65.6	64.6	66.7	67.4	67.4	65.4
	44.8	45.0	46.6	45.6	45.5	44.0		65.6	61.3	66.3	64.3	65.8	65.5
	59.4	58.4	59.4	59.2	59.7	58.0		68.3	68.4	68.4	69.1	68.4	69.3
	41.2	40.8	41.7	39.7	41.9	42.6		63.8	63.8	64.0	62.3	65.1	65.7

Noise Level Results at CM20

Date	Time		Weather	Leq-5min, dB(A)						Leq-30min, dB(A)	Leq-30min with free-field correction, dB(A)	Baseline Level, dB(A)	Constrcution Noise Level, Leq-30min, dB(A)
				Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)				
07/01/2025	15:25	15:55	Fine	48.6	52.6	53.4	54.6	54.6	54.6	53.5	56.5	57.8	measured level ≤ baseline level
13/01/2025	18:30	19:00	Fine	50.0	53.4	51.9	55.9	51.5	52.0	52.9	55.9	57.8	measured level ≤ baseline level
21/01/2025	14:36	15:06	Fine	58.3	52.3	51.6	52.5	56.1	51.3	54.5	57.5	57.8	measured level ≤ baseline level
28/01/2025	14:35	15:05	Cloudy	64.7	53.6	56.0	49.3	55.2	53.2	58.5	61.5	57.8	59.0
												Average Construction Noise Level	57.2

Maximum Leq-30min, dB(A)	Minimum Leq-30min, dB(A)
61.5	55.9

	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)		Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)
L90	45.1	45.6	46.9	44.7	47.5	48.6	L10	55.4	58.6	57.8	58.2	58.9	57.6
	43.7	46.3	44.9	45.5	43.4	45.5		51.8	55.5	53.4	57.6	52.8	55.8
	48.6	45.6	46.5	48.5	47.6	47.3		62.7	57.6	59.4	59.1	63.6	57.1
	43.0	41.0	40.7	41.0	43.1	40.5		62.6	54.5	58.9	51.4	58.7	57.1


Noise Level Leq-30min, dB(A) Vs Date for Location CM1
Limit Level
Construction Noise Level
Noise Level (Leq-30min, dB(A))
80
75
70
65
60
55
50
45
40
1/11/2024
4/11/2024
7/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
1/12/2024
4/12/2024
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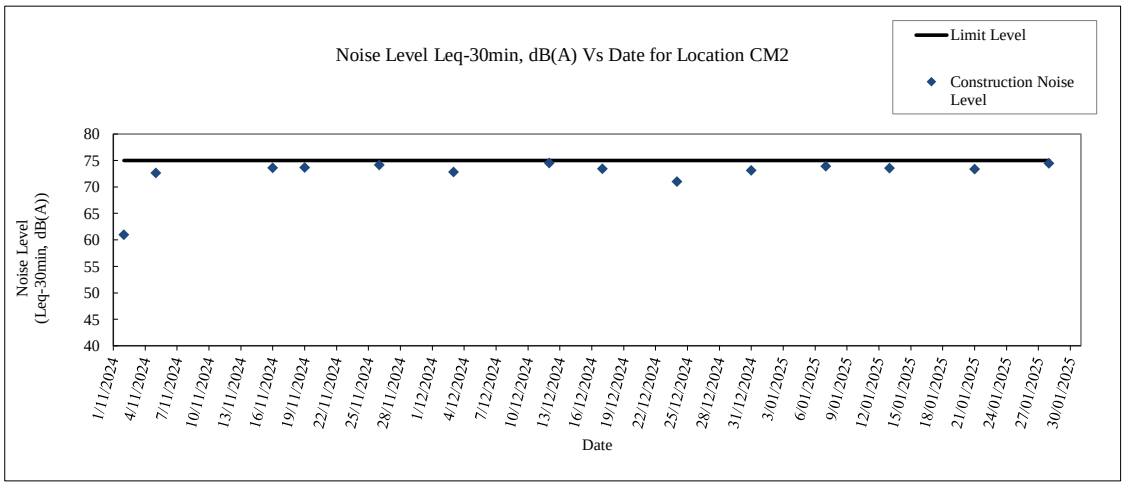
30/01/2025
Date


Noise Level Leq-30min, dB(A) Vs Date for Location CM2
Limit Level
Construction Noise Level
Noise Level (Leq-30min, dB(A))
80
75
70
65
60
55
50
45
40
1/11/2024
4/11/2024
7/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
1/12/2024
4/12/2024
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3/01/2025
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9/01/2025
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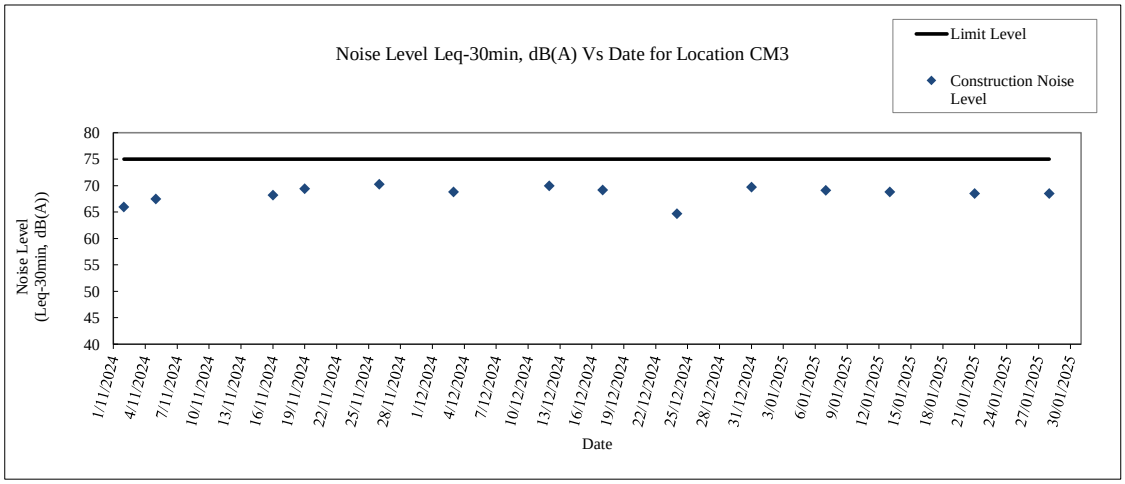
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date


Noise Level Leq-30min, dB(A) Vs Date for Location CM3
Limit Level
Construction Noise Level
Noise Level (Leq-30min, dB(A))
80
75
70
65
60
55
50
45
40
1/11/2024
4/11/2024
7/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
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4/12/2024
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16/12/2024
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9/01/2025
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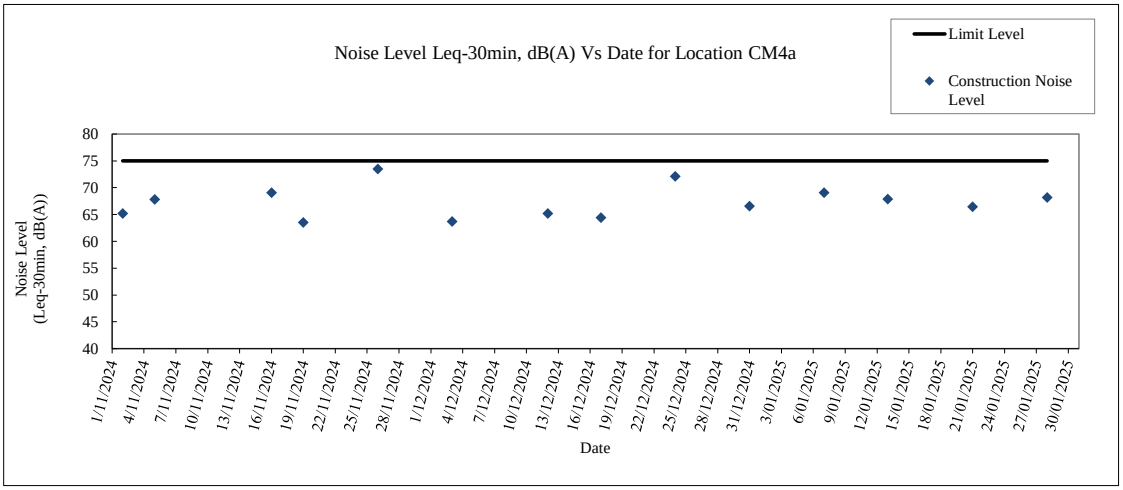
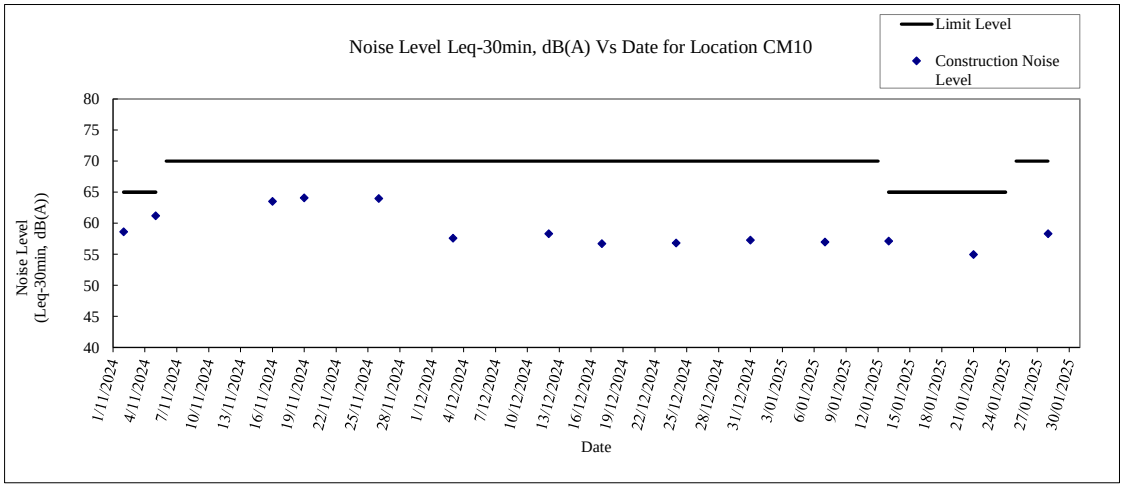
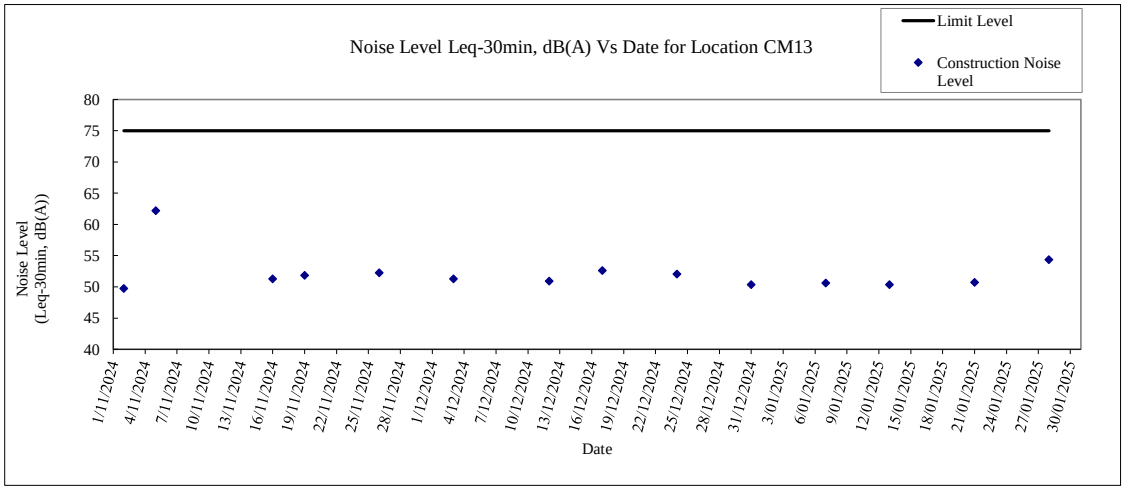
27/01/2025
30/01/2025
Date

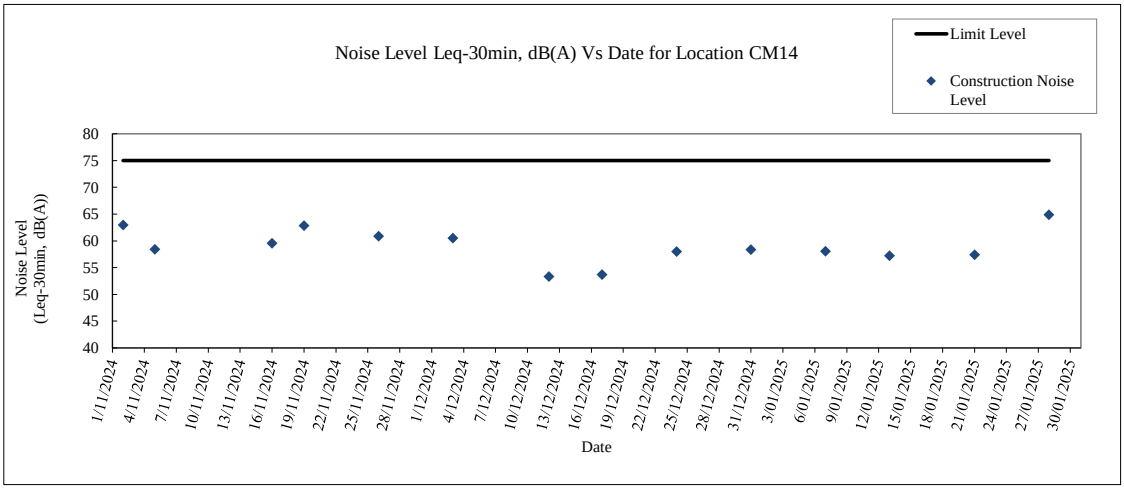


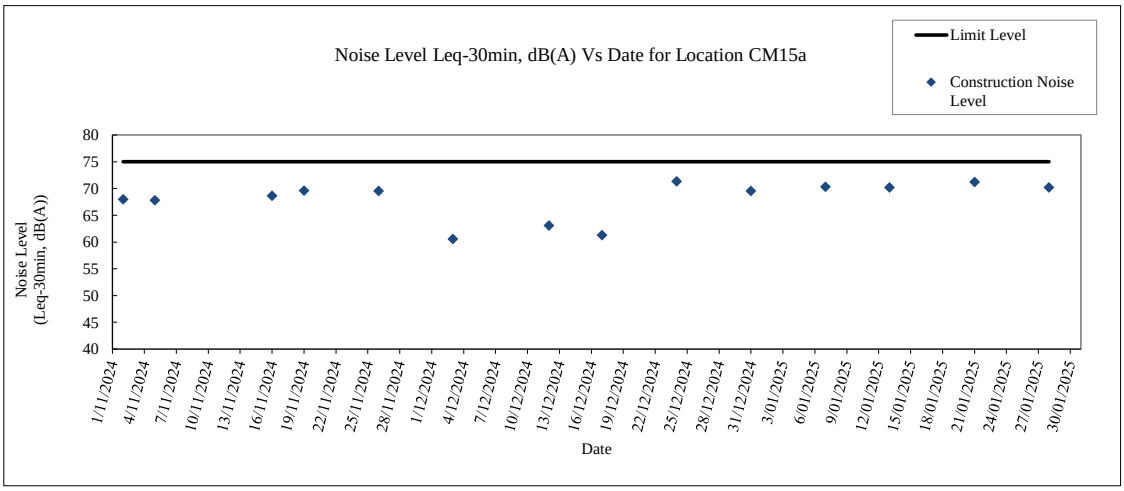


Note:

As four of the monitoring dates (2 November 2024, 5 Novemer 2024, 13 January 2025 and 21 January 2025) fell within the exam period of the school, the limit level of noise monitoring of these two monitoring dates was set to be 65 dB(A), while the limit level of noise monitoring of the other monitoirng dates were remained as 70 dB(A).




