Civil Engineering and Development Department

Agreement No. CE 67/2015 (HY)
Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works Design and Construction

Monthly EM&A Report
(Version 1.0)

September 2018

Approved By	(Dr. Priscilla Choy, Environmental Team Leader)

REMARKS:

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

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

CINOTECH CONSULTANTS LTD
Room 1710, Technology Park,
18 On Lai Street,
Shatin, NT, Hong Kong
Tel: (852) 2151 2083 Fax: (852) 3107 1388
Email: info@cinotech.com.hk

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

EXECUTIVE SUMMARY

Introduction

1. This is the 23rd Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the "Agreement No. CE 67/2015 (HY) Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works – Design and Construction" (hereinafter called "the Project"). This report documents the findings of EM&A Works conducted in 1 – 30 September 2018.

2. During the reporting month, the major site activities undertaken in the reporting month included:

Portion A – Construction of Cycle Track, Construction of Drainage Pipe
Portion B –Construction of Subway A, Construction of Cycle Track
Portion C – Construction of Retaining Wall RW 11B, 11C, 12, 13 & 14, 15A
Resting Station R7
Portion D – Construction of Drainage Pipe, Construction of RW 15B, Stream Decking D1, D2 & D3
Portion E – Construction of Retaining Wall RW D4, D17, D18, D19, D20, D21, D22, D23, D24, D25 & D26, Construction of Drainage Pipe,
Portion F – Construction of Drainage Pipe, Construction of Retaining wall RW 43, Soil Treatment for RAP, Construction of Resting Station at Man Tin Cheung Park
Portion H – Construction of Retaining Wall RW 45A, 49, Construction of Drainage
Portion I – Construction of Subway D
Portion J – Construction of RW 46, 47, 48, 25, 26
Portion K – Construction of Retaining Wall RW 29A, 29B & 29C, 29AA Construction of Dwarf Wall, Construction of Drainage Pipe
Portion M – Construction of RW 30A, Construction of Pile Cap of Bridge E, Construction of Filled Slope
Shui Fu Road – Decontamination of soil

Environmental Monitoring Works

3. Environmental monitoring for the Project shall be performed in accordance with the EM&A Manual and the monitoring results were checked and reviewed. Site Inspections/Audits were conducted once per week. The implementation of the environmental mitigation measures, Event Action Plans and environmental complaint handling procedures were also checked.

4. Summary of the non-compliance in the reporting month for the Project is tabulated in **Table I**.

Table I Non-compliance Record for the Project in the Reporting Month

Parameter	No. of Exceedance		Action Taken
	Action Level	Limit Level	
Noise	0	0	N/A

Key Information in the Reporting Month

5. Summary of key information in the reporting month is tabulated in **Table II**.

Table II Summary Table for Key Information in the Reporting Month

Event	Event Details		Action Taken	Status	Remark
	Number	Nature			
Complaint received	0	---	N/A	N/A	---
Reporting Changes	0	---	N/A	N/A	---
Notifications of any summons & prosecutions received	0	---	N/A	N/A	---

Environmental License and Permits

6. Licenses/Permits granted to the Project include:
   - Environmental Permits (EP) for the Project,
     - EP-450/2013 issued on 30 May 2013 and EP-450/2013/A issued on 25 August 2015; and
     - EP-501/2015 issued on 2 September 2015
   - Billing Account for Waste Disposal (Acc No.: 7025411)

Future Key Issues

7. The future key environmental issues in the coming months include:

   - Wastewater and runoff generation on-site;
   - Regular removal of silt, mud and sand along u-channels and inside sedimentation tanks;
   - Review and implementation of temporary drainage system for the surface runoff;
   - Noise from operation of the equipment, especially for excavation works and machinery on-site;
   - Dust generation from stockpiles of dusty materials, exposed site area, excavation works and other dust-generating activities;
   - Water spraying for dust generating activities and on haul road;
   - Proper storage of construction materials on-site;
   - Storage of chemicals/fuel and chemical waste/ waste oil on-site;
   - Accumulation of general refuse and construction waste on-site; and
   - Protection measures for retained trees on-site.

1 INTRODUCTION

Background

1.1 "Construction of Cycle Tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River" (the EIA Report) is a Schedule 2 Designated Project (DP) under Environmental Impact Assessment Ordinance (EIAO). The Environmental Impact Assessment (EIA) Report (Registered No.: AEIAR-133/2009) and the associated Environmental Monitoring and Audit (EM&A) Manual was approved on 12 March 2009.

1.2 Civil Engineering and Development Department (CEDD) implemented the DP in two stages, i.e. Stage 1 and Stage 2. An Environmental Permit (EP) No. EP-450/2013 has been granted for Stage 1 works on 30 May 2013. Pursuant to Section 13 of the EIAO, the Director of Environmental Protection amends the Environmental Permit (No. EP-450/2013) based on the Application No. VEP-478/2015 and the EP (Permit No. EP-450/2013/A) was issued on 25 August 2015 to CEDD as the Permit Holder.

1.3 An Environmental Review (ER) Report of the "Construction of Cycle Tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River – Stage 2" had been prepared in July 2015 and the Environmental Monitoring and Audit Manual (EM&A Manual) was also included as part of the ER report in the application (Application No.: AEP-501-2015). An Environmental Permit No. EP-501/2015 was issued on 2 September 2015 for Stage 2 works to CEDD as the Permit Holder.

1.4 "Agreement No. CE 67/2015 (HY) Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works – Design and Construction" (hereinafter called the "Project") covers the Stage 1 (Part) and Stage 2 works of the DP. This Project was commissioned to Sang Hing – Kuly Joint Venture (hereinafter called the "Contractor") for "Contract No.: YL/2015/01 Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works". The site location and work programme are shown in **Figure 1a-1h** and **Appendix A** respectively.

1.5 Cinotech Consultants Ltd. was designated as the Environmental Team (ET) to undertake the Environmental Monitoring and Audit (EM&A) works for the Project. The construction commencement of the Project was on 23rd November 2016. This is the 23rd Monthly EM&A Report summarizing the EM&A works for the Project from 1 – 30 September 2018.

Project Organizations

1.6 Different parties with different levels of involvement in the project organization include:

- Project Proponent – Civil Engineering and Development Department (CEDD)
- Supervisor Representative – Mannings (Asia) Consultants Limited (Mannings)
- Environmental Team (ET) – Cinotech Consultants Limited (Cinotech)
- Independent Environmental Checker (IEC) – ANewR Consulting Limited (ANewR)
- Contractor – Sang Hing – Kuly Joint Venture (SKJV)

1.7 The Organizational Structure for Environmental Management is shown in **Figure 3**.

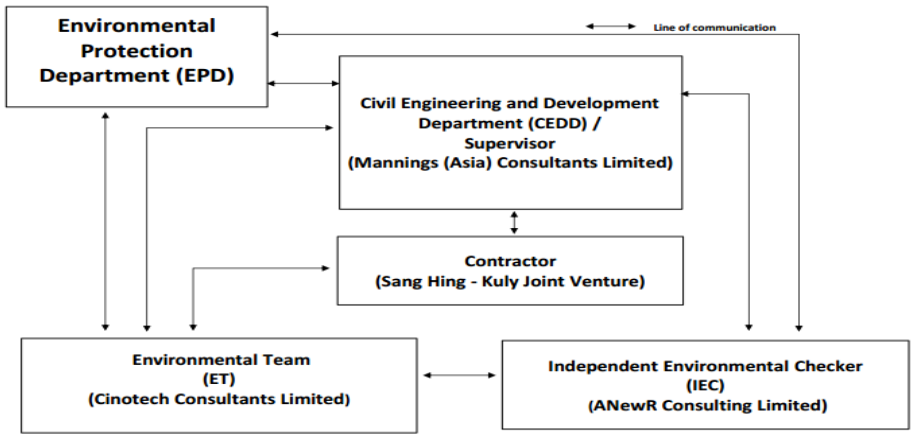


Figure 3 Organization Structure (Environmental Aspects)

1.8 The key contacts of the Project are shown in **Table 1.1**.

Table 1.1 Key Project Contacts

Party	Role	Contact Person	Phone No.	Fax No.
CEDD	Project Proponent	Mr. Chu Wai Lun, Thomas	2417 6370	2412 0358
Mannings	Supervisor Representative	Mr. Simon Ng	3168 2028	3168 2022
Cinotech	Environmental Team	Dr. Priscilla Choy	2151 2089	3107 1388
		Ms. Ivy Tam	2151 2090	
ANewR	Independent Environmental Checker	Mr. Adi Lee	2618 2836	3007 8648
SKJV	Contractor	Mr. Ma Kin Man	9552 1734	2890 8205

Construction Activities undertaken during the Reporting Month

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

Portion A – Construction of Cycle Track, Construction of Drainage Pipe
Portion B –Construction of Subway A, Construction of Cycle Track
Portion C – Construction of Retaining Wall RW 11B, 11C, 12, 13 & 14, 15A
Resting Station R7
Portion D – Construction of Drainage Pipe, Construction of RW 15B, Stream Decking D1, D2 & D3
Portion E – Construction of Retaining Wall RW D4, D17, D18, D19, D20, D21, D22, D23, D24, D25 & D26, Construction of Drainage Pipe,
Portion F – Construction of Drainage Pipe, Construction of Retaining wall RW 43, Soil Treatment for RAP, Construction of Resting Station at Man Tin Cheung Park
Portion H – Construction of Retaining Wall RW 45A, 49, Construction of Drainage
Portion I – Construction of Subway D
Portion J – Construction of RW 46, 47, 48, 25, 26

Portion K – Construction of Retaining Wall RW 29A, 29B & 29C, 29AA Construction of Dwarf Wall, Construction of Drainage Pipe
Portion M – Construction of RW 30A, Construction of Pile Cap of Bridge E, Construction of Filled Slope
Shui Fu Road – Decontamination of soil

1.10 Inter-relationship with environmental protection/mitigation measures are presented in **Table 1.2**.

Table 1.2 Construction Programme Showing the Inter-Relationship with Environmental Protection/Mitigation Measures

Construction Works	Major Environmental Impact	Control Measures
As mentioned in Section 1.9	Noise, dust impact, water quality and waste generation	• Sufficient watering of the works site with active dust emitting activities • Properly cover the stockpiles • On-site waste sorting and implementation of trip ticket system • Appropriate desilting/sedimentation devices provided on site for treatment with valid Discharge License before discharge • Well maintain the drainage system to prevent the spillage of wastewater during heavy rainfall • Use of quiet plant and well-maintained construction plant • Provide movable noise barrier • Proper wheel washing for construction vehicles before leaving the site • Provide sufficient mitigation measures as recommended in Approved EM&A Manual/Lease requirement

Summary of EM&A Requirements

1.11 The EM&A programme requires construction noise monitoring, air quality monitoring, landscape and visual monitoring and environmental site audit. The EM&A requirements for each parameter are described in the following sections, including:

- All monitoring parameters;
- Action and Limit levels for all environmental parameters;
- Event and Action Plans;
- Environmental mitigation measures, as recommended in the EIA Reports, Environmental Review Reports and EM&A Manuals

1.12 The advice on the implementation status of environmental protection and pollution control/mitigation measures is summarized in Section 8 of this report.

1.13 This report presents the monitoring results, observations, locations, equipment, period, methodology and QA/QC procedures of the required noise monitoring and audit works for the Project in 1 – 30 September 2018.

2 AIR QUALITY

Monitoring Requirements

2.1 According to the approved EM&A Manuals for Stage 1 works and Stage 2 works in Year 2015, no air quality monitoring is required for the Project.

2.2 Site audits were carried out on a weekly basis to monitor and audit the timely implementation of air quality mitigation measures within the site boundaries of this Project. The summaries of site audits are attached in **Appendix G**.

3 WATER QUALITY

Monitoring Requirements

3.1 According to the approved EM&A Manuals for Stage 1 works and Stage 2 works in Year 2015, no water quality monitoring is required for the Project.

3.2 Site audits were carried out on a weekly basis to monitor and audit the timely implementation of water quality mitigation measures within the site boundaries of this Project. The summaries of site audits are attached in **Appendix G**.

4 NOISE

Monitoring Requirements

4.1 In accordance with approved EM&A Manuals for Stage 1 works in Year 2015, no noise impact monitoring is required for Stage 1 works of the Project.

4.2 According to approved EM&A Manual for Stage 2 works (Year 2015), construction noise monitoring was conducted to monitor the construction noise arising from the construction activities under the Stage 2 works of the Project. The regular monitoring frequency for each monitoring station shall be on a weekly basis and conduct one set of measurements between 0700 and 1900 hours on normal weekdays. **Appendix B** shows the established Action and Limit Levels for the environmental monitoring works.

Monitoring Locations

4.3 Noise monitoring was conducted at 6 designated monitoring stations (N1, N2, N3, N5, N6 and N7) in the reporting month. **Figures 2a – 2c** shows the locations of these stations.

Table 4.1 Noise Monitoring Stations

Monitoring Stations	Locations	Location of Measurement
N1	HKMLC Wong Chan Sook Ying Memorial School	Rooftop (about 5/F) area
N2	Bethel High School	Rooftop (about 4/F) area
N3	No. 159 Mai Po San Tsuen	G/F area
N5	Block 2, Dills Corner Garden	G/F area
N6	Home of Loving Faithfulness	Rooftop (about 3/F) area
N7	Village House in Shek Wu Wai	G/F area

Monitoring Equipment

4.4 Integrating Sound Level Meter was used for impact noise monitoring. The meters are Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level (L_{eq}) and percentile sound pressure level (L_x) that also complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications.

4.5 Acoustic Calibrator was used to check the accuracy of the sound level meter. The calibrators generate a continuous and highly stable sound pressure level at known frequency of 1 kHz that also complied with IEC 942: 1988 Class 1 specifications. **Table 4.2** summarizes the noise monitoring equipment in reporting period. Copies of calibration certificates are provided in **Appendix C**.

Table 4.2 Noise Monitoring Equipment

Equipment	Model No.	Qty.
Integrating Sound Level Meter/ Sound & Vibration Analyser	SVAN 957, BSWA 801	3
Acoustic Calibrator	SV30A, B&K 4231	3

Monitoring Parameters and Frequency

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

Table 4.3 Frequency and Parameters of Noise Monitoring

Monitoring Stations	Parameter	Period	Frequency	Measurement
N1	L_{eq}(30 min.) dB(A) L_{10}(30 min.) dB(A) L_{90}(30 min.) dB(A)	0700-1900 hrs on normal weekdays	Once per week	Façade
N2				Façade
N3				Free Field
N5				Free Field
N6				Façade
N7				Free Field

Monitoring Methodology and QA/QC Procedures

4.7 The monitoring procedures are as follows:

- The monitoring station were normally be at a point 1m from the exterior of the sensitive receivers building façade and be at a position 1.2m above the ground.
- For free field measurement, the meter was positioned away from any nearby reflective surfaces. All records for free field noise levels were adjusted with a correction of +3 dB (A).
- The battery condition was checked to ensure the correct functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
  - Frequency weighting : A
  - Time weighting : Fast
  - Measurement time : 30 minutes
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement was considered invalid and repeat of noise measurement was required after re-calibration or repair of the equipment.
- At the end of the monitoring period, the L_{eq}, L_{90} and L_{10} were recorded. In addition, noise sources were recorded on a standard record sheet.
- Noise measurement would be paused temporarily during periods of high intrusive noise if possible and observation would be recorded when intrusive noise was not avoided.
- Noise monitoring would be cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s. supplementary monitoring would be provided to ensure sufficient data would be

obtained.

Maintenance and Calibration

4.8 The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.

4.9 The sound level meter and calibrator were checked and calibrated at yearly intervals.

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

Results and Observations

4.11 All construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. The summary of exceedance record in the reporting month is shown in **Appendix F**.

4.12 The baseline noise level and the Noise Limit Level at each designated noise monitoring stations are presented in **Table 4.5**.

4.13 Noise monitoring results and graphical presentations are shown in **Appendix E**.

4.14 The other noise sources identified which might affect the noise monitoring results at the designated noise monitoring stations are as follows:

Table 4.4 Other Noise Sources Identified Which Might Affect the Noise Monitoring Results

Monitoring Stations	Locations	Other Noise Source(s)
N1	HKMLC Wong Chan Sook Ying Memorial School	Road traffic noise Noise from daily school activities
N2	Bethel High School	Road traffic noise Noise from daily school activities
N3	No. 159 Mai Po San Tsuen	Road traffic noise
N5	Block 2, Dills Corner Garden	Road traffic noise
N6	Home of Loving Faithfulness	Road traffic noise Noise from activities at the premise and workshops near the premise
N7	Village House in Shek Wu Wai	Road traffic noise Noise from activities at workshops near the village house

Table 4.5 Baseline Noise Level and Noise Limit Level for Monitoring Stations

Station	Baseline Noise Level, dB (A)	Noise Limit Level, dB (A)
N1	62.2 (at 0700 – 1900 hrs on normal weekdays)	70* (at 0700 – 1900 hrs on normal weekdays)
N2	55.2 (at 0700 – 1900 hrs on normal weekdays)	
N3	68.8 (at 0700 – 1900 hrs on normal weekdays)	75 (at 0700 – 1900 hrs on normal weekdays)
N5	70.7 (at 0700 – 1900 hrs on normal weekdays)	75 (at 0700 – 1900 hrs on normal weekdays)
N6	72.0 (at 0700 – 1900 hrs on normal weekdays)	75 (at 0700 – 1900 hrs on normal weekdays)
M7	70.7 (at 0700 – 1900 hrs on normal weekdays)	75 (at 0700 – 1900 hrs on normal weekdays)

(*) Noise Limit Level is 65 dB(A) during school examination periods.

5 COMPARISON OF EM&A RESULTS WITH EIA PREDICTIONS

5.1 The EM&A data was compared with the predictions in EIA Report (Year 2009) and Environmental Review Report (ERR) for Stage 2 Works (Year 2015) as summarized in **Table 5.1**.

Table 5.1 Comparison of Noise Monitoring Data with Predictions in EIA Report and ERR

Stations	Predicted Mitigated Construction Noise Levels in EIA (2009), dB(A)	Predicted Mitigated Worst Case Construction Noise Levels in ERR for Stage 2 (2015), dB(A)	Reporting Month (September 18), $L_{eq\ (30min)}$ dB(A)
N1 - HKMLC Wong Chan Sook Ying Memorial School	55-62	62(1)	57.2 – 61.7
N2 – Bethel High School	57-64	64(1)	51.7 – 65.1
N3 – No. 159 Mai Po San Tsuen	70-73	74(2)	60.5 – 69.4
N5 – Block 2, Dills Corner Garden	73-75	75(2)	59.2 – 68.3
N6 – Home of Loving Faithfulness	64-73	74(1)	61.8 – 70.9
N7 – Village House in Shek Wu Wai	N/A(3)	70(2)	67.8 – 71.1

Remark:
(1) With adoptions of quiet PMEs, temporary noise barrier and enclosure
(2) With sub-grouping of construction activities
(3) No construction noise level was predicted in EIA Report (2009)

5.2 When comparing the noise monitoring results to the predicted mitigated construction noise levels in the EIA Report, the results at N1, N3, N5 and N6 were lower than the range of the predicted mitigated construction noise levels in the EIA Report. The result at N2 were slightly higher than the range of the predicted mitigated construction noise levels in the EIA Report.

5.3 When comparing the noise monitoring results to the predicted mitigated worst case construction noise levels in the ERR for Stage 2 Works, the results at monitoring stations N1, N3, N5 and N6 were lower than the predicted mitigated worst case construction noise levels in the ERR for Stage 2 Works. The noise monitoring result at monitoring station N2 and N7 were slightly higher than the predicted mitigated worst case construction noise levels in the ERR for Stage 2 Works.

6 ECOLOGY AND FISHERIES

6.1 In accordance with the EM&A Manuals for Stage 1 and Stage 2 works in Year 2015, no specific ecological or fisheries monitoring is required during the construction phase of the Project.

6.2 Site audits were carried out on a weekly basis to monitor and audit the timely implementation of ecology and fisheries mitigation measure. The summaries of site audits are attached in **Appendix G**.

7 LANDSCAPE AND VISUAL IMPACT

7.1 In accordance with the EM&A Manuals for Stage 1 and Stage 2 works in Year 2015, regular audits should be carried out to ensure all the recommended landscape and visual mitigation measures in EIA Report, Environmental Review Reports and EM&A Manuals were effectively implemented.

7.2 ET Site audits were carried out on a weekly basis to monitor and audit the timely implementation of landscape and visual mitigation measure. The summaries of site audits are attached in **Appendix G**.

8 ENVIRONMENTAL AUDIT

Site Audits

8.1 Site audit was carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site. The summaries of site audits are attached in **Appendix G**.

8.2 Site audits were conducted on 5, 12, 19 and 28 September 2018 in the reporting month. IEC joint site inspection was conducted on 28 September 2018. No non-compliance was observed during the site audit.

Review of Environmental Monitoring Procedures

8.3 The monitoring works conducted by the monitoring were inspected regularly. The following observations have been recorded for the monitoring works:

Noise Monitoring

- The monitoring team recorded all observations around the monitoring stations, which might affect the monitoring result.
- Major noise sources were identified and recorded. Other intrusive noise attributing to the result was trimmed off by pausing the monitoring temporarily.

Statues of Environmental Licensing and Permitting

8.4 All permits/licenses obtained for the Project are summarized in **Table 8.1**.

Table 8.1 Summary of Environmental Licensing and Permit Status

Permit No.	Valid Period		Details	Status
	From	To		
Environmental Permit (EP)				
EP-450/2013/A	25/08/2015	N/A	Construction of Cycle Tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River – Stage 1	Valid
EP-501/2015	02/09/2015	N/A	Construction of Cycle Tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River – Stage 2	Valid
Billing Account for Construction Waste Disposal				
A/C No.: 7025411	N/A	N/A	Billing Account for construction waste disposal under Waste Disposal (Charges for Disposal of Construction Waste) Regulation	Valid
Effluent Discharge License				
WT00027672-2017	--	31/3/2022	Discharge License for the discharge of wastewater from the construction site including contaminated surface run-off to the communal storm water drain	Valid
WT00027661-2017				
WT00027606-2017				
WT00027510-2017				
WT00027509-2017				
WT00027603-2017				

Permit No.	Valid Period		Details	Status
	From	To		
WT00027508-2017				
WT00027584-2017		31/7/2019		
WT00027431-2017		30/6/2020		
WT00027605-2017		31/3/2022		
WT00027607-2017				
WT00027834-2017		30/4/2022		
WT00028748-2017	17/08/2017	31/08/2022		
WT00028850-2017	14/08/2017	31/08/2022		
WT00030236-2018	7/02/2018	28/02/2023		
Registration of Chemical Waste Producer				
No.:WPN5213-524-K3261-01	--	N/A	Registration of chemical waste producer for chemical waste produced during construction of Cycle Tracks and the Associated Supporting Facilities from Sha Po Tsuen to Shek Sheung River – Stage 2	Valid
Construction Noise Permit (CNP)				
--	--	--	--	--

Status of Waste Management

8.5 The amount of wastes generated by the major site activities of this Project during the reporting month is shown in **Appendix K**.

8.6 In respect of the dump truck cover, the Contractor is advised to take record photos and inspection to ensure that all dump trucks have fully covered the skip before leaving the site.

Implementation Status of Environmental Mitigation Measures

8.7 According to the Environmental Review Reports, Environmental Permits and the EM&A Manuals of the Project, the mitigation measures detailed in the documents are recommended to be implemented during the construction phase. An updated summary of the Environmental Mitigation Implementation Schedule (EMIS) is provided in **Appendix I**.

8.8 During site inspections in the reporting month, no non-conformance was identified. The ET weekly site inspections were carried out during the reporting month and the observations and recommendations are summarized in **Table 8.2**. Refer to **Appendix G** for the site inspection checklists in the reporting month.

Table 8.2 Observations and Recommendations of Site Audit

Parameters	Date	Observations and Recommendations	Follow-up
Water Quality	--	--	--
Air Quality	15, 21, 29 August 2018	To keep site entrance clean and free from dust at Portion J.	The condition was observed to be improved/rectified by the contractor during the audit session on 5 September 2018
	29 August 2018	To keep site entrance clean and free from dust at Portion C.	The condition was observed to be improved/rectified by the contractor during the audit session on 5 September 2018
	5 September 2018	To keep site entrance clean and free from dust at Portion B.	The condition was observed to be improved/rectified by the contractor during the audit session on 12 September 2018
	12 September 2018	To keep site entrance clean and free from dust at Portion C.	The condition was observed to be improved/rectified by the contractor during the audit session on 19 September 2018
Noise	N/A	There was no observation in the reporting period.	N/A
Waste/ Chemical Management	26 July, 1, 8, 15, 21, 29 August, 5, 12, 19 September 2018	Clear the mud/oily water at the drip tray as chemical waste at WA3.	The condition was observed to be improved/rectified by the contractor during the audit session on 28 September 2018
	26 July, 1, 8, 15, 21, 29 August, 5, 12, 19, 28 September 2018	Clear the oil stains as chemical waste at WA3.	Follow up actions will be reported in the next month.

Parameters	Date	Observations and Recommendations	Follow-up
	8, 15, 21, 29 August, 5, 12, 19, 28 September 2018	To provide skip/rubbish bins at Portion C.	Follow up actions will be reported in the next month.
	15, 21, 29 August, 5, 12, 19, 28 September 2018	To provide drip tray for the chemical containers at Portion E.	Follow up actions will be reported in the next month.
	15, 21, 29 August 2018	To clear the accumulated debris at Portion J.	The condition was observed to be improved/rectified by the contractor during the audit session on 5 September 2018
	29 August, 5, 12 September 2018	To provide drip tray for the chemical containers at Portion C.	The condition was observed to be improved/rectified by the contractor during the audit session on 19 September 2018
	28 September 2018	Clear the muddy water at the drip tray as chemical waste at near Subway D.	Follow up actions will be reported in the next month.
Ecology and Fisheries	N/A	There was no observation in the reporting period.	N/A
Landscape and Visual	26 July, 1, 8, 15, 21, 29 August, 5, 12, 19, 28 September 2018	To set up a proper tree protection zone at WA3.	Follow up actions will be reported in the next month.
Permits/ Licenses	N/A	There was no observation in the reporting period.	N/A

Implementation Status of Event and Action Plans

8.9 The Event and Action Plan for noise is presented in **Appendix H**.

Construction Noise

8.10 No Action/Limit Level exceedance was recorded in the reporting month.

Summary of Complaint, Warning, Notification of any Summons and Successful Prosecution

8.11 The summaries of environmental complaint, warning, summon and notification of successful prosecution for the Project is presented in **Appendix J**.

9 FUTURE KEY ISSUES

9.1 Major site activities undertaken for the coming months include:

Portion A – Construction of Cycle Track, Construction of Drainage Pipe
Portion B –Construction of Subway A, Construction of Cycle Track, Construction of Bicycle Parapet Footing
Portion C – Construction of Retaining Wall RW 11A, 11B, 11C, 12, 13 & 14, 15A Resting Station R7
Portion D – Construction of Drainage Pipe, Construction of RW 15B, 15C, Stream Decking D1, D2 & D3
Portion E – Construction of Retaining Wall RW D2, D4, D5, D7, D17, D18, D19, D20, D21,D22, D23, D24& D25,D26, D26ABC Construction of Drainage Pipe
Portion F – Construction of Drainage Pipe, Construction of Retaining wall RW 43, Soil Treatment for RAP, Construction of Resting Station at Man Tin Cheung Park, Construction of Resting Station R7
Portion H – Construction of Retaining Wall RW 45A, 49, DW1 & DW2 Construction of Drainage, Construction of Retaining Wall RW D1, D2
Portion I – Construction of Subway D
Portion J – Construction of RW 46, 47, 48, 24, 25, 26, Construction of Stream Decking D8
Portion K – Construction of Retaining Wall RW 29A, 29B & 29C, 29AA, Construction of Drainage Pipe, Construction of Cycle Track
Portion M – Construction of RW 30A, Construction of Bridge E, Implementation of Temporary Drainage Management Plan, Construction of Ramp of Bridge E and adjacent access road
Shui Fu Road – Decontamination of soil

9.2 Key environmental issues in the coming months include:

- Wastewater and runoff generation on-site;
- Regular removal of silt, mud and sand along u-channels and inside sedimentation tanks;
- Review and implementation of temporary drainage system for the surface runoff;
- Noise from operation of the equipment, especially for excavation works and machinery on-site;
- Dust generation from stockpiles of dusty materials, exposed site area, excavation works and other dust-generating activities;
- Water spraying for dust generating activities and on haul road;
- Proper storage of construction materials on-site;
- Storage of chemicals/fuel and chemical waste/waste oil on-site;
- Accumulation of general refuse and construction waste on-site; and
- Protection measures for retained trees.

9.3 The tentative program of major site activities and the impact prediction and control measures for the coming months, i.e. October 2018 to November 2018, are summarized as follows:

Construction Works	Major Impact Prediction	Control Measures
As mentioned in Section 9.1	Air quality impact (dust)	(a) Frequent watering of haul road and unpaved/exposed areas; (b) Frequent watering or covering stockpiles with tarpaulin or similar means; and (c) Watering of any earth moving activities.
	Water quality impact (surface run-off)	(d) Diversion of the collected effluent to de-silting facilities for treatment in compliance with valid Discharge License prior to discharge to public storm water drains; (e) Provision of adequate de-silting facilities for treating surface run-off and other collected effluents prior to discharge; (f) Provision of perimeter protection such as sealing of hoarding footings to avoid run-off from entering the existing storm water drainage system via public road; and (g) Provision of measures to prevent discharge into the stream.
	Noise impact	(h) Scheduling of noisy construction activities if necessary to avoid persistent noisy operation; (i) Controlling the number of plants use on site; (j) Regular maintenance of machines (k) Use of quiet PMEs on-site; and (l) Use of acoustic barriers and noise enclosure if necessary.
	Landscape and Visual	(m) Proper setup of precautionary area for retained trees.

Monitoring Schedule for the Next Month

9.4 The tentative environmental monitoring schedules for the next month are shown in **Appendix D**.

10 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

10.1 Environmental monitoring works were performed in the reporting month and all monitoring results were checked and reviewed.

Construction Noise Monitoring

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

Site Audit

10.3 4 times of ET joint weekly environmental site inspections were conducted in the reporting month.

Complaint and Prosecution

10.4 No environmental complaints and environmental prosecution was received in the reporting month.

10.5 No environmental prosecution was received in the reporting month.

Recommendations

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

Air Quality

- Water spraying should be provided frequently to unpaved and exposed area, and haul roads for dust suppression.
- Proper tarpaulin coverage should be provided to all stockpiles in the Site to prevent dust generation.

Water Quality

- Wheel washing bays in all Portions within the Site should be maintained as far as practicable by means of removing silty water or using cleaner water in order to enhance the effectiveness of wheel washing in every portion within the Site.
- Embankment or dikes should be established at the site boundary to direct any untreated wastewater from the Site to wastewater treatment facility during rain events to perform water treatment before discharge.
- Standing or ponding water within the Site should be cleared as far as practicable.