Noise Level Leq-30min, dB(A) Vs Date for Location CM14
Limit Level
Construction Noise Level
Noise Level (Leq-30min, dB(A))
80
75
70
65
60
55
50
45
40
1/11/2024
4/11/2024
7/11/2024
10/11/2024
13/11/2024
16/11/2024
19/11/2024
22/11/2024
25/11/2024
28/11/2024
1/12/2024
4/12/2024
7/12/2024
10/12/2024
13/12/2024
16/12/2024
19/12/2024
22/12/2024
25/12/2024
28/12/2024
31/12/2024
3/01/2025
6/01/2025
9/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date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Noise Level (Leq-30min, dB(A))
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70
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28/12/2024
31/12/2024
3/01/2025
6/01/2025
9/01/2025
12/01/2025
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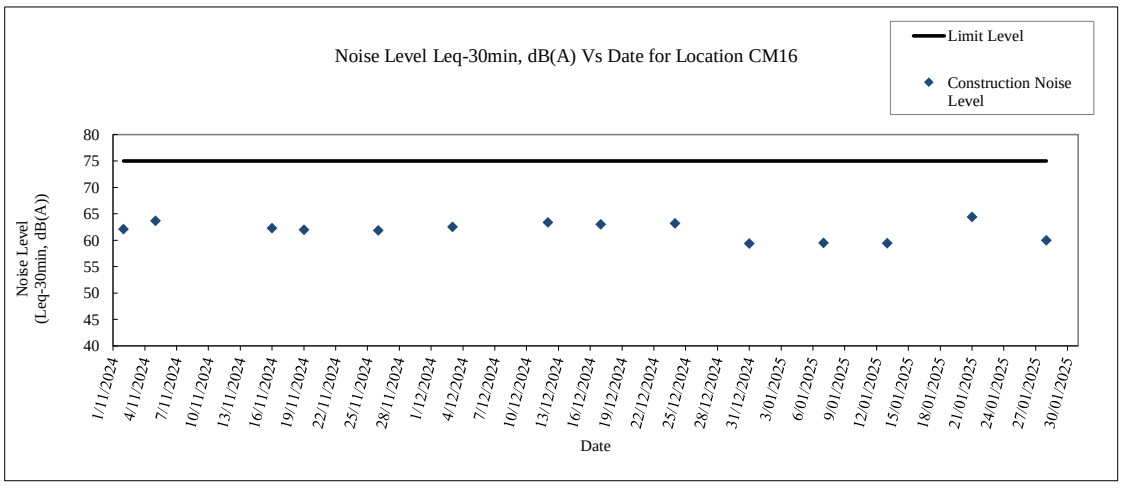
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date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Construction Noise Level
Noise Level (Leq-30min, dB(A))
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75
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22/11/2024
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1/12/2024
4/12/2024
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10/12/2024
13/12/2024
16/12/2024
19/12/2024
22/12/2024
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9/01/2025
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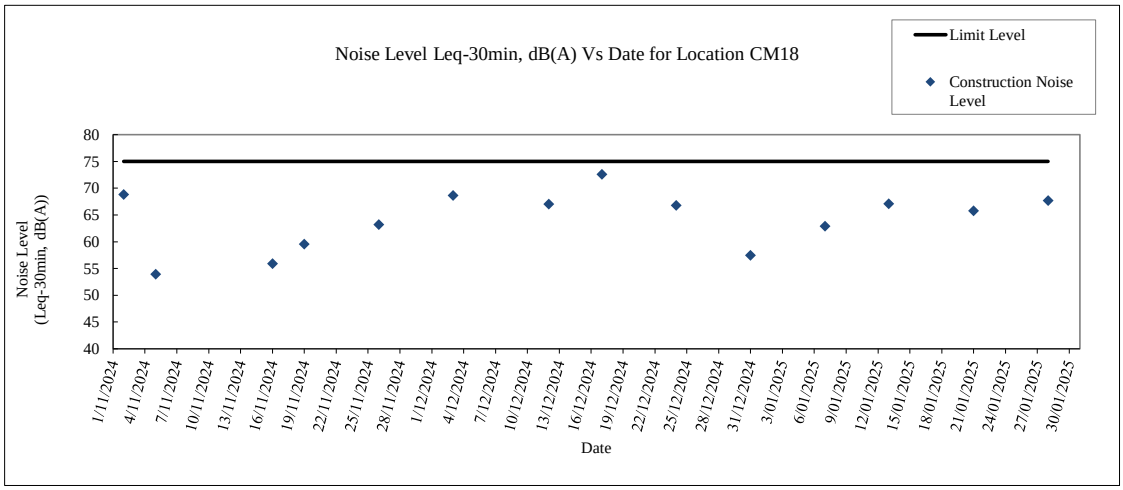
27/01/2025
30/01/2025
Date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Limit Level
Construction Noise Level
Noise Level (Leq-30min, dB(A))
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75
70
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4/11/2024
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25/11/2024
28/11/2024
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4/12/2024
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6/01/2025
9/01/2025
12/01/2025
15/01/2025
18/01/2025
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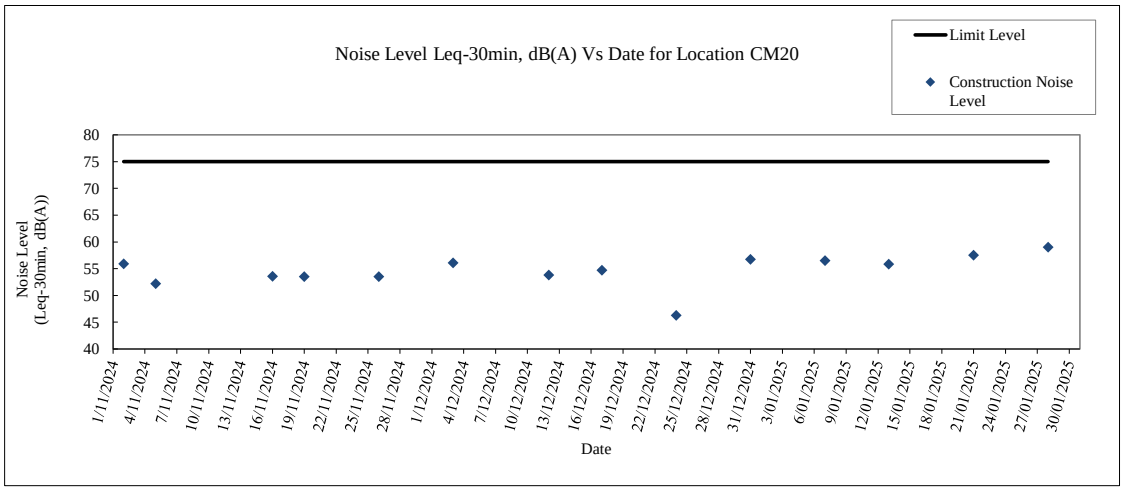
24/01/2025
27/01/2025
30/01/2025
Date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Limit Level
Construction Noise Level
Noise Level (Leq-30min, dB(A))
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75
70
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22/11/2024
25/11/2024
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4/12/2024
7/12/2024
10/12/2024
13/12/2024
16/12/2024
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25/12/2024
28/12/2024
31/12/2024
3/01/2025
6/01/2025
9/01/2025
12/01/2025
15/01/2025
18/01/2025
21/01/2025
24/01/2025
27/01/2025
30/01/2025
Date

Appendix 3.3 Event and Action Plan for Noise

Event and Action Plan for Noise

Action Level	1. Notify IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the Contractor and formulate remedial measures; and 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the analysed results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; and 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem; and 4. Ensure remedial measures are properly implemented.	1. Submit noise mitigation proposals to IEC ; and 2. Implement noise mitigation proposals.
Limit Level	1. Identify source; 2. Inform IEC, ER, EPD and Contractor; 3. Repeat measurements to confirm findings; 4. Increase monitoring frequency; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Inform IEC, ER and EPD the causes and actions taken for the exceedances; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem; 4. Ensure remedial measures properly implemented; and 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and ER within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit further proposal if problem still not under control; and 5. Stop the relevant portion of works as determined by ER, until the exceedance is abated.

Appendix 4.1 Calibration Certificates of Impact Water Quality Monitoring Equipment

專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED
Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
Email: info@qualityprotest.com; Website: www.qualityprotest.com
Tel: (852) 3956 8717; Fax: (852) 3956 3928

REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD100073
Date of Issue : 21 October 2024

PART A - CUSTOMER INFORMATION

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

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	15M101091
Date of Received :	16 October 2024
Date of Calibration :	21 October 2024
Date of Next Calibration :	20 January 2025
Request No. :	D-BD100073

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H^+ B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure
Salinity	APHA 21e 2520 B
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Turbidity	APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	4.01	0.01	Satisfactory
7.42	7.43	0.01	Satisfactory
10.01	10.14	0.13	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
16.0	16.1	0.1	Satisfactory
25.5	25.2	-0.3	Satisfactory
40.0	39.6	-0.4	Satisfactory

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

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.71	-2.9	Satisfactory
20	19.84	-0.8	Satisfactory
30	30.42	1.4	Satisfactory

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

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AUTHORIZED SIGNATORY:

LEE Chun-ning
Assistant Manager

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD100073
Date of Issue : 21 October 2024

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
7.41	7.77	0.36	Satisfactory
5.61	5.22	-0.39	Satisfactory
3.49	3.56	0.07	Satisfactory
0.56	0.29	-0.27	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a] (%)	Result
0	0.02	--	Satisfactory
10	10.11	1.1	Satisfactory
20	19.85	-0.7	Satisfactory
100	103.25	3.3	Satisfactory
800	822.19	2.8	Satisfactory

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

[a] For 0 NTU, Display Reading should be less than 1 NTU

Remark(s)

·The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards.

·The results relate only to the calibrated equipment as received

·The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

·"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.

·The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.

--- END OF REPORT ---

專業化驗有限公司
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD120079
Date of Issue : 23 December 2024

PART A - CUSTOMER INFORMATION

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

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	22C106561
Date of Received :	18 December 2024
Date of Calibration :	20 December 2024
Date of Next Calibration :	19 March 2025

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H^+ B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure
Salinity	APHA 21e 2520 B
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Turbidity	APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	4.03	0.03	Satisfactory
7.42	7.39	-0.03	Satisfactory
10.01	9.97	-0.04	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
18.5	17.8	-0.7	Satisfactory
21.0	20.8	-0.2	Satisfactory
36.0	36.0	0.0	Satisfactory

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

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	10.15	1.50	Satisfactory
20	20.91	4.55	Satisfactory
30	31.93	6.43	Satisfactory

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

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AUTHORIZED SIGNATORY:

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Laboratory Manager

專業化驗有限公司
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD120079
Date of Issue : 23 December 2024

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
9.10	9.08	-0.02	Satisfactory
6.87	6.51	-0.36	Satisfactory
4.61	4.11	-0.50	Satisfactory
0.74	0.38	-0.36	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a]	Result
0	0.39	--	Satisfactory
10	10.15	1.5	Satisfactory
20	19.75	-1.3	Satisfactory
100	97.55	-2.5	Satisfactory
800	753.00	-5.9	Satisfactory

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

[a] For 0 NTU, Display Reading should be less than 1 NTU

Remark(s): -

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

--- END OF REPORT ---

專業化驗有限公司
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BE010185
Date of Issue : 13 January 2025

PART A - CUSTOMER INFORMATION

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

PART B - SAMPLE INFORMATION

Name of Equipment :	YSI ProDSS (Multi-Parameters)
Manufacturer :	YSI
Serial Number :	22D100436
Date of Received :	07 January 2025
Date of Calibration :	09 January 2025
Date of Next Calibration :	08 April 2025
Request No. :	D-BE010185

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H^+ B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure
Salinity	APHA 21e 2520 B
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Turbidity	APHA 21e 2130 B (Nephelometric Method)

PART D - CALIBRATION RESULT

(1) pH value

Target (pH unit)	Display Reading (pH unit)	Tolerance	Result
4.00	4.13	0.13	Satisfactory
7.42	7.54	0.12	Satisfactory
10.01	10.10	0.09	Satisfactory

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

(2) Temperature

Reading of Ref. thermometer (°C)	Display Reading (°C)	Tolerance	Result
17.0	17.2	0.2	Satisfactory
21.5	21.4	-0.1	Satisfactory
32.0	31.8	-0.2	Satisfactory

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

(3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance (%)	Result
10	9.70	-3.00	Satisfactory
20	19.88	-0.60	Satisfactory
30	30.35	1.17	Satisfactory

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

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AUTHORIZED SIGNATORY:

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BE010185
Date of Issue : 13 January 2025

(4) Dissolved oxygen

Expected Reading (mg/L)	Display Reading (mg/L)	Tolerance	Result
8.55	8.48	-0.07	Satisfactory
5.48	5.08	-0.40	Satisfactory
3.01	2.89	-0.12	Satisfactory
0.70	0.21	-0.49	Satisfactory

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

(5) Turbidity

Expected Reading (NTU)	Display Reading (NTU)	Tolerance [a]	Result
0	0.19	--	Satisfactory
10	10.89	8.9	Satisfactory
20	19.48	-2.6	Satisfactory
100	94.42	-5.6	Satisfactory
800	728.89	-8.9	Satisfactory

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

[a] For 0 NTU, Display Reading should be less than 1 NTU

Remark(s)

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

--- END OF REPORT ---

Appendix 4.2 Impact Water Quality Monitoring Data

Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Water Quality Monitoring Result

Water Quality Monitoring Location : U2

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	08:30	Fine	Middle	0.12	20.4	20.4	7.1	7.1	8.2	8.2	91.3	91.2	7.7	7.7	3.8	3.3
					20.4		7.1		8.2		91.1		7.7		2.8	
04 January 2025	09:30	Fine	Middle	0.10	19.7	19.7	7.7	7.7	8.1	8.0	88.5	88.0	7.3	7.4	5.4	4.1
					19.7		7.7		8.0		87.5		7.4		2.8	
06 January 2025	09:00	Fine	Middle	0.10	18.6	18.6	7.5	7.5	9.1	9.1	97.2	97.0	4.1	4.1	5.9	5.2
					18.5		7.5		9.0		96.7		4.1		4.5	
08 January 2025	10:00	Fine	Middle	0.10	20.9	20.9	7.6	7.7	8.8	8.8	98.7	98.7	5.0	5.0	5.1	5.2
					20.9		7.7		8.8		98.6		5.0		5.3	
10 January 2025	10:02	Fine	Middle	0.10	17.6	17.6	7.5	7.5	8.9	8.9	93.6	93.6	9.0	8.9	6.6	5.5
					17.6		7.5		8.9		93.5		8.9		4.3	
13 January 2025	09:19	Fine	Middle	0.08	18.0	18.0	7.6	7.6	9.2	9.2	97.0	97.0	12.8	12.8	17.0	15.5
					18.0		7.6		9.2		96.9		12.8		14.0	
15 January 2025	09:37	Fine	Middle	0.10	15.6	15.6	7.5	7.5	9.4	9.4	93.9	93.9	8.4	8.4	11.0	9.6
					15.6		7.5		9.5		93.8		8.4		8.2	
17 January 2025	10:14	Fine	Middle	0.10	17.6	17.6	7.7	7.7	9.4	9.4	98.0	98.0	9.5	9.6	10.0	8.6
					17.6		7.7		9.4		98.0		9.6		7.2	
20 January 2025	09:40	Cloudy	Middle	0.10	19.0	19.0	7.6	7.6	8.2	8.2	88.9	88.9	8.9	8.9	8.6	7.5
					19.0		7.6		8.2		88.9		9.0		6.3	
22 January 2025	09:39	Cloudy	Middle	0.10	18.8	18.8	7.5	7.5	9.3	9.3	99.7	99.7	20.3	20.2	10.0	13.5
					18.8		7.5		9.3		99.7		20.2		17.0	
24 January 2025	09:37	Fine	Middle	0.10	19.9	19.9	7.1	7.1	8.4	8.4	92.1	92.1	4.1	4.1	10.0	13.5
					19.9		7.1		8.4		92.1		4.1		17.0	
27 January 2025	09:37	Cloudy	Middle	0.10	17.3	17.3	8.0	8.0	9.5	9.5	99.2	99.2	20.7	20.7	4.9	5.0
					17.3		8.0		9.5		99.2		20.7		5.0	

Water Quality Monitoring Location : U5a

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	13:02	Fine	Middle	0.02	19.2	19.2	9.4	9.4	9.2	9.2	99.8	99.8	29.4	29.4	153.0	120.0
					19.2		9.4		9.2		99.8		29.4		87.0	
04 January 2025	13:01	Fine	Middle	0.03	20.6	20.6	10.7	10.7	9.0	9.0	100.6	100.6	1.1	1.1	7.8	6.7
					20.6		10.7		9.0		100.6		1.1		5.6	
06 January 2025	13:54	Fine	Middle	0.03	20.0	20.0	10.9	10.9	9.1	9.1	97.2	97.3	9.7	9.6	21.0	17.5
					20.0		10.9		9.1		97.3		9.5		14.0	
08 January 2025	12:56	Fine	Middle	0.02	19.4	19.4	9.4	9.3	9.1	9.1	98.5	98.5	16.8	16.8	58.0	62.0
					19.4		9.3		9.1		98.5		16.9		66.0	
10 January 2025	13:02	Fine	Middle	0.03	18.4	18.4	11.4	11.4	9.2	9.2	97.9	97.9	3.6	3.7	85.0	67.5
					18.4		11.4		9.2		97.8		3.7		50.0	
13 January 2025	13:01	Fine	Middle	0.03	18.3	18.3	9.9	9.9	9.4	9.4	100.3	100.3	3.9	3.9	9.4	8.4
					18.3		9.9		9.4		100.3		4.0		7.3	
15 January 2025	13:00	Fine	Middle	0.03	15.7	15.7	11.0	11.0	9.8	9.8	99.1	99.1	4.0	4.0	13.0	11.4
					15.7		11.0		9.8		99.1		4.0		9.7	
17 January 2025	13:01	Fine	Middle	0.03	18.9	18.9	11.9	11.9	9.3	9.3	100.1	100.1	20.5	20.5	29.0	27.5
					18.9		11.9		9.3		100.1		20.5		26.0	
20 January 2025	13:36	Cloudy	Middle	0.02	17.4	17.4	11.4	11.4	9.4	9.4	98.4	98.4	13.5	13.5	27.0	33.0
					17.4		11.4		9.4		98.4		13.5		39.0	
22 January 2025	13:39	Cloudy	Middle	0.02	18.3	18.3	10.4	10.4	9.3	9.3	98.3	98.3	23.4	23.4	17.0	17.0
					18.3		10.4		9.3		98.3		23.3		17.0	
24 January 2025	13:10	Fine	Middle	0.03	19.7	19.7	11.8	11.8	8.8	8.8	96.9	96.9	28.8	28.8	86.0	82.0
					19.7		11.8		8.8		96.9		28.7		78.0	
27 January 2025	13:05	Cloudy	Middle	0.03	17.1	17.1	10.6	10.6	9.6	9.6	99.7	99.7	19.4	19.4	113.0	129.0
					17.1		10.7		9.6		99.6		19.4		145.0	

Water Quality Monitoring Location : U6a

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	16:06	Fine	Middle	0.05	20.4	20.4	7.7	7.7	9.0	9.0	99.5	99.3	4.2	4.2	1.0	1.0
					20.4		7.7		8.9		99.0		4.1		1.0	
04 January 2025	13:30	Fine	Middle	0.05	21.1	21.1	8.0	8.0	8.7	8.7	97.7	97.8	2.1	2.1	5.5	4.5
					21.1		8.0		8.7		97.9		2.1		3.4	
06 January 2025	14:02	Fine	Middle	0.04	20.0	20.0	8.0	8.0	8.7	8.7	95.9	96.0	5.2	5.2	16.0	12.4
					20.0		8.0		8.7		96.0		5.2		8.8	
08 January 2025	13:25	Fine	Middle	0.07	19.4	19.4	8.0	7.9	8.8	8.8	95.9	95.8	3.6	3.6	4.5	3.6
					19.4		7.9		8.8		95.6		3.5		2.6	
10 January 2025	13:30	Fine	Middle	0.05	18.7	18.7	8.3	8.3	9.2	9.2	98.5	98.5	1.7	1.6	1.1	1.1
					18.7		8.3		9.2		98.5		1.6		1.0	
13 January 2025	13:30	Fine	Middle	0.05	18.5	18.5	7.6	7.5	9.3	9.3	98.3	98.6	3.5	3.5	1.8	1.7
					18.5		7.5		9.3		98.8		3.4		1.6	
15 January 2025	13:31	Fine	Middle	0.05	17.2	17.2	7.6	7.6	9.7	9.7	100.4	100.4	4.5	4.5	5.0	4.5
					17.2		7.6		9.7		100.4		4.5		4.0	
17 January 2025	13:31	Fine	Middle	0.05	18.9	18.9	8.9	8.4	8.9	8.9	95.7	95.7	1.2	1.2	8.1	6.6
					18.9		8.0		8.9		95.7		1.2		5.0	
20 January 2025	15:56	Cloudy	Middle	0.05	22.4	22.4	7.6	7.6	11.1	11.1	127.6	127.7	5.0	5.0	6.3	7.3
					22.4		7.7		11.1		127.8		5.0		8.3	
22 January 2025	11:22	Cloudy	Middle	0.05	19.3	19.3	8.2	8.2	9.2	9.2	99.7	99.6	10.2	10.2	13.0	12.0
					19.3		8.2		9.2		99.5		10.2		11.0	
24 January 2025	13:38	Fine	Middle	0.05	19.6	19.6	7.8	7.8	7.5	7.5	82.0	82.0	5.5	5.5	11.0	13.0
					19.6		7.9		7.5		82.0		5.5		15.0	
27 January 2025	13:38	Cloudy	Middle	0.05	17.4	17.4	7.7	7.7	9.4	9.4	98.0	98.0	5.6	5.6	5.8	5.3
					17.4		7.7		9.4		97.9		5.5		4.8	

Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Water Quality Monitoring Result

Water Quality Monitoring Location : TS1

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	13:30	Fine	Middle	0.03	20.2	20.2	9.4	9.4	9.1	9.1	100.7	100.7	8.5	8.5	6.3	4.8
					20.2		9.4		9.1		100.7		8.5		3.3	
04 January 2025	14:00	Fine	Middle	0.02	20.7	20.7	7.8	7.8	8.7	8.7	96.8	96.8	7.2	7.3	5.2	4.5
					20.7		7.8		8.7		96.7		7.3		3.8	
06 January 2025	14:30	Fine	Middle	0.02	20.1	20.1	8.0	8.0	8.9	8.9	98.4	98.4	2.3	2.3	7.6	6.4
					20.1		8.0		8.9		98.3		2.2		5.1	
08 January 2025	14:00	Fine	Middle	0.02	19.4	19.4	8.5	8.5	8.7	8.7	94.8	94.8	7.0	6.9	19.0	24.0
					19.4		8.5		8.7		94.8		6.9		29.0	
10 January 2025	14:01	Fine	Middle	0.02	18.9	18.9	8.3	8.3	7.9	7.9	84.9	84.9	21.8	21.8	114.0	96.0
					18.9		8.3		7.9		84.8		21.8		78.0	
13 January 2025	14:00	Fine	Middle	0.02	18.2	18.2	7.9	7.9	9.1	9.1	96.1	96.2	19.5	19.5	188.0	171.5
					18.2		7.9		9.1		96.2		19.5		155.0	
15 January 2025	14:00	Fine	Middle	0.02	15.8	15.8	7.6	7.6	9.7	9.7	97.9	98.0	11.2	11.2	106.0	93.5
					15.8		7.6		9.7		98.0		11.2		81.0	
17 January 2025	14:09	Fine	Middle	0.02	19.1	19.1	8.8	8.8	9.0	9.0	97.4	97.4	6.6	6.7	63.0	76.0
					19.1		8.9		9.0		97.4		6.7		89.0	
20 January 2025	13:50	Cloudy	Middle	0.07	19.2	19.2	9.8	9.8	9.2	9.2	99.8	99.8	11.0	11.0	123.0	128.5
					19.2		9.8		9.2		99.8		11.0		134.0	
22 January 2025	14:02	Cloudy	Middle	0.02	19.4	19.4	9.2	9.2	8.7	8.7	94.8	94.8	39.4	39.4	7.0	8.0
					19.4		9.2		8.7		94.8		39.5		9.0	
24 January 2025	14:21	Fine	Middle	0.02	19.9	19.9	8.3	8.3	8.6	8.5	94.0	93.9	3.3	3.3	49.0	66.5
					19.9		8.3		8.5		93.8		3.3		84.0	
27 January 2025	14:09	Cloudy	Middle	0.03	17.6	17.7	11.3	11.3	9.5	9.5	99.3	99.4	6.5	6.5	18.0	14.5
					17.7		11.3		9.5		99.4		6.4		11.0	

Water Quality Monitoring Location : TS2a

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	16:20	Fine	Middle	0.05	20.5	20.5	7.6	7.6	8.8	8.8	97.6	97.6	2.8	2.8	1.6	1.4
					20.5		7.7		8.8		97.5		2.9		1.2	
04 January 2025	14:30	Fine	Middle	0.06	21.0	21.0	7.7	7.7	8.5	8.5	95.7	95.6	5.6	5.6	3.4	3.4
					21.0		7.7		8.5		95.4		5.5		3.3	
06 January 2025	15:00	Fine	Middle	0.05	20.1	20.1	7.7	7.7	8.3	8.2	90.9	90.5	5.7	5.6	12.0	12.0
					20.1		7.7		8.2		90.0		5.6		12.0	
08 January 2025	15:00	Fine	Middle	0.05	19.5	19.5	7.5	7.5	5.1	5.1	55.4	55.9	11.3	11.3	4.5	5.0
					19.5		7.6		5.2		56.3		11.4		5.4	
10 January 2025	14:30	Fine	Middle	0.05	18.8	18.8	7.9	7.9	9.1	9.1	97.6	97.6	22.1	22.1	2.7	2.4
					18.8		7.9		9.1		97.6		22.0		2.0	
13 January 2025	14:30	Fine	Middle	0.05	18.6	18.6	7.5	7.5	8.9	8.9	95.2	95.1	17.6	17.6	2.2	2.1
					18.6		7.5		8.9		95.0		17.6		2.0	
15 January 2025	14:30	Fine	Middle	0.05	15.9	15.9	7.6	7.6	9.7	9.7	98.0	98.0	10.7	10.7	20.0	16.0
					15.9		7.6		9.7		98.0		10.8		12.0	
17 January 2025	14:40	Fine	Middle	0.05	19.2	19.2	7.9	7.8	8.9	8.9	95.9	95.8	14.6	14.6	10.0	8.9
					19.2		7.8		8.8		95.7		14.7		7.7	
20 January 2025	16:23	Cloudy	Middle	0.05	22.3	22.3	7.5	7.5	6.8	6.8	78.3	78.3	12.6	12.6	3.6	3.3
					22.3		7.5		6.8		78.2		12.6		3.0	
22 January 2025	14:35	Cloudy	Middle	0.05	19.6	19.6	7.8	7.8	7.6	7.5	82.8	82.3	14.0	16.8	4.6	4.7
					19.6		7.8		7.5		81.8		19.6		4.8	
24 January 2025	14:57	Fine	Middle	0.05	19.5	19.5	7.3	7.2	6.4	6.4	62.3	62.3	7.6	7.6	5.0	4.2
					19.5		7.2		6.4		62.3		7.6		3.3	
27 January 2025	14:39	Cloudy	Middle	0.05	17.5	17.5	7.6	7.6	8.4	8.3	87.4	87.3	6.3	6.3	5.6	4.5
					17.5		7.6		8.3		87.1		6.3		3.3	

Water Quality Monitoring Location : TSR1a

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	16:50	Fine	Middle	0.05	20.6	20.6	7.4	7.4	8.6	8.6	97.3	97.3	11.6	11.6	20.0	16.5
					20.6		7.4		8.6		97.3		11.5		13.0	
04 January 2025	15:00	Fine	Middle	0.08	21.3	21.3	7.3	7.3	7.2	7.2	82.5	82.3	23.9	23.9	14.7	12.5
					21.3		7.3		7.2		82.1		23.8		10.3	
06 January 2025	15:30	Fine	Middle	0.05	20.1	20.1	7.6	7.7	8.3	8.3	91.9	92.0	7.6	7.7	36.0	33.5
					20.1		7.7		8.3		92.1		7.7		31.0	
08 January 2025	14:29	Fine	Middle	0.50	19.5	19.5	7.4	7.3	7.3	7.3	80.6	80.2	35.1	35.0	8.9	8.5
					19.5		7.3		7.2		79.7		35.0		8.1	
10 January 2025	15:00	Fine	Middle	0.50	18.6	18.6	7.5	7.5	8.4	8.5	90.8	91.2	4.9	4.9	1.7	1.6
					18.6		7.5		8.5		91.5		4.9		1.4	
13 January 2025	15:00	Fine	Middle	0.50	19.1	19.1	7.3	7.3	8.1	8.1	88.6	88.8	5.8	5.8	4.0	4.0
					19.1		7.3		8.2		88.9		5.7		3.9	
15 January 2025	15:00	Fine	Middle	0.50	15.8	15.8	7.1	7.1	9.3	9.3	95.0	94.9	6.3	6.2	20.0	17.5
					15.8		7.1		9.2		94.8		6.2		15.0	
17 January 2025	15:15	Fine	Middle	0.08	19.5	19.5	7.5	7.5	8.6	8.5	94.7	94.6	10.0	10.1	11.0	11.0
					19.5		7.5		8.5		94.4		10.1		11.0	
20 January 2025	12:30	Cloudy	Middle	0.60	20.1	20.1	7.4	7.4	8.1	8.1	94.0	94.0	18.1	18.2	4.7	4.7
					20.1		7.4		8.1		94.0		18.2		4.6	
22 January 2025	15:00	Cloudy	Middle	0.05	19.3	19.3	7.6	7.6	8.2	8.2	88.8	88.8	17.2	17.2	6.7	8.0
					19.3		7.6		8.2		88.7		17.2		9.2	
24 January 2025	15:36	Fine	Middle	0.50	19.6	19.6	6.9	6.9	5.5	5.5	57.8	57.8	5.2	5.2	6.8	7.7
					19.6		6.9		5.5		57.8		5.2		8.6	
27 January 2025	14:41	Cloudy	Middle	0.50	17.2	17.2	7.6	7.6	8.9	8.9	93.8	94.0	10.4	10.4	4.7	3.7
					17.2		7.6		9.0		94.1		10.4		2.7	

Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Water Quality Monitoring Result

Water Quality Monitoring Location : HT

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	12:46	Fine	Middle	0.05	20.5	20.5	7.3	7.3	5.3	5.3	58.9	58.6	2.5	2.5	2.2	2.4
					20.5		7.3		5.2		58.2		2.5		2.6	
04 January 2025	11:10	Fine	Middle	0.05	19.7	19.7	7.7	7.7	8.0	8.0	87.4	87.1	3.8	3.8	2.7	2.4
					19.7		7.7		7.9		86.8		3.8		2.0	
06 January 2025	10:39	Fine	Middle	0.03	18.3	18.3	7.3	7.3	7.3	7.3	77.4	77.2	3.0	3.0	2.0	1.5
					18.3		7.3		7.2		77.0		3.0		1.0	
08 January 2025	12:46	Fine	Middle	0.03	19.8	19.8	7.1	7.1	8.8	8.8	96.7	96.7	8.9	8.9	2.6	2.4
					19.8		7.1		8.8		96.7		8.9		2.1	
10 January 2025	12:01	Fine	Middle	0.02	17.5	17.5	7.7	7.7	6.8	6.8	71.7	71.5	6.6	6.7	5.9	4.8
					17.5		7.7		6.8		71.3		6.8		3.6	
13 January 2025	12:01	Fine	Middle	0.02	17.5	17.5	7.7	7.7	6.8	6.8	71.7	71.5	6.6	6.6	5.2	4.6
					17.5		7.7		6.8		71.3		6.6		4.0	
15 January 2025	11:12	Fine	Middle	0.05	15.7	15.7	7.4	7.4	9.7	9.7	97.8	97.9	12.9	12.9	1.8	1.8
					15.7		7.4		9.7		98.0		12.9		1.8	
17 January 2025	12:00	Fine	Middle	0.03	17.8	17.8	7.8	7.8	8.6	8.6	90.4	90.5	6.1	6.1	7.1	6.9
					17.8		7.8		8.6		90.6		6.1		6.7	
20 January 2025	11:56	Cloudy	Middle	0.03	19.0	19.0	7.8	7.8	8.3	8.3	89.7	89.9	10.3	10.3	7.0	6.0
					19.0		7.8		8.4		90.1		10.3		5.0	
22 January 2025	11:20	Cloudy	Middle	0.03	19.2	19.3	7.6	7.9	9.2	9.2	99.7	99.7	11.1	10.6	5.1	4.9
					19.3		8.2		9.2		99.7		10.2		4.7	
24 January 2025	11:20	Fine	Middle	0.03	21.1	21.1	7.3	7.3	8.7	8.7	97.7	97.7	3.0	3.0	5.1	4.9
					21.1		7.3		8.7		97.7		3.0		4.7	
27 January 2025	11:33	Cloudy	Middle	0.03	14.4	14.4	7.6	7.6	6.2	6.3	60.6	61.5	1.3	1.3	1.8	2.7
					14.4		7.6		6.4		62.3		1.3		3.6	

Water Quality Monitoring Location : LUTa

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	17:21	Fine	Middle	0.08	20.7	20.7	7.2	7.2	4.1	4.0	54.0	54.1	9.0	9.0	5.6	4.5
					20.7		7.2		4.0		54.1		8.9		3.4	
04 January 2025	15:31	Fine	Middle	0.55	20.6	20.6	7.2	7.2	2.9	2.9	32.5	32.2	17.2	17.2	4.3	4.8
					20.6		7.2		2.9		31.9		17.3		5.3	
06 January 2025	16:30	Fine	Middle	0.60	20.1	20.1	7.4	7.4	7.5	7.5	83.1	83.1	6.5	6.5	6.4	7.6
					20.0		7.4		7.5		83.1		6.4		8.7	
08 January 2025	15:30	Fine	Middle	0.50	19.3	19.3	7.3	7.3	6.4	6.3	69.6	69.5	7.2	7.3	6.3	6.5
					19.3		7.3		6.3		69.4		7.3		6.6	
10 January 2025	15:31	Fine	Middle	0.55	18.3	18.3	7.1	7.1	3.8	3.8	40.7	41.0	8.6	8.7	4.6	4.8
					18.3		7.1		3.8		41.2		8.7		4.9	
13 January 2025	15:30	Fine	Middle	0.65	18.5	18.5	8.6	8.6	9.6	9.7	106.0	106.4	14.4	14.5	8.3	8.1
					18.5		8.7		9.7		106.8		14.6		7.8	
15 January 2025	16:00	Fine	Middle	0.05	19.2	19.3	7.7	7.7	9.2	9.1	99.1	98.7	4.4	4.4	5.7	4.9
					19.3		7.7		9.1		98.3		4.5		4.1	
17 January 2025	15:40	Fine	Middle	0.05	19.3	19.3	7.5	7.5	6.4	6.4	69.8	69.4	12.0	12.0	2.0	1.7
					19.3		7.5		6.4		69.0		12.0		1.3	
20 January 2025	17:31	Cloudy	Middle	0.30	20.2	20.2	7.8	7.8	8.5	8.5	94.7	94.7	21.0	20.9	7.1	7.4
					20.2		7.8		8.5		94.6		20.9		7.7	
22 January 2025	15:30	Cloudy	Middle	0.03	19.5	19.5	7.8	7.8	8.7	8.7	95.0	95.0	18.6	18.6	8.3	7.1
					19.5		7.8		8.7		95.0		18.6		5.8	
24 January 2025	16:13	Fine	Middle	0.50	19.6	19.6	7.2	7.2	7.8	7.8	86.0	86.0	9.7	9.7	7.0	6.4
					19.6		7.2		7.8		85.9		9.8		5.8	
27 January 2025	15:20	Cloudy	Middle	0.55	17.0	17.0	7.7	7.7	9.1	9.1	95.5	95.5	12.2	12.1	8.4	8.5
					17.0		7.7		9.1		95.5		12.1		8.5	

Water Quality Monitoring Location : D2a

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	17:46	Fine	Middle	0.65	20.7	20.7	7.2	7.2	7.0	7.0	79.4	79.5	5.3	5.3	5.3	5.1
					20.7		7.2		7.1		79.5		5.4		4.9	
04 January 2025	16:01	Fine	Middle	0.50	21.3	21.3	7.7	7.7	6.0	6.0	69.1	69.0	10.4	10.3	9.2	8.7
					21.3		7.7		6.0		68.9		10.3		8.1	
06 January 2025	16:02	Fine	Middle	0.70	20.0	20.0	7.6	7.6	7.7	7.7	85.8	86.1	10.1	10.1	5.2	5.0
					20.0		7.6		7.8		86.3		10.1		4.7	
08 January 2025	16:00	Fine	Middle	0.80	19.4	19.4	7.5	7.5	6.6	6.6	75.1	75.2	11.3	11.3	9.5	10.3
					19.4		7.5		6.6		75.3		11.3		11.0	
10 January 2025	16:09	Fine	Middle	0.65	18.3	18.3	7.7	7.7	7.8	7.8	82.8	82.7	6.6	6.6	8.1	9.0
					18.3		7.7		7.8		82.6		6.6		9.0	
13 January 2025	16:00	Fine	Middle	0.75	18.4	18.4	7.9	7.5	8.5	8.5	91.1	91.5	7.2	7.1	3.3	4.1
					18.4		7.1		8.5		91.8		7.1		4.8	
15 January 2025	15:30	Fine	Middle	0.12	17.0	17.0	7.0	7.0	8.9	8.9	91.6	91.6	10.6	10.6	2.7	3.6
					17.0		7.0		8.9		91.6		10.6		4.5	
17 January 2025	16:40	Fine	Middle	0.55	19.5	19.5	7.3	7.3	7.8	7.8	85.7	86.0	10.1	10.1	10.0	8.8
					19.5		7.3		7.8		86.2		10.0		7.5	
20 January 2025	17:03	Cloudy	Middle	0.08	24.8	24.8	7.9	7.9	9.8	9.8	119.5	119.5	5.3	5.3	4.7	4.7
					24.8		7.9		9.8		119.5		5.3		4.6	
22 January 2025	17:01	Cloudy	Middle	0.50	20.4	20.4	6.9	6.9	8.6	8.6	95.0	95.0	11.5	11.5	8.1	8.1
					20.4		6.9		8.6		94.9		11.5		8.0	
24 January 2025	16:46	Fine	Middle	0.50	19.5	19.5	6.9	6.9	7.8	7.8	86.7	86.6	6.3	6.3	11.0	10.5
					19.5		6.9		7.8		86.5		6.3		10.0	
27 January 2025	15:58	Cloudy	Middle	0.50	17.0	17.0	7.7	7.7	9.4	9.4	98.8	98.8	10.0	10.0	11.0	9.9
					17.0		7.7		9.4		98.8		10.0		8.7	