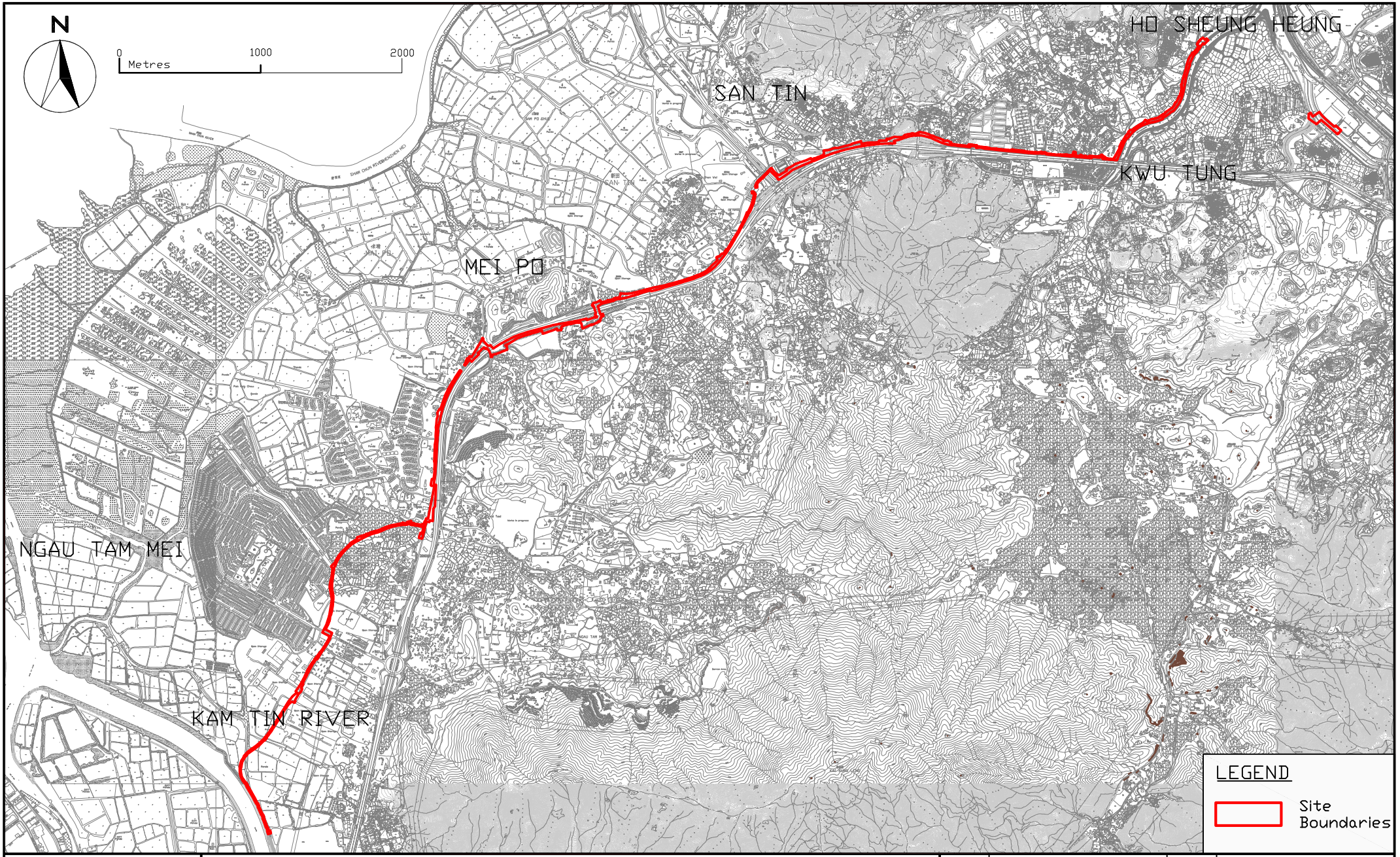
Waste/Chemical Management

- General refuse should be removed regularly to prevent accumulation on-site. Proper enclosed bin should be provided with maintenance for collection of general refuse from workforce.
- Drip tray should be provided to oil/chemical containers and generator to avoid oil leakage. Any oil stain observed on ground should be properly removed as chemical waste.

Landscape and Visual

- Adequate tree protection zones should be established to protect retained and existing trees. Conspicuous signs of status of trees should be clearly shown to avoid damage from PMEs or workers.

FIGURES

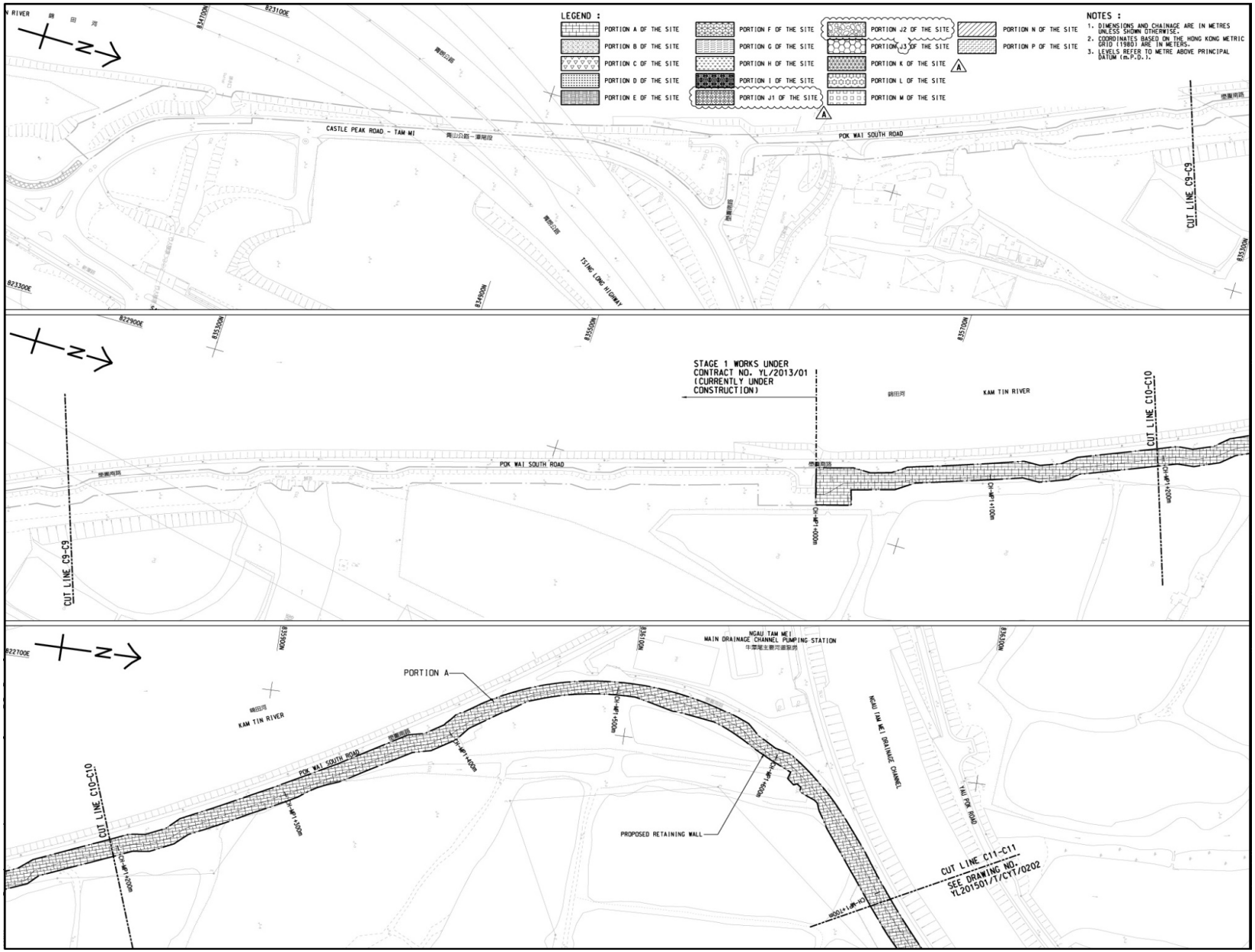


CINOTECH
Cinotech Consultants Limited

Agreement No. CE 67/2015(HY) – Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works – Design and Construction

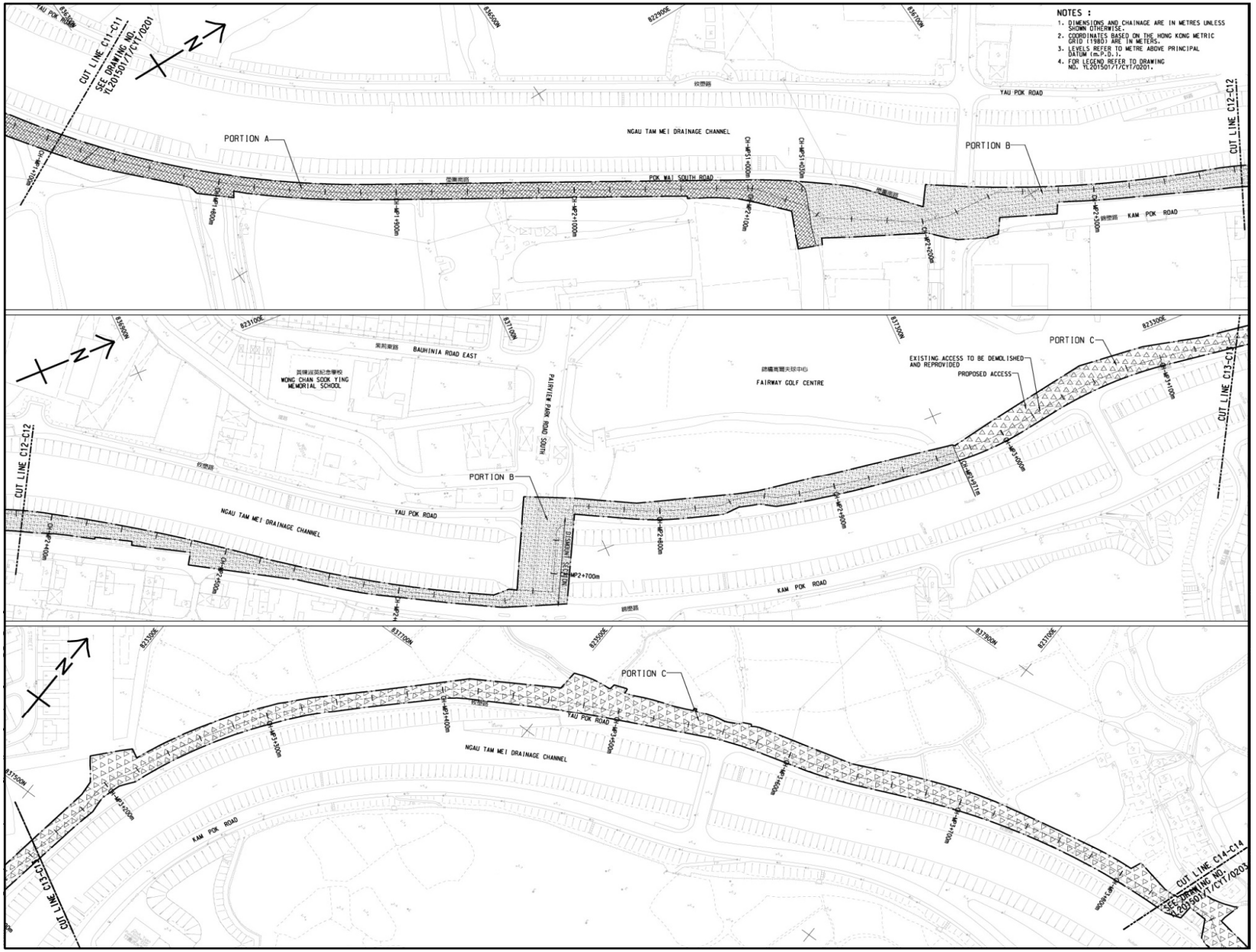
SITE LAYOUT PLAN

SCALE	A4 1:35m	DATE	Aug 2016
CHECK	JL	DRAWN	VW
JOB No.	MA16036	FIGURE NO.	1a
		REV	–



Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S Date Dec-16	Project No. MA16036 Figure 1b

CINOTECH

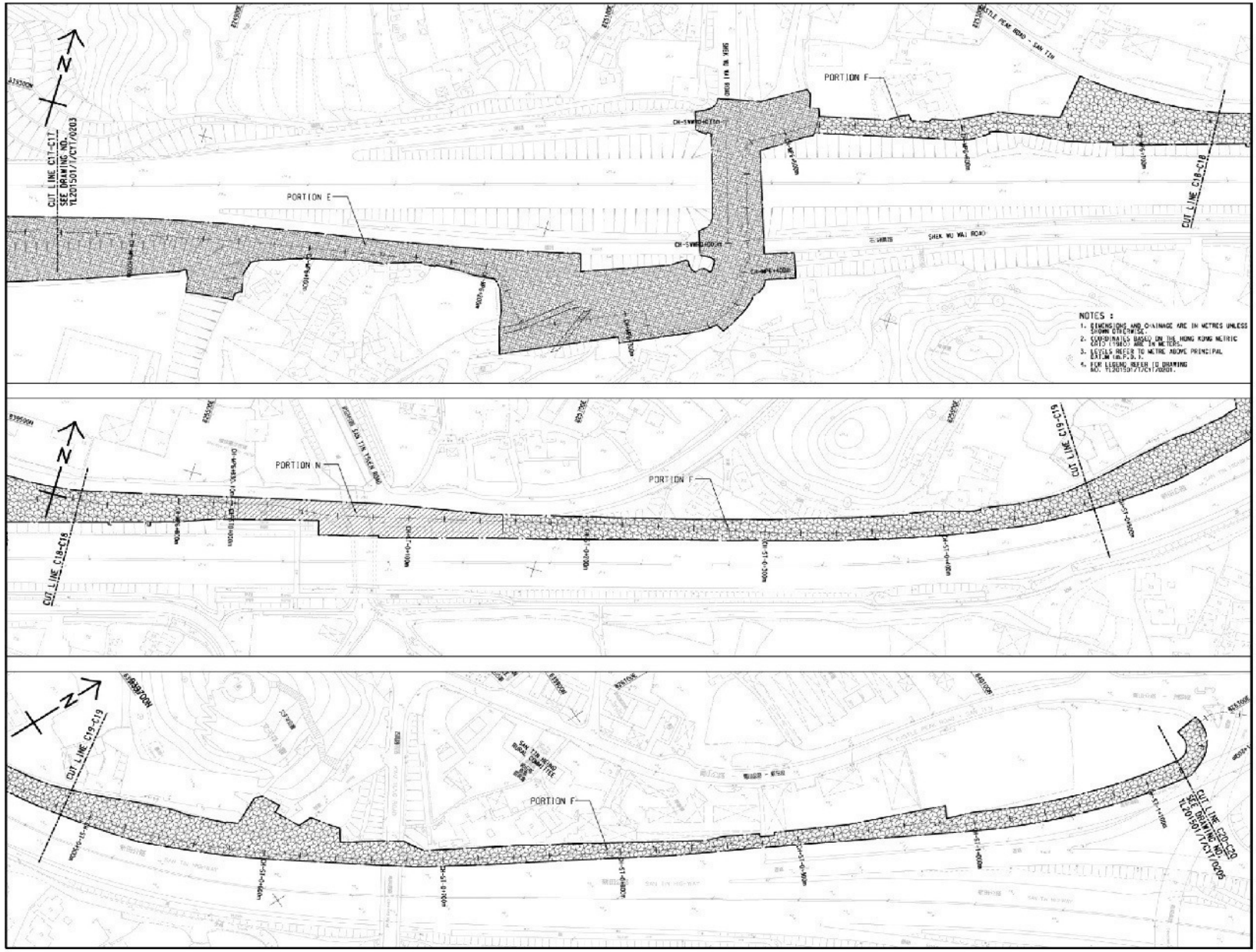


Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S Date Dec-16	Project No. MA16036 Figure 1c

CINOTECH

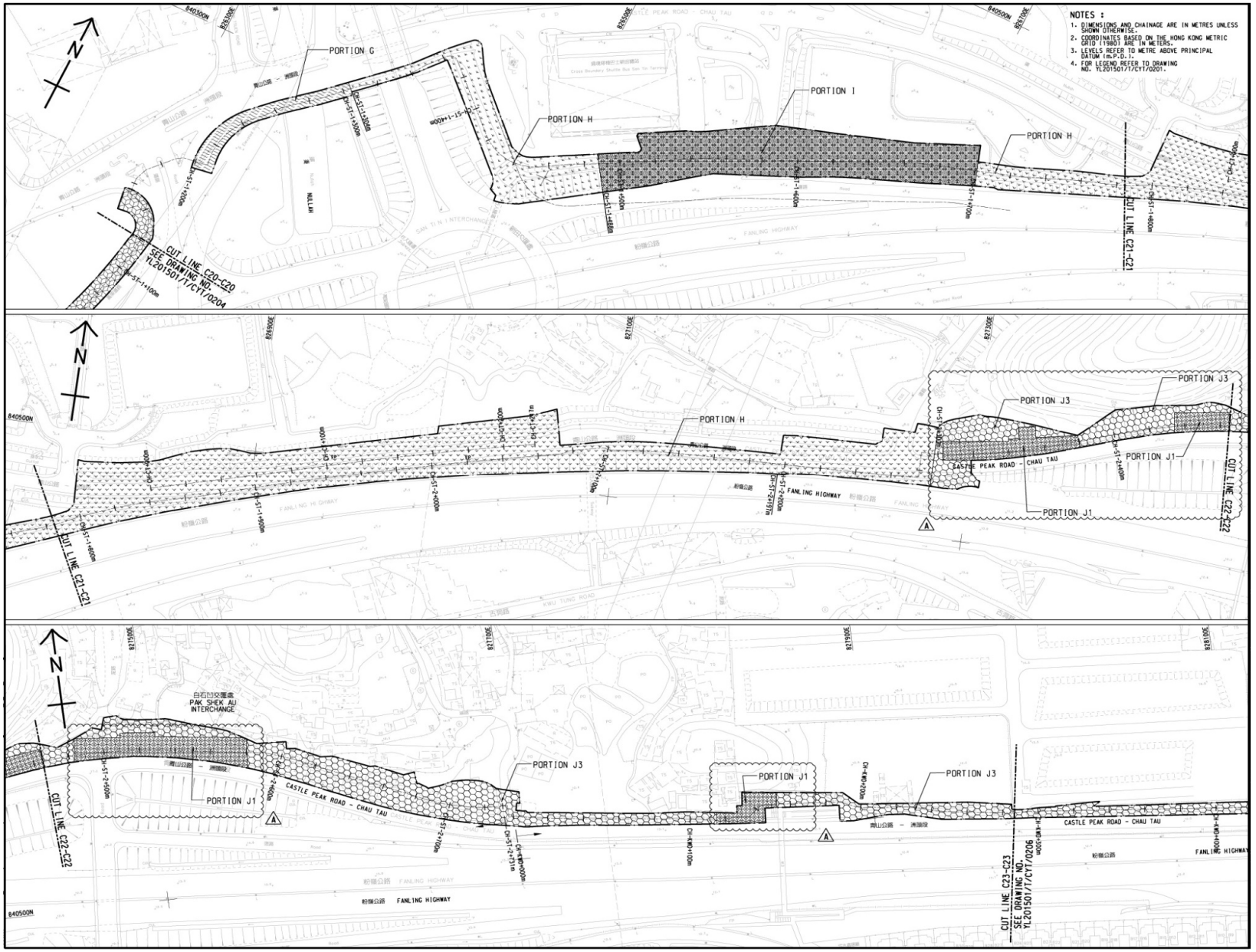
Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S Date Dec-16	Project No. MA16036 Figure 1d

CINOTECH



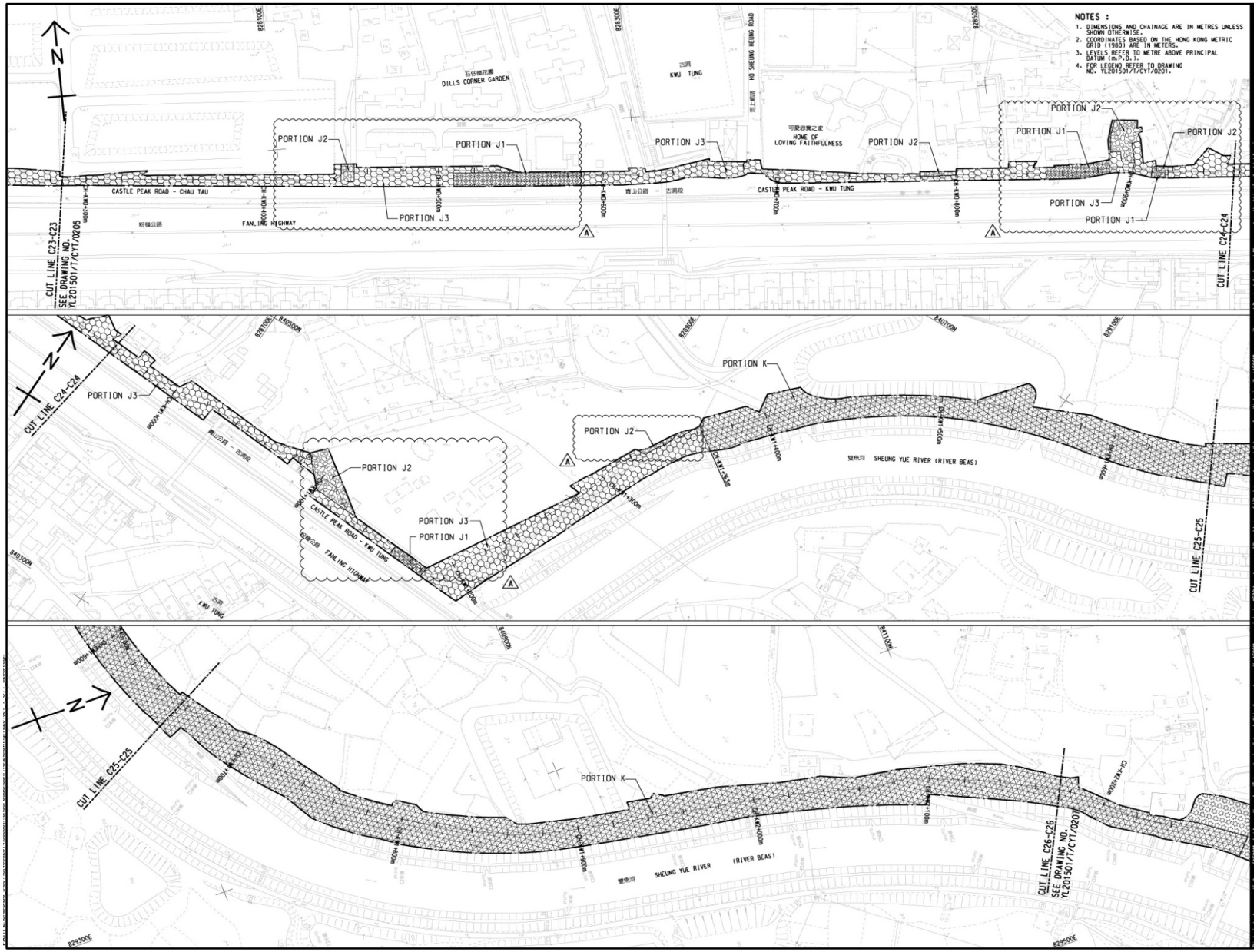
Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale: N.T.S Date: Dec-16	Project No.: MA16036 Figure: 1e

CINOTECH



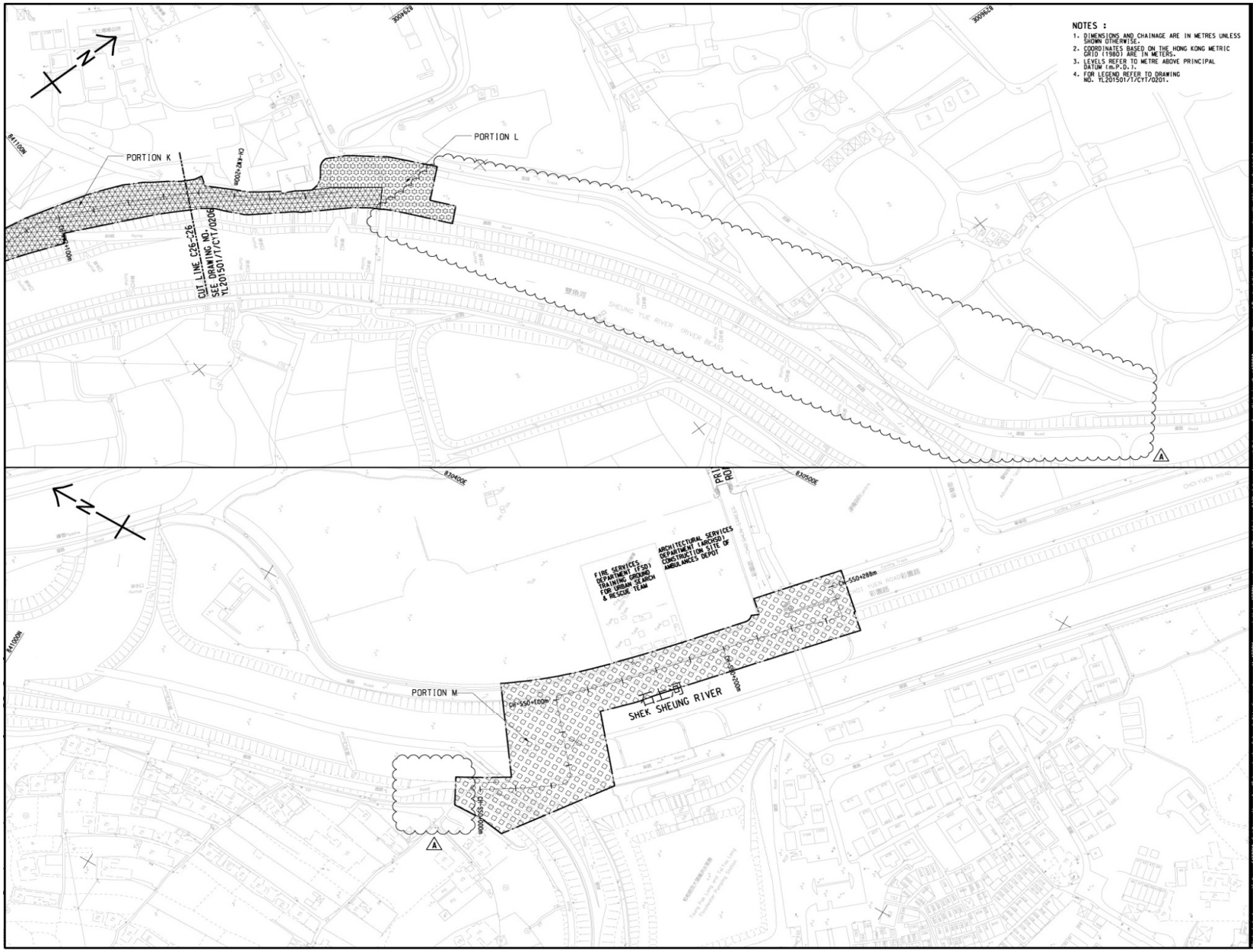
Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S Date Dec-16	Project No. MA16036 Figure 1f

CINOTECH

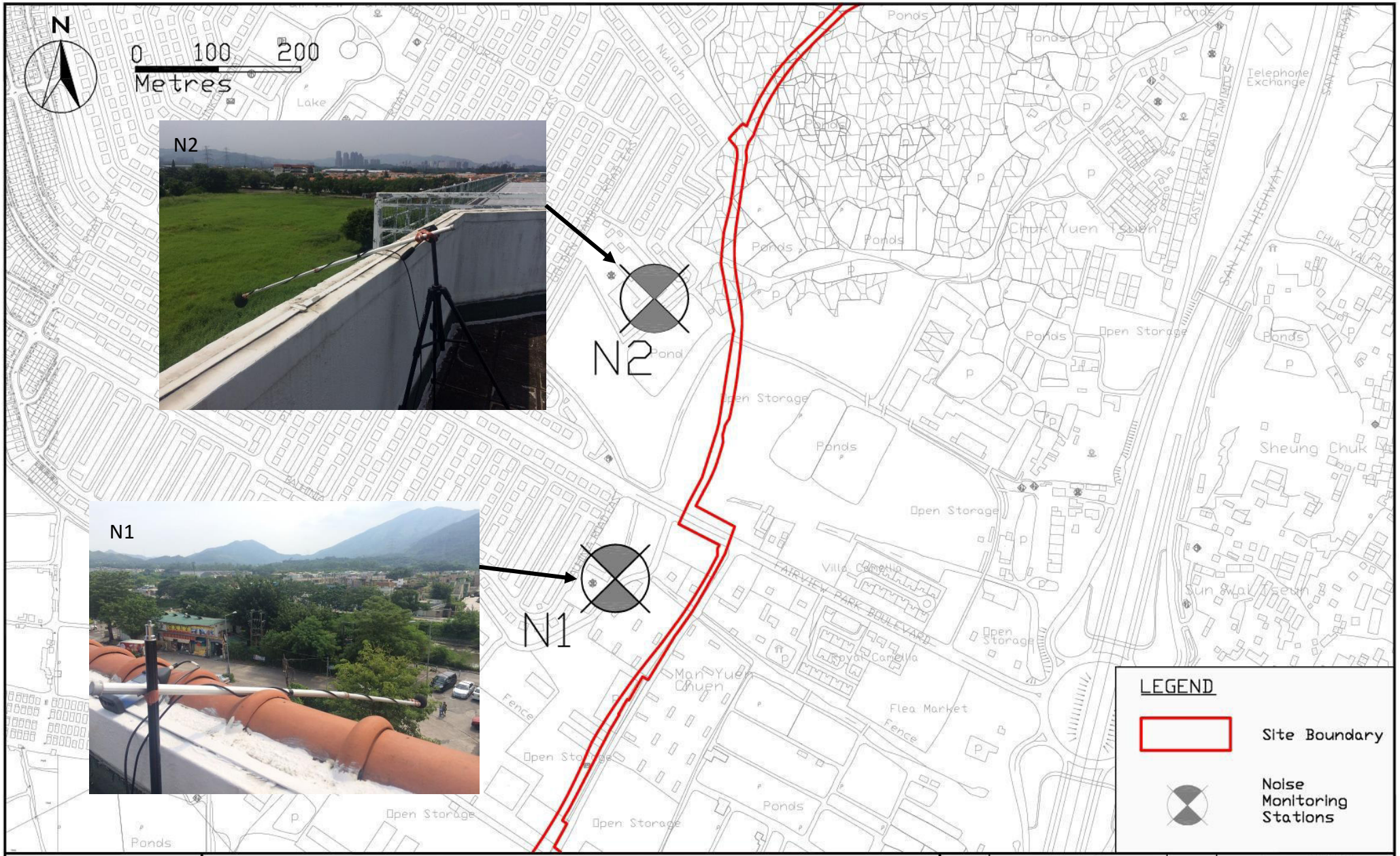


Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S Date Dec-16	Project No. MA16036 Figure 1g