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Water Quality Monitoring Result

Water Quality Monitoring Location : D3

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	14:00	Fine	Middle	0.02	20.0	20.0	7.5	7.5	8.9	8.9	98.1	98.1	4.0	3.9	4.1	3.7
					20.0		7.5		8.9		98.1		3.9		3.3	
04 January 2025	16:31	Fine	Middle	0.03	20.4	20.4	7.6	7.6	8.3	8.4	92.6	92.7	5.8	5.8	6.8	6.0
					20.4		7.6		8.4		92.8		5.7		5.1	
06 January 2025	16:34	Fine	Middle	0.03	20.1	20.1	7.4	7.4	7.6	7.6	83.7	83.8	5.3	5.2	7.4	6.1
					20.1		7.4		7.6		83.9		5.2		4.7	
08 January 2025	16:30	Fine	Middle	0.02	19.1	19.1	7.6	7.5	7.5	7.4	80.6	80.4	3.1	3.1	6.1	5.2
					19.1		7.5		7.4		80.2		3.1		4.3	
10 January 2025	16:35	Fine	Middle	0.03	18.4	18.4	7.4	7.4	7.7	7.7	81.5	81.5	4.1	4.1	3.7	3.1
					18.4		7.4		7.7		81.5		4.1		2.4	
13 January 2025	16:30	Fine	Middle	0.07	18.7	18.7	7.4	7.6	7.9	7.9	84.2	84.2	1.9	2.0	3.9	3.0
					18.7		7.9		7.9		84.1		2.0		2.1	
15 January 2025	16:30	Fine	Middle	0.02	16.0	16.0	7.2	7.2	8.9	8.9	90.3	90.4	1.5	1.5	1.3	1.2
					16.0		7.2		8.9		90.4		1.5		<1.0	
17 January 2025	16:10	Fine	Middle	0.05	19.3	19.3	7.3	7.3	7.6	7.6	82.3	82.4	1.1	1.1	2.3	2.1
					19.3		7.3		7.6		82.5		1.1		1.8	
20 January 2025	13:02	Cloudy	Middle	0.03	18.1	18.1	7.4	7.4	7.1	7.1	74.8	74.7	1.4	1.4	2.1	2.1
					18.1		7.4		7.1		74.5		1.4		2.0	
22 January 2025	13:04	Cloudy	Middle	0.03	18.8	18.8	7.5	7.5	5.7	5.7	61.2	60.9	3.2	3.1	2.6	2.4
					18.8		7.5		5.6		60.5		3.1		2.2	
24 January 2025	17:11	Fine	Middle	0.06	19.7	19.7	7.2	7.2	7.4	7.4	80.8	80.7	0.6	0.6	5.9	6.4
					19.7		7.2		7.4		80.5		0.6		6.8	
27 January 2025	16:39	Cloudy	Middle	0.03	18.3	18.3	7.8	7.8	9.3	9.3	98.5	98.3	4.6	4.6	1.8	1.8
					18.3		7.8		9.2		98.1		4.6		1.7	

Water Quality Monitoring Location : D5a

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	14:43	Fine	Middle	0.65	21.1	21.1	7.9	7.9	6.3	6.3	70.5	70.5	19.1	19.1	7.1	5.4
					21.1		7.9		6.3		70.5		19.0		3.7	
04 January 2025	17:00	Fine	Middle	0.50	20.3	20.3	7.4	7.4	7.8	7.8	86.1	86.0	14.9	14.9	9.6	12.4
					20.3		7.4		7.8		85.9		14.9		15.2	
06 January 2025	13:08	Fine	Middle	0.70	21.2	21.2	7.8	7.8	6.5	6.5	73.2	73.2	18.3	18.3	10.0	8.6
					21.2		7.8		6.5		73.1		18.3		7.2	
08 January 2025	17:00	Fine	Middle	0.80	19.2	19.2	7.7	7.7	8.0	8.0	87.0	87.0	8.4	8.4	8.1	7.3
					19.2		7.7		8.0		86.9		8.4		6.4	
10 January 2025	17:02	Fine	Middle	0.65	18.5	18.5	7.9	7.9	7.9	7.9	84.5	84.6	7.6	7.6	3.4	2.7
					18.5		7.9		7.9		84.6		7.5		1.9	
13 January 2025	17:00	Fine	Middle	0.75	18.4	18.4	7.7	7.7	8.1	8.1	86.0	86.3	9.0	8.9	10.0	8.0
					18.4		7.7		8.1		86.6		8.9		5.9	
15 January 2025	17:29	Fine	Middle	0.12	17.1	17.1	6.7	6.7	9.6	9.6	99.3	99.3	13.5	13.5	18.0	17.0
					17.1		6.7		9.6		99.3		13.4		16.0	
17 January 2025	17:18	Fine	Middle	0.55	19.6	19.6	7.4	7.4	6.2	6.2	67.4	67.3	6.3	6.3	5.3	4.8
					19.6		7.4		6.1		67.2		6.3		4.3	
20 January 2025	14:31	Cloudy	Middle	0.08	19.3	19.4	7.7	7.7	5.6	5.6	61.2	61.1	18.9	18.9	14.0	12.0
					19.4		7.7		5.6		60.9		19.0		10.0	
22 January 2025	16:39	Cloudy	Middle	0.50	18.7	18.7	6.8	6.8	8.9	8.9	95.2	95.5	19.1	19.0	3.4	3.0
					18.7		6.8		8.9		95.7		18.9		2.5	
24 January 2025	12:03	Fine	Middle	0.50	19.7	19.7	7.5	7.5	8.0	8.0	88.0	88.1	5.9	5.9	12.0	18.0
					19.7		7.5		8.0		88.1		5.9		24.0	
27 January 2025	17:22	Cloudy	Middle	0.50	18.2	18.2	7.7	7.7	9.3	9.3	98.8	98.8	8.5	8.4	5.1	5.5
					18.2		7.7		9.3		98.8		8.4		5.9	

Water Quality Monitoring Location : D6a

Date	Start Time	Weather	Water depth (m)		Temperature (°C)		pH		DO (mg/L)		DO (%)		Turbidity (NTU)		Suspended Solids (mg/L)	
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
02 January 2025	15:20	Fine	Middle	0.02	17.8	17.8	6.9	6.9	8.9	8.9	93.1	93.1	11.9	11.9	1.7	1.6
					17.8		6.9		8.9		93.1		11.9		1.4	
04 January 2025	11:45	Fine	Middle	0.03	20.3	20.3	7.0	7.0	8.8	8.8	96.9	97.0	11.2	11.1	2.1	1.9
					20.3		7.0		8.8		97.1		11.1		1.6	
06 January 2025	13:25	Fine	Middle	0.03	17.9	17.9	7.1	7.1	8.9	8.9	93.9	93.9	11.9	11.8	1.7	1.5
					17.9		7.1		8.9		93.9		11.8		1.3	
08 January 2025	17:30	Fine	Middle	0.02	19.2	19.2	7.5	7.5	8.7	8.7	93.9	94.0	10.4	10.4	5.6	4.8
					19.2		7.5		8.7		94.1		10.4		3.9	
10 January 2025	12:30	Fine	Middle	0.03	18.2	18.2	7.2	7.2	9.3	9.3	98.4	98.4	9.1	9.1	1.7	1.5
					18.2		7.2		9.3		98.3		9.1		1.3	
13 January 2025	12:50	Fine	Middle	0.07	17.9	17.9	7.5	7.5	9.2	9.2	96.8	96.6	9.2	9.2	1.2	1.6
					17.9		7.6		9.2		96.3		9.2		2.0	
15 January 2025	17:00	Fine	Middle	0.02	18.6	18.7	7.2	7.2	8.9	8.9	95.8	95.8	6.3	6.3	7.1	6.2
					18.7		7.2		8.9		95.8		6.3		5.3	
17 January 2025	17:41	Fine	Middle	0.05	19.5	19.5	7.3	7.3	8.9	8.9	96.5	96.6	11.8	11.8	6.4	5.7
					19.5		7.3		8.9		96.6		11.8		5.0	
20 January 2025	15:00	Cloudy	Middle	0.03	15.8	15.8	7.1	7.1	8.9	8.9	89.4	89.6	10.4	10.4	4.7	4.1
					15.8		7.1		8.9		89.7		10.4		3.4	
22 January 2025	16:00	Cloudy	Middle	0.03	18.8	18.8	7.7	7.7	7.5	7.5	80.8	80.4	5.9	5.9	6.4	6.0
					18.8		7.7		7.4		79.9		5.9		5.6	
24 January 2025	12:35	Fine	Middle	0.06	19.6	19.6	7.1	7.1	8.8	8.7	95.5	95.5	10.5	10.5	4.4	3.4
					19.6		7.2		8.7		95.4		10.5		2.4	
27 January 2025	12:12	Cloudy	Middle	0.03	17.1	17.1	7.5	7.5	9.7	9.7	100.6	100.6	9.0	9.0	4.1	5.4
					17.1		7.5		9.7		100.6		9.0		6.6	

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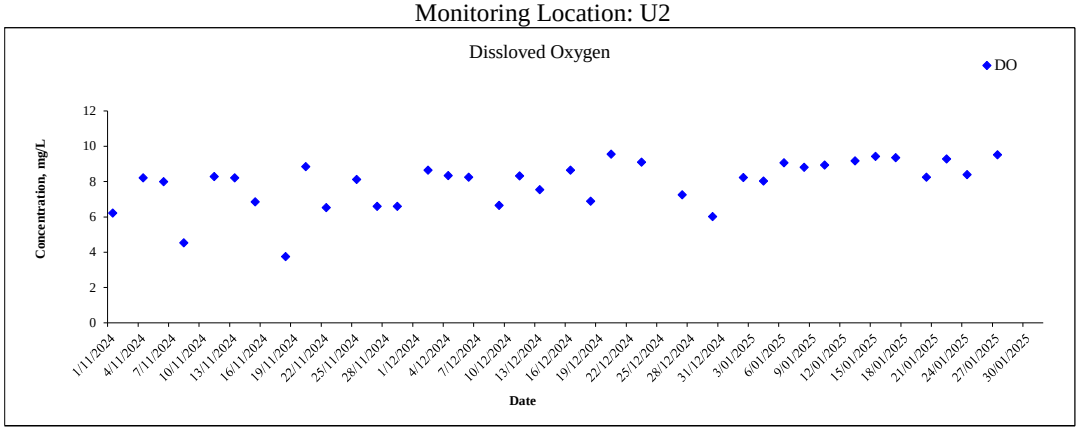
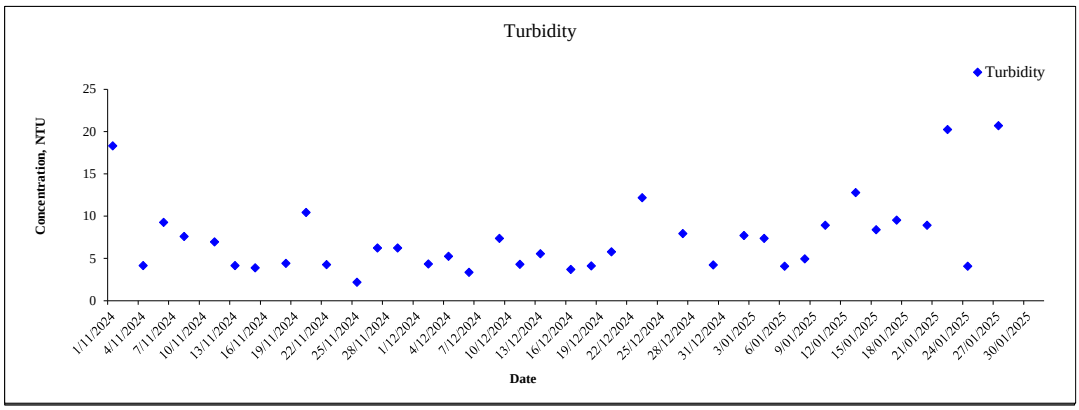
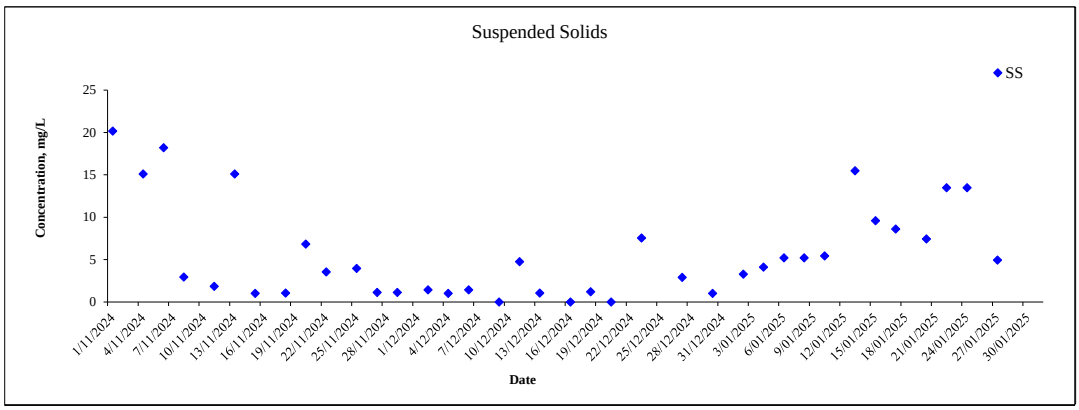
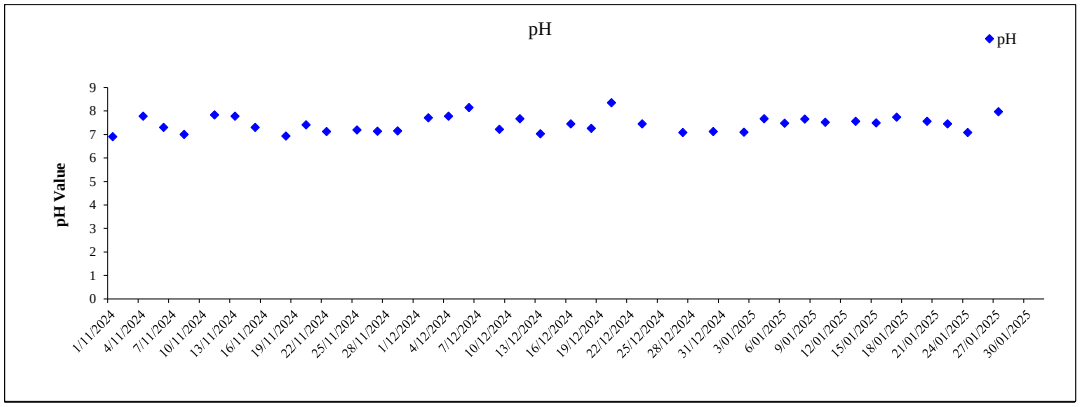
Monitoring Location: U2