CINOTECH



Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S	Project No. MA16036	CINOTECH
		Date Dec-16	Figure 1h	



CINOTECH
Cinotech Consultants Limited

Agreement No. CE 67/2015(HY) - Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction

Locations of the Noise Monitoring Stations (N1, N2)

SCALE	A4 1:6m	DATE	Aug 2016
CHECK	JL	DRAWN	VW
JOB No.	MA16036	FIGURE NO.	2a
		REV	–

N

0 100 200

Metres

N3

N7

LEGEND

Site Boundary

Noise Monitoring Stations

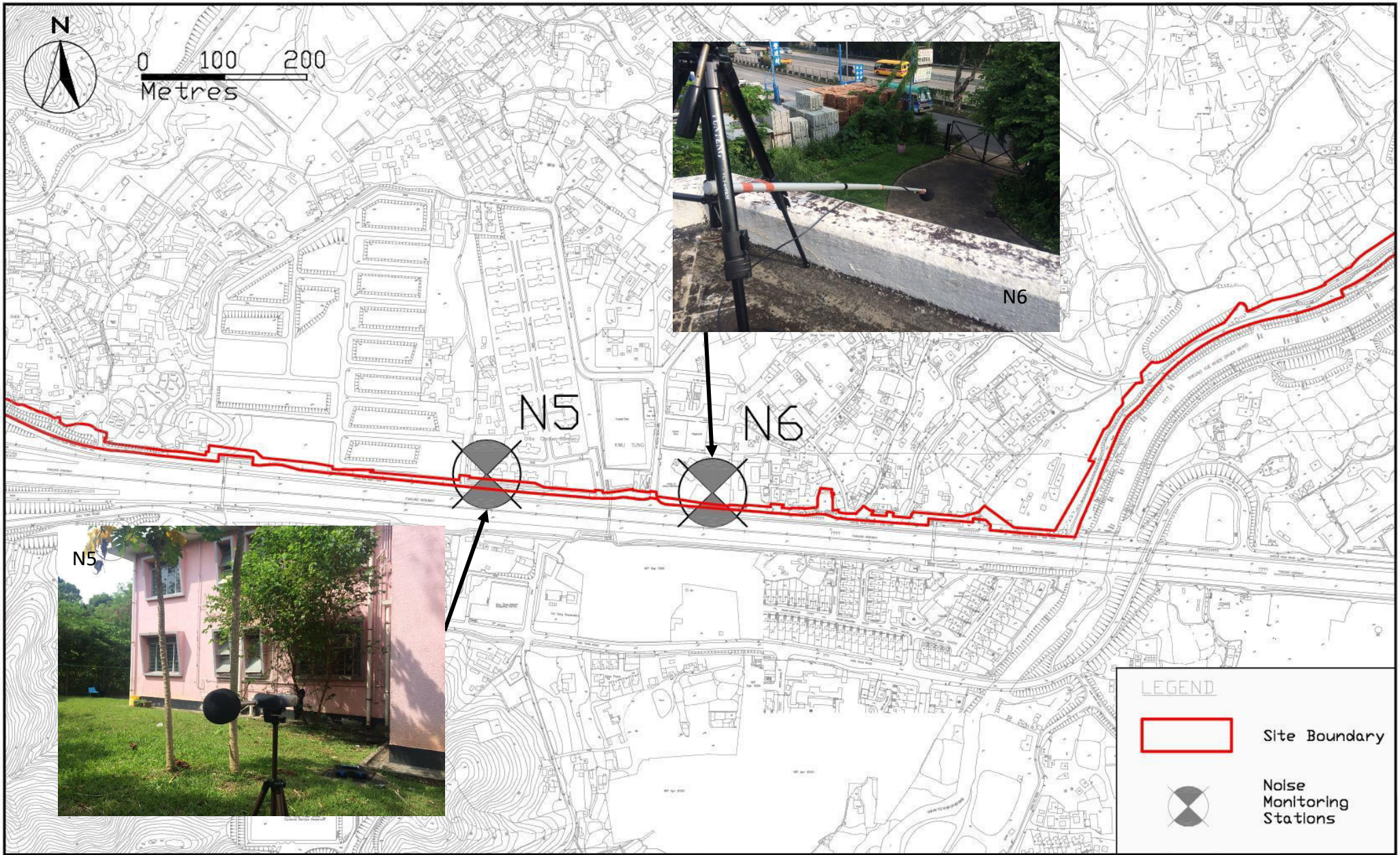
CINOTECH

Cinotech Consultants Limited

Agreement No. CE 67/2015(HY) - Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction

Locations of the Noise Monitoring Stations (N3, N7)

SCALE	A4 1:6m	DATE	Aug 2016
CHECK	JL	DRAWN	VW
JOB No.	MA16036	FIGURE NO.	2b
		REV	-



CINOTECH
Cinotech Consultants Limited

Agreement No. CE 67/2015(HY) - Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction

Locations of the Noise Monitoring Stations (N5, N6)

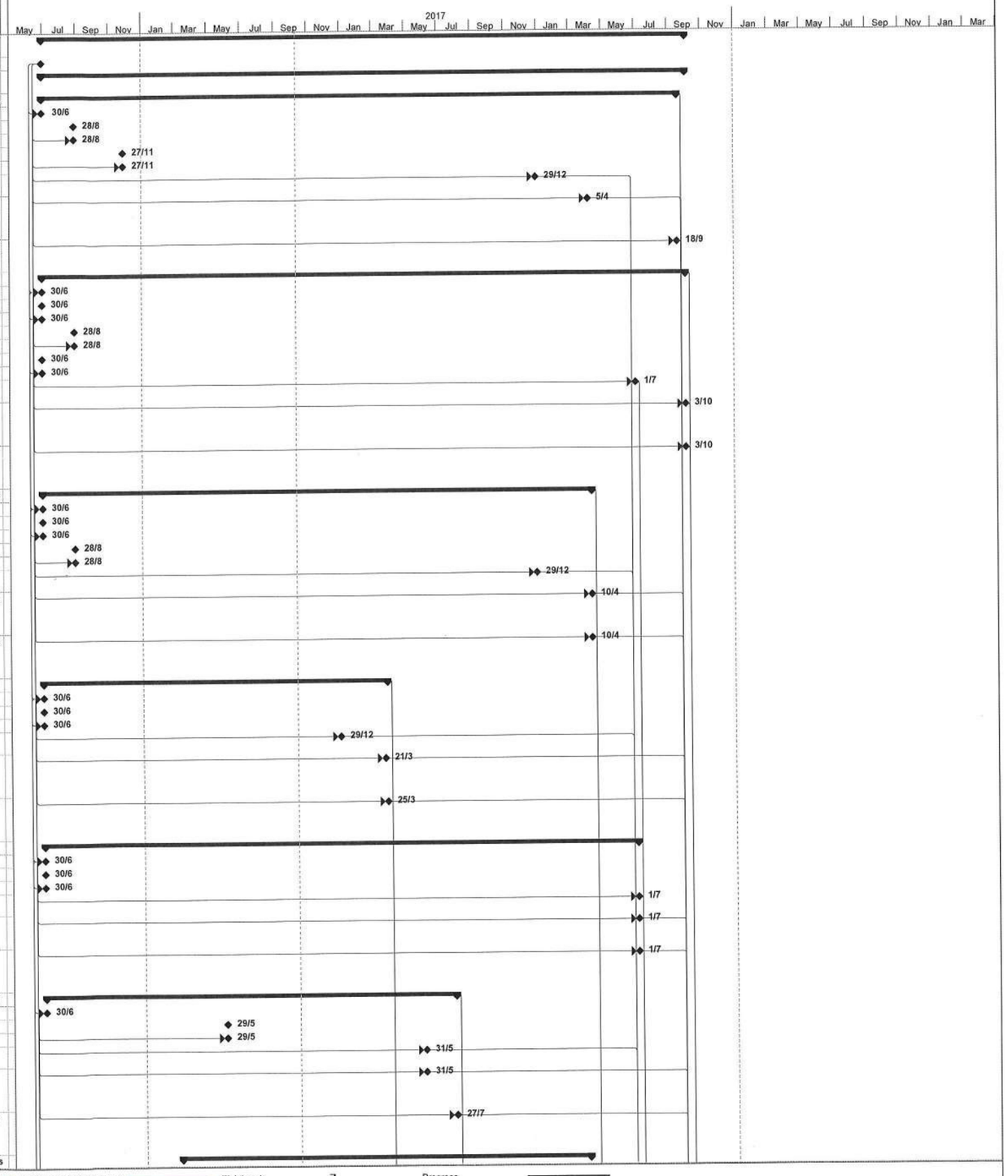
SCALE	A4 1:6m	DATE	Aug 2016
CHECK	JL	DRAWN	VW
JOB No.	MA16036	FIGURE NO.	2c
		REV	–

APPENDIX A
WORK PROGRAMME

CEDD CONTRACT NO. YL/2015/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - REMAINING WORKS
UPDATE ACCEPTED PROGRAMME

SANG HING - KULY JOINT VENTURE
29 SEPT 2017

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack	R N
1	**100000**	**CONTRACT DURATION (ALL WORKS EXCEPT LANDSCAPING AND ESTABLISHMENT)**	**1191 days**	**0 day**	**Thu 30/6/16**	**Thu 3/10/19**	-	-		**0%**	**671 days**	
2	100010	COMMENCEMENT OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16		0%	0 days	
3	**100020**	**ACCESS DATES AND COMPLETION DATES FOR CONTRACTS**	**1191 days**	**0 day**	**Thu 30/6/16**	**Thu 3/10/19**	-	-		**0%**	**671 days**	
4	**100030**	**SECTION W1 (PORTION A,B,C & D)**	**1176 days**	**0 day**	**Thu 30/6/16**	**Wed 18/9/19**	-	-		**0%**	**-262 days**	
5	**100040**	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	0%	0 days	
6	100050	**PORTION A & C**	**0 days**	**0 day**	**Sun 28/8/16**	**Sun 28/8/16**	-	-		**0%**	**0 days**	
7	**100060**	ACCESS DATE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	5SS+60 days	0%	0 days	
8	100070	**PORTION B & D**	**0 days**	**0 day**	**Sun 27/11/16**	**Sun 27/11/16**	-	-		**0%**	**0 days**	
9	100080	ACCESS DATE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	5SS+151 days	0%	0 days	
10	100085	SECTION W1 ORIGINAL COMPLETION DATE (913 days)	0 days	0 day	Sat 29/12/18	Sat 29/12/18	NA	NA	5SS+913 days	0%	0 days	
11	100900	SECTION W1 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER TILL JULY 2017 (=913 days + 97 days)	0 days	0 day	Fri 5/4/19	Fri 5/4/19	NA	NA	5SS+1010 days	0%	-96 days	
12	100095	SECTION W1 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFET TILL JULY 2017 & OTHERS (=913 days + 263 days)	0 days	0 day	Wed 18/9/19	Wed 18/9/19	NA	NA	5SS+1176 days	0%	-262 days	
13	**100100**	**SECTION W2 (PORTION E, F, G, H, I & N)**	**1191 days**	**0 day**	**Thu 30/6/16**	**Thu 3/10/19**	-	-		**0%**	**-94 days**	
14	100110	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	0%	0 days	
15	**100120**	**PORTION G, I & N**	**0 days**	**0 day**	**Thu 30/6/16**	**Thu 30/6/16**	-	-		**0%**	**0 days**	
16	100130	ACCESS DATE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	14SS	0%	0 days	
17	**100140**	**PORTION E & H**	**0 days**	**0 day**	**Sun 28/8/16**	**Sun 28/8/16**	-	-		**0%**	**0 days**	
18	100150	ACCESS DATE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	14SS+60 days	0%	0 days	
19	100160	**PORTION F**	**0 days**	**0 day**	**Thu 30/6/16**	**Thu 30/6/16**	-	-		**0%**	**0 days**	
20	**100170**	ACCESS DATE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	14SS	0%	0 days	
21	100175	SECTION W2 ORIGINAL COMPLETION DATE (1097 days)	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	14SS+1097 days	0%	0 days	
22	100180	SECTION W2 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER TILL AUG 2017 (=1097 days + 94 days)	0 days	0 day	Thu 3/10/19	Thu 3/10/19	NA	NA	14SS+1191 days	0%	-94 days	
23	100185	SECTION W2 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER TILL AUG 2017 & OTHERS (=1097 days + 94 days)	0 days	0 day	Thu 3/10/19	Thu 3/10/19	NA	NA	14SS+1191 days	0%	-94 days	
24	100190	**SECTION W3 (PORTION K, J1)**	**1015 days**	**0 day**	**Thu 30/6/16**	**Wed 10/4/19**	-	-		**0%**	**-101 days**	
25	**100200**	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	0%	0 days	
26	100210	**PORTION K**	**0 days**	**0 day**	**Thu 30/6/16**	**Thu 30/6/16**	-	-		**0%**	**0 days**	
27	100220	ACCESS DATE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	25SS	0%	0 days	
28	**100230**	**PORTION J1**	**0 days**	**0 day**	**Sun 28/8/16**	**Sun 28/8/16**	-	-		**0%**	**0 days**	
29	**100240**	ACCESS DATE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	25SS+60 days	0%	0 days	
30	100245	SECTION W3 ORIGINAL COMPLETION DATE (913 days)	0 days	0 day	Sat 29/12/18	Sat 29/12/18	-	-	25SS+913 days	0%	0 days	
31	100250	SECTION W3 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER TILL AUG 2017 (=913 days + 102 days)	0 days	0 day	Wed 10/4/19	Wed 10/4/19	-	-	25SS+1015 days	0%	-101 days	
32	100255	SECTION W3 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER TILL AUG 2017 & OTHERS (=913 days + 102 days)	0 days	0 day	Wed 10/4/19	Wed 10/4/19	-	-	25SS+1015 days	0%	-101 days	
33	100260	**SECTION W4**	**634 days**	**0 day**	**Thu 30/6/16**	**Sun 25/3/18**	-	-		**0%**	**-84 days**	
34	**100270**	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	0%	0 days	
35	**100280**	**PORTION L**	**0 days**	**0 day**	**Thu 30/6/16**	**Thu 30/6/16**	-	-		**0%**	**0 days**	
36	100290	ACCESS DATE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	34SS	0%	0 days	
37	100295	SECTION W4 ORIGINAL COMPLETION DATE (548 days)	0 days	0 day	Fri 29/12/17	Fri 29/12/17	NA	NA	34SS+548 days	0%	0 days	
38	100300	SECTION W4 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT FOR INCLEMENT WEATHER TILL AUG 2017(=548 days + 82 days)	0 days	0 day	Wed 21/3/18	Wed 21/3/18	NA	NA	34SS+630 days	0%	-80 days	
39	100305	SECTION W4 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT FOR INCLEMENT WEATHER TILL JULY 2017& OTHERS (=548 days + 86 days)	0 days	0 day	Sun 25/3/18	Sun 25/3/18	NA	NA	34SS+634 days	0%	-84 days	
40	**100310**	**SECTION W5**	**1097 days**	**0 day**	**Thu 30/6/16**	**Mon 1/7/19**	-	-		**0%**	**0 days**	
41	100320	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	0%	0 days	
42	100330	**PORTION M**	**0 days**	**0 day**	**Thu 30/6/16**	**Thu 30/6/16**	-	-		**0%**	**0 days**	
43	100335	ACCESS DATE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	41SS	0%	0 days	
44	100340	SECTION W5 ORIGINAL COMPLETION DATE (1097 days)	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	41SS+1097 days	0%	0 days	
45	100345	SECTION W5 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT FOR INCLEMENT WEATHER TILL JULY 2017 (=1097 days)	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	41SS+1097 days	0%	0 days	
46	100350	SECTION W5 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT FOR INCLEMENT WEATHER TILL JULY 2017 & OTHERS (=1097 days)	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	41SS+1097 days	0%	0 days	
47	**100360**	**SECTION W6**	**758 days**	**0 day**	**Thu 30/6/16**	**Fri 27/7/18**	-	-		**0%**	**-57 days**	
48	100370	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	0%	0 days	
49	100380	**PORTION P**	**0 days**	**0 day**	**Mon 29/5/17**	**Mon 29/5/17**	**Tue 25/7/17**	**Tue 25/7/17**		**0%**	**0 days**	
50	100385	ACCESS DATE	0 days	0 day	Mon 29/5/17	Mon 29/5/17	Tue 25/7/17	Tue 25/7/17	48SS+334 days	0%	0 days	
51	100390	SECTION W6 ORIGINAL COMPLETION DATE (701 days)	0 days	0 day	Thu 31/5/18	Thu 31/5/18	NA	NA	48SS+701 days	0%	0 days	
52	100395	SECTION W6 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT FOR INCLEMENT WEATHER TILL JULY 2017 (=701 days)	0 days	0 day	Thu 31/5/18	Thu 31/5/18	NA	NA	48SS+701 days	0%	0 days	
53	100400	SECTION W6 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT FOR INCLEMENT WEATHER TILL JULY 2017 & OTHERS (=701 days + 58 days)	0 days	0 day	Fri 27/7/18	Fri 27/7/18	NA	NA	48SS+758 days	0%	-57 days	
54	**100410**	**SECTION W7**	**754 days**	**0 day**	**Tue 7/3/17**	**Sat 30/3/19**	-	-		**0%**	**683 days**	



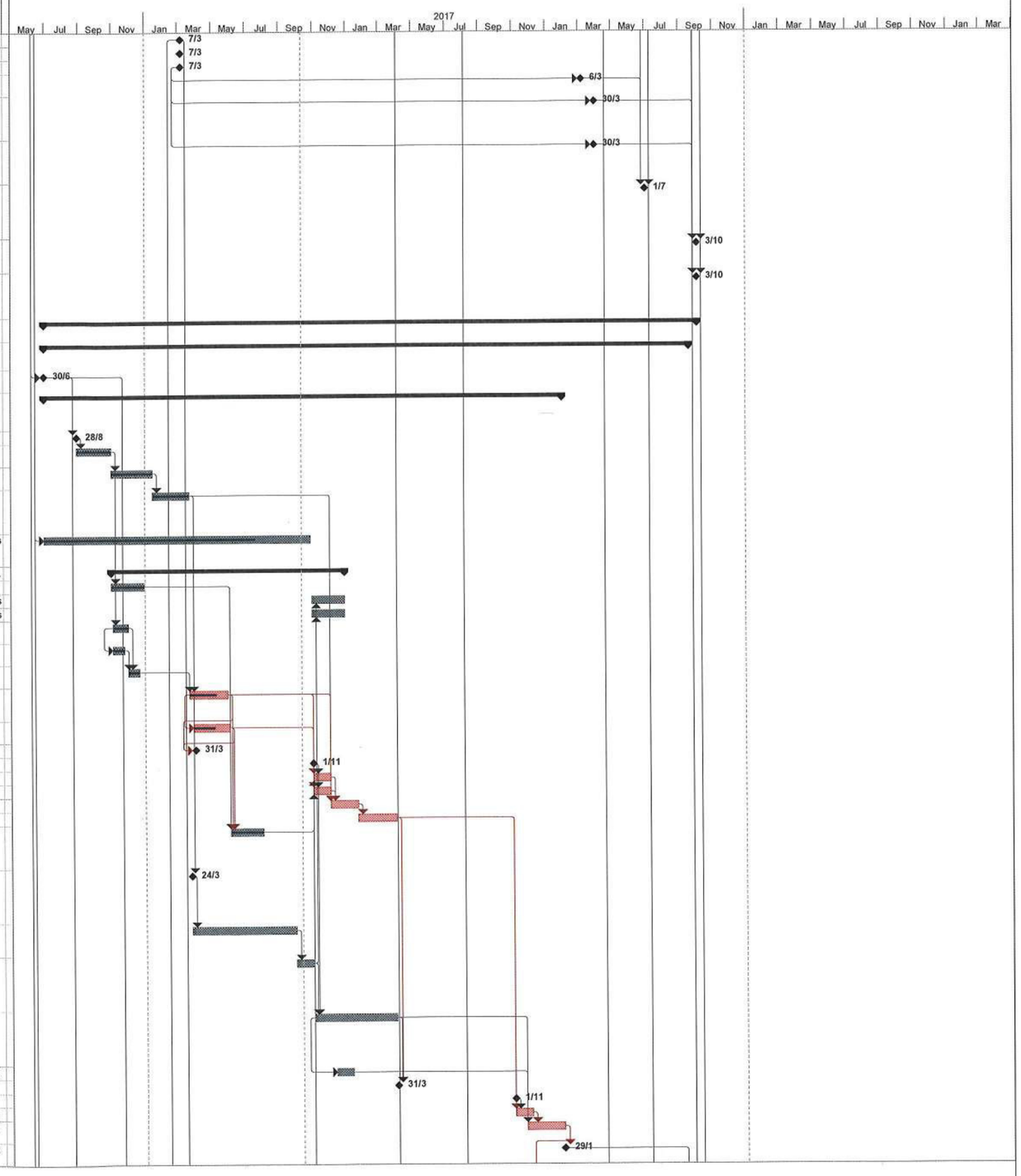
Task | Summary | External Milestone | Inactive Summary | Manual Summary Rollup | Finish-only | Progress
Split | Project Summary | Inactive Task | Manual Task | Manual Summary | Critical | Deadline
Milestone | External Tasks | Inactive Milestone | Duration-only | Start-only | Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

CEDD CONTRACT NO. YL/2015/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - REMAINING WORKS
UPDATE ACCEPTED PROGRAMME

SANG HING - KULY JOINT VENTURE
29 SEPT 2017

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack	R N
55	***100420***	***INSTRUCTION TO EXECISE***	***0 days***	***0 day***	***Tue 7/3/17***	***Tue 7/3/17***	***Tue 7/3/17***	***Tue 7/3/17***		***0%***	***730 days***	
56	**100430**	**PORTION J2 & J3**	**0 days**	**0 day**	**Tue 7/3/17**	**Tue 7/3/17**	**Tue 7/3/17**	**Tue 7/3/17**		**0%**	**0 days**	
57	100435	ACCESS DATE	0 days	0 day	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17		0%	0 days	
58	100440	SECTION W7 ORIGINAL COMPLETION DATE (730 days)	0 days	0 day	Wed 6/3/19	Wed 6/3/19	NA	NA	57SS+730 days	0%	0 days	
59	100450	SECTION W7 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT FOR INCLEMENT WEATHER TILL AUG 2017 (=730 days +24 days)	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	57SS+754 days	0%	683 days	
60	100455	SECTION W7 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT FOR INCLEMENT WEATHER TILL AUG 2017 & OTHERS (=730 days + 24 days)	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	57SS+754 days	0%	683 days	
61	100460	**SECTION W1 TO W7 ORIGINAL COMPLETION DATE**	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	10FS+184 days,21,30FS+184 days,37FS+549 days,44,51,58FS+117 days	0%	0 days	
62	**100470**	**SECTION W1 TO W7 ANITICIPATED COMPLETION DATE WITH CE / NCE DUE TO INCLEMENT WEATHER**	**0 days**	**0 day**	**Thu 3/10/19**	**Thu 3/10/19**	NA	NA	**11FS+181 days,22,31,38,45,52,59FS+175 days**	**0%**	**671 days**	
63	**100480**	**SECTION W1 TO W7 ANITICIPATED COMPLETION DATE WITH CE / NCE DUE TO INCLEMENT WEATHER & OTHERS**	**0 days**	**0 day**	**Thu 3/10/19**	**Thu 3/10/19**	NA	NA	**12,23,32,39,46,53,60FS+175 days**	**0%**	**671 days**	
64	**200000**	**PLANNED WORKS PROGRAMME**	**1191 days**	**0 day**	**Thu 30/6/16**	**Thu 3/10/19**	-	-		-	**671 days**	
65	**210010**	**SECTION W1 (PORTION A,B,C & D)**	**1176 days**	**0 day**	**Thu 30/6/16**	**Wed 18/9/19**	-	-		-	**686 days**	
66	210020	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	
67	**211000**	**PORTION A - POK WAI ROAD SOUTH (MP 1+000 - MP 2+130)**	**944 days**	**0 day**	**Thu 30/6/16**	**Tue 29/1/19**	-	-		-	**918 days**	
68	211010	POSSESION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	66FS+60 days	100%	0 days	
69	211020	INITIAL SURVEY + 3 DAY DELAY (INCLEMENT WEATHER) IN OCT 2016	63 days	3 days	Mon 29/8/16	Sun 30/10/16	Mon 29/8/16	Sun 30/10/16	68	100%	0 days	
70	211030	TREE SURVEY + 5 DAY DELAY (INCLEMENT WEATHER) IN SEP 2016	75 days	3 days	Mon 31/10/16	Fri 13/1/17	Mon 31/10/16	Fri 13/1/17	69	100%	0 days	
71	211040	TREE FELLING / TRANSPLANTING AND SITE CLEARANCE (FOR NEW DLO MEMO) + 6 DAY DELAY (INCLEMENT WEATHER) IN DEC 2016	66 days	5 days	Sat 14/1/17	Mon 20/3/17	Fri 13/1/17	Sun 19/3/17	70	100%	0 days	
72	211050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	485 days	10 days	Thu 30/6/16	Fri 27/10/17	Thu 30/6/16	NA	66SS	80%	1377 days	
73	**211060**	**UTILITIES DIVERSION WORKS**	**424 days**	**0 day**	**Mon 31/10/16**	**Thu 28/12/17**	-	-		-	**1315 da...**	
74	211070	CLP (@ Approx MP1+300)	60 days	0 day	Mon 31/10/16	Thu 29/12/16	Mon 31/10/16	Thu 29/12/16	69	100%	0 days	
75	211075	CLP (Between MP1+600 TO MP2+100)	60 days	2 days	Mon 30/10/17	Thu 28/12/17	NA	NA	91	0%	1315 days	
76	211080	PCCW (Between MP1+600 TO MP2+100)	60 days	2 days	Mon 30/10/17	Thu 28/12/17	NA	NA	91	0%	1315 days	
77	211090	GROUND INVESTIGATION WORKS (1 NO. BOREHOLE & TRIAL PITS)	28 days	2 days	Thu 3/11/16	Wed 30/11/16	Thu 3/11/16	Wed 30/11/16	69FS+4 days	100%	0 days	
78	211100	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Thu 3/11/16	Wed 23/11/16	Thu 3/11/16	Wed 23/11/16	77SS	100%	0 days	
79	211110	INSTALLATION OF MONITORING MARKERS	20 days	2 days	Thu 1/12/16	Tue 20/12/16	Thu 1/12/16	Wed 21/12/16	78,77	100%	0 days	
80	211115	RETAINING WALL - RW 8A (60M) + 10 DAY DELAY (INCLEMENT WEATHER) FROM MAR TO MAY 2017, CONTINUED	70 days	5 days	Tue 21/3/17	Mon 29/5/17	Thu 22/12/16	Fri 2/6/17	79,71	100%	-59 days	
81	211120	RETAINING WALL - RW 8B (40M) + 17 DAY DELAY (INCLEMENT WEATHER IN MAY 2017), CONTINUED	66 days	5 days	Tue 28/3/17	Thu 1/6/17	Fri 27/1/17	Fri 31/3/17	80SS+7 days	100%	-62 days	
82	211125	END DATE OF DRY SEASON	0 days	0 day	Fri 31/3/17	Fri 31/3/17	Fri 31/3/17	Fri 31/3/17	81,80	70%	0 days	
83	211130	START DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	NA	NA		0%	0 days	
84	211135	RETAINING WALL - RW8A - REMAINING WORKS	31 days	0 day	Wed 1/11/17	Fri 1/12/17	NA	NA	83,80,136	0%	0 days	
85	211140	RETAINING WALL - RW8B - REMAINING WORKS	31 days	0 day	Wed 1/11/17	Fri 1/12/17	NA	NA	81,83,88	0%	0 days	
86	211150	RETAINING WALL - RW7 (20M)	50 days	2 days	Sat 2/12/17	Sat 20/1/18	NA	NA	80,71,85,84	0%	0 days	
87	211160	RETAINING WALL - RW 7A (67M)	70 days	4 days	Sun 21/1/18	Sat 31/3/18	NA	NA	86	0%	0 days	
88	211190	EARTHWORKS AND DRAINAGE WORKS, UTILITIES LAYING BETWEEN MP1+000 TO MP 1+600 (EXCLUDING RETAINING WALL RW7, 7A & 7B)	60 days	5 days	Sat 3/6/17	Tue 1/8/17	Sat 3/6/17	Tue 1/8/17	80,81,74	100%	0 days	
89	211200	EARTHWORKS AND DRAINAGE WORKS BETWEEN CH1+600 TO CH2+100, THE WORKS SUSPENDED DUE TO SLOPE WORKS FALLING ON WATER POND & OUTSIDE SITE BOUNDARY (SKJV EW No.3 Dated 24/3/17)	0 days	0 day	Fri 24/3/17	Fri 24/3/17	Fri 24/3/17	Fri 24/3/17	71	100%	0 days	
90	211210	PENDING THE SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV EW No.3) UP TO THIS PROG DATE	190 days	0 day	Fri 24/3/17	Fri 29/9/17	Fri 24/3/17	NA	89	0%	3 days	
91	211215	PREPARATION WORKS FOR WORKS UNDER CE TO RESOLVE CONFLICT (SKJV EW No.3) BY SKJV (ASSUMED 30 days, THE DURATION OF PREPARATION WORKS WILL BE REVISED ONCE THE CE HAS BEEN ISSUED)	30 days	0 day	Sat 30/9/17	Sun 29/10/17	NA	NA	90	0%	3 days	
92	211220	CONSTRUCTION OF WORKS UNDER CE TO RESOLVE THE CONFLICT UNDER SKJV EW No.3 (DURATION IS ASSUMED TO BE 150 days AS THE SAME AS THE CONFORMING DESIGN), THE DURATION WILL BE REVISED ONCE THE CE HAS BEEN ISSUED	150 days	3 days	Wed 1/11/17	Fri 30/3/18	NA	NA	91,83	0%	1 day	
93	211235	STAIRCASE @ MP1+960	30 days	3 days	Mon 11/12/17	Tue 9/1/18	NA	NA	92SS+40 days	0%	286 days	
94	211225	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	NA	NA	87,92	0%	0 days	
95	211230	START DATE OF DRY SEASON	0 days	0 day	Thu 1/11/18	Thu 1/11/18	NA	NA		0%	0 days	
96	211250	RETAINING WALL - RW 7B (20M)	31 days	0 day	Fri 2/11/18	Sun 2/12/18	NA	NA	95,87	0%	-31 days	
97	211270	ROAD WORKS	68 days	7 days	Fri 23/11/18	Tue 29/1/19	NA	NA	92,93,96FS-10 days	0%	-31 days	
98	211275	PORTION A - ANTICIPATED COMPLETION DATE	0 days	0	Tue 29/1/19	Tue 29/1/19	NA	NA	97		232 days	