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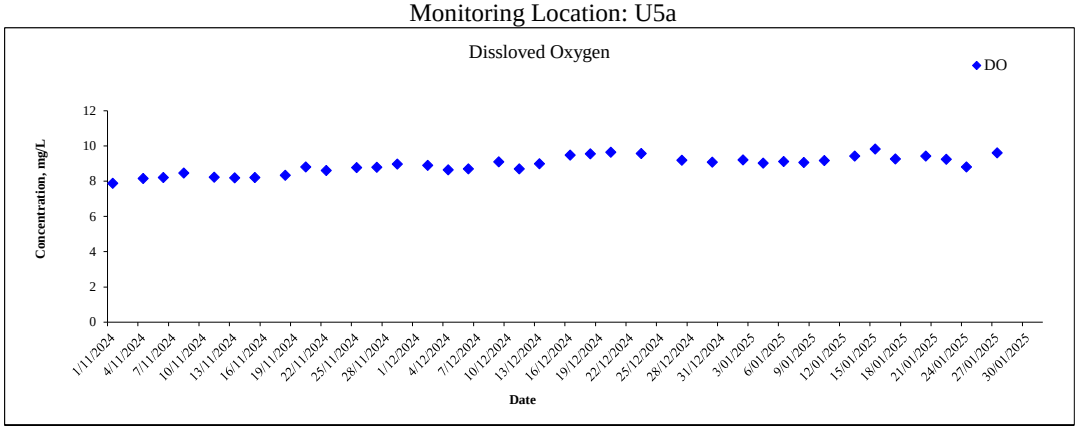
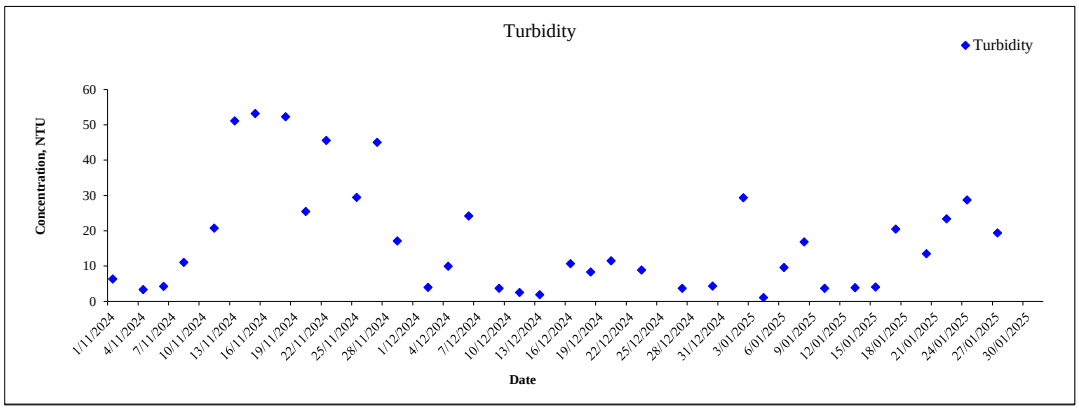
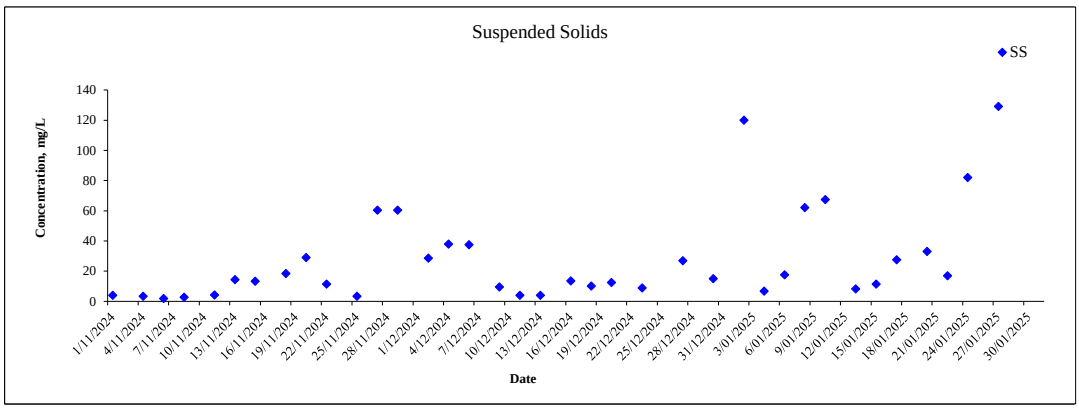
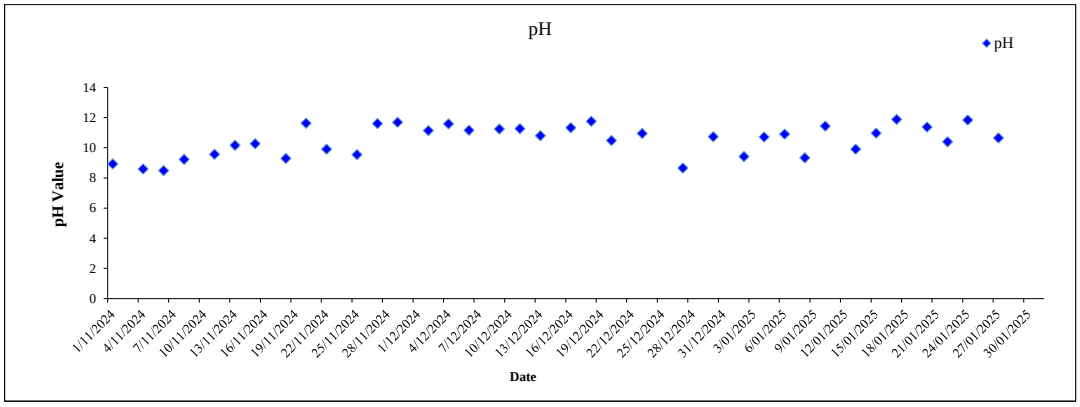
Monitoring Location: U5a









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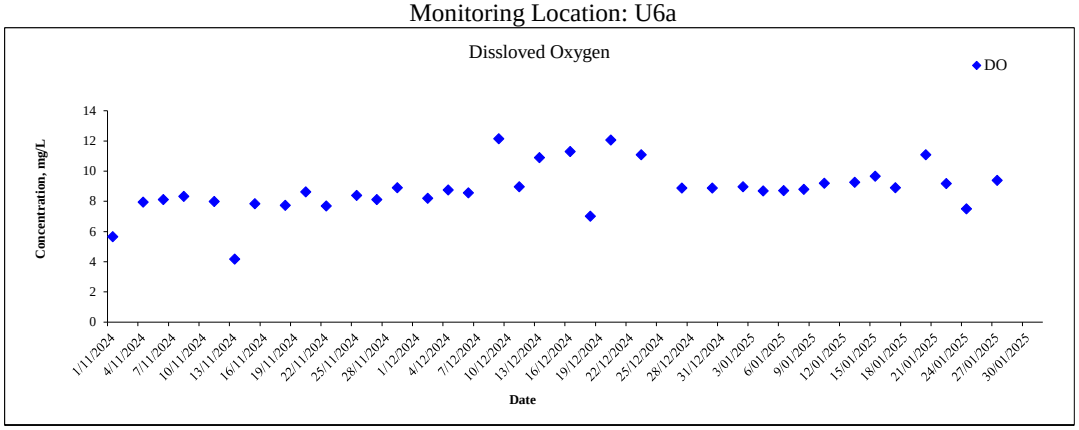
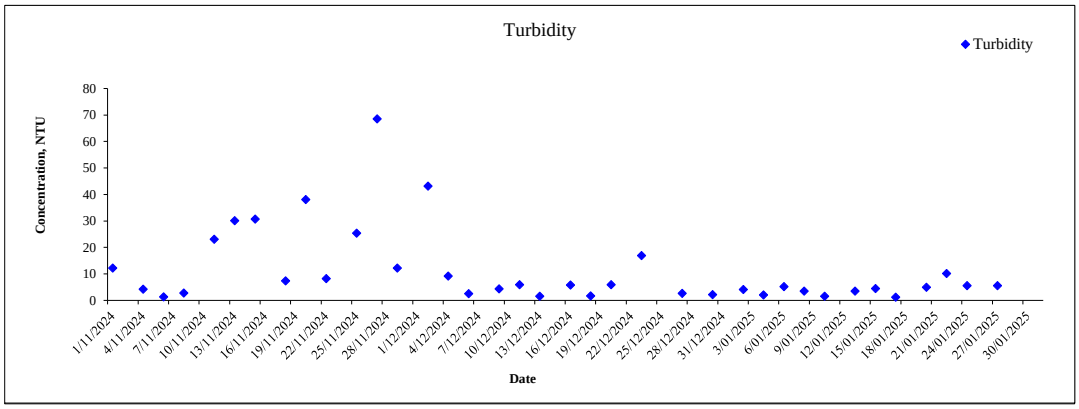
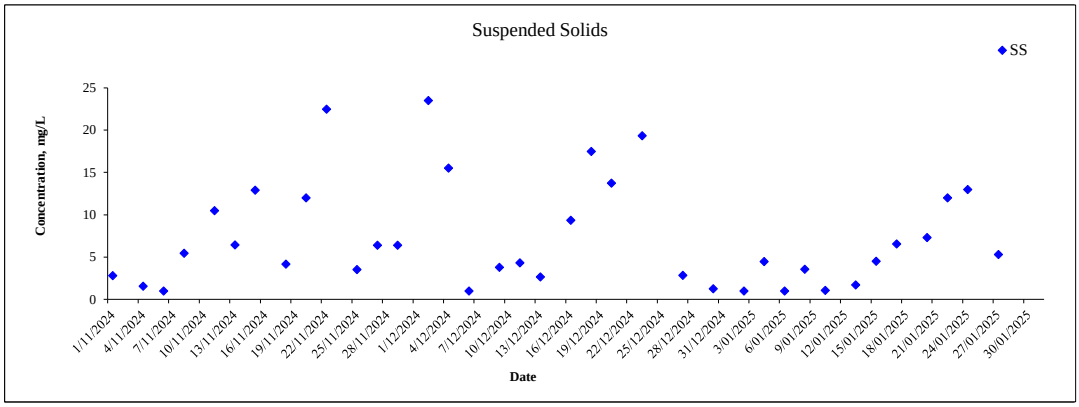
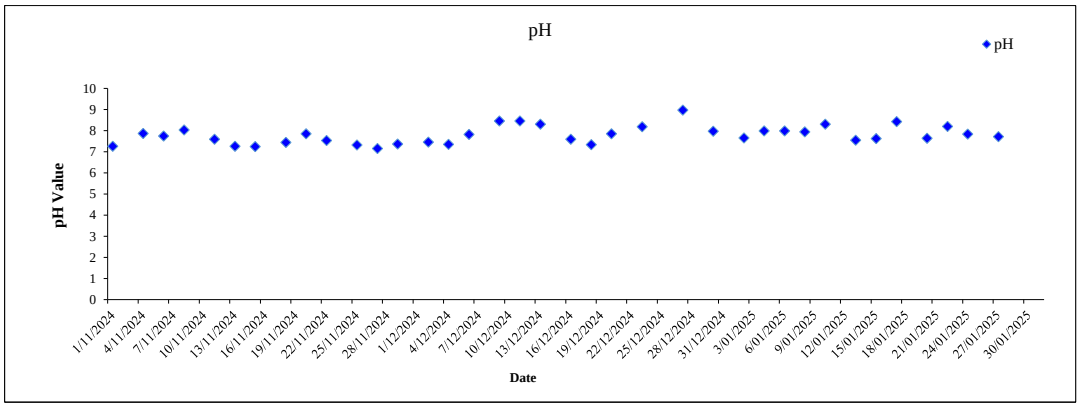
Monitoring Location: U6a









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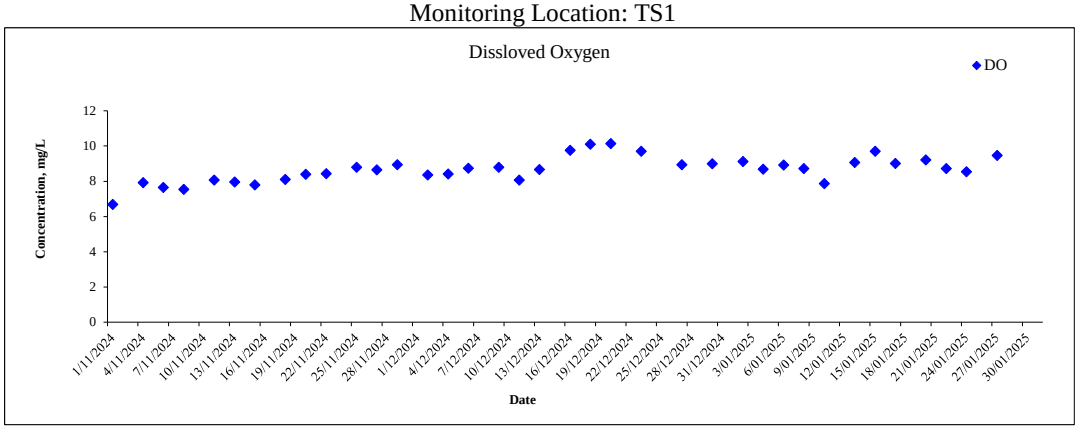
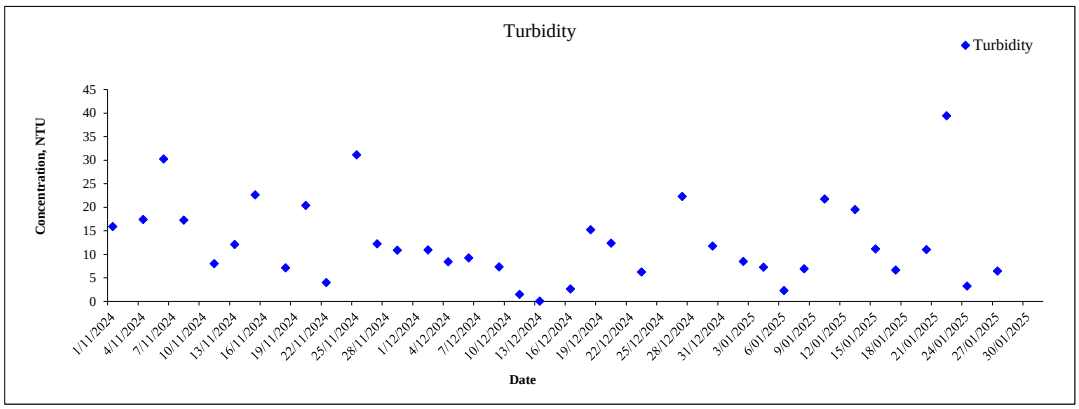
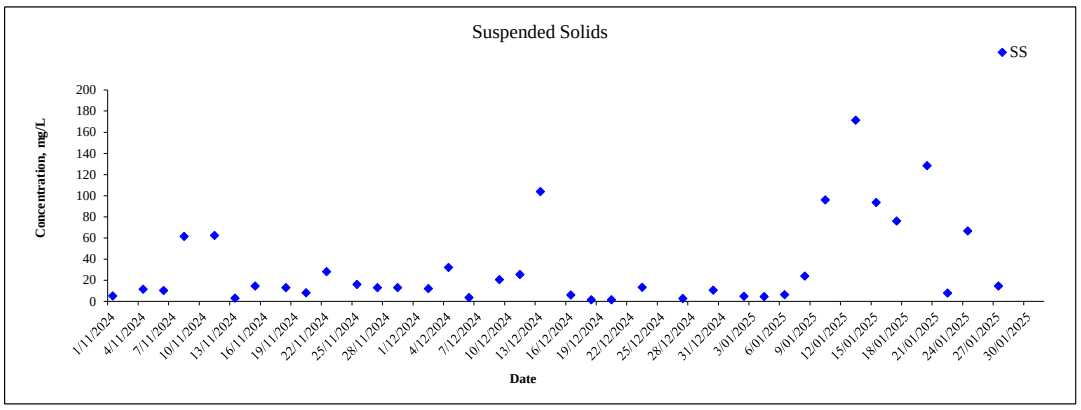
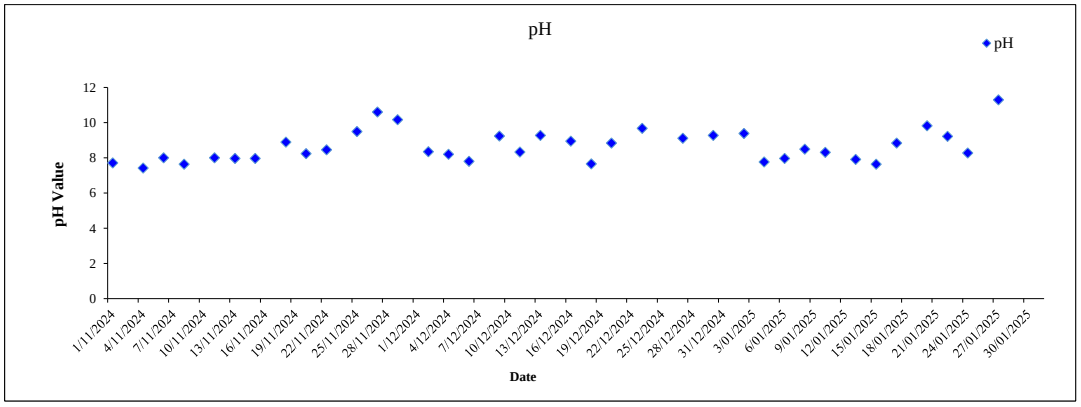
Monitoring Location: TS1



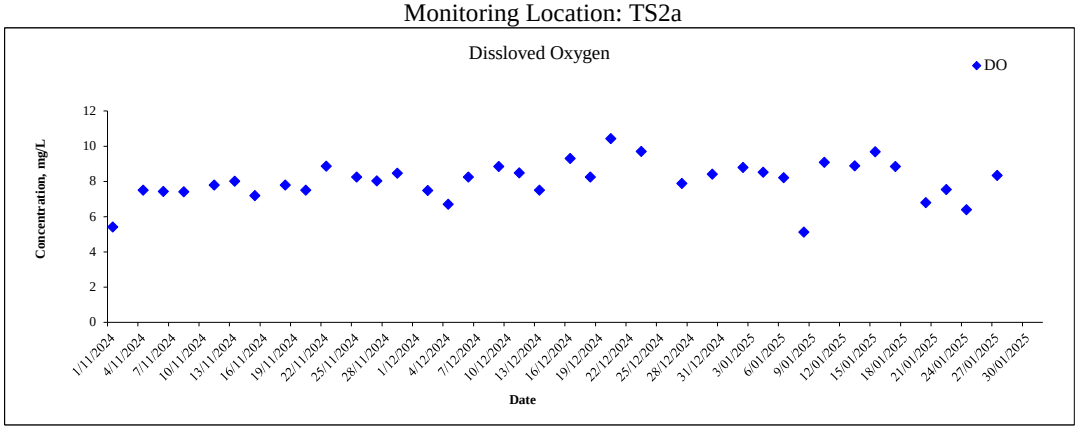


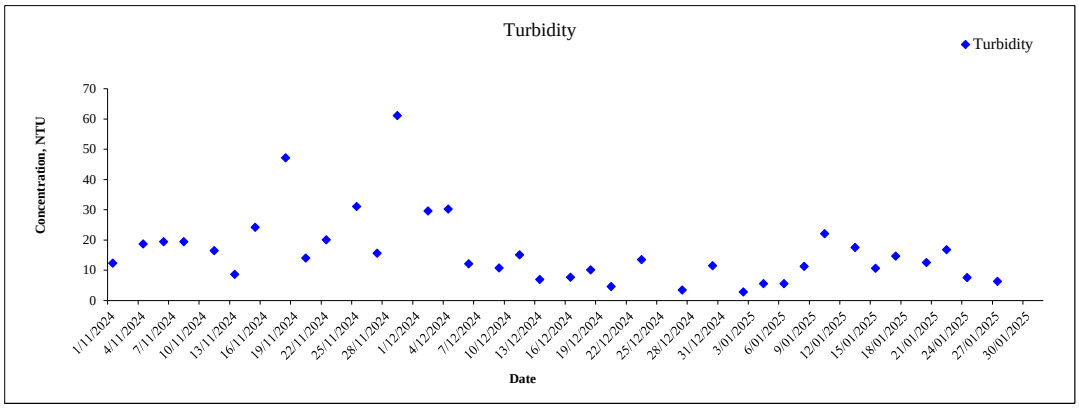


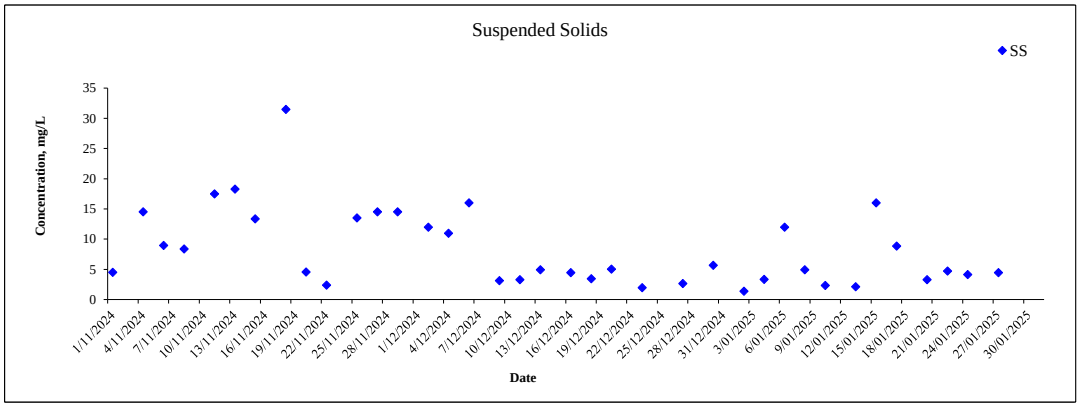


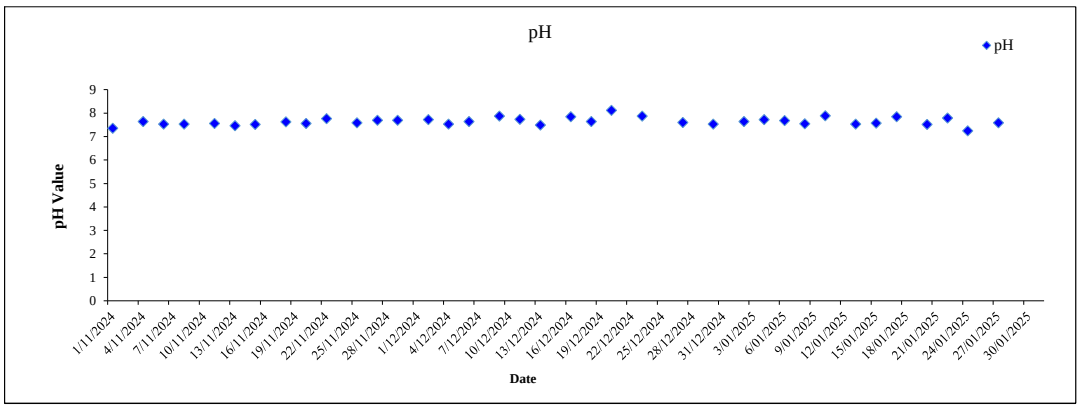
Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Water Quality Monitoring Result