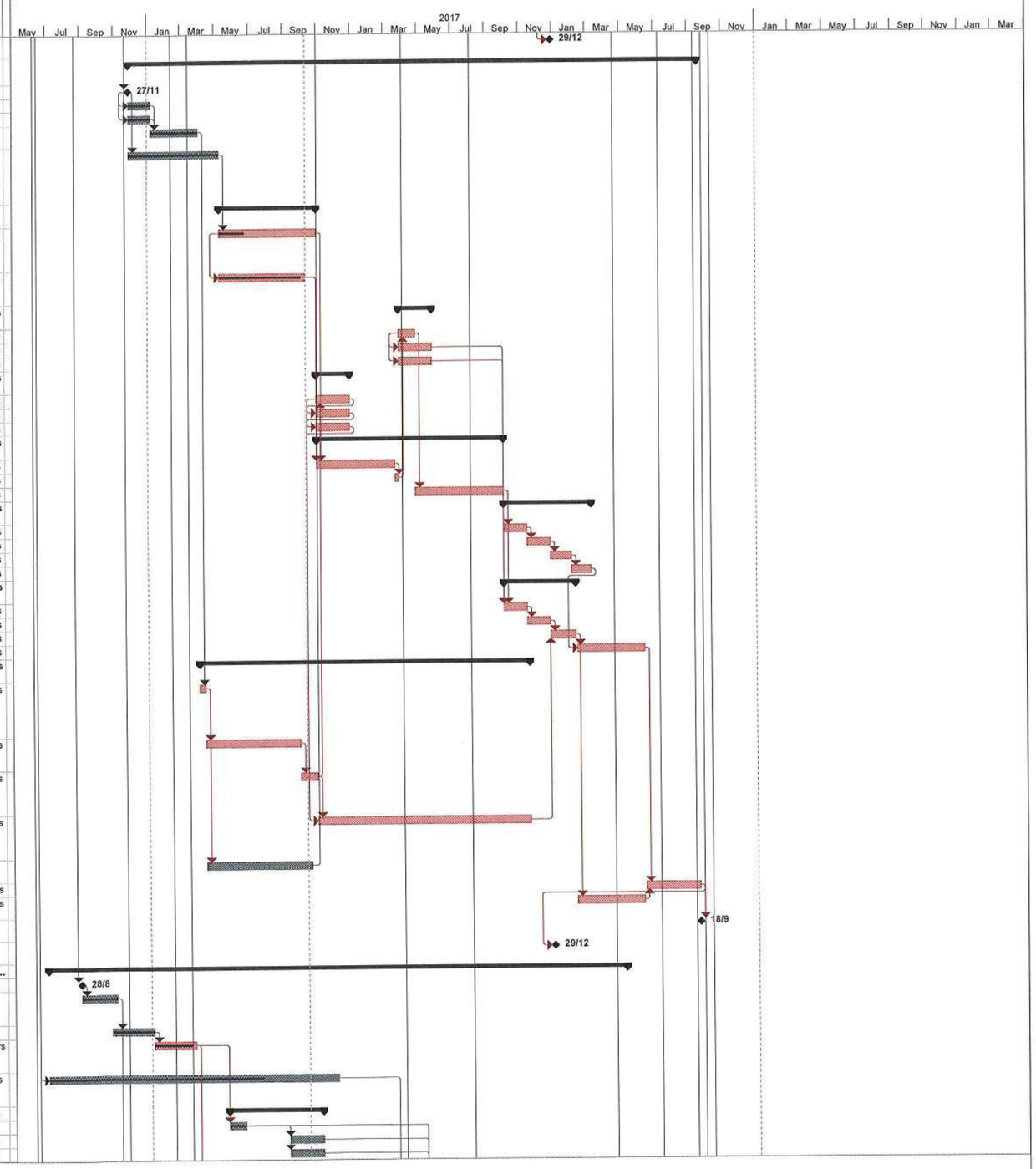
Task — Summary — External Milestone — Inactive Summary — Manual Summary Rollup — Finish-only — Progress
Split — Project Summary — Inactive Task — Manual Task — Manual Summary — Critical — Deadline
Milestone — External Tasks — Inactive Milestone — Duration-only — Start-only — Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

CEDD CONTRACT NO. YL/2015/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - REMAINING WORKS
UPDATE ACCEPTED PROGRAMME

SANG HING - KULY JOINT VENTURE
29 SEPT 2017

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack	R N
99	211280	PORTION A - ORIGINAL COMPLETION DATE	0 days	0 day	Sat 29/12/18	Sat 29/12/18	NA	NA	97	0%	0 days	
100	**212000**	**PORTION B (MP 2+130 - MP 2+950)**	**1025 days**		**Sun 27/11/16**	**Wed 18/9/19**	-	-		-	**0 days**	
101	212010	POSSESION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	66FS+151 days	100%	0 days	
102	212020	INITIAL SURVEY	40 days	3 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	101SS	100%	0 days	
103	212030	TREE SURVEY	40 days	3 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	101SS	100%	0 days	
104	212040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	85 days	4 days	Sat 7/1/17	Sat 1/4/17	Sat 7/1/17	Sat 1/4/17	103,102	100%	0 days	
105	212070	TTM PREPARATION BY SKJV & APPROVAL BY SUPREVISOR/PM/TMLG & XP ISSUE+ 36 DAYS DELAY DUE TO BELATED APPROVAL OF XP & ADDITIONAL TRIAL RUN (SKJV NCE No.15)	162 days	0 day	Mon 28/11/16	Mon 8/5/17	Mon 28/11/16	Mon 8/5/17	101	100%	0 days	
106	212100	**UTILITIES DIVERSION WORKS (FOR SUBWAY BAY PW1 TO PW9)**	**175 days**		**Tue 9/5/17**	**Mon 30/10/17**	-	-		-	**0 days**	
107	212110	CLP CABLE + Anticipated 95 Days Delay of Works Due to Uncharted CLP Cable Ducts (SKJV NCE No.46) and Delay in Diversion of CLP Pole (SKJV NCE No. 50)	175 days	2 days	Tue 9/5/17	Mon 30/10/17	Tue 9/5/17	NA	105	30%	-263 days	
108	212140	WSD PIPE + Anticipated 95 Days Delay of Works Due to Delay in Diversion of WSD pipes (SKJV NCE No.40)	155 days	2 days	Tue 9/5/17	Tue 10/10/17	Tue 9/5/17	NA	107SS	95%	-243 days	
109	212200	**UTILITIES DIVERSION WORKS (FOR SUBWAY BAY PW10 TO PW16)**	**60 days**		**Tue 27/3/18**	**Fri 25/5/18**	-	-			**-130 days**	
110	212210	CLP	30 days	1 day	Tue 27/3/18	Wed 25/4/18	NA	NA	119	0%	-263 days	
111	212220	HCL	60 days	1 day	Tue 27/3/18	Fri 25/5/18	NA	NA	110SS	0%	-130 days	
112	212230	WSD	60 days	1 day	Tue 27/3/18	Fri 25/5/18	NA	NA	110SS	0%	-130 days	
113	212240	**UTILITIES DIVERSION WORKS (FOR CYCLE TRACK CONSTRUCTION)**	**60 days**		**Mon 30/10/17**	**Thu 28/12/17**	-	-			**-162 days**	
114	212250	CLP	60 days	1 day	Mon 30/10/17	Thu 28/12/17	NA	NA	134	0%	-162 days	
115	212260	HCL	60 days	1 day	Mon 30/10/17	Thu 28/12/17	NA	NA	114SS	0%	-162 days	
116	212270	WSD	60 days	1 day	Mon 30/10/17	Thu 28/12/17	NA	NA	114SS	0%	-162 days	
117	212280	**SUBWAY A BARRELS WITH PUMP ROOM (4 BAYS) CONSTRUCTION**	**337 days**		**Tue 31/10/17**	**Tue 2/10/18**	-	-		-	**-263 days**	
118	212300	BAY PW7, 8 & 9	140 days	5 days	Tue 31/10/17	Mon 19/3/18	NA	NA	107,108	0%	-263 days	
119	212310	TTA FOR BAY PW9, 10, &11	7 days	3 days	Tue 20/3/18	Mon 26/3/18	NA	NA	118	0%	-263 days	
120	212320	BAY PW9 & 10 WITH PUMP HOUSE, PW11	160 days	5 days	Thu 26/4/18	Tue 2/10/18	NA	NA	110	0%	-263 days	
121	212330	**SOUTHERN RAMP (7 BAYS) CONSTRUCTION**	**157 days**		**Wed 3/10/18**	**Fri 8/3/19**	-	-		-	**-263 days**	
122	212340	BAY PW6&7	42 days	2 days	Wed 3/10/18	Tue 13/11/18	NA	NA	120	0%	-263 days	
123	212350	BAY PW4&5	42 days	2 days	Wed 14/11/18	Tue 25/12/18	NA	NA	122	0%	-263 days	
124	212360	BAY PW2&3	38 days	2 days	Wed 26/12/18	Fri 1/2/19	NA	NA	123	0%	-263 days	
125	212370	BAY PW1 AND ASSOCIATED WORKS	35 days	2 days	Sat 2/2/19	Fri 8/3/19	NA	NA	124	0%	-263 days	
126	212380	**NORTHERN RAMP (5 BAYS) CONSTRUCTION**	**129 days**		**Wed 3/10/18**	**Fri 8/2/19**	-	-		-	**-260 days**	
127	212390	BAY PW12 & 13	42 days	2 days	Wed 3/10/18	Tue 13/11/18	NA	NA	120,111,112	0%	-260 days	
128	212400	BAY PW14 & 15	42 days	2 days	Wed 14/11/18	Tue 25/12/18	NA	NA	127	0%	-260 days	
129	212410	BAY PW16 AND ASSOCIATED WORKS	45 days	2 days	Wed 26/12/18	Fri 8/2/19	NA	NA	128,135	0%	-260 days	
130	212415	FNISHING WORKS AND E&M WORKS	120 days	5 days	Tue 12/2/19	Tue 11/6/19	NA	NA	129,125FS-25 days	0%	-263 days	
131	**212420**	**EARTHWORKS AND DRAINAGE WORKS FROM CH 2+350 TO 2+650**	**595 days**		**Sun 2/4/17**	**Sat 17/11/18**	-	-		-	**-222 days**	
132	212425	EARTHWORKS AND DRAINAGE WORKS FROM CH 2+350 TO 2+650, SUSPENSION OF WORKS DUE TO CONFLICT OF CYCLE TRACK WITH EXISTING DWARF WALL, MCAL LETTER DATED 11/4/2017)	10 days	0 day	Sun 2/4/17	Tue 11/4/17	Sun 2/4/17	Tue 11/4/17	104	0%	-222 days	
133	212430	PENDING SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV NCE No.45) UP TO THIS PROG DATE	171 days	0 day	Wed 12/4/17	Fri 29/9/17	Wed 12/4/17	NA	132	0%	-222 days	
134	212435	PREPARATION WORKS FOR WORKS UNDER CE TO RESOLVE CONFLICT (SKJV NCE No.45) BY SKJV (ASSUMED 30 days)	30 days	0 day	Sat 30/9/17	Sun 29/10/17	NA	NA	133	0%	-222 days	
135	212440	CONSTRUCTION WORKS UNDER CE (SKJV NCE No.45), DUARTION WAS ASSUMED TO THE SAME AS THE DURATION AS CONFORMING DESIGN OF 384 days	384 days	0 day	Mon 30/10/17	Sat 17/11/18	NA	NA	134,114FS-120 days,115FS-120 days,116FS-120 days	0%	-222 days	
136	212450	EARTHWORKS AND DRAINAGE WORKS FROM CH 2+650 TO 2+930	190 days	0 day	Wed 12/4/17	Wed 18/10/17	Fri 7/4/17	NA	132	0%	13 days	
137	212455	ROAD WORKS	99 days	7 days	Wed 12/6/19	Wed 18/9/19	NA	NA	130,138	0%	-263 days	
138	212460	RESTING STATION R6	120 days	7 days	Sat 9/2/19	Sat 8/6/19	NA	NA	129	0%	-260 days	
139	212465	PORTION B - ANTICIPATED COMPLETION DATE	0 days	0 day	Wed 18/9/19	Wed 18/9/19	NA	NA	137		0 days	
140	212470	PORTION B - ORIGINAL COMPLETION DATE	0 days	0 day	Sat 29/12/18	Sat 29/12/18	NA	NA	137	0%	0 days	
141	**213000**	**PORTION C (MP 2+950 - MP 4+010)**	**1041 days**		**Thu 30/6/16**	**Mon 6/5/19**	-	-		-	**135 da...**	
142	213010	POSSESION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	66FS+60 days	100%	0 days	
143	213020	INITIAL SURVEY + 9 DAY DELAY (INCLEMENT WEATHER IN SEPT TO OCT 16)	63 days	4 days	Mon 29/8/16	Sun 30/10/16	Mon 29/8/16	Sun 30/10/16	142	100%	0 days	
144	213030	TREE SURVEY	75 days	7 days	Sat 22/10/16	Wed 4/1/17	Sat 22/10/16	Wed 4/1/17	143	100%	0 days	
145	213040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE + 8 DAY DELAY (INCLEMENT WEATHER) IN DEC 17	75 days	5 days	Thu 5/1/17	Mon 20/3/17	Thu 5/1/17	Mon 13/3/17	144	100%	-128 days	
146	213050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	520 days	0 day	Thu 30/6/16	Fri 1/12/17	Thu 30/6/16	NA	66SS	80%	156 days	
147	213060	**UTILITIES DIVERSION WORKS**	**170 days**	**0 day**	**Thu 18/5/17**	**Fri 3/11/17**	-	-		-	**59 days**	
148	213070	CLP	30 days	3 days	Thu 18/5/17	Fri 16/6/17	Thu 18/5/17	Fri 16/6/17	145FS+65 days	100%	0 days	
149	213080	PCCW	60 days	3 days	Tue 5/9/17	Fri 3/11/17	NA	NA	148FS+80 days	0%	59 days	
150	213085	WSD	60 days	3 days	Tue 5/9/17	Fri 3/11/17	NA	NA	148FS+80 days	0%	59 days	



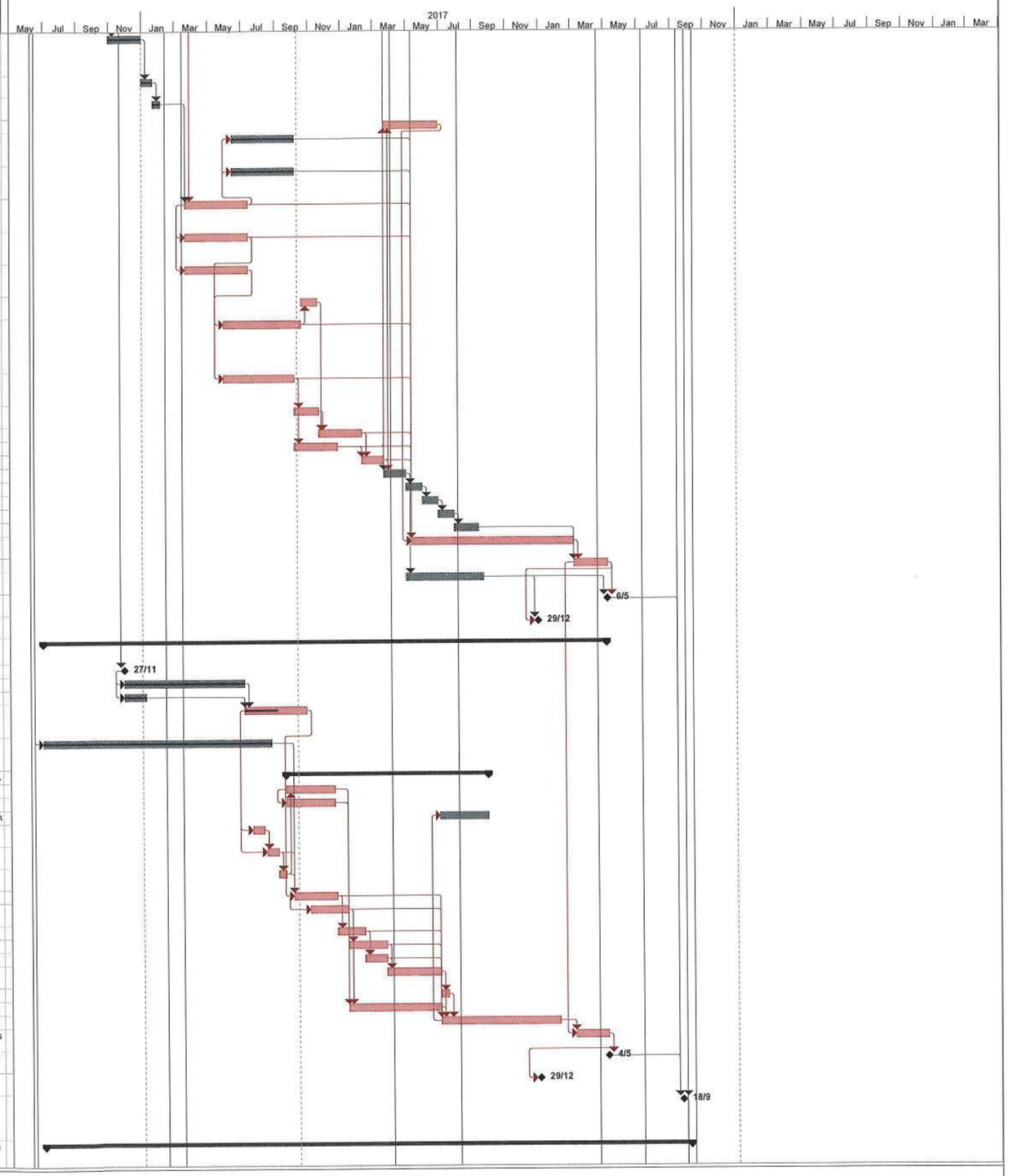
Task | Summary | External Milestone | Inactive Summary | Manual Summary Rollup | Finish-only | Progress
Split | Project Summary | Inactive Task | Manual Task | Manual Summary | Critical | Deadline
Milestone | External Tasks | Inactive Milestone | Duration-only | Start-only | Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

CEDD CONTRACT NO. YL/2015/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - REMAINING WORKS
UPDATE ACCEPTED PROGRAMME

SANG HING - KULY JOINT VENTURE
29 SEPT 2017

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack	R N
151	213090	GROUND INVESTIGATION WORKS (11 NOS. BOREHOLES & TRIAL PITS) + 1 day DELAY (INCLEMENT WEATHER IN OCT 16)	61 days	5 days	Mon 31/10/16	Fri 30/12/16	Mon 31/10/16	Fri 30/12/16	143	100%	0 days	
152	213100	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	3 days	Sat 31/12/16	Fri 20/1/17	Sat 31/12/16	Fri 20/1/17	151	100%	0 days	
153	213110	INSTALLATION OF MONITORING MARKERS	14 days	2 days	Sat 21/1/17	Fri 3/2/17	Sat 21/1/17	Fri 3/2/17	152	100%	0 days	
154	213120	RETAINING WALL - RW 11A (50M)	100 days	5 days	Wed 21/3/18	Thu 28/6/18	NA	NA	165,166	0%	-128 days	
155	213130	RETAINING WALL - RW 11B : BAY1 - BAY 6 (60M) + 50 days DELAY (INCLEMENT WEATHER FROM MAY TO JUL 17)	115 days	5 days	Wed 14/6/17	Fri 6/10/17	Tue 30/5/17	Sat 16/9/17	157FS-30 days	100%	0 days	
156	213140	RETAINING WALL - RW 11B : BAY 7 - BAY 12 (60M) + 50 days DELAY (INCLEMENT WEATHER FROM MAY TO JUL 17)	115 days	5 days	Wed 14/6/17	Fri 6/10/17	Tue 30/5/17	Sat 16/9/17	157FS-30 days	100%	0 days	
157	213150	RETAINING WALL - RW 11C : BAY 1 - BAY 7 (70M), 50 Days DELAY (INCLEMENT WEATHER FROM MAR TO JUN 2017)	115 days	7 days	Tue 21/3/17	Thu 13/7/17	Tue 21/3/17	Wed 28/6/17	153,145	100%	-128 days	
158	213160	RETAINING WALL - RW 11C : BAY 8 - BAY 14 (70M) + 50 days DELAY (INCLEMENT WEATHER FROM MAR TO JUN 17)	115 days	5 days	Tue 21/3/17	Thu 13/7/17	Tue 21/3/17	Wed 28/6/17	157SS	100%	-128 days	
159	213170	RETAINING WALL - RW 11C : BAY 15 - BAY 21 (70M) + 50 days DELAY (INCLEMENT WEATHER FROM MAR TO JUN 17)	115 days	7 days	Tue 21/3/17	Thu 13/7/17	Tue 21/3/17	Wed 28/6/17	157SS	100%	-128 days	
160	213175	RETAINING WALL - RW 12 : BAY 0 (SKJV NCE)	30 days	2 days	Thu 19/10/17	Fri 17/11/17	NA	NA	161	0%	-125 days	
161	213180	RETAINING WALL - RW 12 : BAY 1 - BAY 8 (80M) + DELAY OF WORKS DUE TO CONFLICT OF CLP's POLE + 44 days DELAY (INCLEMENT WEATHER FROM MAY TO AUG 17)	142 days	7 days	Tue 30/5/17	Wed 18/10/17	Tue 30/5/17	NA	159FS-45 days,158FS-45 days	16%	-125 days	
162	213190	RETAINING WALL - RW 12 : BAY 9 - BAY 16 (80M) + 30 days DELAEY (INCLEMENT WEATHER FROM MAY TO JUL 17)	130 days	7 days	Tue 30/5/17	Fri 6/10/17	Tue 30/5/17	NA	159FS-45 days,158FS-45 days	50%	-128 days	
163	213195	RETAINING WALL - RW 12 : BAY 17 to 18 (SKJV NCE)	45 days	2 days	Sat 7/10/17	Mon 20/11/17	NA	NA	162		-128 days	
164	213200	RETAINING WALL - RW 13 (40M)	80 days	5 days	Tue 21/11/17	Thu 8/2/18	NA	NA	163,160	0%	-128 days	
165	213210	RETAINING WALL - RW 14, STAIRCASE S4 (55M)	80 days	5 days	Sat 7/10/17	Mon 25/12/17	NA	NA	162	30%	-83 days	
166	213220	RETAINING WALL - RW 15A (7.5M)	40 days	2 days	Fri 9/2/18	Tue 20/3/18	NA	NA	165,164	0%	-128 days	
167	213230	RAMP NEAR YAU POK ROAD	40 days	2 days	Wed 21/3/18	Sun 29/4/18	NA	NA	166,146	0%	47 days	
168	213240	STAIRCASE S1	30 days	0 day	Mon 30/4/18	Tue 29/5/18	NA	NA	167	0%	47 days	
169	213250	STAIRCASE S2	30 days	0 day	Wed 30/5/18	Thu 28/6/18	NA	NA	168	0%	47 days	
170	213260	STAIRCASE S3	30 days	0 day	Fri 29/6/18	Sat 28/7/18	NA	NA	169	0%	47 days	
171	213270	RAMP AND STAIRCASE - CSR1	45 days	0 day	Sun 29/7/18	Tue 11/9/18	NA	NA	170	0%	47 days	
172	213280	EARTHWORKS AND DRAINAGE WORKS (CH3+701 TO 4+010)	300 days	10 days	Thu 10/5/18	Tue 5/3/19	NA	NA	148,149,150,154FS-50 days,155,156,157,158,161,162,164	0%	-128 days	
173	213290	ROAD WORKS	62 days	5 days	Wed 6/3/19	Mon 6/5/19	NA	NA	172,171	0%	-128 days	
174	213300	RESTING STATION R7	144 days	10 days	Mon 30/4/18	Thu 20/9/18	NA	NA	167	0%	100 days	
175	213310	PORTION C - ANTICIPATED COMPLETION DATE	0 days	0 day	Mon 6/5/19	Mon 6/5/19	NA	NA	173,174		135 days	
176	213320	PORTION C - ORIGINAL COMPLETION DATE	0 days	0 day	Sat 29/12/18	Sat 29/12/18	NA	NA	173,174	0%	0 days	
177	**214000**	**PORTION D (MP 4+010 - MP 5+280)**	**1039 days**		**Thu 30/6/16**	**Sat 4/5/19**	-	-		-	**823 days**	
178	214010	POSSESION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	66FS+151 days	100%	0 days	
179	214020	INITIAL SURVEY	220 days	3 days	Mon 28/11/16	Wed 5/7/17	Mon 28/11/16	Wed 5/7/17	178SS	100%	0 days	
180	214030	TREE SURVEY	40 days	3 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	178SS	100%	0 days	
181	214040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE + 14 days DELAY (INCLEMENT WEATHER IN AUG 17)	114 days	5 days	Thu 6/7/17	Fri 27/10/17	Thu 6/7/17	NA	180,179	60%	-97 days	
182	214050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	420 days	0 day	Thu 30/6/16	Wed 23/8/17	Thu 30/6/16	NA	66SS	100%	0 days	
183	214060	**UTILITIES DIVERSION WORKS**	**374 days**	**0 day**	**Tue 19/9/17**	**Thu 27/9/18**	-			-	**1042 da...**	
184	214070	CLP	90 days	3 days	Tue 19/9/17	Sun 17/12/17	Tue 19/9/17	NA	189	0%	-73 days	
185	214080	HCL	90 days	3 days	Tue 19/9/17	Sun 17/12/17	Tue 19/9/17	NA	184SS	0%	-73 days	
186	214085	WSD	90 days	3 days	Sat 30/6/18	Thu 27/9/18	NA	NA	198SS	0%	1042 days	
187	214090	GROUND INVESTIGATION WORKS (3 NOS. BOREHOLE & TRIAL PITS)	21 days	2 days	Thu 20/7/17	Wed 9/8/17	Wed 15/2/17	Tue 7/3/17	181SS+14 days	100%	-78 days	
188	214100	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Tue 15/8/17	Mon 4/9/17	Tue 15/8/17	NA	181SS+40 days,187	50%	-83 days	
189	214110	INSTALLATION OF MONITORING MARKERS	14 days	2 days	Tue 5/9/17	Mon 18/9/17	NA	NA	188	0%	-83 days	
190	214120	RETAINING WALL - RW 15B (40M)	80 days	7 days	Tue 3/10/17	Thu 21/12/17	NA	NA	181FS-25 days,188,189,182	0%	-97 days	
191	214130	RETAINING WALL - RW 15C (45M) & STAIRCASE S6	70 days	7 days	Thu 2/11/17	Wed 10/1/18	NA	NA	190SS+30 days	0%	-97 days	
192	214140	STREAM DECKING D1	50 days	3 days	Fri 22/12/17	Fri 9/2/18	NA	NA	190	0%	-97 days	
193	214150	STREAM DECKING D2	70 days	3 days	Thu 11/1/18	Wed 21/3/18	NA	NA	191	0%	-97 days	
194	214160	STREAM DECKING D3	40 days	3 days	Sat 10/2/18	Wed 21/3/18	NA	NA	192	0%	-97 days	
195	214170	PEDSTRIAN RAMP CONSTRUCTION & PROVIDE SAFETY ACCESS TO RESIDENT	100 days	7 days	Thu 22/3/18	Fri 29/6/18	NA	NA	194,193	0%	-97 days	
196	214190	DEMOLITION OF EXISTING STRUCTURE	14 days	2 days	Sat 30/6/18	Fri 13/7/18	NA	NA	195	0%	-61 days	
197	214200	RW16A (80M)	170 days	10 days	Thu 11/1/18	Fri 29/6/18	NA	NA	191,184,185	0%	-97 days	
198	214210	EARTHWORKS AND DRAINAGE WORKS	220 days	30 days	Sat 30/6/18	Mon 4/2/19	NA	NA	190,191,197,192,193,194,195,196F	0%	-97 days	
199	214220	ROAD WORKS	60 days	14 days	Wed 6/3/19	Sat 4/5/19	NA	NA	198,173SS	0%	-126 days	
200		PORTION D - ANTICIPATED COMPLETION DATE	0 days	0	Sat 4/5/19	Sat 4/5/19	NA	NA	199		137 days	
201	214225	PORTION D - ORIGINAL COMPLETION DATE	0 days	0 day	Sat 29/12/18	Sat 29/12/18	NA	NA	199	0%	0 days	
202	**210030**	**SECTION W1 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHER ISSUES**	**0 days**	**0 day**	**Wed 18/9/19**	**Wed 18/9/19**	**NA**	**NA**	**98,139,175,200**	-	**0 days**	
203		**SECTION W2 (PORTION E, F, G, H, I & N)**	**1191 days**	**days**	**Thu 30/6/16**	**Thu 3/10/19**	-	-		-	**671 days**	