Monitoring Location: TS2a



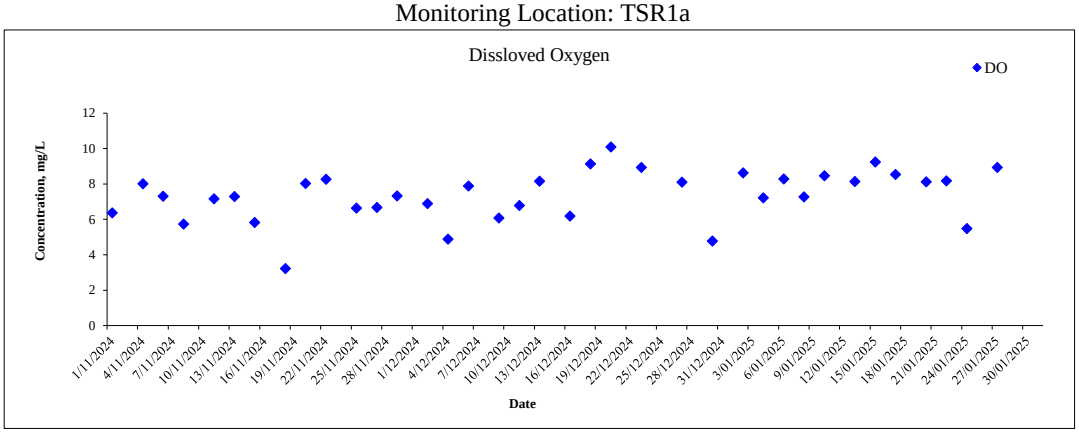


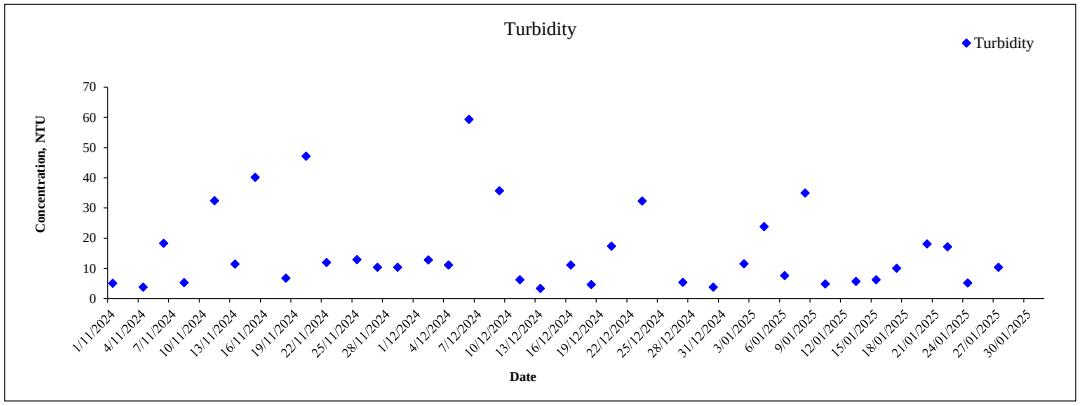


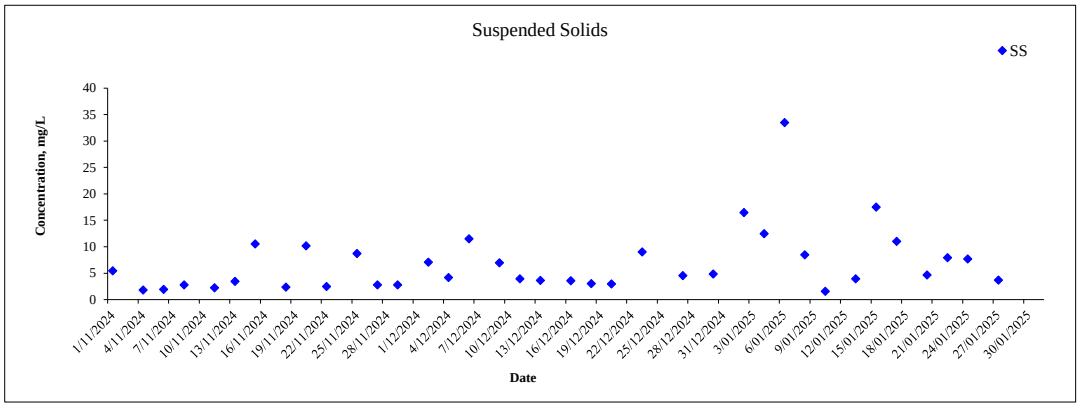


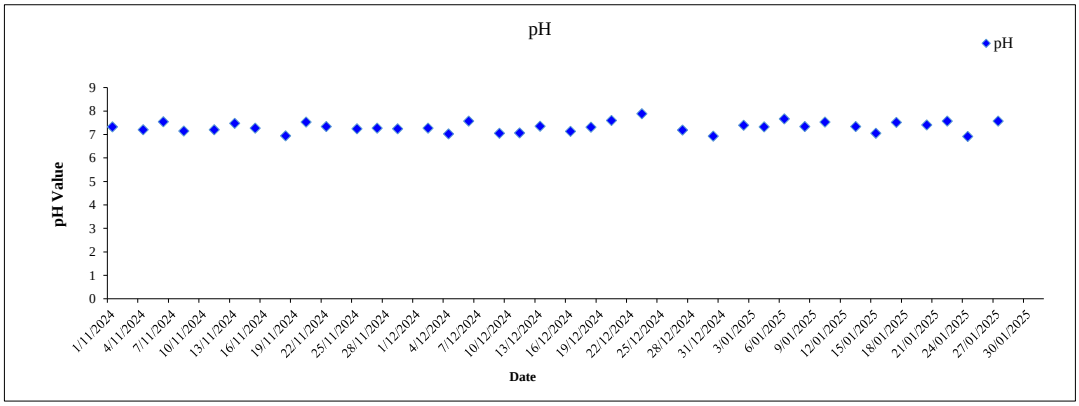
Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Water Quality Monitoring Result

Monitoring Location: TSR1a



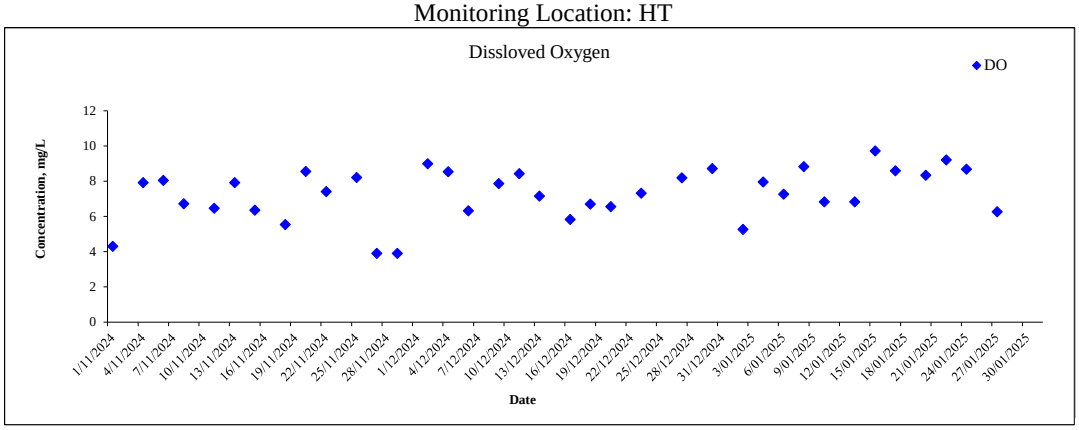


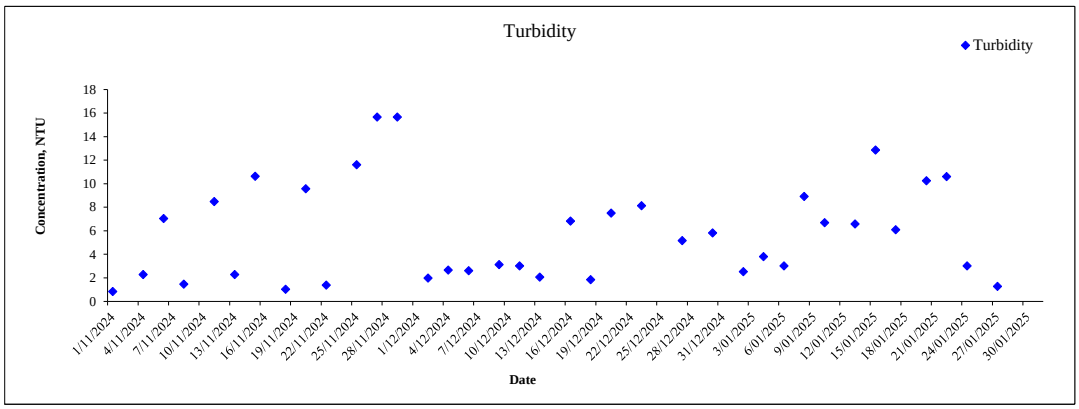


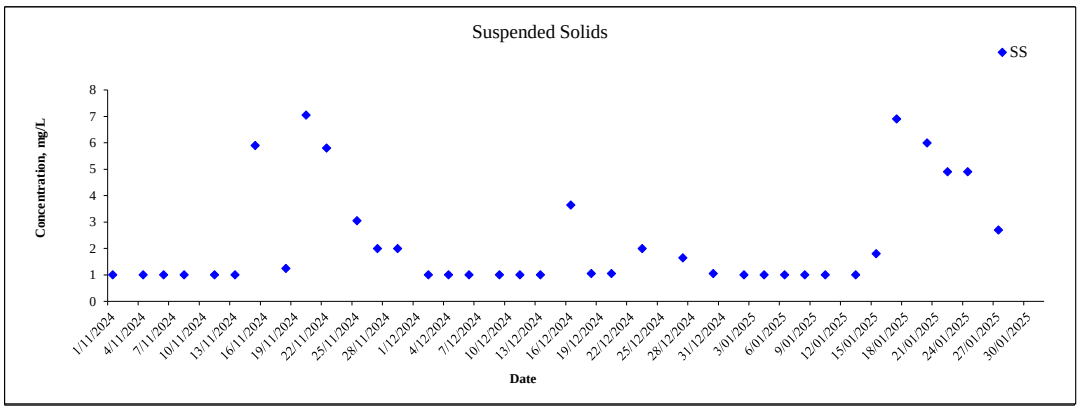


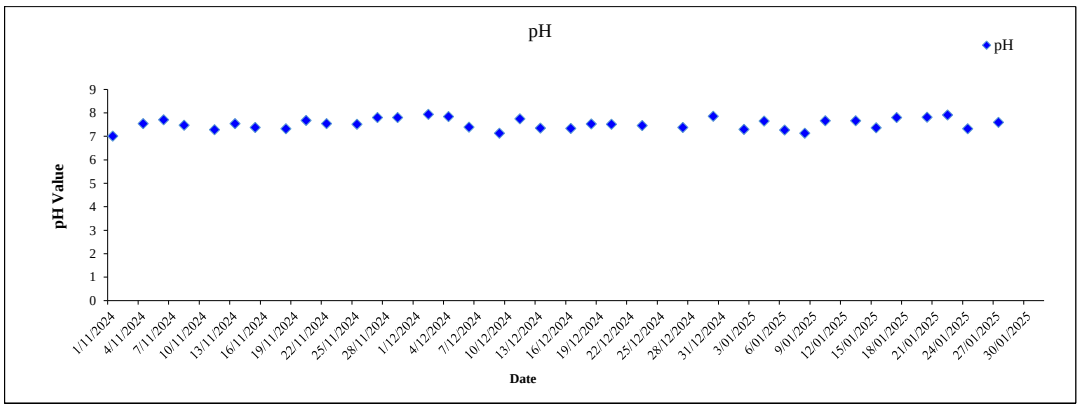
Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Water Quality Monitoring Result