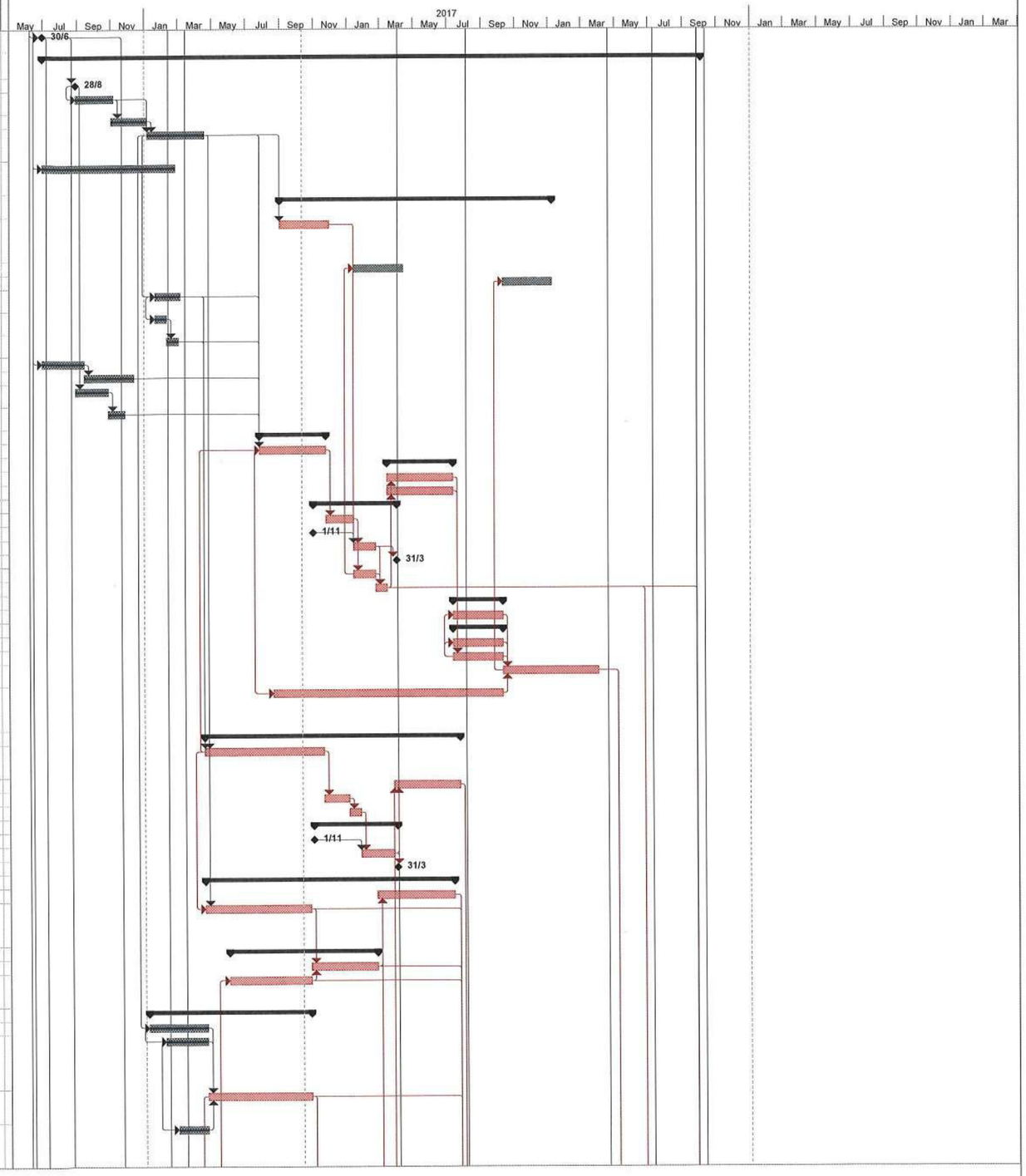
Task | Summary | External Milestone | Inactive Summary | Manual Summary Rollup | Finish-only | Progress
Split | Project Summary | Inactive Task | Manual Task | Manual Summary | Critical | Deadline
Milestone | External Tasks | Inactive Milestone | Duration-only | Start-only | Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

CEDD CONTRACT NO. YL/2015/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - REMAINING WORKS
UPDATE ACCEPTED PROGRAMME

SANG HING - KULY JOINT VENTURE
29 SEPT 2017

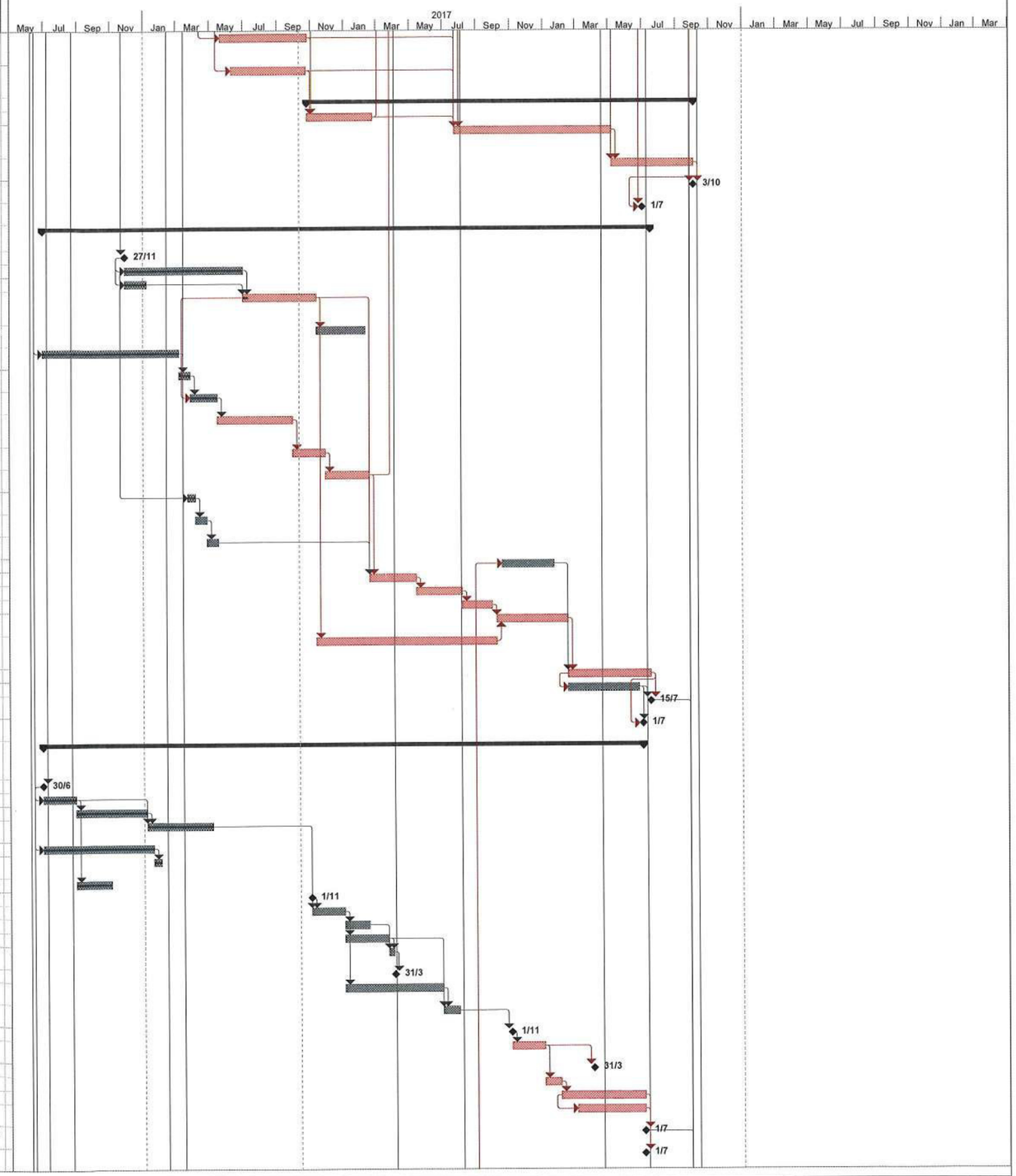
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack
204	220010	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days
205	**221000**	**PORTION E (MP 5+280 - MP 6+530)**	**1191 days**	**days**	**Thu 30/6/16**	**Thu 3/10/19**	-	-		-	**671 days**
206	221010	POSSESION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	204FS+60 days	100%	0 days
207	221020	INITIAL SURVEY + 4 DAY DELAY (INCLEMENT WEATHER) IN NOV 16	69 days	5 days	Mon 29/8/16	Sat 5/11/16	Mon 29/8/16	Sat 5/11/16	206SS	100%	0 days
208	221030	TREE SURVEY	65 days	5 days	Wed 2/11/16	Thu 5/1/17	Wed 2/11/16	Thu 5/1/17	207	100%	0 days
209	221040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE + 8 DAY DELAY (INCLEMENT WEATHER) IN DEC 17	102 days	5 days	Fri 6/1/17	Mon 17/4/17	Fri 6/1/17	Sat 4/3/17	207,208	100%	0 days
210	221050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	240 days	0 day	Thu 30/6/16	Fri 24/2/17	Thu 30/6/16	Fri 24/2/17	204SS	100%	0 days
211	**221060**	**UTILITIES DIVERSION WORKS (GAS MAIN, CLP, WSD)**	**494 days**	**0 day**	**Fri 1/9/17**	**Mon 7/1/19**	-	-		-	**940 days**
212	221070	GAS MAIN (Culvet D4), Liaision for Gas Main Diversion will be conducted once the realignment of Cycle Track at Culvert D4 is fixed	90 days	5 days	Fri 1/9/17	Wed 29/11/17	NA	NA	209FS+136 days	0%	-14 days
213	221080	CLP	90 days	5 days	Sat 13/1/18	Thu 12/4/18	NA	NA	232SS	0%	1210 days
214		WSD	90 days	5 days	Wed 10/10/18	Mon 7/1/19	NA	NA	239SS	0%	940 days
215	221090	GROUND INVESTIGATION WORKS (9 NOS. BOREHOLE & TRIAL PITS)	45 days	4 days	Fri 20/1/17	Sun 5/3/17	Fri 20/1/17	Sun 5/3/17	209SS+14 days	100%	0 days
216	221100	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Fri 20/1/17	Thu 9/2/17	Fri 20/1/17	Thu 9/2/17	215SS	100%	0 days
217	221110	INSTALLATION OF MONITORING MARKERS	21 days	2 days	Fri 10/2/17	Thu 2/3/17	Fri 10/2/17	Thu 2/3/17	216	100%	0 days
218	221120	TTM PREPARATION	76 days	7 days	Thu 30/6/16	Tue 13/9/16	Thu 30/6/16	Tue 13/9/16	2SS	100%	0 days
219	221130	TTM APPROVAL BY RSS/TMLG	90 days	7 days	Wed 14/9/16	Mon 12/12/16	Wed 14/9/16	Mon 12/12/16	218	100%	0 days
220	221140	PREPARATION OF TDMP FOR BOX CULVERTS	60 days	5 days	Mon 29/8/16	Thu 27/10/16	Mon 29/8/16	Thu 27/10/16	206	100%	0 days
221	221150	APPROVAL OF TDMP BY SUPERVISOR/DSD	30 days	3 days	Fri 28/10/16	Sat 26/11/16	Fri 28/10/16	Sat 26/11/16	220	100%	0 days
222	**221160**	**MP 5+465 - MP 5+515**	**120 days**		**Thu 27/7/17**	**Thu 23/11/17**	-	-		-	**-58 days**
223	221170	RETAINING WALL - RW D02 & D04 (80M)	120 days	2 days	Thu 27/7/17	Thu 23/11/17	Fri 30/6/17	Sat 7/10/17	209,219,221,215,217,242SS+100 d	10%	-58 days
224	**221180**	**MP 5+515 - MP 5+595**	**120 days**		**Wed 14/3/18**	**Wed 11/7/18**	-	-		-	**-58 days**
225	221190	RETAINING WALL - RW D05 & D06 (50M)	120 days	2 days	Wed 14/3/18	Wed 11/7/18	NA	NA	233	0%	-58 days
226	221200	RETAINING WALL - RW D07 (70M)	120 days	3 days	Wed 14/3/18	Wed 11/7/18	NA	NA	233	0%	-58 days
227	**221210**	**MP 5+280 - MP 6+020**	**151 days**		**Wed 1/11/17**	**Sat 31/3/18**	-	-		-	**0 days**
228	221220	RETAINING WALL - RW D03 (11M)	50 days	3 days	Fri 24/11/17	Fri 12/1/18	NA	NA	223	0%	-58 days
229	221225	START DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	NA	NA		0%	15 days
230	221230	BOX CULVERT D4	40 days	4 days	Sat 13/1/18	Wed 21/2/18	NA	NA	229,212,228	0%	-58 days
231	221235	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	NA	NA	230	0%	0 days
232	221250	ROAD WORKS FOR REALIGNMENT	40 days	3 days	Sat 13/1/18	Wed 21/2/18	NA	NA	228	0%	-58 days
233	221260	REALIGNMENT SAN TAM ROAD	20 days	2 days	Thu 22/2/18	Tue 13/3/18	NA	NA	232,230	0%	-58 days
234	**221270**	**MP 5+900 - MP 6+020**	**90 days**		**Thu 12/7/18**	**Tue 9/10/18**	-	-		-	**-58 days**
235	221280	RETAINING WALL - RW D15 (113M)	90 days	10 days	Thu 12/7/18	Tue 9/10/18	NA	NA	238SS	0%	-58 days
236	**221290**	**MP 5+ 595 - MP 5+900**	**90 days**		**Thu 12/7/18**	**Tue 9/10/18**	-	-		-	**-58 days**
237	221300	RETAINING WALL - RW D10 (50M)	90 days	7 days	Thu 12/7/18	Tue 9/10/18	NA	NA	238SS	0%	-58 days
238	221310	RETAINING WALL - RW D08 (66M)	90 days	8 days	Thu 12/7/18	Tue 9/10/18	NA	NA	226,225	0%	-58 days
239	221320	DRAINAGE WORKS, EARTHWORKS FOR RWD15, D10 & D8	173 days	8 days	Wed 10/10/18	Sun 31/3/19	NA	NA	238FS-18 days,237,235,240	10%	-58 days
240	221325	DRAINAGE WORKS, EARTHWORKS FROM MP5+280 TO 6+020 (Excluding RWD15, 10 & D8)	415 days	3 days	Mon 21/8/17	Tue 9/10/18	Mon 21/8/17	NA	223SS+25 days		-58 days
241	**221330**	**MP 6+420 - MP 6+530**	**462 days**		**Tue 18/4/17**	**Mon 23/7/18**	-	-		-	**-94 days**
242	221340	RETAINING WALL - RW D25 + 60 Day DELAY (INCLEMENT WEATHER FROM MAY TO AUG 17)	216 days	3 days	Tue 18/4/17	Sun 19/11/17	NA	NA	215,217FS+46 days,209	65%	-94 days
243	221342	RETAINING WALL - RW D26	120 days	2 days	Mon 26/3/18	Mon 23/7/18	NA	NA	248,280	0%	-94 days
244	221344	ROAD WORKS FOR REALIGNMENT	45 days	2 days	Mon 20/11/17	Wed 3/1/18	NA	NA	242	0%	-94 days
245	221346	REALIGNMENT SHEK WU WAI ROAD	21 days	2 days	Thu 4/1/18	Wed 24/1/18	NA	NA	244	0%	-94 days
246	**221350**	**MP 6+020 - MP 6+530**	**151 days**		**Wed 1/11/17**	**Sat 31/3/18**	-	-		-	**0 days**
247	221355	START DATE OF DRY SEASON	0 days		Wed 1/11/17	Wed 1/11/17	NA	NA		0%	-9 days
248	221360	BOX CULVERT D7	60 days	3 days	Thu 25/1/18	Sun 25/3/18	NA	NA	247,245	0%	-94 days
249	221365	END DATE OF DRY SEASON	0 days		Sat 31/3/18	Sat 31/3/18	NA	NA	248	0%	0 days
250	**221400**	**MP 6+020 - MP 6+160**	**451 days**		**Tue 18/4/17**	**Thu 12/7/18**	-	-		-	**-83 days**
251	221410	RETAINING WALL - RW D18 (98M)	140 days	10 days	Fri 23/2/18	Thu 12/7/18	NA	NA	254,264	0%	-83 days
252	221420	RETAINING WALL - RW D17 (65M) + REVISED ALIGNMENT (SKJV NCE No. 33) + 59 days DELAY (INCLEMENT WEATHER FROM APR TO JUL 2017)	191 days	10 days	Tue 18/4/17	Wed 25/10/17	NA	NA	242SS,209	65%	-83 days
253	**221430**	**MP 6+160 - MP 6+230**	**268 days**		**Wed 31/5/17**	**Thu 22/2/18**	-	-		-	**-83 days**
254	221440	RETAINING WALL - RW D19A, B (53M)	120 days	7 days	Thu 26/10/17	Thu 22/2/18	NA	NA	255,252	0%	-83 days
255	221450	RETAINING WALL - RW D20 (U) (22M) + 47 DAY DELAY (INCLEMENT WEATHER FROM APR TO AUG 2017)	148 days	5 days	Wed 31/5/17	Wed 25/10/17	Wed 31/5/17	NA	261SS+10 days	90%	-83 days
256	**221460**	**MP 6+230 - MP 6+330**	**293 days**		**Fri 6/1/17**	**Wed 25/10/17**	-	-		-	**-83 days**
257	221470	RECTANGULAR CHANNEL	105 days	5 days	Fri 6/1/17	Thu 20/4/17	Fri 6/1/17	Thu 20/4/17	209SS	100%	0 days
258	221480	BOX CULVERT D5 + 4 DAY DELAY (INCLEMENT WEATHER) IN MAR & APR 17 + DELAY OF WORKS DUE TO REVISED DETAILS & ALIGNMENT OF STREAM DECKING (SKJV NCE No.20 & 32)	75 days	4 days	Sun 5/2/17	Thu 20/4/17	Sun 5/2/17	Thu 20/4/17	257SS+30 days	100%	0 days
259	221490	RETAINING WALL - RW D21(U) (26M) + 48 days DELAY (INCLEMENT WEATHER FROM MAY TO JUL 2017)	188 days	4 days	Fri 21/4/17	Wed 25/10/17	Fri 21/4/17	Sun 9/7/17	260,258,257	90%	-83 days
260	221500	BOX CULVERT D6 + 8 DAY DELAY (INCLEMENT WEATHER) IN MAR & APR 17 + DELAY OF WORKS DUE TO REVISED DETAILS & ALIGNMENT OF STREAM DECKING (SKJV NCE No. 20 & 32)	53 days	4 days	Mon 27/2/17	Thu 20/4/17	Mon 27/2/17	Thu 20/4/17	258SS+22 days	100%	0 days



Task — Summary — External Milestone — Inactive Summary — Manual Summary Rollup — Finish-only — Progress
Split — Project Summary — Inactive Task — Manual Task — Manual Summary — Critical — Deadline
Milestone — External Tasks — Inactive Milestone — Duration-only — Start-only — Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

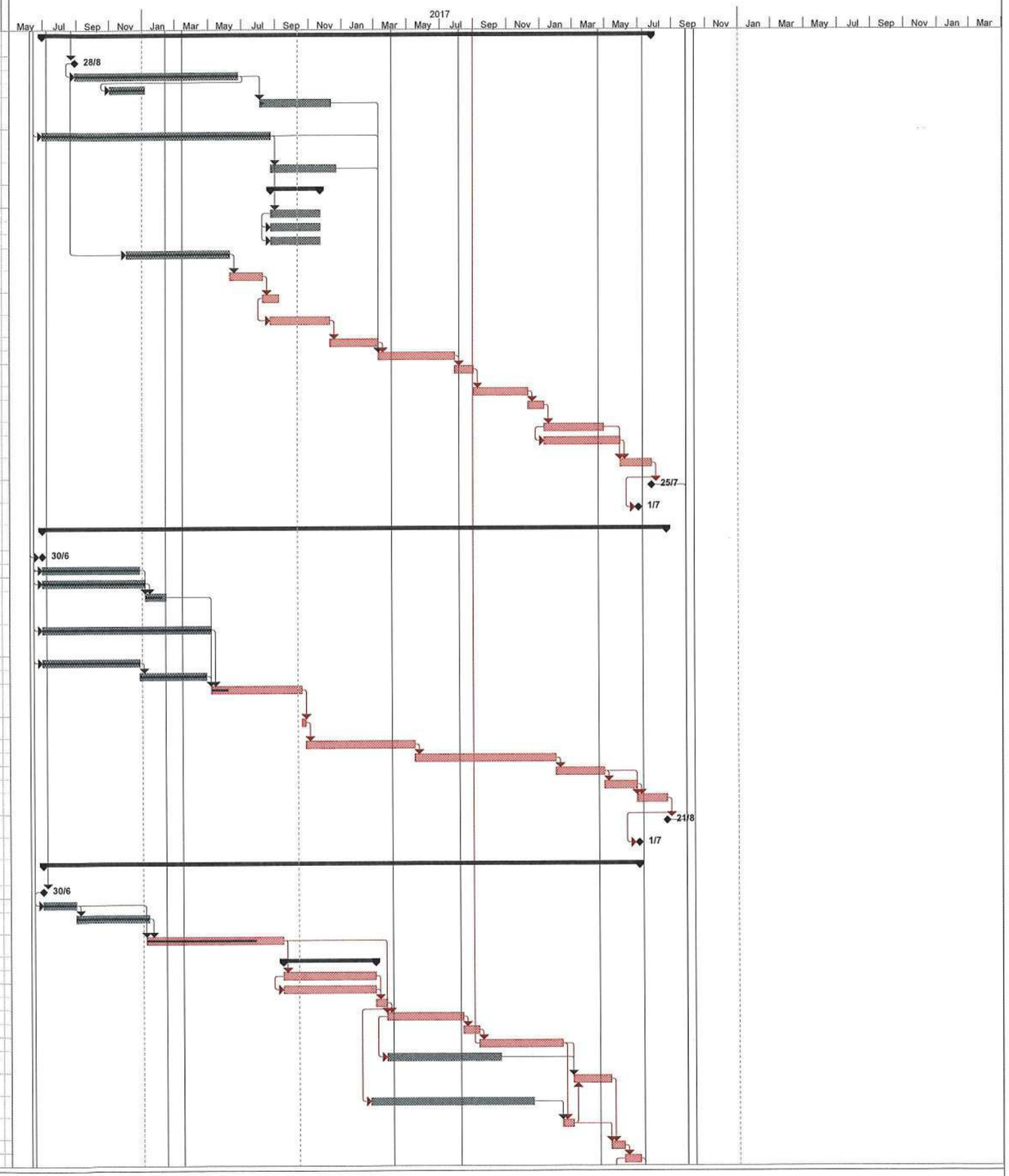
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack	R N
261	221510	RETAINING WALL - RW D22 (U) (26M) + 46 days DELAY (INCLEMENT WEATHER FROM MAY TO AUG 2017)	158 days	4 days	Sun 21/5/17	Wed 25/10/17	Sun 21/5/17	NA	259SS+30 days	50%	-83 days	
262	221520	RETAINING WALL - RW D23 (U) (21M) + 32 days DELAY (INCLEMENT WEATHER FROM MAY TO AUG 2017)	136 days	4 days	Sat 10/6/17	Mon 23/10/17	Sat 10/6/17	NA	261SS+20 days	50%	-81 days	
263	**221530**	**MP 6+372 - MP 6+410**	**708 days**		**Thu 26/10/17**	**Thu 3/10/19**	-	-		-	**141 days**	
264	221540	RETAINING WALL - RW D24 (44M)	120 days	5 days	Thu 26/10/17	Thu 22/2/18	NA	NA	262,259,261	0%	-83 days	
265	221545	DRAINAGE WORKS, EARTHWORKS AND ROAD WORKS FROM MP6+020 TO 6+530	287 days	10 days	Tue 24/7/18	Mon 6/5/19	NA	NA	251,252,254,255,259,261,262,264,2		-94 days	
266	221550	ROAD WORKS	150 days	5 days	Tue 7/5/19	Thu 3/10/19	NA	NA	265,239		-94 days	
267	221555	PORTION E - ANTICIPATED COMPLETION DATE	0 days	0 day	Thu 3/10/19	Thu 3/10/19	NA	NA	233,266		141 days	
268	221560	PORTION E - ORIGINAL COMPLETION DATE	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	233,266	0%	0 days	
269	**222000**	**PORTION F (MP 6+530 - MP 6+850, CH ST 0+150 - CH ST 1+150)**	**1111 days**		**Thu 30/6/16**	**Mon 15/7/19**	-	-		-	**751 days**	
270	222010	POSSESION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	204FS+151 days	100%	0 days	
271	222020	INITIAL SURVEY	215 days	4 days	Mon 28/11/16	Fri 30/6/17	Mon 28/11/16	Fri 30/6/17	270SS	100%	0 days	
272	222030	TREE SURVEY	40 days	4 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	270SS	100%	0 days	
273	222040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE + 14 days DELAY (INCLEMENT WEATHER IN AUG 17)	134 days	5 days	Sat 1/7/17	Sat 11/11/17	Sat 1/7/17	NA	272,271	10%	-14 days	
274	222050	UTILITIES DIVERSION WORKS (CLP, TOWN GAS)	90 days	0 day	Sun 12/11/17	Fri 9/2/18	-	-	273	-	1272 days	
275	222120	INSTRUCTION FOR SITE INVESTIGATION FOR CONTAMINATED SITE	250 days	0 day	Thu 30/6/16	Mon 6/3/17	Thu 30/6/16	Mon 6/3/17	2SS	100%	0 days	
276	222130	ARRANGEMENT OF SITE INVESTIGATION WORKS	21 days	2 days	Tue 7/3/17	Mon 27/3/17	Tue 7/3/17	Mon 27/3/17	275	100%	0 days	
277	222140	SITE INVESTIGATION WORKS AND TESTING	49 days	3 days	Tue 28/3/17	Mon 15/5/17	Tue 28/3/17	Mon 15/5/17	276,273SS+60 days	100%	0 days	
278	222145	AWAITING FOR INSTRUCTION FOR REMEDIAL WORKS FOR CONTAMINATED SOIL UP TO THIS PROG DATE	137 days	2 days	Tue 16/5/17	Fri 29/9/17	Tue 16/5/17	Mon 29/5/17	277	0%	-57 days	
279	222150	PREPARATION OF REMEDIAL WORKS FOR CONTAMINATED SOIL (ASSUMED)	60 days	3 days	Sat 30/9/17	Tue 28/11/17	NA	NA	278	0%	-57 days	
280	222155	IMPLEMENTATION OF REMEDIAL WORKS (ASSUMED)	80 days	5 days	Wed 29/11/17	Fri 16/2/18	NA	NA	279	0%	-57 days	
281	222160	GROUND INVESTIGATION WORKS (1 NO. BORE7OLE & TRIAL PITS)	14 days	2 days	Thu 23/3/17	Wed 5/4/17	Thu 23/3/17	Wed 5/4/17	271SS+115 days	100%	0 days	
282	222165	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Thu 6/4/17	Wed 26/4/17	Thu 6/4/17	Wed 26/4/17	281		269 days	
283	222170	INSTALLATION OF MONITORING MARKERS	21 days	2 days	Thu 27/4/17	Wed 17/5/17	Thu 27/4/17	Wed 17/5/17	282		269 days	
284	222180	RW 42 (60M)	95 days	7 days	Thu 18/10/18	Sun 20/1/19	NA	NA	371SS+40 days		11 days	
285	222190	RW 43 (50M)	85 days	5 days	Sat 17/2/18	Sat 12/5/18	NA	NA	283,273,280		-6 days	
286	222200	RW 44 (36M U)	85 days	5 days	Sun 13/5/18	Sun 5/8/18	NA	NA	285		-6 days	
287	222210	RAMP PR3 CONSTRUCTION	55 days	3 days	Mon 6/8/18	Sat 29/9/18	NA	NA	286		-6 days	
288	222215	EARTHWORKS AND DRAINAGE WORKS FOR RW42, 43 & 44	130 days	10 days	Mon 8/10/18	Thu 14/2/19	NA	NA	287,289		-14 days	
289	222220	EARTHWORKS AND DRAINAGE WORKS (Excluding RW42, 43 & 44) + 14 days due to inclement weather in Aug 17	330 days	10 days	Sun 12/11/17	Sun 7/10/18	NA	NA	273		-14 days	
290	222230	ROAD WORKS (1.3 KM)	151 days	10 days	Fri 15/2/19	Mon 15/7/19	NA	NA	284,288		-14 days	
291	222240	RESTING STATION R8	130 days	10 days	Fri 15/2/19	Mon 24/6/19	NA	NA	290SS		7 days	
292	222250	PORTION F - ANTICIPATED COMPLETION DATE	0 days	0 day	Mon 15/7/19	Mon 15/7/19	NA	NA	290,291		221 days	
293	222260	PORTION F - ORIGINAL COMPLETION DATE	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	290,291		0 days	
294	**223000**	**PORTION G - (BRIDGE C) CH ST 1+210 - CH ST 1+310)**	**1097 days**		**Thu 30/6/16**	**Mon 1/7/19**	-	-			**235 days**	
295	223010	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	204	100%	0 days	
296	223020	INITIAL SURVEY	60 days	5 days	Thu 30/6/16	Sun 28/8/16	Thu 30/6/16	Sun 28/8/16	295SS	100%	0 days	
297	223030	TREE SURVEY	130 days	10 days	Mon 29/8/16	Thu 5/1/17	Mon 29/8/16	Thu 5/1/17	296	100%	0 days	
298	223040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	120 days	10 days	Fri 6/1/17	Fri 5/5/17	Fri 6/1/17	Fri 5/5/17	297,296	100%	0 days	
299	223080	PREPARATION OF TDMP FOR GI WORKS	202 days	10 days	Thu 30/6/16	Tue 17/1/17	Thu 30/6/16	Tue 17/1/17	295SS	100%	0 days	
300	223090	APPROVAL OF TDMP BY SUPERVISOR/DSD	14 days	2 days	Wed 18/1/17	Tue 31/1/17	Wed 18/1/17	Tue 31/1/17	299	100%	0 days	
301	223100	PREDRILLING WORKS FOR PILES	65 days	3 days	Mon 29/8/16	Tue 1/11/16	Mon 29/8/16	Tue 1/11/16	296	100%	0 days	
302	223110	STARTING DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	NA	NA		0%	0 days	
303	223120	PRE-BORE H-PILE (8 NOS)	60 days	5 days	Wed 1/11/17	Sat 30/12/17	NA	NA	302,298	0%	2 days	
304	223130	LOAD TEST	45 days	5 days	Sun 31/12/17	Tue 13/2/18	NA	NA	303	0%	37 days	
305	223140	ABUTMENT CONSTRUCTION	80 days	7 days	Sun 31/12/17	Tue 20/3/18	NA	NA	303	0%	2 days	
306	223150	REMOVAL OF DRAINAGE DIVERSION WORKS	9 days	2 days	Wed 21/3/18	Thu 29/3/18	NA	NA	305,304	0%	2 days	
307	223160	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	NA	NA	306	0%	0 days	
308	223170	PROCURE AND DELIVERY OF BEARINGS AND MOVEMNT JOINTS	180 days	21 days	Sun 31/12/17	Thu 28/6/18	NA	NA	303	0%	95 days	
309	223180	INSTALLATION OF BEARINGS AND MOVEMENT JOINTS	30 days	2 days	Fri 29/6/18	Sat 28/7/18	NA	NA	308,305	0%	95 days	
310	223185	START DATE OF DRY SEASON	0 days	0 day	Thu 1/11/18	Thu 1/11/18	NA	NA	309	0%	0 days	
311	223190	BRIDGE DECK CONSTRUCTION WITH TDMP	60 days	5 days	Thu 1/11/18	Sun 30/12/18	NA	NA	310	0%	0 days	
312	223195	END DATE OF DRY SEASON	0 days	0 day	Sun 31/3/19	Sun 31/3/19	NA	NA	311	0%	0 days	
313	223200	EARTHWORKS AND DRAINAGE WORKS	30 days	2 days	Mon 31/12/18	Tue 29/1/19	NA	NA	311	0%	0 days	
314	223210	ROAD WORKS	153 days	10 days	Wed 30/1/19	Mon 1/7/19	NA	NA	313	0%	0 days	
315	223220	BRIDGE ASSOCIATED WORKS, WATERMAIN WORKS	123 days	10 days	Fri 1/3/19	Mon 1/7/19	NA	NA	314SS+30 days	0%	0 days	
316	223230	PORTION G - ANTICIPATED COMPLETION DATE	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	314,315		235 days	
317	223240	PORTION G - ORIGINAL COMPLETION DATE	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	314,315	0%	0 days	



Task
Split
Milestone
Summary
Project Summary
External Tasks
External Milestone
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
Critical
Critical Split
Progress
Deadline

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack	R N
318	**224000**	**PORTION H (CH ST 1+310 - 1+525, 1+700 - 2+270)**	**1121 days**		**Thu 30/6/16**	**Thu 25/7/19**	-	-		-	**741 days**	
319	224010	POSSESION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	204FS+60 days	100%	0 days	
320	224020	INITIAL SURVEY	300 days	4 days	Mon 29/8/16	Sat 24/6/17	Mon 29/8/16	Sat 24/6/17	319SS	100%	0 days	
321	224030	TREE SURVEY	65 days	4 days	Wed 2/11/16	Thu 5/1/17	Wed 2/11/16	Thu 5/1/17	320	100%	0 days	
322	224040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE + 14 days DELAY (INCLEMENT WEATHER IN AUG 17)	130 days	7 days	Fri 4/8/17	Mon 11/12/17	Fri 4/8/17	NA	320FS+40 days	20%	64 days	
323	224050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	420 days	10 days	Thu 30/6/16	Wed 23/8/17	Thu 30/6/16	Wed 23/8/17	204SS	100%	0 days	
324	**224060**	APPLIED TTA APPROVAL FOR REALIGNMENT FOR RW49	120 days	14 days	Thu 24/8/17	Thu 21/12/17	Thu 24/8/17	NA	323	10%	54 days	
325	224070	**UTILITIES DIVERSION WORKS (HKB, TGT & CLP)**	**90 days**	**0 day**	**Thu 24/8/17**	**Tue 21/11/17**	-	-		-	**1352 days**	
326	224080	HKB	90 days	5 days	Thu 24/8/17	Tue 21/11/17	Thu 24/8/17	NA	323	0%	1352 days	
327	224090	TGT	90 days	5 days	Thu 24/8/17	Tue 21/11/17	Thu 24/8/17	NA	326SS	0%	1352 days	
328	224100	CLP	90 days	5 days	Thu 24/8/17	Tue 21/11/17	Thu 24/8/17	NA	326SS	0%	1352 days	
329	224110	GROUND INVESTIGATION WORKS (6 NOS. BOREHOLE & TRIAL PITS)	190 days	4 days	Fri 2/12/16	Fri 9/6/17	Fri 2/12/16	Fri 9/6/17	320SS+95 days	100%	0 days	
330	224120	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	60 days	2 days	Sat 10/6/17	Tue 8/8/17	Sat 10/6/17	Tue 8/8/17	329	0%	-24 days	
331	224130	INSTALLATION OF MONITORING MARKERS	30 days	2 days	Wed 9/8/17	Thu 7/9/17	Wed 9/8/17	Thu 7/9/17	330	0%	-24 days	
332	224140	RW 45A (73M) + 24 Day DELAY DUE TO INCLEMENT WEATHER FROM JUL TO AUG 17	109 days	10 days	Wed 23/8/17	Sat 9/12/17	Wed 23/8/17	NA	331SS+14 days	10 %	-24 days	
333	224150	RW 45B (58M)	90 days	10 days	Sun 10/12/17	Fri 9/3/18	NA	NA	332	0%	-24 days	
334	224160	RW 49 (130M)	140 days	5 days	Sat 10/3/18	Fri 27/7/18	NA	NA	322,323,324,333	0%	-24 days	
335	224165	ROAD WORKS FOR RE-ALIGNMENT CARRIAGEWAY FOR RW49	35 days	0 day	Sat 28/7/18	Fri 31/8/18	NA	NA	334	0%	-24 days	
336	224170	DW1 & DW1A (130M)	100 days	10 days	Sat 1/9/18	Sun 9/12/18	NA	NA	335	0%	-24 days	
337	224175	ROAD WORKS FOR REALIGNMENT CARRIAGEWAY FOR DW1	30 days	0 day	Mon 10/12/18	Tue 8/1/19	NA	NA	336	0%	-24 days	
338	224180	DW2 (92M)	110 days	10 days	Wed 9/1/19	Sun 28/4/19	NA	NA	337	0%	-24 days	
339	224190	EARTHWORKS AND DRAINAGE WORKS FOR DW2	140 days	14 days	Wed 9/1/19	Tue 28/5/19	NA	NA	338SS	0%	-24 days	
340	224220	ROAD WORKS	58 days	5 days	Wed 29/5/19	Thu 25/7/19	NA	NA	339,338	0%	-24 days	
341	224230	PORTION H - ANTICIPATED COMPLETION DATE	0 days	0 day	Thu 25/7/19	Thu 25/7/19	NA	NA	340		211 days	
342	224240	PORTION H - ORIGINAL COMPLETION DATE	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	340	0%	0 days	
343	**225000**	**PORTION I (SUBWAY D)**	**1148 days**		**Thu 30/6/16**	**Wed 21/8/19**	-	-		-	**184 days**	
344	225010	POSSESSION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	
345	225020	INITIAL SURVEY	180 days	14 days	Thu 30/6/16	Mon 26/12/16	Thu 30/6/16	Mon 26/12/16	344SS	100%	0 days	
346	225030	TREE SURVEY	190 days	14 days	Thu 30/6/16	Thu 5/1/17	Thu 30/6/16	Thu 5/1/17	345SS	100%	0 days	
347	225040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE + 8 DAY DELAY (INCLEMENT WEATHER) IN DEC 17	38 days	2 days	Fri 6/1/17	Sun 12/2/17	Fri 6/1/17	Sun 12/2/17	346,345	100%	113 days	
348	225050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	310 days	14 days	Thu 30/6/16	Fri 5/5/17	Thu 30/6/16	Fri 5/5/17	204SS	100%	0 days	
349	225060	TTM PREPARATION	180 days	4 days	Thu 30/6/16	Mon 26/12/16	Thu 30/6/16	Mon 26/12/16	2SS	100%	0 days	
350	225070	TTM APPROVAL BY RSS/TMLG	121 days	4 days	Tue 27/12/16	Wed 26/4/17	Tue 27/12/16	Wed 26/4/17	349	100%	0 days	
351	225080	SUBWAY D CONSTRUCTION, BAY 9 - 11, WITH PUMP ROOM + 53 Days DELAY (INCLEMENT WEATHER TILL JUL TO AUG 2017)	166 days	10 days	Sat 6/5/17	Wed 18/10/17	Sat 6/5/17	NA	350,347,348	20%	-51 days	
352	225085	TTA FOR SUBWAY D CONSTRUCTION, BAY 6 TO 8	7 days	0 day	Thu 19/10/17	Wed 25/10/17	NA	NA	351	0%	-51 days	
353	225090	SUBWAY D CONSTRUCTION, BAY 6 TO-8	200 days	5 days	Thu 26/10/17	Sun 13/5/18	NA	NA	352	0%	-51 days	
354	225100	REMAINING RAMP (TOTAL : 11 BAYS)	260 days	15 days	Mon 14/5/18	Mon 28/1/19	NA	NA	353	0%	-51 days	
355	225110	FINISHING WORKS AND E&M WORKS	90 days	6 days	Tue 29/1/19	Sun 28/4/19	NA	NA	354	0%	-51 days	
356	225120	EARTHWORKS AND DRAINAGE WORKS	60 days	3 days	Mon 29/4/19	Thu 27/6/19	NA	NA	355	0%	-51 days	
357	225130	ROAD WORKS	55 days	3 days	Fri 28/6/19	Wed 21/8/19	NA	NA	356,355	0%	-51 days	
358	225140	PORTION I - ANTICIPATED COMPLETION DATE	0 days	0 day	Wed 21/8/19	Wed 21/8/19	NA	NA	357		184 days	
359	225150	PORTION I - ORIGINAL COMPLETION DATE	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	357	0%	0 days	
360	**226000**	**PORTION N (BRIDGE B)**	**1097 days**		**Thu 30/6/16**	**Mon 1/7/19**	-	-		-	**765 days**	
361	226010	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	204	100%	0 days	
362	226020	INITIAL SURVEY	60 days	5 days	Thu 30/6/16	Sun 28/8/16	Thu 30/6/16	Sun 28/8/16	361SS	100%	0 days	
363	226030	TREE SURVEY + 5 DAY DELAY (INCLEMENT WEATHER) IN AUG 2016	135 days	10 days	Mon 29/8/16	Tue 10/1/17	Mon 29/8/16	Tue 10/1/17	362	100%	0 days	
364	226040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	250 days	5 days	Fri 6/1/17	Tue 12/9/17	Fri 6/1/17	NA	363,362	80%	0 days	
365	**226050**	**UTILITIES DIVERSION WORKS (CLP & TOWN GAS)**	**170 days**	**10 days**	**Wed 13/9/17**	**Thu 1/3/18**	-	-		-	**0 days**	
366	226080	CLP	170 days	0 days	Wed 13/9/17	Thu 1/3/18	NA	NA	364	0%	0 days	
367	226090	TOWN GAS	170 days	0 days	Wed 13/9/17	Thu 1/3/18	NA	NA	366SS	0%	0 days	
368	226100	PRE-DRILLING WORKS FOR PILES	20 days	1 days	Fri 2/3/18	Wed 21/3/18	NA	NA	366,367		0 days	
369	226110	PILE WORKS	140 days	4 days	Thu 22/3/18	Wed 8/8/18	NA	NA	368,364		0 days	
370	226120	PILE LOAD TEST	30 days	1 days	Thu 9/8/18	Fri 7/9/18	NA	NA	369		0 days	
371	226130	ABUTMENT CONSTRUCTION	153 days	5 days	Sat 8/9/18	Thu 7/2/19	NA	NA	370		0 days	
372	226140	OFFSITE FABRICATION OF STEEL BRIDGE MEMBERS	210 days	10 days	Thu 22/3/18	Wed 17/10/18	NA	NA	369SS		133 days	
373	226150	STEEL TRUSS AND DECK CONSTRUCTION ON SITE	70 days	2 days	Thu 28/2/19	Wed 8/5/19	NA	NA	372,371,375		0 days	
374	226160	PROCURE AND DELIVERY OF BEARINGS AND MOVEMENT JOINTS	300 days	10 days	Tue 20/2/18	Sun 16/12/18	NA	NA	368FS-30 days		53 days	
375	226170	INSTALLATION OF BEARINGS AND MOVEMENT JOINTS	20 days	2 days	Fri 8/2/19	Wed 27/2/19	NA	NA	374,371		0 days	
376	226180	EARTHWORKS AND DRAINAGE WORKS	24 days	2 days	Thu 9/5/19	Sat 1/6/19	NA	NA	373,375		0 days	
377	226190	ROAD WORKS	30 days	2 days	Sun 2/6/19	Mon 1/7/19	NA	NA	376		0 days	



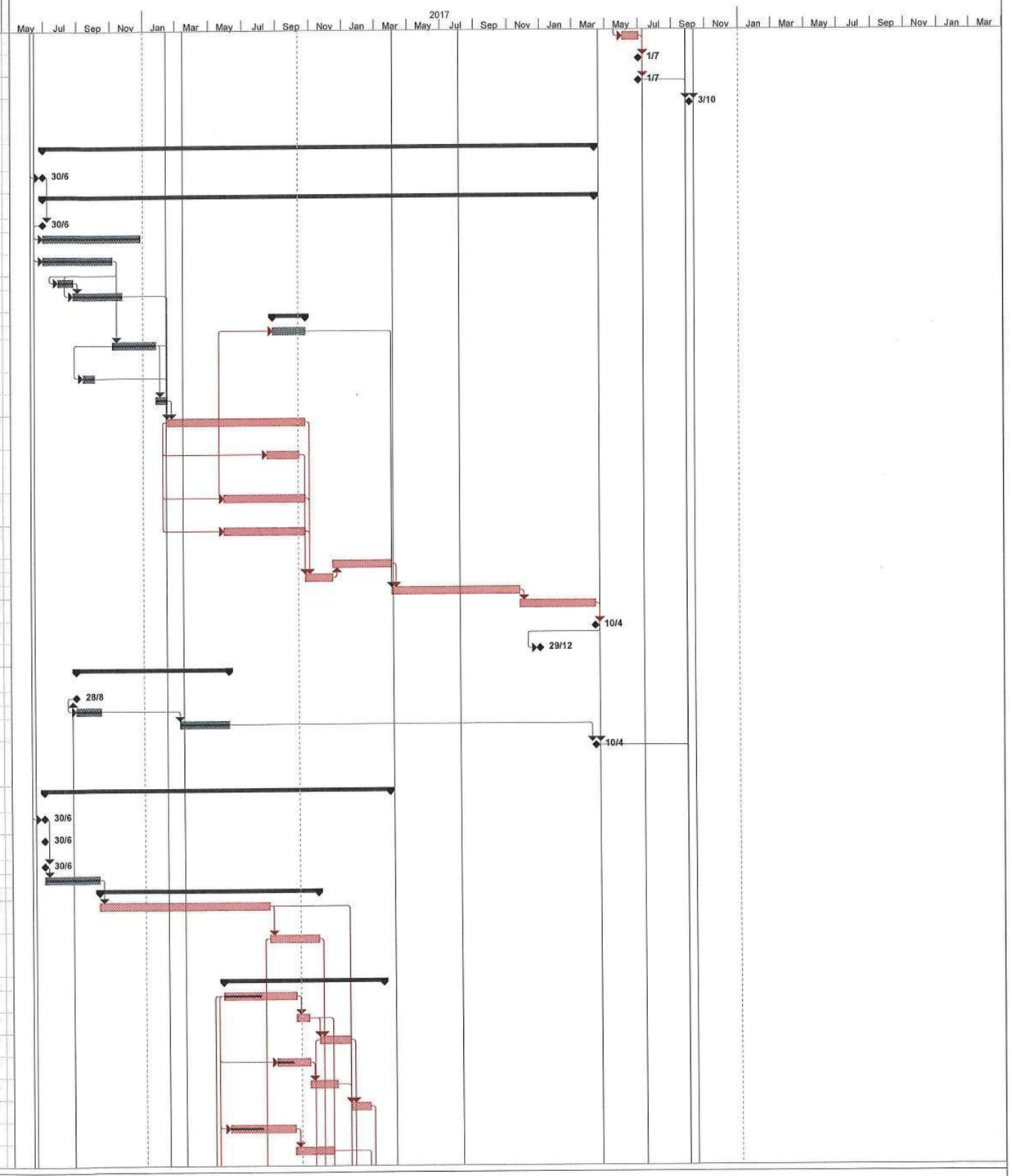
Task — Summary — External Milestone — Inactive Summary — Manual Summary Rollup — Finish-only — Progress
Split — Project Summary — Inactive Task — Manual Task — Manual Summary — Critical — Deadline
Milestone — External Tasks — Inactive Milestone — Duration-only — Start-only — Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

CEDD CONTRACT NO. YL/2015/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - REMAINING WORKS
UPDATE ACCEPTED PROGRAMME

SANG HING - KULY JOINT VENTURE
29 SEPT 2017

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack	R N
378	226200	BRIDGE ASSOCIATED WORKS AND WATERMAIN WORKS	30 days	2 days	Sun 2/6/19	Mon 1/7/19	NA	NA	377SS		0 days	
379	226210	PORTION N - ANTCIPATED COMPLETION DATE	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	377,378		765 days	
380	226220	PORTION N - ORIGINAL COMPLETION DATE	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	377,378		0 days	
381	**220030**	**SECTION W2 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Thu 3/10/19**	**Thu 3/10/19**	**NA**	**NA**	**292,316,341,358,380,267**		**141 days**	
382		**SECTION W3 (PORTION K & J1)**	**1015 days**		**Thu 30/6/16**	**Wed 10/4/19**	-	-		-	**143 days**	
383	230010	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	
384	**231000**	**PORTION K (CH KW 1+360 - CH KW 2+070)**	**1015 days**		**Thu 30/6/16**	**Wed 10/4/19**	-	-		-	**-102 days**	
385	231010	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	383	100%	0 days	
386	231020	APPLICATION AND OBTAIN APPROVAL FROM MTRC FOR WORKS AT RPA	180 days	0 day	Thu 30/6/16	Mon 26/12/16	Thu 30/6/16	Mon 26/12/16	385SS	100%	0 days	
387	231030	INITIAL SURVEY (+ 8 DAY DELAY IN AUG & SEP 16)	128 days	2 days	Thu 30/6/16	Fri 4/11/16	Thu 30/6/16	Fri 4/11/16	385SS	100%	0 days	
388	231040	TREE SURVEY	28 days	2 days	Thu 28/7/16	Wed 24/8/16	Thu 28/7/16	Wed 24/8/16	387	100%	0 days	
389	231050	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	90 days	7 days	Thu 25/8/16	Tue 22/11/16	Thu 25/8/16	Tue 22/11/16	388,387	100%	0 days	
390	**231060**	**UTILITIES DIVERSION WORKS (CLP)**	**60 days**	**0 day**	**Sat 26/8/17**	**Tue 24/10/17**	-	-		-	**55 days**	
391	231070	CLP	60 days	5 days	Sat 26/8/17	Tue 24/10/17	Sun 27/8/17	NA	397SS+90 days	30%	55 days	
392	231100	GROUND INVESTIGATION WORKS (4 NOS. BOREHOLES & TRIAL PITS + 12 DAYS DELAY IN AUG, SEP & OCT 16	80 days	5 days	Sat 5/11/16	Mon 23/1/17	Sat 5/11/16	Mon 23/1/17	387	100%	0 days	
393	231110	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Mon 12/9/16	Sun 2/10/16	Mon 12/9/16	Sun 2/10/16	392SS	100%	0 days	
394	231120	INSTALLATION OF MONITORING MARKERS	21 days	2 days	Tue 24/1/17	Mon 13/2/17	Tue 24/1/17	Mon 13/2/17	392	100%	0 days	
395	231130	RW 29C (66m) + 59 Days DELAY DUE TO INCLEMENT WEATHER (MAR TO AUG 2017)	252 days	7 days	Tue 14/2/17	Mon 23/10/17	Sat 10/12/16	NA	389,392,394,393	95%	-102 days	
396	231135	EARTHWORKS AND DRAINAGE WORKS, KW1+360-KW1+460; KW 1+600-KW1+900; KW1+2140 - KW2+450 + 14 days Delay due to Inclement Weather in Aug 17	59 days	0 day	Tue 15/8/17	Thu 12/10/17	Sat 12/8/17	NA	395SS+182 days	10%	-91 days	
397	231140	RW 29B (50m) + 59 Days DELAY DUE TO INCLEMENT WEATHER (MAY TO AUG 2017)	149 days	7 days	Sun 28/5/17	Mon 23/10/17	Mon 29/5/17	NA	395SS+103 days	85%	-102 days	
398	231150	RW 29A (90m) + 59 Days DELAY DUE TO INCLEMENT WEATHER (MAY TO AUG 2017)	149 days	7 days	Sun 28/5/17	Mon 23/10/17	Mon 29/5/17	NA	395SS+103 days	40%	-102 days	
399	231160	RW 27 (90m)	108 days	7 days	Wed 13/12/17	Fri 30/3/18	NA	NA	400	0%	-102 days	
400	231170	STREAM DECKING D9	50 days	7 days	Tue 24/10/17	Tue 12/12/17	NA	NA	397,398,396,395	0%	-102 days	
401	231180	EARTHWORKS AND DRAINAGE WORKS	236 days	21 days	Sat 31/3/18	Wed 21/11/18	NA	NA	399,391	0%	-102 days	
402	231190	ROAD WORKS	140 days	21 days	Thu 22/11/18	Wed 10/4/19	NA	NA	401	0%	-102 days	
403		PORTION K - ANTICIPATED COMPLETION DATE	0 days	0	Wed 10/4/19	Wed 10/4/19	NA	NA	402	0%	-102 days	
404	231195	PORTION K - ORIGINAL COMPLETION DATE	0 days	0 day	Sat 29/12/18	Sat 29/12/18	NA	NA	403	0%	0 days	
405	**232000**	**PORTION J1**	**280 days**		**Sun 28/8/16**	**Sun 4/6/17**	-	-		-	**0 days**	
406	232010	POSSESION OF SITE (J1)	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	523FS+60 days	0%	0 days	
407	232020	INITIAL SURVEY	45 days	4 days	Mon 29/8/16	Wed 12/10/16	Mon 29/8/16	Wed 12/10/16	406SS	100%	0 days	
408	232030	SITE INVESTIGATION	90 days	10 days	Tue 7/3/17	Sun 4/6/17	Tue 7/3/17	Sun 4/6/17	407	100%	0 days	
409	**230040**	**SECTION W3 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER TILL JULY 2017 & OTHERS ISSUE**	**0 days**	**0 day**	**Wed 10/4/19**	**Wed 10/4/19**	NA	NA	**403,408**	-	**143 days**	
410	**230050**	**SECTION W4 PUBLIC TOILET**	**634 days**		**Thu 30/6/16**	**Sun 25/3/18**	-	-		-	**147 days**	
411	230060	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	
412	**230070**	**PORTION L**	**0 days**		**Thu 30/6/16**	**Thu 30/6/16**	-	-		-	**0 days**	
413	230080	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	411	100%	0 days	
414	230090	DOCUMENT SUBMISSION	100 days	7 days	Thu 30/6/16	Fri 7/10/16	Thu 30/6/16	Fri 7/10/16	413	100%	0 days	
415	**230100**	**R.C. WORKS AND U/G DRAINAGE**	**402 days**		**Sat 8/10/16**	**Mon 13/11/17**	-	-		-	**-75 days**	
416	241040	R.C. STRUCTURE UP TO ROOF + 80 DAYS INCLEMENT WEATHER DELAY (TILL AUG 2017)	312 days	10 days	Sat 8/10/16	Tue 15/8/17	Sat 8/10/16	15/8/17	414	100%	-75 days	
417	241050	INTERNAL WALL, GROUND SLAB, CABLE TROUGH AND DRAINAGE WORKS + 1 days Delay due to Inclement Weather in Aug 2017	90 days	4 days	Wed 16/8/17	Mon 13/11/17	16/8/17	NA	416	10%	-75 days	
418	**241060**	**INTERNAL FINISHING**	**293 days**		**Tue 23/5/17**	**Sun 11/3/18**	-	-		-	**-72 days**	
419	241070	SUBMISSION AND APPROVAL OF INTERNAL FINISHES (PAINTING, TILES)	133 days	0 day	Tue 23/5/17	Mon 2/10/17	Tue 23/5/17	NA		70%	-55 days	
420	241080	ORDER & DELIVERY OF INTERNAL FINISHES (PAINTING, TILES)	23 days	2 days	Tue 3/10/17	Wed 25/10/17	NA	NA	419	0%	-55 days	
421	241090	INSTALLATION OF INTERNAL FINISHES (PAINTING, TILES)	57 days	3 days	Tue 14/11/17	Tue 9/1/18	NA	NA	420,417	0%	-74 days	
422	241100	SUBMISSION AND APPROVAL OF CUBICLE PARTITION SYSTEM	60 days	0 day	Mon 28/8/17	Thu 26/10/17	Mon 28/8/17	NA	419SS+97 days	50%	-49 days	
423	241110	ORDER & DELVIERY OF CUBICLE PARTITION SYSTEM	50 days	2 days	Fri 27/10/17	Fri 15/12/17	NA	NA	422	0%	-49 days	
424	241120	INSTALLATION OF CUBICLE PARTITION SYSTEM	35 days	2 days	Wed 10/1/18	Tue 13/2/18	NA	NA	421,423	0%	-74 days	
425	241130	SUBMISSION AND APPROVAL OF SANITARY FITTING	120 days	0 day	Fri 2/6/17	Fri 29/9/17	Fri 2/6/17	NA	419SS+10 days	50%	-7 days	
426	241140	ORDER & DELVIERY OF SANITARY FITTING	70 days	2 days	Sat 30/9/17	Fri 8/12/17	NA	NA	425	0%	-7 days	



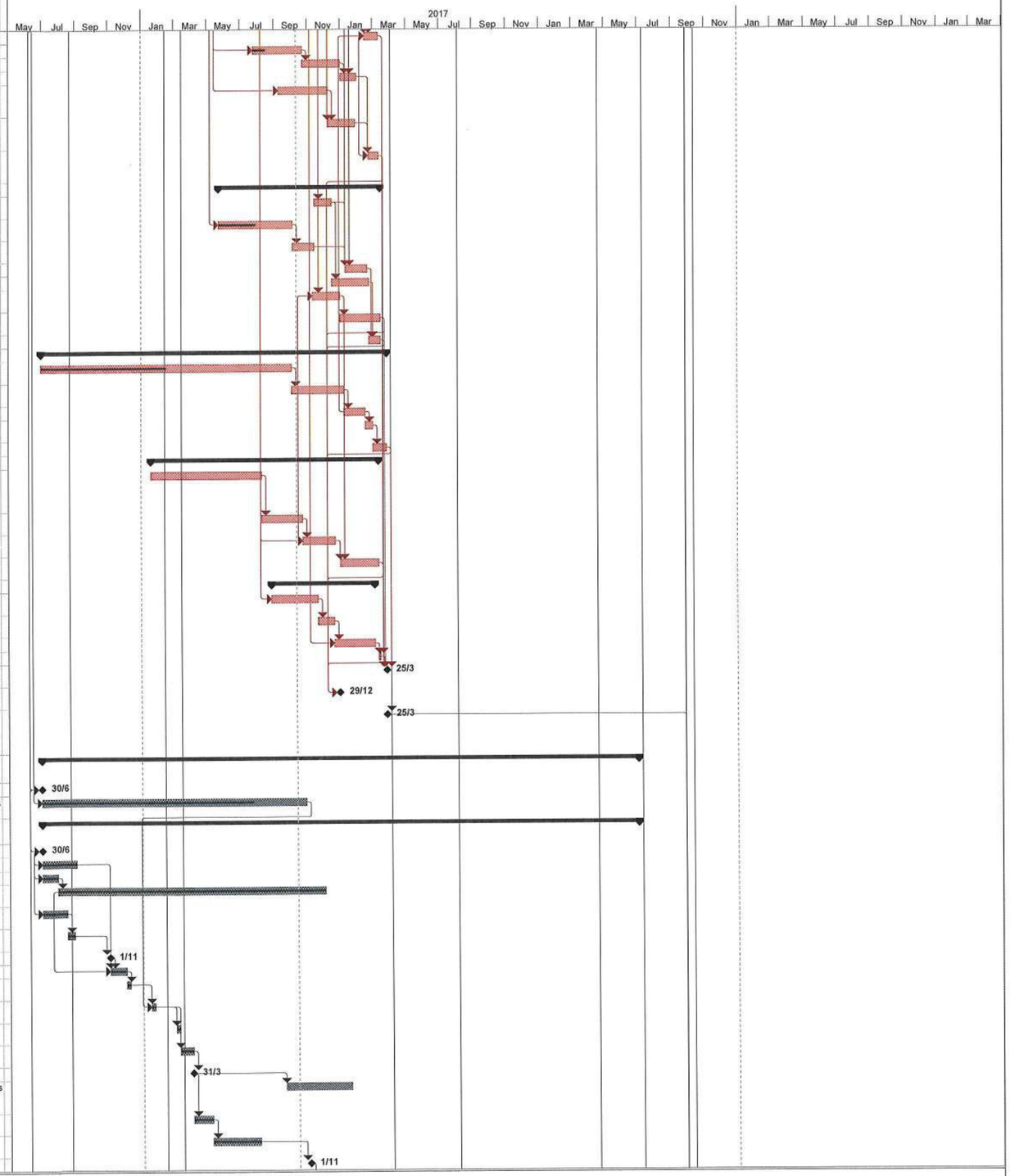
Task | Summary | External Milestone | Inactive Summary | Manual Summary Rollup | Finish-only | Progress
Split | Project Summary | Inactive Task | Manual Task | Manual Summary | Critical | Deadline
Milestone | External Tasks | Inactive Milestone | Duration-only | Start-only | Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

CEDD CONTRACT NO. YL/2015/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - REMAINING WORKS
UPDATE ACCEPTED PROGRAMME