Monitoring Location: HT

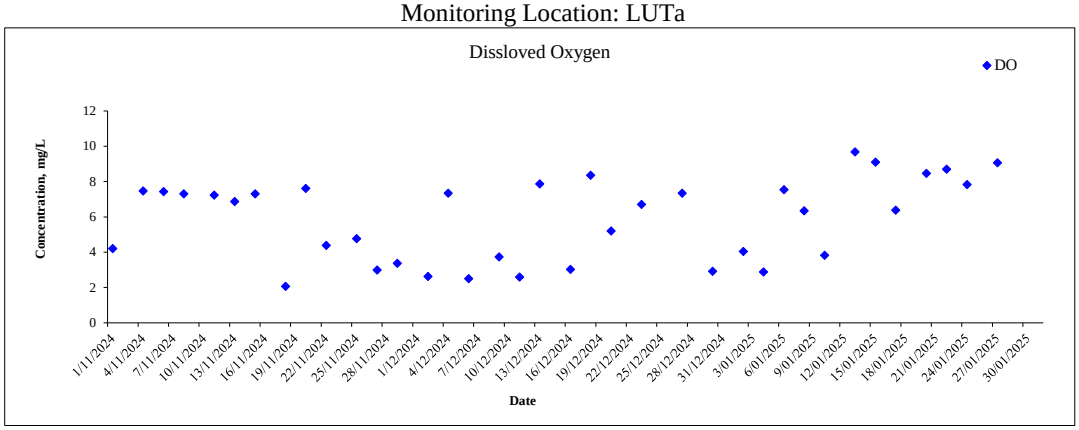


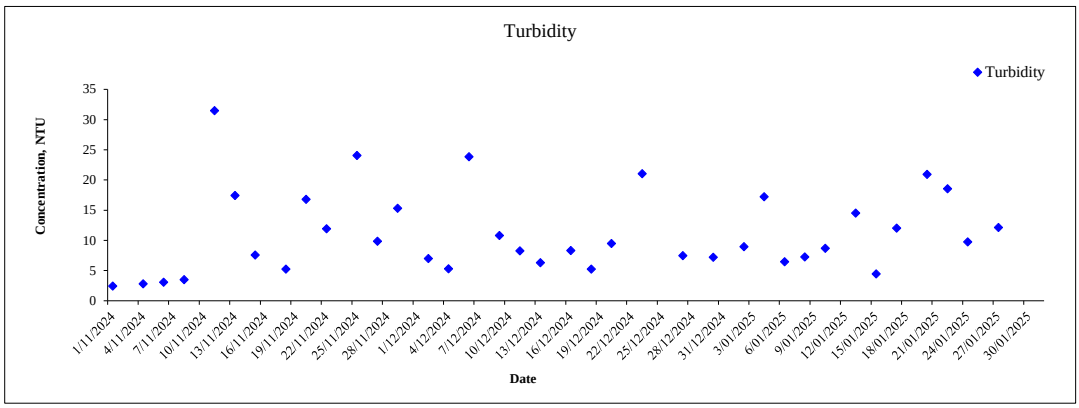


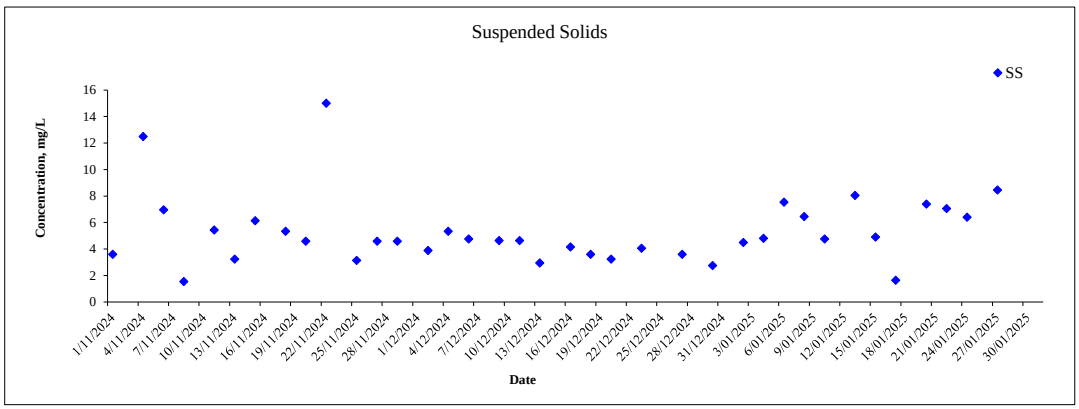


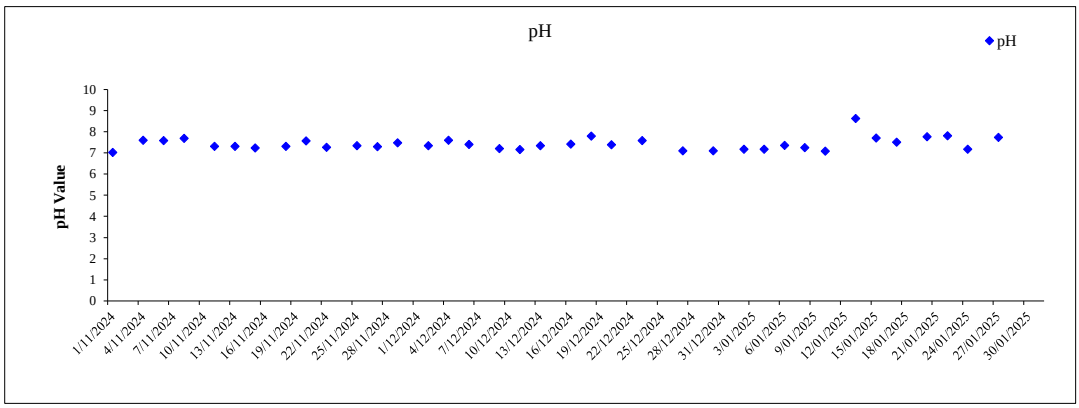


Monitoring Location: LUTa

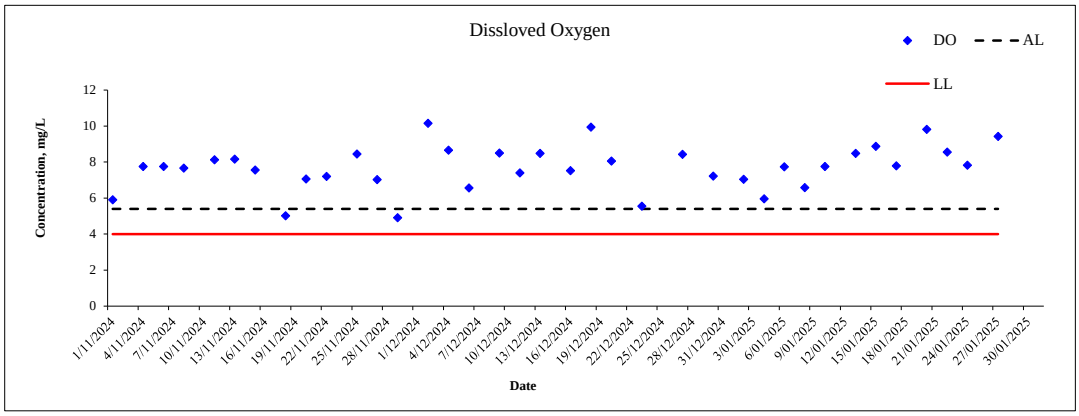


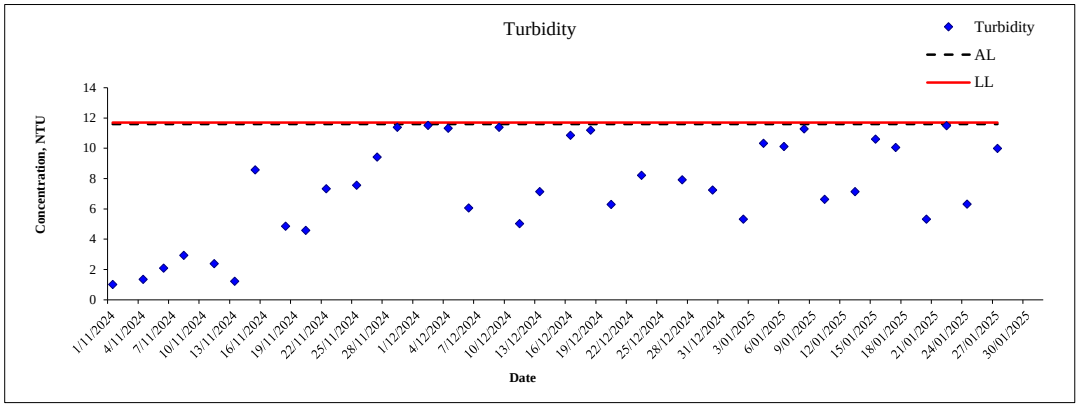


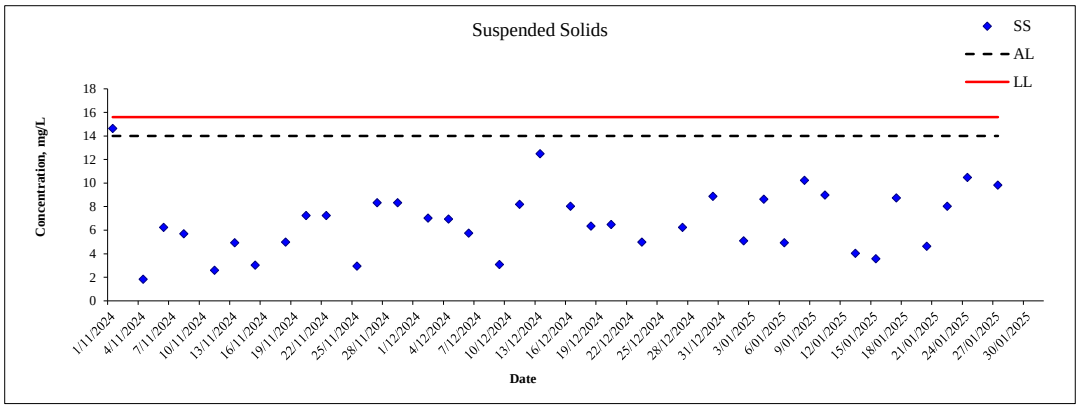


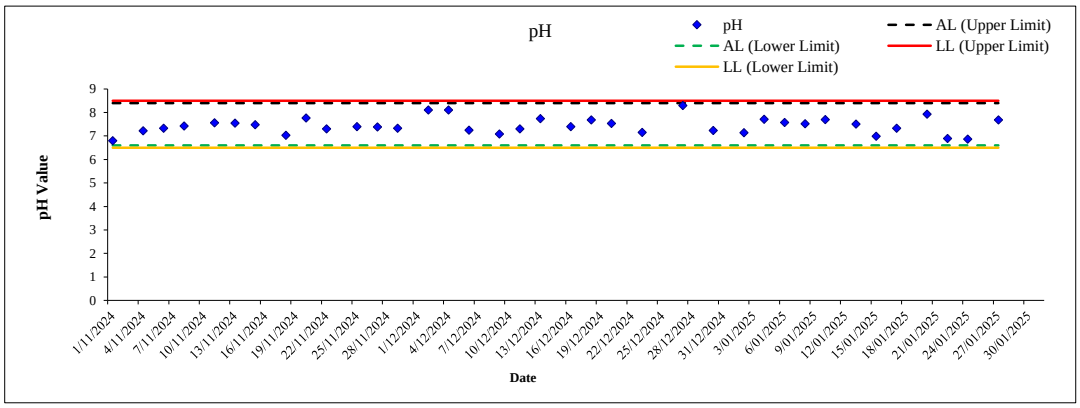


Monitoring Location: D2a



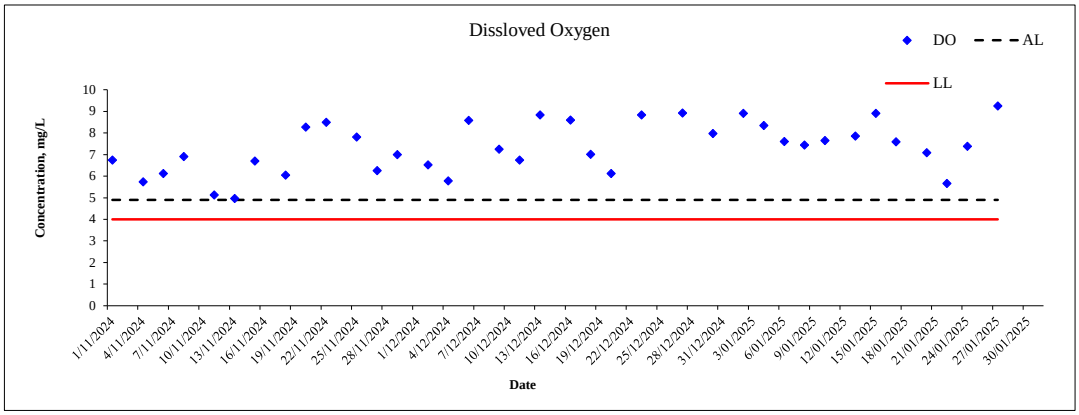


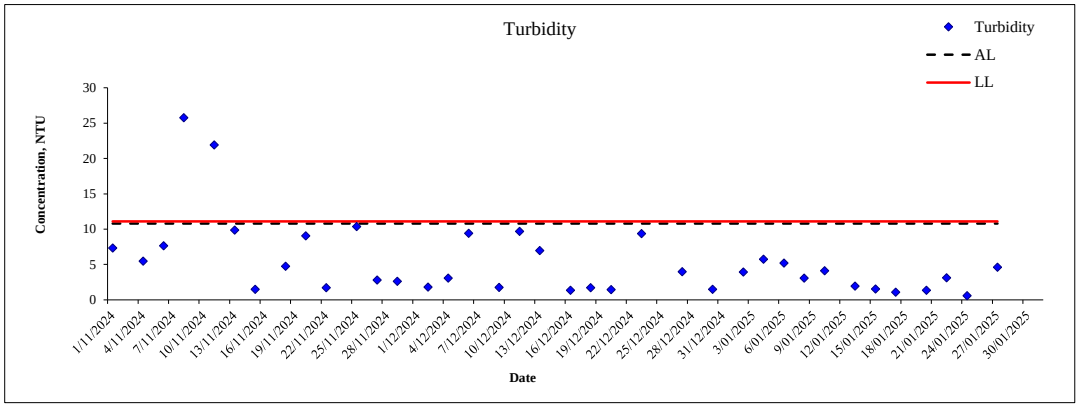


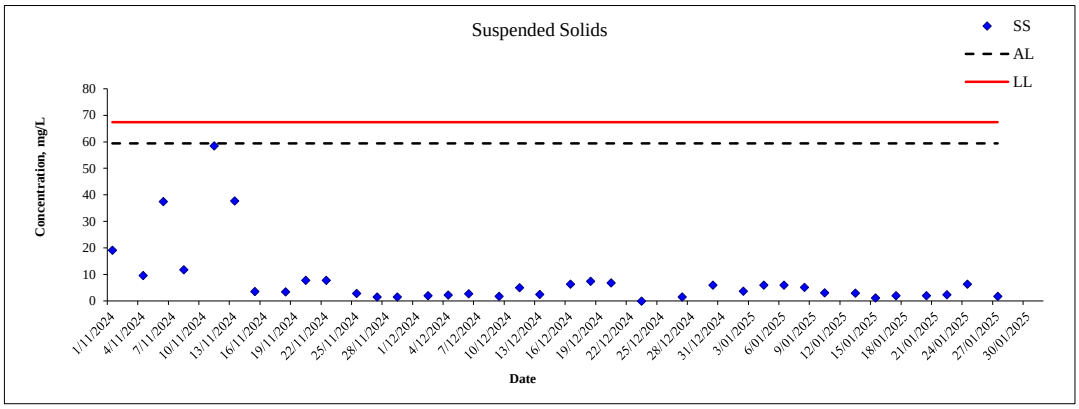


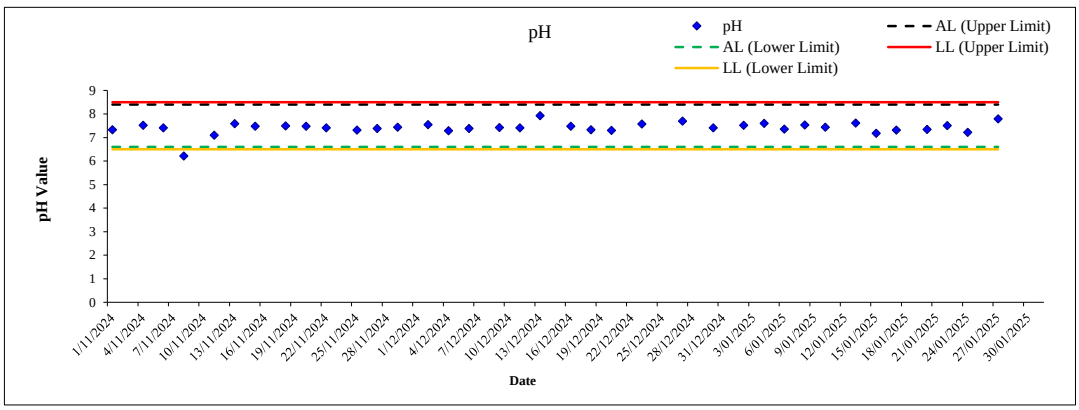
Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Water Quality Monitoring Result