SANG HING - KULY JOINT VENTURE
29 SEPT 2017

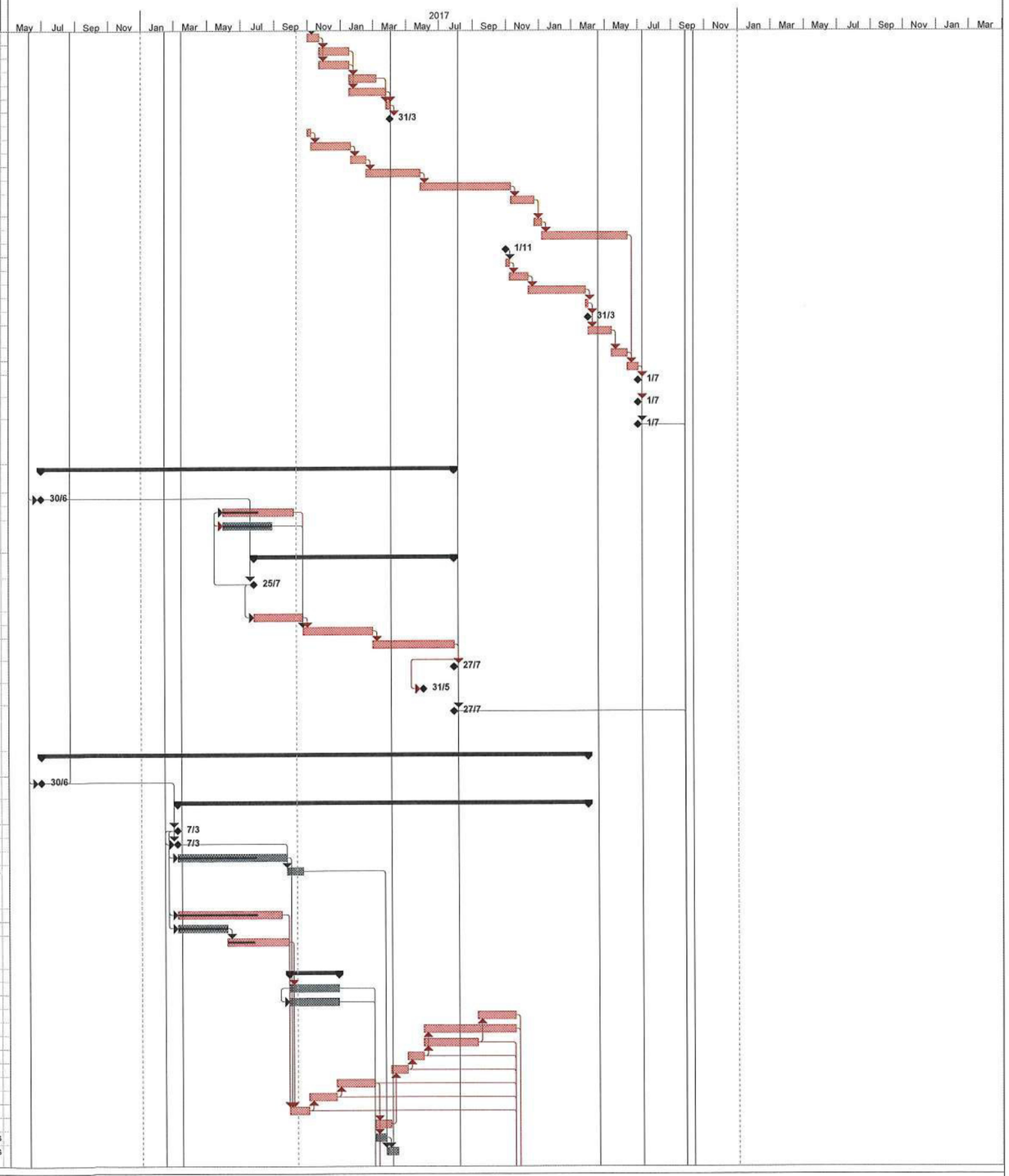
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack	R N
427	241150	INSTALLATION OF SANITARY FITTING	25 days	2 days	Wed 14/2/18	Sat 10/3/18	NA	NA	426,424,446SS	0%	-74 days	
428	241160	SUBMISSION AND APPROVAL OF DOORS & LOUVER	90 days	0 day	Tue 25/7/17	Sun 22/10/17	Thu 27/7/17	NA	419SS+63 days	25%	-51 days	
429	241170	ORDER & DELVIERY OF DOORS & LOUVER	70 days	2 days	Mon 23/10/17	Sun 31/12/17	NA	NA	428	0%	-51 days	
430	241180	INSTALLATION OF DOORS & LOUVER	30 days	1 day	Mon 1/1/18	Tue 30/1/18	NA	NA	429,421FS-10 days	0%	-51 days	
431	241190	SUBMISSION AND APPROVAL OF OTHER INTERNAL FINISHING (e.g. WASH HAND BASIN, SIGNAGE & SO ON)	90 days	0 day	Sun 10/9/17	Fri 8/12/17	NA	NA	419SS+110 days	0%	-48 days	
432	241200	ORDER & DELIVERY OF OTHER INTERNAL FINISHING (e.g. WASH HAND BASIN, SIGNAGE& SO ON)	50 days	2 days	Sat 9/12/17	Sat 27/1/18	NA	NA	431,420	0%	-48 days	
433	241210	INSTALLATION OF OTHER INTERNAL FINISHING (e.g. WASH HAND BASIN, SIGNAGE& SO ON)	19 days	2 days	Wed 21/2/18	Sun 11/3/18	NA	NA	432,427SS+7 days,430	0%	-72 days	
434	**241220**	**EXTERNAL FINISHING**	**296 days**		**Tue 23/5/17**	**Wed 14/3/18**				-	**-75 days**	
435	241230	WATERPROOFING FOR EXTERNAL SURFACE	32 days	3 days	Tue 14/11/17	Fri 15/12/17	NA	NA	417	0%	-75 days	
436	241240	SUBMISSION AND APPROVAL OF EXTERNAL FINISHING	135 days	3 days	Tue 23/5/17	Wed 4/10/17	Tue 23/5/17	NA	419SS	50%	-15 days	
437	241250	ORDER & DELVIERY OF EXTERNAL FINISHING	40 days	2 days	Thu 5/10/17	Mon 13/11/17	NA	NA	436	0%	-15 days	
438	241260	INSTALLATION OF EXTERNAL FINISHING	40 days	3 days	Wed 10/1/18	Sun 18/2/18	NA	NA	435,437,416,421	0%	-72 days	
439	241270	STEEL HOLLOW SECTION AT ROOF	68 days	3 days	Sat 16/12/17	Wed 21/2/18	NA	NA	435	0%	-75 days	
440	241280	EQUALIZATION & SLUDE HOLDING TANKS, SOAP AWAY PIT	50 days	5 days	Sat 11/11/17	Sat 30/12/17	NA	NA	452SS+7 days,417FS-3 days	0%	-75 days	
441	241290	EARTHWORKS, PAVEMENT & LANDSCAPING WORKS	74 days	3 days	Sun 31/12/17	Wed 14/3/18	NA	NA	440	0%	-75 days	
442	241300	EXTERNAL MISC. WORK	21 days	2 days	Thu 22/2/18	Wed 14/3/18	NA	NA	438,439	0%	-75 days	
443	**241310**	**WATERWORKS**	**634 days**		**Thu 30/6/16**	**Sun 25/3/18**	-	-		-	**-86 days**	
444	241320	SUBMISSION AND APPROVAL OF WA FORM WWO 542 (BY SUPERVISOR / PM)	460 days	0 day	Thu 30/6/16	Mon 2/10/17	Thu 30/6/16	Tue 6/6/17		50%	-86 days	
445	241330	SUBMISSION AND APPROVAL OF WA FORM WWO 046 (BY SKJV)	96 days	0 day	Tue 3/10/17	Sat 6/1/18	NA	NA	444	0%	-86 days	
446	241340	INSTALLATION OF PLUMBLING WORKS	39 days	2 days	Sun 7/1/18	Wed 14/2/18	NA	NA	445	0%	-86 days	
447	241350	WSD INSPECETION ON COMPLETED PLUMBLING WORKS	14 days	1 day	Thu 15/2/18	Wed 28/2/18	NA	NA	446	0%	-86 days	
448	241360	WSD METER CONNECTION BY WSD	25 days	1 days	Thu 1/3/18	Sun 25/3/18	NA	NA	447	0%	-86 days	
449	**241370**	**BIO-TREATMENT PLANT**	**417 days**		**Wed 18/1/17**	**Sat 10/3/18**	-	-		-	**-71 days**	
450	241380	SUBMISSION AND APPROVAL OF BIO-TREATMENT PLANT (BTP) + DELAY OF THE WORKS DUE TO BELATED APPROVAL OF BTP (SKJV NCE No.47)	203 days	0 day	Wed 18/1/17	Tue 8/8/17	Wed 18/1/17	Tue 8/8/17		100%	-63 days	
451	241390	ORDER AND DELVIERY OF BIO-TREATMENT PLANT	75 days	2 days	Wed 9/8/17	Sun 22/10/17	Wed 9/8/17	NA	450	25%	-63 days	
452	241400	INSTALLATION OF BIO-TREATMENT PLANT	60 days	3 days	Mon 23/10/17	Thu 21/12/17	NA	NA	451,417SS+20 days	0%	-63 days	
453	241410	TESTING & COMMISSIONING FOR BIO-TREATMENT PLANT	70 days	2 days	Sun 31/12/17	Sat 10/3/18	NA	NA	452,440	0%	-71 days	
454	241420	**E&M and MVAC WORKS**	**189 days**		**Sun 27/8/17**	**Sat 3/3/18**	-	-		-	**-67 days**	
455	241430	SUBMISSION AND APPROVAL OF E&M and MVAC WORKS	85 days	0 day	Sun 27/8/17	Sun 19/11/17	Fri 11/8/17	NA	417SS+11 days		-67 days	
456	241440	ORDER & DELVIERY OF E&M and MVAC WORKS	30 days	2 days	Mon 20/11/17	Tue 19/12/17	NA	NA	455	0%	-67 days	
457	241450	INSTALLATION OF E&M and MVAC WORKS	74 days	5 days	Wed 20/12/17	Sat 3/3/18	NA	NA	421SS,456	0%	-67 days	
458	241455	**FINAL TESTING & COMMISSIONING**	3 days	1 days	Sun 11/3/18	Tue 13/3/18	NA	NA	457,427	0%	-74 days	
459	241460	PORTION L - ANTICPATED COMPLETION DATE	0 days	0 day	Sun 25/3/18	Sun 25/3/18	NA	NA	433,441,442,448,458,453		147 days	
460	241465	PORTION L - ORIGINAL COMPLETION DATE	0 days	0 day	Fri 29/12/17	Fri 29/12/17	NA	NA	433,441,442,448,458,453	0%	0 days	
461	**241480**	**SECTION W4 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Sun 25/3/18**	**Sun 25/3/18**	NA	NA	**459**	-	**147 days**	
462	**250000**	**SECTION W5 (PORTION M)**	**1097 days**		**Thu 30/6/16**	**Mon 1/7/19**	-	-		-	**765 days**	
463	250010	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	
464	250020	APPLICATION OF EXCAVATION PERMIT	485 days	0 day	Thu 30/6/16	Fri 27/10/17	Thu 30/6/16	Fri 27/10/17	2SS	80%	1377 days	
465	**251000**	**PORTION M (BRIDGE E)**	**1097 days**		**Thu 30/6/16**	**Mon 1/7/19**	-	-		-	**765 days**	
466	251010	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	463SS	100%	0 days	
467	251020	INITIAL SURVEY	63 days	2 days	Thu 30/6/16	Wed 31/8/16	Thu 30/6/16	Wed 31/8/16	466SS	100%	0 days	
468	251030	TREE SURVEY	28 days	2 days	Thu 30/6/16	Wed 27/7/16	Thu 30/6/16	Wed 27/7/16	466SS	100%	0 days	
469	251040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	491 days	5 days	Thu 28/7/16	Thu 30/11/17	Thu 28/7/16	Thu 30/11/17	468	100%	0 days	
470	251050	PREPARATION TDMP FOR PRE-DRILLING WORKS	45 days	4 days	Thu 30/6/16	Sat 13/8/16	Thu 30/6/16	Sat 13/8/16	466SS	100%	0 days	
471	251060	APPROVAL OF TDMP FOR PRE-DRILLING WORKS BY SUPERVISOR/DSD	14 days	2 days	Sun 14/8/16	Sat 27/8/16	Sun 14/8/16	Sat 27/8/16	470	100%	0 days	
472	251070	STARTING DATE OF DRY SEASON	0 days	0 day	Tue 1/11/16	Tue 1/11/16	Tue 1/11/16	Tue 1/11/16	471	100%	0 days	
473	251080	TEMPORARY DRAINAGE WORKS	30 days	4 days	Tue 1/11/16	Wed 30/11/16	Tue 1/11/16	Wed 30/11/16	472,467,469SS+10 days	100%	0 days	
474	251090	PRE-DRILLING WORKS FOR PILES AT GRID 2	7 days	4 days	Thu 1/12/16	Wed 7/12/16	Thu 1/12/16	Wed 7/12/16	473	100%	0 days	
475	251100	PRE-DRILLING WORKS FOR PILES AT GRID 3	7 days	4 days	Sun 15/1/17	Sat 21/1/17	Sun 15/1/17	Sat 21/1/17	474,464	100%	0 days	
476	251110	PRE-DRILLING WORKS FOR PILES AT GRID 1	7 days	4 days	Wed 1/3/17	Tue 7/3/17	Wed 1/3/17	Tue 7/3/17	475	100%	0 days	
477	251120	REMOVAL OF TEMPORARY DRAINAGE WORK	24 days	2 days	Wed 8/3/17	Fri 31/3/17	Wed 8/3/17	Fri 31/3/17	475FS+7 days	100%	0 days	
478	251130	END DATE OF DRY SEASON	0 days	0 day	Fri 31/3/17	Fri 31/3/17	Fri 31/3/17	Fri 31/3/17	477	100%	0 days	
479	251140	SUBMISSION, APPROVAL, PROCURE AND DELIVERY OF BEARINGS AND MOVEMENT JOINTS	120 days	30 days	Mon 18/9/17	Mon 15/1/18	NA	NA	478FS+170 days	0%	1297 days	
480	251150	PREPARATION OF TDMP FOR PILING WORKS	36 days	7 days	Sat 1/4/17	Sat 6/5/17	Sat 1/4/17	Sat 6/5/17	478	100%	0 days	
481	251160	APPROVAL OF TDMP FOR PILING WORKS BY SUPERVISOR/DSD	87 days	2 days	Sun 7/5/17	Tue 1/8/17	Sun 7/5/17	Tue 1/8/17	480	100%	0 days	
482	251170	STARTING DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	NA	NA	481	0%	0 days	



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

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack
483	251180	TEMPORARY DRAINAGE WORKS	21 days	2 days	Wed 1/11/17	Tue 21/11/17	NA	NA	482	0%	0 days
484	251190	PILING WORKS AT GRID 2	55 days	4 days	Wed 22/11/17	Mon 15/1/18	NA	NA	483	0%	0 days
485	251220	PILING WORKS AT GRID 3	55 days	4 days	Wed 22/11/17	Mon 15/1/18	NA	NA	483	0%	0 days
486	251225	PILE LOAD TEST	50 days	1 day	Tue 16/1/18	Tue 6/3/18	NA	NA	484,485	0%	0 days
487	251230	PILE CAP CONSTRUCTION	68 days	1 day	Tue 16/1/18	Sat 24/3/18	NA	NA	484,485	0%	0 days
488	251240	REMOVAL OF TEMPORARY DRAINAGE WORK	7 days	2 days	Sun 25/3/18	Sat 31/3/18	NA	NA	486FS+18 days,487	0%	0 days
489	251250	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	NA	NA	488	0%	0 days
490	251251	IMPLEMENTATION OF TTA AT GRID 1	7 days	0 day	Wed 1/11/17	Tue 7/11/17	NA	NA		0%	0 days
491	251255	PILING WORKS AT GRID 1	72 days	2 days	Wed 8/11/17	Thu 18/1/18	NA	NA	490	0%	0 days
492	251260	PILE LOAD TEST AT GRID 1	28 days	7 days	Fri 19/1/18	Thu 15/2/18	NA	NA	491	0%	0 days
493	251270	PILE CAP & COLUMN AT GRID 1	100 days	3 days	Fri 16/2/18	Sat 26/5/18	NA	NA	492	0%	0 days
494	251275	RAMP & RETAINING WALL AT GRID 1	167 days	2 days	Sun 27/5/18	Fri 9/11/18	NA	NA	493	0%	0 days
495	251280	INSTALLATION OF STEEL ROOF AT GRID 1	43 days	1 days	Sat 10/11/18	Sat 22/12/18	NA	NA	494	0%	0 days
496	251285	INSTALLAION OF MJ	14 days	0 day	Sun 23/12/18	Sat 5/1/19	NA	NA	495	0%	0 days
497	251290	DRAINAGE & ROADWORKS AT GRID 1	157 days	4 days	Sun 6/1/19	Tue 11/6/19	NA	NA	496	0%	0 days
498	251300	STARTING DATE OF DRY SEASON	0 days	0 day	Thu 1/11/18	Thu 1/11/18	NA	NA		0%	0 days
499	251305	TEMPORARY DRAINAGE WORKS	7 days	2 days	Thu 1/11/18	Wed 7/11/18	NA	NA	498	0%	0 days
500	251310	PIER AT GRID 2	34 days	2 days	Thu 8/11/18	Tue 11/12/18	NA	NA	499	0%	0 days
501	251315	BRIDGE DECK CONSTRUCTION	105 days	10 days	Wed 12/12/18	Tue 26/3/19	NA	NA	500	0%	0 days
502	251320	REMOVAL OF TEMPORARY DRAINAGE WORK	5 days	2 days	Wed 27/3/19	Sun 31/3/19	NA	NA	501	0%	0 days
503	251330	END DATE OF DRY SEASON	0 days	0 day	Sun 31/3/19	Sun 31/3/19	NA	NA	502	0%	857 days
504	251350	STEEL STRUCTURAL ROOF WORKS ON BRIDGE DECK	42 days	5 days	Mon 1/4/19	Sun 12/5/19	NA	NA	502	0%	0 days
505	251360	RAILING, DRAINAGE & E&M WORKS	30 days	4 days	Mon 13/5/19	Tue 11/6/19	NA	NA	504	0%	0 days
506	251370	ROAD WORKS	20 days	4 days	Wed 12/6/19	Mon 1/7/19	NA	NA	505,497	0%	0 days
507	251385	PORTION M - ANTICIPATED COMPLETION DATE	0 days	0	Mon 1/7/19	Mon 1/7/19	NA	NA	506	0%	765 days
508	251390	PORTION M - ORIGINAL COMPLETION DATE	0 days	0 day	Mon 1/7/19	Mon 1/7/19	NA	NA	506	0%	0 days
509	**251390**	**SECTION W5 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Mon 1/7/19**	**Mon 1/7/19**	NA	NA	**507**	-	**765 days**
510	**260000**	**SECTION W6 (PORTION P)**	**758 days**		**Thu 30/6/16**	**Fri 27/7/18**	-	-		-	**155 days**
511	260010	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days
512	260020	APPLICATION OF EXCAVATION PERMIT	130 days	10 days	Tue 30/5/17	Fri 6/10/17	Tue 30/5/17	NA	515SS	50%	-40 days
513	260030	APPLICATION AND OBTAIN APPROVAL FROM MTRC FOR WORKS AT RPA	90 days	10 days	Tue 30/5/17	Sun 27/8/17	Tue 30/5/17	Sun 27/8/17	512SS	100%	0 days
514	**261000**	**PORTION P**	**367 days**		**Tue 25/7/17**	**Fri 27/7/18**	-	-		-	**155 days**
515	261010	POSSESION OF SITE + DELAY OF WORKS DUE TO DELAY IN ALLOWING THE USE OF ACCESS (+56 days)	0 days	0 day	Tue 25/7/17	Tue 25/7/17	Tue 25/7/17	Tue 25/7/17	511FS+391 days	100%	0 days
516	261020	DOCUMENT SUBMISSION	90 days	2 days	Wed 26/7/17	Mon 23/10/17	Wed 26/7/17	NA	515SS	0%	-57 days
517	261030	DRAINAGE WORKS	127 days	5 days	Tue 24/10/17	Tue 27/2/18	NA	NA	516,512,513	0%	-57 days
518	261040	ROAD WORKS	150 days	5 days	Wed 28/2/18	Fri 27/7/18	NA	NA	517	0%	-57 days
519	261045	PORTION P - ANTICIPATED COMPLETION DATE	0 days	0 day	Fri 27/7/18	Fri 27/7/18	NA	NA	518		155 days
520	261050	PORTION P - ORIGINAL COMPLETION DATE	0 days	0 day	Thu 31/5/18	Thu 31/5/18	NA	NA	518	0%	0 days
521	**261060**	**SECTION W6 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Fri 27/7/18**	**Fri 27/7/18**	**NA**	**NA**	**519**	-	**155 days**
522	**270000**	**SECTION W7 (PORTION J1, J2 & J3)**	**1004 days**		**Thu 30/6/16**	**Sat 30/3/19**	-	-		-	**858 days**
523	270010	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days
524	**271000**	**PORTION J2, J3**	**754 days**		**Tue 7/3/17**	**Sat 30/3/19**	-	-		-	**858 days**
525	***271010***	***INSTRUCTION TO EXECISE***	***0 days***	***0 day***	***Tue 7/3/17***	***Tue 7/3/17***	***Tue 7/3/17***	***Tue 7/3/17***	***523***	***100%***	***0 days***
526	271020	POSSESSION OF SITE (J2, J3)	0 days	0 day	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17	525SS,523FS+250 days	100%	0 days
527	271030	APPLICATION OF EXCAVATION PERMIT	200 days	0 day	Tue 7/3/17	Fri 22/9/17	Tue 7/3/17	Sat 2/9/17	525SS	50%	26 days
528	271040	CONDITION SURVEY FOR PERMANENT STRUCTURE ADJACENT TO 2 STORIES HEIGHT TEMP. BLDG @ APPROX. CH. K0+900	30 days	2 days	Sat 23/9/17	Sun 22/10/17	Sun 3/9/17	Mon 2/10/17	526FS+200 days	0%	1361 days
529	271050	INITIAL SURVEY	190 days	2 days	Tue 7/3/17	Tue 12/9/17	Tue 7/3/17	Sat 29/7/17	526SS	80%	-10 days
530	271060	TREE SURVEY	90 days	2 days	Tue 7/3/17	Sun 4/6/17	Tue 7/3/17	Sun 4/6/17	526SS	100%	0 days
531	271070	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE + 24 days DELAY DUE TO INCLEMENT WEATHER FROM JULY TO AUG 2017	114 days	3 days	Mon 5/6/17	Tue 26/9/17	Mon 5/6/17	NA	530	20%	-24 days
532	**271072**	**UTILITIES DIVERSION WORKS (CLP, WSD)**	**90 days**	**3 day**	**Wed 27/9/17**	**Mon 25/12/17**	-	-		-	**41 days**
533	271074	CLP	90 days	3 days	Wed 27/9/17	Mon 25/12/17	NA	NA	531	0%	41 days
534	271076	WSD	90 days	3 days	Wed 27/9/17	Mon 25/12/17	NA	NA	533SS	0%	41 days
535	271080	RW 46 (67M)	70 days	7 days	Fri 7/9/18	Thu 15/11/18	NA	NA	537	0%	-24 days
536	271090	RW 47 (83 NOS OF SOILDER PILES)	170 days	0 day	Wed 30/5/18	Thu 15/11/18	NA	NA	538	0%	-24 days
537	271100	RW 48 (110M)	100 days	5 days	Wed 30/5/18	Thu 6/9/18	NA	NA	538	0%	-24 days
538	271110	RW 24A (20M)	30 days	2 days	Mon 30/4/18	Tue 29/5/18	NA	NA	539	0%	-24 days
539	271120	RW 24B (18M)	30 days	2 days	Sat 31/3/18	Sun 29/4/18	NA	NA	543	0%	-24 days
540	271130	RW 24C (82M)	70 days	7 days	Thu 21/12/17	Wed 28/2/18	NA	NA	541	0%	-24 days
541	271140	RW 25 (83M)	50 days	7 days	Wed 1/11/17	Wed 20/12/17	NA	NA	542	0%	-24 days
542	271150	RW 26 (20M)	35 days	2 days	Wed 27/9/17	Tue 31/10/17	NA	NA	529,531,527FS-46 days	0%	-24 days
543	271160	STREAM DECKING D8	30 days	2 days	Thu 1/3/18	Fri 30/3/18	NA	NA	540	0%	-24 days
544	271170	PROVIDE SAFETY ACCESS TO RESIDENT	21 days	2 days	Thu 1/3/18	Wed 21/3/18	NA	NA	540	0%	1211 days
545	271180	DEMOLITION OF EXISTING STRUCTURE @ APPROX. CH.KW0+900	21 days	3 days	Thu 22/3/18	Wed 11/4/18	NA	NA	544,528	0%	1211 days



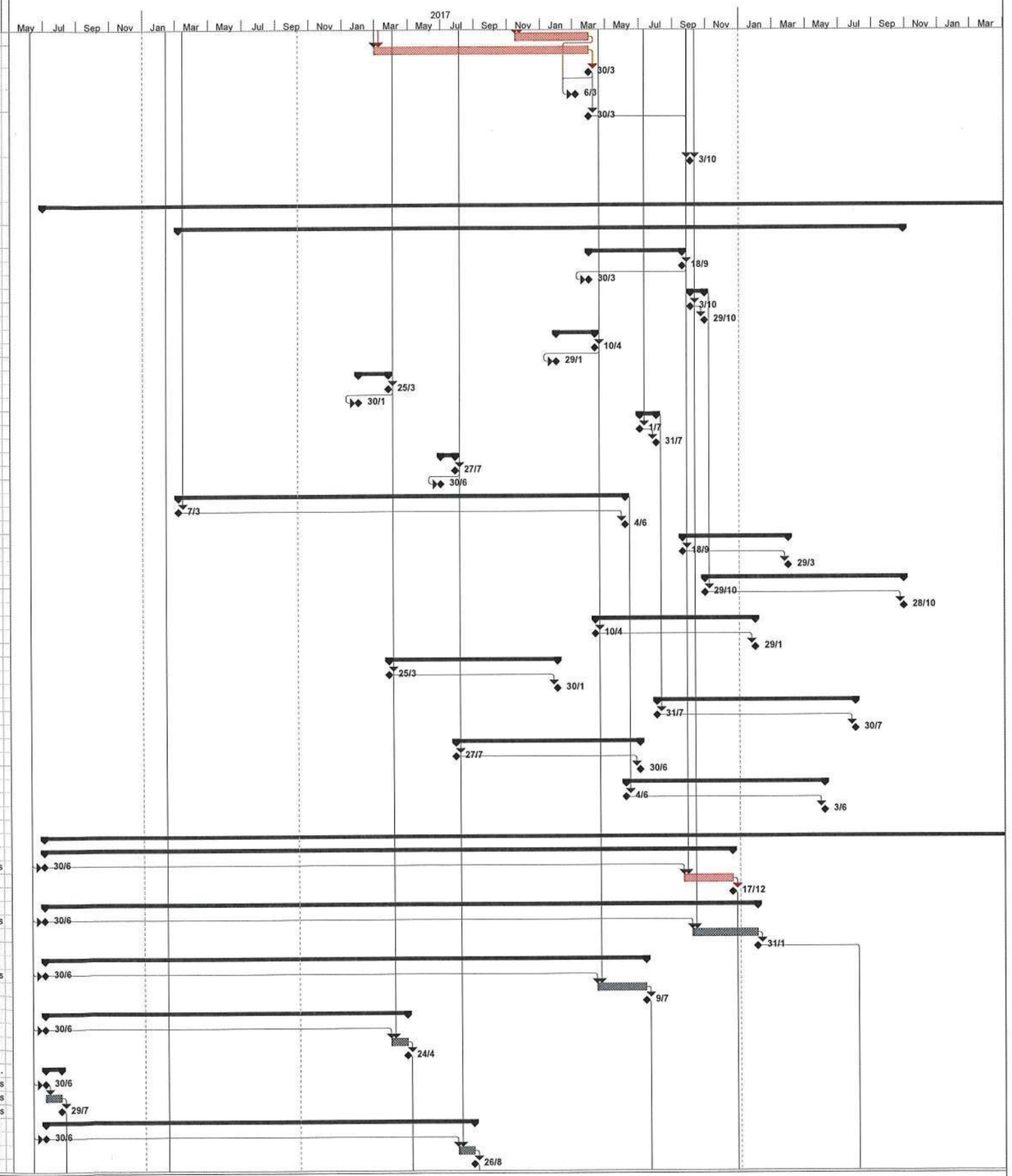
Task | Summary | External Milestone | Inactive Summary | Manual Summary Rollup | Finish-only | Progress
Split | Project Summary | Inactive Task | Manual Task | Manual Summary | Critical | Deadline
Milestone | External Tasks | Inactive Milestone | Duration-only | Start-only | Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

CEDD CONTRACT NO. YL/2015/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - REMAINING WORKS
UPDATE ACCEPTED PROGRAMME