Monitoring Location: D3

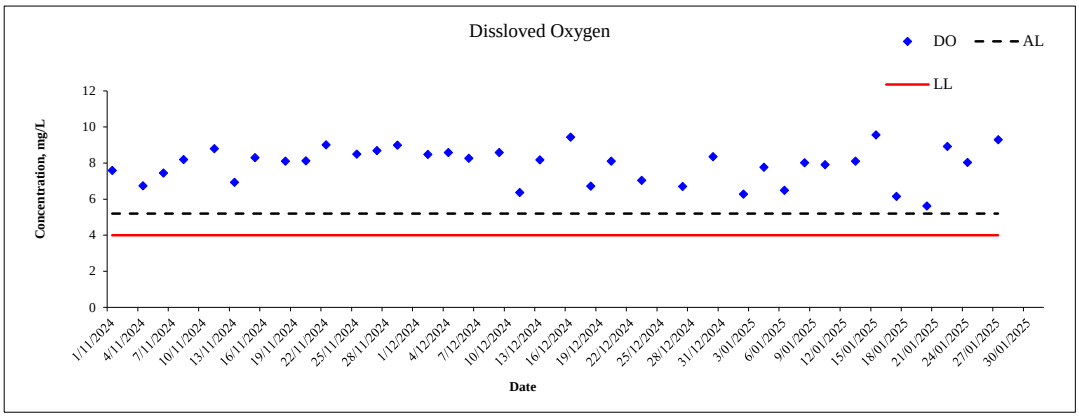


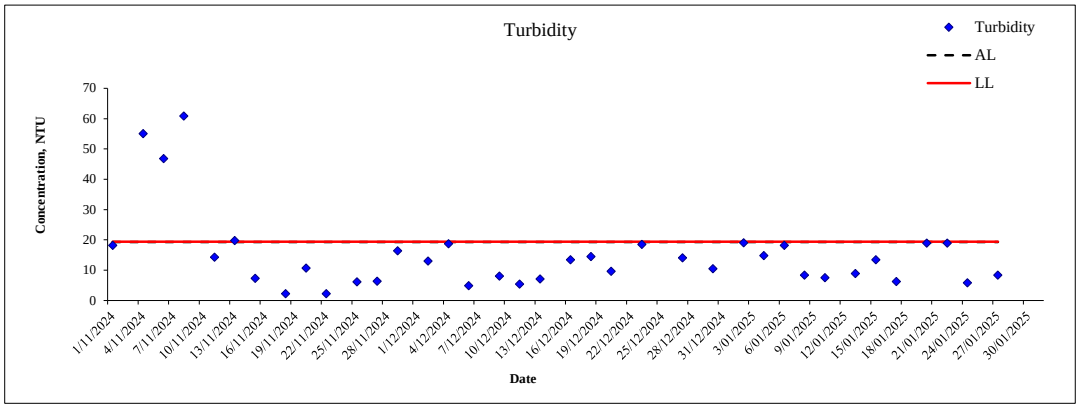


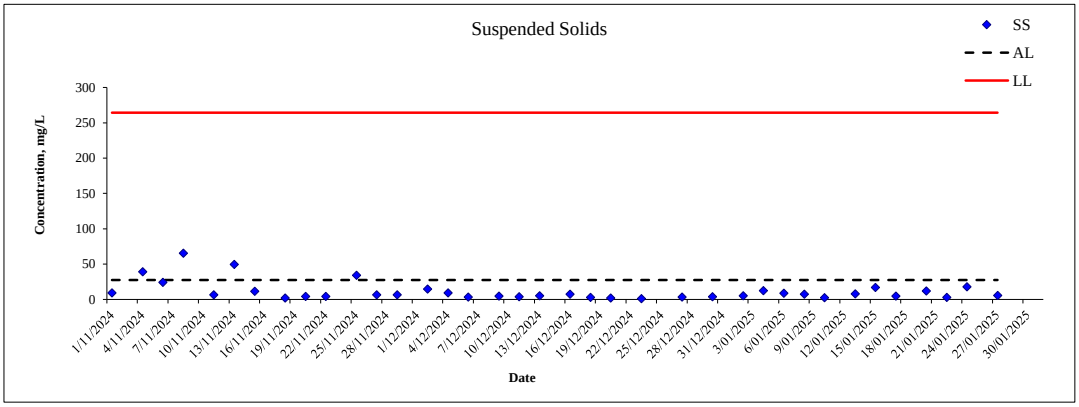


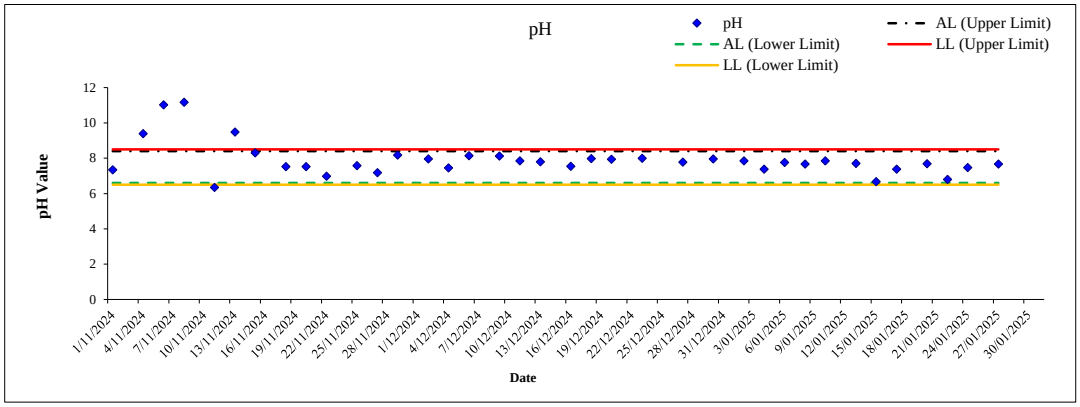


Monitoring Location:D5a



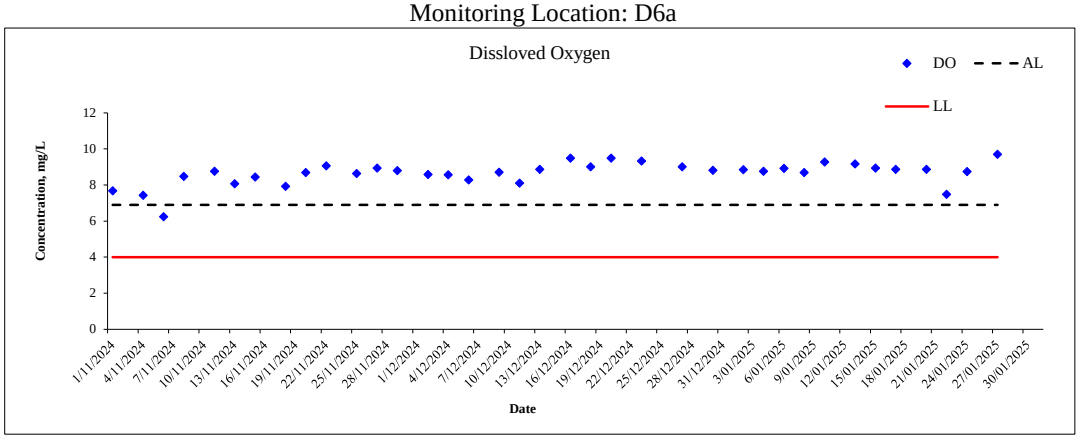


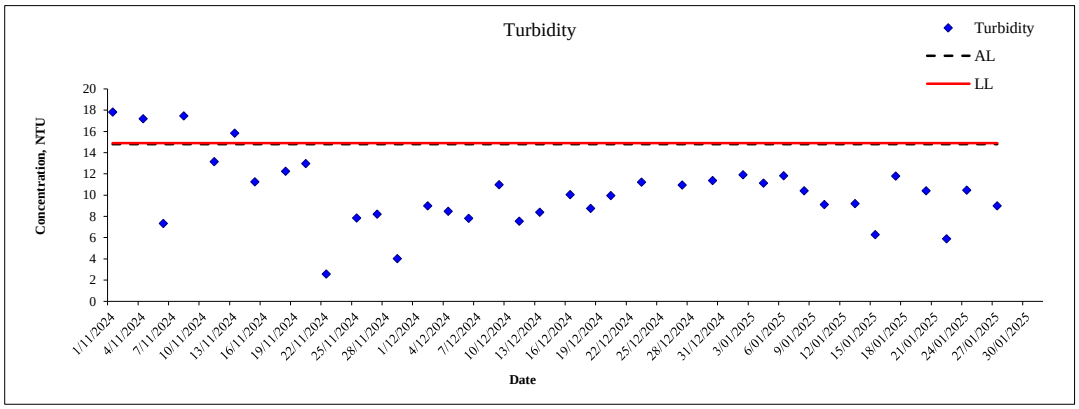


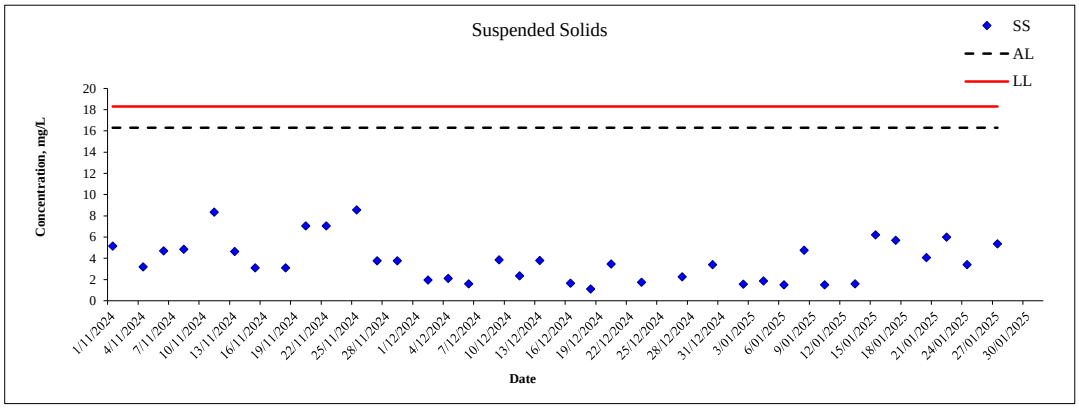


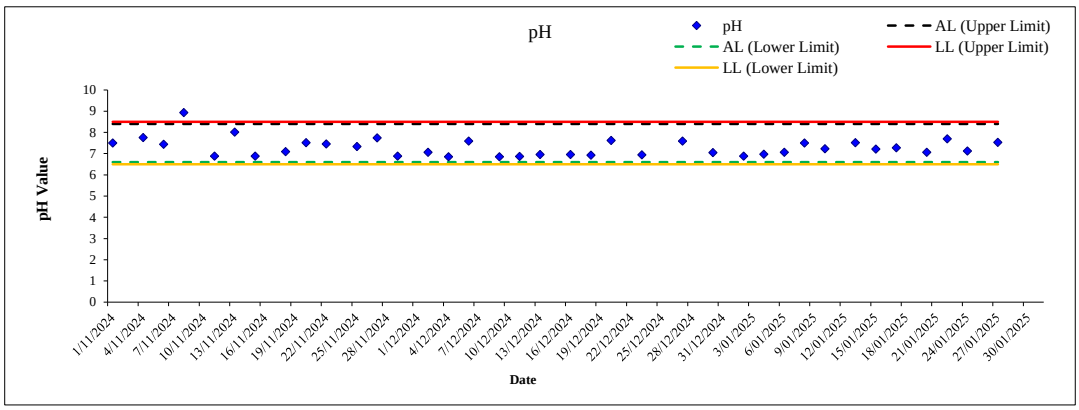
Contract No. WD/03/2023
Hung Shui Kiu/Ha Tsuen New Development Area
Second Phase Development - Environmental Team
Water Quality Monitoring Result

Monitoring Location: D6a









Appendix 4.3 Quality Control Report for Suspended Solids

Acumen Laboratory and Testing Limited
Workshop 04, 7/F, The Whitney, No. 183 Wai Yip Street, Kwun Tong, Kowloon
Tel: (852) 2333 6823 Fax: (852) 2333 1316

Appendix - Quality Control Summary Table

Project Name: Service Contract No. WD/03/2023 Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development - Environmental Team)

		Method Blank Report		Duplicate Report			Sample Spike Report		Pass / Fail
		MDL	Result	Original Result	Duplicate Result	RPD	Spike concentration	Spike Recovery	
Sampling Date	Job No. / Unit	mg/L	mg/L	mg/L	mg/L	%	mg/L	%	/
02/01/2025	R250001	0.22	0.08	3.03	3.17	-4.52	10	94.3	Pass
04/01/2025	R250009	0.22	0.08	3.52	3.62	-2.80	10	93.4	Pass
06/01/2025	R250010	0.22	0.10	3.22	3.16	1.88	10	95.0	Pass
08/01/2025	R250030	0.22	0.09	4.70	4.81	-2.31	10	93.1	Pass
10/01/2025	R250034	0.22	0.11	5.01	5.16	-2.95	10	93.3	Pass
13/01/2025	R250045	0.22	0.08	4.54	4.43	2.45	10	94.7	Pass
15/01/2025	R250073	0.22	0.10	3.58	3.70	-3.30	10	92.7	Pass
17/01/2025	R250095	0.22	0.07	3.28	3.17	3.41	10	94.0	Pass
20/01/2025	R250114	0.22	0.11	3.80	3.87	-1.83	10	93.7	Pass
22/01/2025	R250153	0.22	0.08	3.96	3.83	3.34	10	93.6	Pass
24/01/2025	R250163	0.22	0.07	4.35	4.50	-3.39	10	94.0	Pass
27/01/2025	R250168	0.22	0.10	3.51	3.39	3.48	10	92.3	Pass

Acumen Laboratory and Testing Limited
Flat/Rm D, 12/F, Ford Glory Plaza, Nos. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong
Tel: (852) 2333 6823 Fax: (852) 2333 1316

Appendix - Quality Control Summary Table

Project Name: Service Contract No. WD/03/2023 Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development - Environmental Team

		Method Blank Report		Duplicate Report			Sample Spike Report		Pass / Fail
		MDL	Result	Original Result	Duplicate Result	RPD	Spike concentration	Spike Recovery	
Sampling Date	Job No. / Unit	mg/L	mg/L	mg/L	mg/L	%	mg/L	%	/
02/01/2025	R250001	0.22	0.11	3.13	3.02	3.58	10	94.9	Pass
04/01/2025	R250013	0.22	0.08	5.01	4.83	3.66	10	93.6	Pass
06/01/2025	R250015	0.22	0.11	4.66	4.85	-4.00	10	93.8	Pass
08/01/2025	R250031	0.22	0.11	4.94	4.78	3.29	10	94.6	Pass
10/01/2025	R250035	0.22	0.09	3.48	3.57	-2.55	10	93.2	Pass
13/01/2025	R250046	0.22	0.09	3.27	3.16	3.55	10	94.5	Pass
15/01/2025	R250074	0.22	0.10	5.11	5.21	-1.94	10	93.9	Pass
17/01/2025	R250096	0.22	0.08	3.97	3.86	2.81	10	93.3	Pass
20/01/2025	R250115	0.22	0.10	5.23	5.34	-2.08	10	93.2	Pass
22/01/2025	R250154	0.22	0.11	3.00	3.08	-2.63	10	93.7	Pass
24/01/2025	R250164	0.22	0.11	3.78	3.73	1.33	10	94.6	Pass
27/01/2025	R250169	0.22	0.08	3.30	3.41	-3.28	10	93.9	Pass

Appendix 4.4 Event and Action Plan for Water Quality

Event and Action Plan for Water Quality

Event	Action			
	ET Leader	IEC	ER	Contractor
Action Level				
Action level being exceeded by one sampling day	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; 6. Repeat measurement on next day of exceedance.	1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented.	1. Inform the ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and propose mitigation measures to IEC and ER; 6. Implement the agreed mitigation measures.
Action Level being exceeded by more than one consecutive sampling days	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; 6. Ensure mitigation measures are implemented; 7. Prepare to increase the monitoring frequency to daily; 8. Repeat measurement on next day of exceedance.	1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IEC on the proposed mitigation measures; 2. Make agreement on the mitigation measures to be implemented; 3. Assess the effectiveness of the implemented mitigation measures	1. Inform the Engineer and confirm notification of the noncompliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET and IEC and propose mitigation measures to IEC and ER within 3 working days; 6. Implement the agreed mitigation measures.

Limit Level				
Limit level being exceeded by one sampling day	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC and Contractor; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit Level.	1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Assess the effectiveness of the implemented mitigation measures.	1. Inform the ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 3 working days; 6. Implement the agreed mitigation measures.
Limit level being exceeded by more than one consecutive sampling days	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Inform IEC, Contractor and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, ER and Contractor; 6. Ensure mitigation measures are implemented; 7. Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days.	1. Discuss with ET and Contractor on the mitigation measures; 2. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	1. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 2. Request Contractor to critically review the working methods; 3. Make agreement on the mitigation measures to be implemented; 4. Assess the effectiveness of the implemented mitigation measures. 5. Consider and instruct, if necessary the Contractor to slow down or to stop all or part of the marine work until no exceedance if Limit Level.	1. Inform the ER and confirm notification of the non-compliance in writing; 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 3 working days; 6. Implement the agreed mitigation measures. 7. As directed by the ER, to slow down or to stop all or part of the marine work or construction activities.

Appendix 5.1 Summary of Monthly Waste Flow Table

Summary of Monthly Waste Flow Table for the Project in 2025

Month	Total Quantity Generated	Actual Quantities of Inert C&D Materials Generated Monthly					Actual Quantities of C&D Materials Generated Monthly				
		Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastic	Chemical Waste	Others, e.g. General Refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	0.26	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.04
Feb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jun	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-total	**0.26**	**0.00**	**0.00**	**0.22**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**
Jul	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nov	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.26**	**0.00**	**0.00**	**0.22**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**

Appendix 7.1 Event and Action Plan for Landscape and Visual

Event/Action Plan for Landscape and Visual

Event	Action			
	ET	IEC	ER	Contractor
Design Check	1. Check final design conforms to the requirements of EP and prepare report.	1. Check report. 2. Recommend remedial design if necessary.	1. Undertake remedial design if necessary.	-
Nonconformity on one occasion	1. Inform the IEC, ER and the Contractor 2. Discuss remedial actions with IEC, ER and Contractor 3. Monitor remedial actions until rectification has been completed	1. Check inspection report. 2. Check Contractor's working method 3. Discuss with ET, ER and Contractor on possible remedial measures. 4. Advise ER on effective of proposed remedial measures. 5. Check implementation of remedial measures	1. Confirm receipt of notification of nonconformity in writing 2. Review and agree on the remedial measures proposed by the Contractor 3. Ensure remedial measures are properly implemented	1. Identify source and investigate the nonconformity 2. Amend working methods agreed with ER as appropriate 3. Rectify damage and undertake any necessary replacement.
Repeated nonconformity	1. Identify sources 2. Inform the Contractor, IEC and ER 3. Discuss inspection frequency 4. Discuss remedial actions with IEC, ER and Contractor 5. Monitor remedial actions until rectification has been completed 6. If nonconformity stops, cease additional monitoring	1. Check inspection report 2. Check Contractor's working method 3. Discuss with ET, ER and Contractor on possible remedial measures 4. Advise ER on effectiveness of proposed remedial measures	1. Notify the Contractor 2. In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented 3. Supervise implementation of remedial measures	1. Identify source and investigate the nonconformity 2. Amend working methods agreed with ER as appropriate 3. Rectify damage and undertake any necessary replacement. 4. Stop relevant portion of works as determined by ER until the nonconformity is abated.

Appendix 9.1 Complaint Log

Statistical Summary of Environmental Complaints for Contract 1

Reporting Period	Environmental Complaint Statistics		
	Frequency	Cumulative	Complaint Nature
1 – 31 January 2025	0	0	N/A

Statistical Summary of Environmental Summons for Contract 1

Reporting Period	Environmental Summons Statistics		
	Frequency	Cumulative	Details
1 – 31 January 2025	0	0	N/A

Statistical Summary of Environmental Prosecution for Contract 1

Reporting Period	Environmental Prosecution Statistics		
	Frequency	Cumulative	Details
1 – 31 January 2025	0	0	N/A

Statistical Summary of Environmental Complaints for Contract 2

Reporting Period	Environmental Complaint Statistics		
	Frequency	Cumulative	Complaint Nature
1 – 31 January 2025	0	0	N/A

Statistical Summary of Environmental Summons for Contract 2

Reporting Period	Environmental Summons Statistics		
	Frequency	Cumulative	Details
1 – 31 January 2025	0	0	N/A

Statistical Summary of Environmental Prosecution for Contract 2

Reporting Period	Environmental Prosecution Statistics		
	Frequency	Cumulative	Details
1 – 31 January 2025	0	0	N/A

Appendix 10.1 Impact Monitoring Schedule of Next Reporting Month

Service Contract No. WD/03/2023 Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development - Environmental Team (Version 1.0)

February 2025

Sun	Mon	Tue	Wed	Thur	Fri	Sat
						1 Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6
2	**3** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14	**4**	**5** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Noise Monitoring at CM1, CM2, CM3, CM4a, CM10, CM13, CM14, CM15a, CM16, CM18 and CM20	**6** Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6	**7**	**8** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14
9	**10** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a	**11** Impact Noise Monitoring at CM1, CM2, CM3, CM4a, CM10, CM13, CM14, CM15a, CM16, CM18 and CM20	**12** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6	**13**	**14** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14	**15**
16	**17** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a	**18** Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6	**19**	**20** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14	**21** Impact Noise Monitoring at CM1, CM2, CM3, CM4a, CM10, CM13, CM14, CM15a, CM16, CM18 and CM20	**22** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a
23	**24** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM1, AM2, AM3, AM4, AM5 and AM6	**25**	**26** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a Impact Air Quality Monitoring at AM7, AM8a, AM10, AM11, AM12 and AM14	**27** Impact Noise Monitoring at CM1, CM2, CM3, CM4a, CM10, CM13, CM14, CM15a, CM16, CM18 and CM20	**28** Impact Water Quality Monitoring at U2, U5a, U6a, TS1, TS2a, TSR1a, HT, LUTa, D2a, D3, D5a and D6a	

Remarks:
1. The schedule may be changed due to unforeseen circumstances (e.g. adverse weather, etc.).
2. Impact air quality monitoring at AM22, AM24 and AM25a will be carried out when the planned sensitive receivers are commissioned.
3. Impact noise monitoring at CM28, CM29, CM31 and CM32 will be carried out when the planned sensitive receivers are commissioned.
4. Impact water quality monitoring at U2 and HT will be carried out by the Environmental Team appointed under Hung Shui Kiu/Ha Tsuen New Development Area Stage 1 Works, and the corresponding water quality monitoring data at these stations will be shared with this Project (i.e. Hung Shui Kiu/Ha Tsuen New Development Area Second Phase Development).

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