SANG HING - KULY JOINT VENTURE
29 SEPT 2017

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack	R N
546	271190	EARTHWORKS AND DRAINAGE WORKS	135 days	10 days	Fri 16/11/18	Sat 30/3/19	NA	NA	535,536,537,538,539,540,541,542	5%	-24 days	
547	271200	ROAD WORKS	395 days	7 days	Thu 1/3/18	Sat 30/3/19	NA	NA	540,533,534	0%	-24 days	
548	271205	PORTON J2/J3 - ANTICIPATED COMPLETION DATE	0 days	0	Sat 30/3/19	Sat 30/3/19	NA	NA	547		-24 days	
549	271210	PORTON J2/J3 - ORIGINAL COMPLETION DATE	0 days	0 day	Wed 6/3/19	Wed 6/3/19	NA	NA	546,548		0 days	
550	**271215**	**SECTION W7 - ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Sat 30/3/19**	**Sat 30/3/19**	NA	NA	**548**		**858 days**	
551	**200010**	**SECTION W1 TO W7 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Thu 3/10/19**	**Thu 3/10/19**	NA	NA	**521,461,409,381,202,509,550**		**671 days**	
552	**300000**	**LANDSCAPING SOFTWORKS AND ESTABLISHMENT WORK**	**1862 days**		**Thu 30/6/16**	**Wed 4/8/21**	NA	NA			**0 days**	
553	**300010**	**ACCESS DATES AND COMPLETION DATES FOR CONTRACTS**	**1332 days**		**Tue 7/3/17**	**Wed 28/10/20**	NA	NA			**0 days**	
554	**300020**	**SECTION W8A**	**172 days**		**Sat 30/3/19**	**Wed 18/9/19**	NA	NA			**-172 days**	
555	300030	ACCESS DATE	0 days		Wed 18/9/19	Wed 18/9/19	NA	NA	4		-262 days	
556	300040	COMPLETION DATE	0 days		Sat 30/3/19	Sat 30/3/19	NA	NA	555FS+90 days		0 days	
557	**300050**	**SECTION W8B**	**26 days**		**Thu 3/10/19**	**Tue 29/10/19**	NA	NA			**0 days**	
558	300060	ACCESS DATE	0 days		Thu 3/10/19	Thu 3/10/19	NA	NA	13		-94 days	
559	300070	COMPLETION DATE	0 days		Tue 29/10/19	Tue 29/10/19	NA	NA	558FS+120 days		0 days	
560	**300080**	**SECTION W8C**	**71 days**		**Tue 29/1/19**	**Wed 10/4/19**	NA	NA			**-71 days**	
561	300090	ACCESS DATE	0 days		Wed 10/4/19	Wed 10/4/19	NA	NA	24		-101 days	
562	300100	COMPLETION DATE	0 days		Tue 29/1/19	Tue 29/1/19	NA	NA	561FS+30 days		0 days	
563	**300110**	**SECTION W8D**	**54 days**		**Tue 30/1/18**	**Sun 25/3/18**	NA	NA			**-54 days**	
564	300120	ACCESS DATE	0 days		Sun 25/3/18	Sun 25/3/18	NA	NA	33		-84 days	
565	300130	COMPLETION DATE	0 days		Tue 30/1/18	Tue 30/1/18	NA	NA	564FS+30 days		0 days	
566	**300140**	**SECTION W8E**	**30 days**		**Mon 1/7/19**	**Wed 31/7/19**	NA	NA			**0 days**	
567	300150	ACCESS DATE	0 days		Mon 1/7/19	Mon 1/7/19	NA	NA	40		0 days	
568	300160	COMPLETION DATE	0 days		Wed 31/7/19	Wed 31/7/19	NA	NA	567FS+30 days		0 days	
569	**300170**	**SECTION W8F**	**27 days**		**Sat 30/6/18**	**Fri 27/7/18**	NA	NA			**-27 days**	
570	300180	ACCESS DATE	0 days		Fri 27/7/18	Fri 27/7/18	NA	NA	47		-57 days	
571	300190	COMPLETION DATE	0 days		Sat 30/6/18	Sat 30/6/18	NA	NA	570FS+30 days		0 days	
572	**300200**	**SECTION W8G**	**820 days**		**Tue 7/3/17**	**Tue 4/6/19**	NA	NA			**0 days**	
573	300210	ACCESS DATE	0 days		Tue 7/3/17	Tue 7/3/17	NA	NA	55		730 days	
574	300220	COMPLETION DATE	0 days		Tue 4/6/19	Tue 4/6/19	NA	NA	573FS+90 days		0 days	
575	**300230**	**SECTION W9A**	**193 days**		**Wed 18/9/19**	**Sun 29/3/20**	NA	NA			**0 days**	
576	300240	ACCESS DATE	0 days		Wed 18/9/19	Wed 18/9/19	NA	NA	554		-172 days	
577	300250	COMPLETION DATE	0 days		Sun 29/3/20	Sun 29/3/20	NA	NA	576FS+365 days		0 days	
578	**300260**	**SECTION W9B**	**365 days**		**Tue 29/10/19**	**Wed 28/10/20**	NA	NA			**0 days**	
579	300270	ACCESS DATE	0 days		Tue 29/10/19	Tue 29/10/19	NA	NA	557		0 days	
580	300280	COMPLETION DATE	0 days		Wed 28/10/20	Wed 28/10/20	NA	NA	579FS+365 days		0 days	
581	**300290**	**SECTION W9C**	**294 days**		**Wed 10/4/19**	**Wed 29/1/20**	NA	NA			**0 days**	
582	300300	ACCESS DATE	0 days		Wed 10/4/19	Wed 10/4/19	NA	NA	560		-71 days	
583	300310	COMPLETION DATE	0 days		Wed 29/1/20	Wed 29/1/20	NA	NA	582FS+365 days		0 days	
584	**300320**	**SECTION W9D**	**311 days**		**Sun 25/3/18**	**Wed 30/1/19**	NA	NA			**0 days**	
585	300330	ACCESS DATE	0 days		Sun 25/3/18	Sun 25/3/18	NA	NA	563		-54 days	
586	300340	COMPLETION DATE	0 days		Wed 30/1/19	Wed 30/1/19	NA	NA	585FS+365 days		0 days	
587	**300350**	**SECTION W9E**	**365 days**		**Wed 31/7/19**	**Thu 30/7/20**	NA	NA			**0 days**	
588	300360	ACCESS DATE	0 days		Wed 31/7/19	Wed 31/7/19	NA	NA	566		0 days	
589	300370	COMPLETION DATE	0 days		Thu 30/7/20	Thu 30/7/20	NA	NA	588FS+365 days		0 days	
590	**300380**	**SECTION W9F**	**338 days**		**Fri 27/7/18**	**Sun 30/6/19**	NA	NA			**0 days**	
591	300390	ACCESS DATE	0 days		Fri 27/7/18	Fri 27/7/18	NA	NA	569		-27 days	
592	300400	COMPLETION DATE	0 days		Sun 30/6/19	Sun 30/6/19	NA	NA	591FS+365 days		0 days	
593	**300410**	**SECTION W9G**	**365 days**		**Tue 4/6/19**	**Wed 3/6/20**	NA	NA			**0 days**	
594	300420	ACCESS DATE	0 days		Tue 4/6/19	Tue 4/6/19	NA	NA	572		0 days	
595	300430	COMPLETION DATE	0 days		Wed 3/6/20	Wed 3/6/20	NA	NA	594FS+365 days		0 days	
596												
597	**400000**	**PLANNED WORK PROGRAMME**	**1862 days**		**Thu 30/6/16**	**Wed 4/8/21**	NA	NA			**0 days**	
598	**400010**	**SECTION W8A**	**1266 days**		**Thu 30/6/16**	**Tue 17/12/19**	NA	NA			**0 days**	
599	400020	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1176 days	
600	400030	LANDSCAPING SOFTWORKS	90 days	7 days	Thu 19/9/19	Tue 17/12/19	NA	NA	202,599		0 days	
601	400040	COMPLETION OF SECTION W8A	0 days		Tue 17/12/19	Tue 17/12/19	NA	NA	600		0 days	
602	**400050**	**SECTION W8B**	**1311 days**		**Thu 30/6/16**	**Fri 31/1/20**	NA	NA			**141 days**	
603	400060	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1332 days	
604	400070	LANDSCAPING SOFTWORKS	120 days	10 days	Fri 4/10/19	Fri 31/1/20	NA	NA	603,381		141 days	
605	400080	COMPLETION OF SECTION W8B	0 days		Fri 31/1/20	Fri 31/1/20	NA	NA	604		141 days	
606	**400090**	**SECTION W8C**	**1105 days**		**Thu 30/6/16**	**Tue 9/7/19**	NA	NA			**143 days**	
607	400100	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1158 days	
608	400110	LANDSCAPING SOFTWORKS	90 days	7 days	Thu 11/4/19	Tue 9/7/19	NA	NA	409,607		143 days	
609	400120	COMPLETION OF SECTION W8C	0 days		Tue 9/7/19	Tue 9/7/19	NA	NA	608		143 days	
610	**400130**	**SECTION W8D**	**664 days**		**Thu 30/6/16**	**Tue 24/4/18**	NA	NA			**147 days**	
611	400140	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		781 days	
612	400150	LANDSCAPING SOFTWORKS	30 days	3 days	Mon 26/3/18	Tue 24/4/18	NA	NA	461,611		147 days	
613	400160	COMPLETION OF SECTION W8D	0 days		Tue 24/4/18	Tue 24/4/18	NA	NA	612		147 days	
614	**400170**	**SECTION W8E**	**30 days**		**Thu 30/6/16**	**Fri 29/7/16**	NA	NA			**1314 da...**	
615	400180	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1314 days	
616	400190	LANDSCAPING SOFTWORKS	30 days	3 days	Thu 30/6/16	Fri 29/7/16	NA	NA	615		1314 days	
617	400200	COMPLETION OF SECTION W8E	0 days		Fri 29/7/16	Fri 29/7/16	NA	NA	616		1314 days	
618	**400210**	**SECTION W8F**	**788 days**		**Thu 30/6/16**	**Sun 26/8/18**	NA	NA			**155 days**	
619	400220	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		913 days	
620	400230	LANDSCAPING SOFTWORKS	30 days	3 days	Sat 28/7/18	Sun 26/8/18	NA	NA	619,521		155 days	
621	400240	COMPLETION OF SECTION W8F	0 days		Sun 26/8/18	Sun 26/8/18	NA	NA	620		155 days	

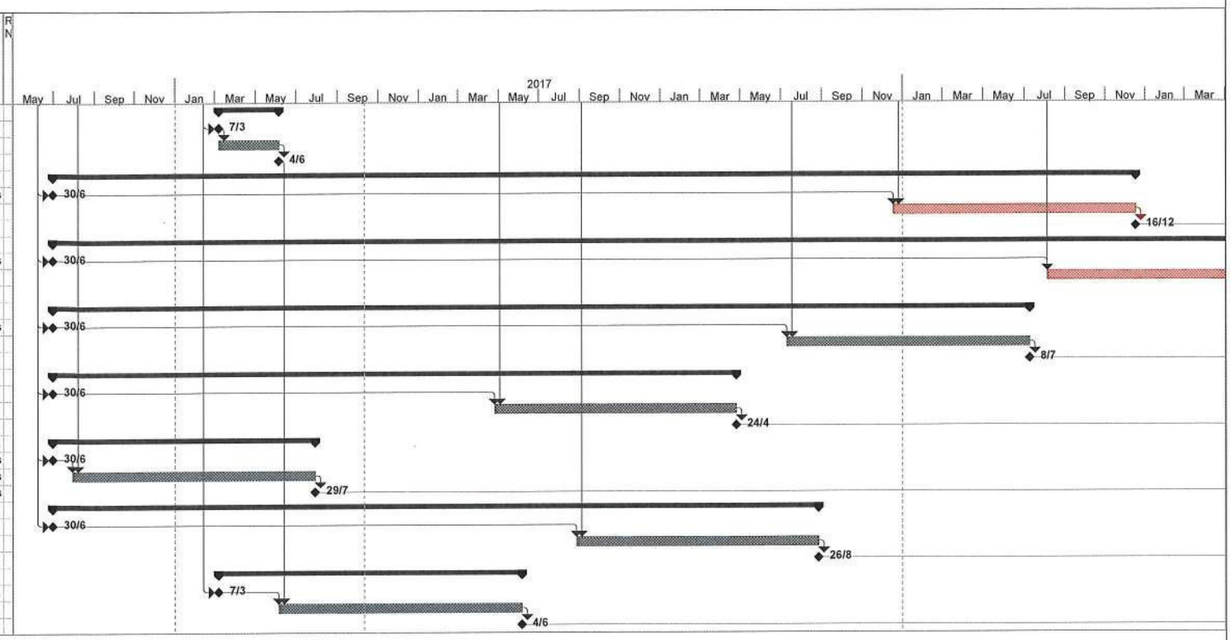


Task | Summary | External Milestone | Inactive Summary | Manual Summary Rollup | Finish-only | Progress
Split | Project Summary | Inactive Task | Manual Task | Manual Summary | Critical | Deadline
Milestone | External Tasks | Inactive Milestone | Duration-only | Start-only | Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

CEDD CONTRACT NO. YL/2015/01
CYCLE TRACKS FROM TUEN MUN TO SHEUNG SHUI - REMAINING WORKS
UPDATE ACCEPTED PROGRAMME

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	*Actual Start	*Actual Finish	Predecessors	*% Comple	Finish Slack	R N
622	**400250**	**SECTION W8G**	**90 days**		**Tue 7/3/17**	**Sun 4/6/17**	NA	NA			**942 days**	
623	***400260***	***INSTRUCTION TO EXECISE***	***0 days***		***Tue 7/3/17***	***Tue 7/3/17***	NA	NA	***55SS***		***942 days***	
624	400270	LANDSCAPING SOFTWORKS	90 days	7 days	Tue 7/3/17	Sun 4/6/17	NA	NA	623		942 days	
625	400280	COMPLETION OF SECTION W8G	0 days		Sun 4/6/17	Sun 4/6/17	NA	NA	624		942 days	
626	**400290**	**SECTION W9A**	**1631 days**		**Thu 30/6/16**	**Wed 16/12/20**	NA	NA			**0 days**	
627	400300	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1266 days	
628	400310	ESTABLISHMENT WORKS	365 days	30 days	Wed 18/12/19	Wed 16/12/20	NA	NA	601,627		0 days	
629	400320	COMPLETION OF SECTION W9A	0 days		Wed 16/12/20	Wed 16/12/20	NA	NA	628		0 days	
630	**400330**	**SECTION W9B**	**1862 days**		**Thu 30/6/16**	**Wed 4/8/21**	NA	NA			**0 days**	
631	400340	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1497 days	
632	400350	ESTABLISHMENT WORKS	365 days	30 days	Wed 5/8/20	Wed 4/8/21	NA	NA	631,629FF+231 days,637FF+249 d		0 days	
633	400360	COMPLETION OF SECTION W9B	0 days		Wed 4/8/21	Wed 4/8/21	NA	NA	632		0 days	
634	**400370**	**SECTION W9C**	**1470 days**		**Thu 30/6/16**	**Wed 8/7/20**	NA	NA			**143 days**	
635	400380	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1248 days	
636	400390	ESTABLISHMENT WORKS	365 days	30 days	Wed 10/7/19	Wed 8/7/20	NA	NA	609,635		143 days	
637	400400	COMPLETION OF SECTION W9C	0 days		Wed 8/7/20	Wed 8/7/20	NA	NA	636		143 days	
638	**400410**	**SECTION W9D**	**1029 days**		**Thu 30/6/16**	**Wed 24/4/19**	NA	NA			**147 days**	
639	400420	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		811 days	
640	400430	ESTABLISHMENT WORKS	365 days	30 days	Wed 25/4/18	Wed 24/4/19	NA	NA	613,639		147 days	
641	400440	COMPLETION OF SECTION W9D	0 days		Wed 24/4/19	Wed 24/4/19	NA	NA	640		147 days	
642	**400450**	**SECTION W9E**	**395 days**		**Thu 30/6/16**	**Sat 29/7/17**	NA	NA			**1314 da...**	
643	400460	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1344 days	
644	400470	ESTABLISHMENT WORKS	365 days	30 days	Sat 30/7/16	Sat 29/7/17	NA	NA	617,643		1314 days	
645	400480	COMPLETION OF SECTION W9E	0 days		Sat 29/7/17	Sat 29/7/17	NA	NA	644		1314 days	
646	**400490**	**SECTION W9F**	**1153 days**		**Thu 30/6/16**	**Mon 26/8/19**	NA	NA			**155 days**	
647	400500	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		943 days	
648	400510	ESTABLISHMENT WORKS	365 days	30 days	Mon 27/8/18	Mon 26/8/19	NA	NA	621,647		155 days	
649	400520	COMPLETION OF SECTION W9F	0 days		Mon 26/8/19	Mon 26/8/19	NA	NA	648		155 days	
650	**400530**	**SECTION W9G**	**455 days**		**Tue 7/3/17**	**Mon 4/6/18**	NA	NA			**942 days**	
651	***400540***	***INSTRUCTION TO EXECISE***	***0 days***		***Tue 7/3/17***	***Tue 7/3/17***	NA	NA	***55SS***		***1032 da...***	
652	400550	ESTABLISHMENT WORKS	365 days	30 days	Mon 5/6/17	Mon 4/6/18	NA	NA	625,651		942 days	
653	400560	COMPLETION OF SECTION W8A	0 days		Mon 4/6/18	Mon 4/6/18	NA	NA	652		942 days	



Task — Summary — External Milestone — Inactive Summary — Manual Summary Rollup — Finish-only — Progress
Split — Project Summary — Inactive Task — Manual Task — Manual Summary — Critical — Deadline
Milestone — External Tasks — Inactive Milestone — Duration-only — Start-only — Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

APPENDIX B
ACTION AND LIMIT LEVELS FOR NOISE

Appendix B - Action and Limit Levels

Table B-1 Action and Limit Levels for Construction Noise

Time Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays	When one documented complaint is received	75 dB(A) 70dB(A)/65dB(A)*

Remarks: If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed. *70dB(A) and 65dB(A) for schools during normal teaching periods and school examination periods, respectively.

APPENDIX C
COPIES OF CALIBRATION CERTIFICATES

WELLAB 匯力 Testing & Research

WELLAB LIMITED
Rms 1214, 1502, 1516, 1701 & 1716,
Technology Park, 18 On Lai Street,
Shatin, N.T., Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
Room 1710, Technology Park,
18 On Lai Street,
Shatin, NT, Hong Kong

Test Report No.:	29501
Date of Issue:	2018-08-27
Date Received:	2018-08-24
Date Tested:	2018-08-24
Date Completed:	2018-08-27
Next Due Date:	2019-08-26

ATTN: **Mr. W.K. Tang**

Page: 1 of 1

Certificate of Calibration

Item for calibration:

Description	: 'SVANTEK' Integrating Sound Level Meter
Manufacturer	: SVANTEK
Model No.	: SVAN 957
Serial No.	: 21455
Microphone No.	: 43730
Equipment No.	: N-08-07

Test conditions:

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

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

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

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

Patrick Tse

PATRICK TSE
Laboratory Manager

WELLAB 匯力 Testing & Research

WELLAB LIMITED
Rms 1214, 1502, 1516, 1701 & 1716,
Technology Park, 18 On Lai Street,
Shatin, N.T., Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
Room 1710, Technology Park,
18 On Lai Street,
Shatin, NT, Hong Kong

Test Report No.:	29499
Date of Issue:	2018-08-13
Date Received:	2018-08-11
Date Tested:	2018-08-11
Date Completed:	2018-08-13
Next Due Date:	2019-08-12

ATTN: **Mr. W.K. Tang**

Page: 1 of 1

Certificate of Calibration

Item for calibration:

Description	: 'SVANTEK' Integrating Sound Level Meter
Manufacturer	: SVANTEK
Model No.	: SVAN 957
Serial No.	: 21459
Microphone No.	: 43676
Equipment No.	: N-08-08

Test conditions:

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

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

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

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

Patrick Tse

PATRICK TSE
Laboratory Manager

WELLAB 匯力 Testing & Research

WELLAB LIMITED
Rms 1214, 1502, 1516, 1701 & 1716,
Technology Park, 18 On Lai Street,
Shatin, N.T., Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
Room 1710, Technology Park,
18 On Lai Street,
Shatin, NT, Hong Kong

Test Report No.:	C/N/171215A
Date of Issue:	2017-12-18
Date Received:	2017-12-15
Date Tested:	2017-12-15
Date Completed:	2017-12-18
Next Due Date:	2018-12-17

ATTN: **Mr. W.K. Tang** Page: 1 of 1

Certificate of Calibration

Item for calibration:

Description	: Sound & Vibration Analyser
Manufacturer	: BSWA
Model No.	: BSWA 801
Serial No.	: 35921
Equipment No.	: N-13-02

Test conditions:

Room Temperatre	: 20 degree Celsius
Relative Humidity	: 64%

Test Specifications:

Performance checking at 94 and 114 dB

Methodology:

In-house method, according to manufacturer instruction manual

Results:

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

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

Patrick Tse
PATRICK TSE
Laboratory Manager

WELLAB LIMITED
Rms 1214, 1502, 1516, 1701 & 1716,
Technology Park, 18 On Lai Street,
Shatin, N.T., Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
Room 1710, Technology Park,
18 On Lai Street,
Shatin, NT, Hong Kong

Test Report No.:	C/N/170929
Date of Issue:	2017-09-30
Date Received:	2017-09-29
Date Tested:	2017-09-29
Date Completed:	2017-09-30
Next Due Date:	2018-09-29
Page:	1 of 1

ATTN: **Mr. W.K. Tang**

Item for calibration:

Description	: Acoustical Calibrator
Manufacturer	: SVANTEK
Model No.	: SV30A
Serial No.	: 24803
Equipment No.	: N-09-03

Test conditions:

Room Temperatre	: 21 degree Celsius
Relative Humidity	: 60 %

Methodology:

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

Results:

Sound Pressure Level (1kHz)	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.1 dB
At 114 dB SPL	114.0	114.0 ± 0.1 dB

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

PATRICK TSE
Laboratory Manager

WELLAB 匯力 Testing & Research

WELLAB LIMITED
Rms 1214, 1502, 1516, 1701 & 1716,
Technology Park, 18 On Lai Street,
Shatin, N.T., Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
Room 1710, Technology Park,
18 On Lai Street,
Shatin, NT, Hong Kong

Test Report No.:	C/N/171103
Date of Issue:	2017-11-06
Date Received:	2017-11-03
Date Tested:	2017-11-03
Date Completed:	2017-11-06
Next Due Date:	2018-11-05

ATTN: **Mr. W.K. Tang** Page: 1 of 1

Item for calibration:

Description	: Acoustical Calibrator
Manufacturer	: Brüel & Kjær
Model No.	: 4231
Serial No.	: 2326353
Equipment No.	: N-02-01

Test conditions:

Room Temperatre	: 21 degree Celsius
Relative Humidity	: 64 %

Methodology:

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

Results:

Sound Pressure Level (1kHz)	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.1 dB
At 114 dB SPL	114.0	114.0 ± 0.1 dB

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

PATRICK TSE
Laboratory Manager

WELLAB 滙力 Testing & Research

WELLAB LIMITED
Rms 1214, 1502, 1516, 1701 & 1716,
Technology Park, 18 On Lai Street,
Shatin, N.T., Hong Kong.
Tel: 2898 7388 Fax: 2898 7076
Website: www.wellab.com.hk

TEST REPORT

APPLICANT: **Cinotech Consultants Limited**
Room 1710, Technology Park,
18 On Lai Street,
Shatin, NT, Hong Kong

ATTN: **Mr. W.K. Tang**

Test Report No.:	29683
Date of Issue:	2018-08-20
Date Received:	2018-08-17
Date Tested:	2018-08-17
Date Completed:	2018-08-20
Next Due Date:	2019-08-19
Page:	1 of 1

Item for calibration:

Description	: Acoustical Calibrator
Manufacturer	: Brüel & Kjær
Model No.	: 4231
Serial No.	: 2412367
Equipment No.	: N-02-03

Test conditions:

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

Methodology:

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

Results:

Sound Pressure Level (1kHz)	Measured SPL	Tolerance
At 94 dB SPL	94.0	94.0 ± 0.1 dB
At 114 dB SPL	114.0	114.0 ± 0.1 dB

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

PATRICK TSE
Laboratory Manager

APPENDIX D
ENVIRONMENTAL MONITORING SCHEDULES

Agreement No. CE 67/2015 (HY)
Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction
Impact Noise Monitoring Schedule (September 2018)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1-Sep
2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep	8-Sep
	Noise					
9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	15-Sep
		Noise				
16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep
		Noise				
23-Sep	24-Sep	**25-Sep**	26-Sep	27-Sep	28-Sep	29-Sep
			Noise			
30-Sep						

Noise Monitoring Station

N1 - HKMLC Wong Chan Sook Ying Memorial School
N2 - Bethel High School
N3 - No. 159 Mai Po San Tsuen
N5 - Dills Corner Garden Block 2
N6 - Home of Loving Faithfulness
N7 - Village House in Shek Wu Wai

Agreement No. CE 67/2015 (HY)
Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction
Tentative Impact Noise Monitoring Schedule (October 2018)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct
					Noise	
7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	12-Oct	13-Oct
		Noise				
14-Oct	15-Oct	16-Oct	**17-Oct**	18-Oct	19-Oct	20-Oct
		Noise				
21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	26-Oct	27-Oct
		Noise				
28-Oct	29-Oct	30-Oct	31-Oct			
		Noise				

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

Noise Monitoring Station

N1 - HKMLC Wong Chan Sook Ying Memorial School
N2 - Bethel High School
N3 - No. 159 Mai Po San Tsuen
N5 - Dills Corner Garden Block 2
N6 - Home of Loving Faithfulness
N7 - Village House in Shek Wu Wai

APPENDIX E
NOISE MONITORING RESULTS AND GRAPHICAL PRESENTATIONS

Appendix E - Noise Monitoring Results

(0700-1900 hrs on Normal Weekdays)

Location N1 - HKMLC Wong Chan Sook Ying Memorial School							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}
3-Sep-18	8:45	Sunny	63.4	66.1	59.2	62.2	57.2
11-Sep-18	11:30	Sunny	61.7	64.6	56.7		61.7 Measured ≦ Baseline
18-Sep-18	15:35	Sunny	64.8	67.1	60.1		61.3
26-Sep-18	9:15	Cloudy	59.7	62.3	56.8		59.7 Measured ≦ Baseline

Location N2 - Bethel High School							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}
3-Sep-18	9:30	Cloudy	56.8	57.9	54.7	55.2	51.7
11-Sep-18	10:45	Sunny	59.7	61.5	55.3		57.8
18-Sep-18	14:50	Sunny	65.5	68.2	60.0		65.1
26-Sep-18	10:05	Cloudy	58.9	62.2	56.3		56.5

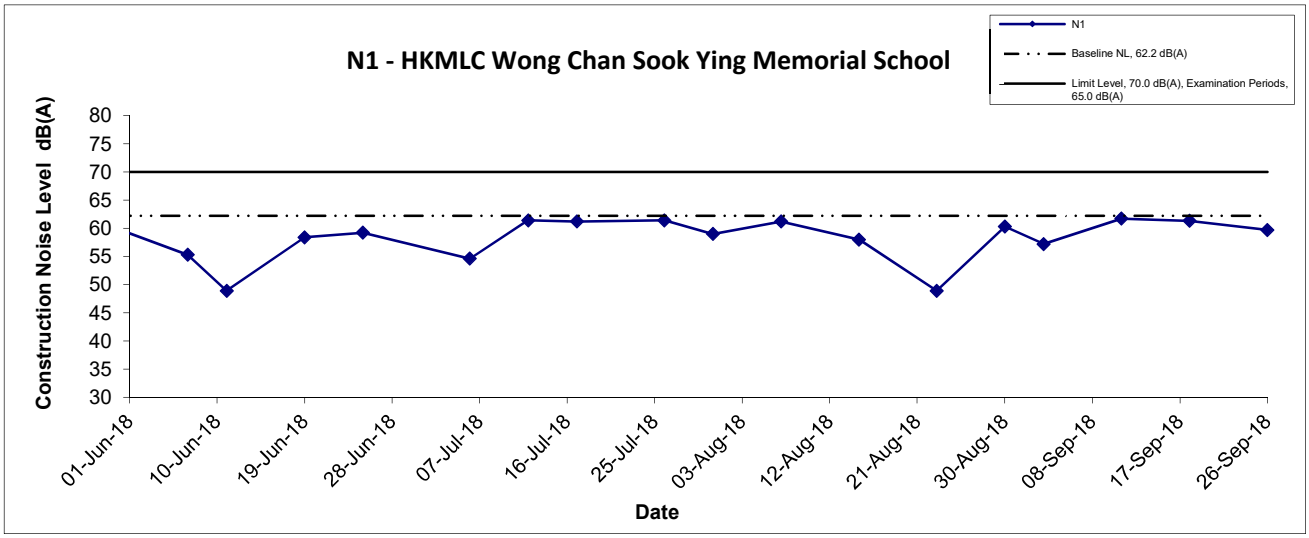
Location N3 - No.159 Mai Po San Tsuen							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}
3-Sep-18	10:25	Cloudy	69.9	71.5	68.4	68.8	63.4
11-Sep-18	9:30	Sunny	71.2	74.3	68.9		67.5
18-Sep-18	13:30	Sunny	69.4	71.2	66.8		60.5
26-Sep-18	11:00	Cloudy	72.1	74.5	69.2		69.4

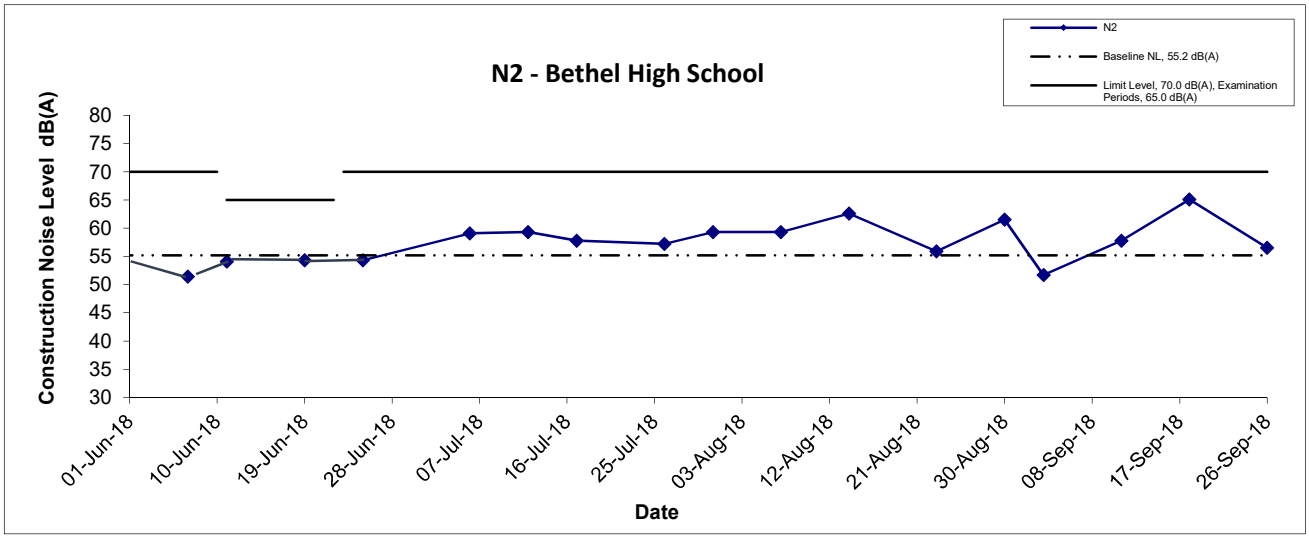
Location N5 - Block 2, Dills Corner Garden							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}
3-Sep-18	11:30	Cloudy	71.7	73.9	67.4	70.7	64.8
11-Sep-18	14:05	Sunny	71.4	73.5	67.2		63.1
18-Sep-18	8:30	Sunny	68.3	69.4	63.1		68.3 Measured ≦ Baseline
26-Sep-18	14:00	Cloudy	71.0	72.9	66.7		59.2

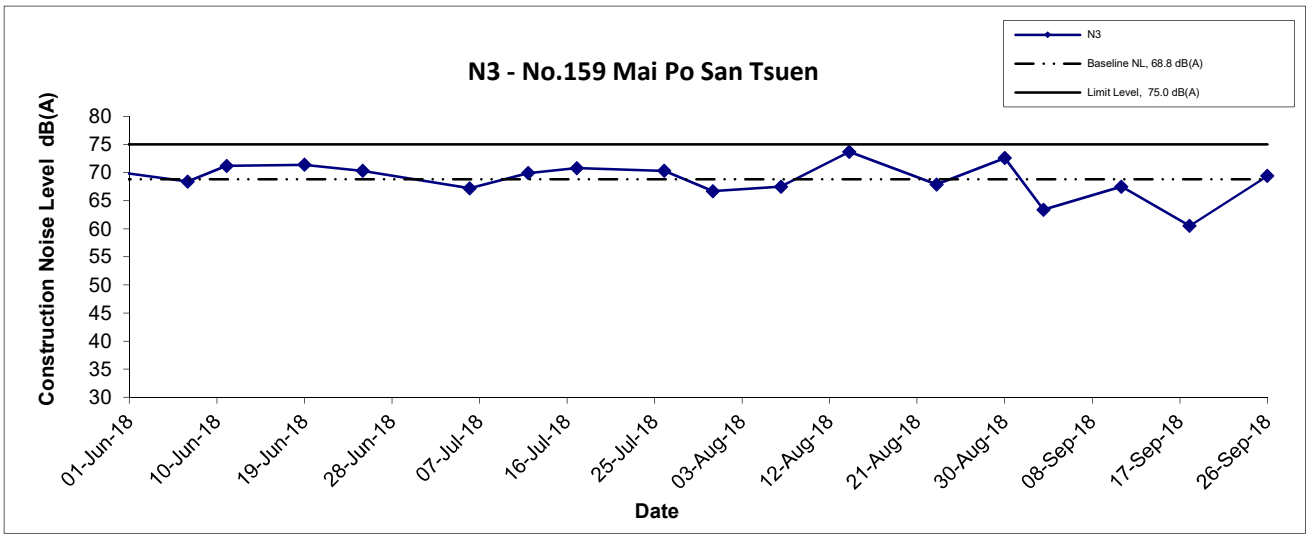
Location N6 - Home of Loving Faithfulness							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}
3-Sep-18	16:25	Cloudy	70.9	73.6	69.4	72.0	70.9 Measured ≦ Baseline
11-Sep-18	14:50	Sunny	69.1	61.8	66.4		69.1Measured ≦ Baseline
18-Sep-18	9:30	Sunny	65.8	67.6	62.7		65.8 Measured ≦ Baseline
26-Sep-18	14:50	Cloudy	72.4	74.0	68.5		61.8

Location N7 - Village House in Shek Wui Wai							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}
3-Sep-18	15:30	Cloudy	68.9	71.7	66.4	70.7	68.9 Measured ≦ Baseline
11-Sep-18	13:10	Sunny	73.9	76.1	69.0		71.1
18-Sep-18	10:40	Sunny	69.1	71.9	66.3		69.1 Measured ≦ Baseline
26-Sep-18	13:00	Cloudy	72.5	75.6	68.4		67.8

Noise Levels

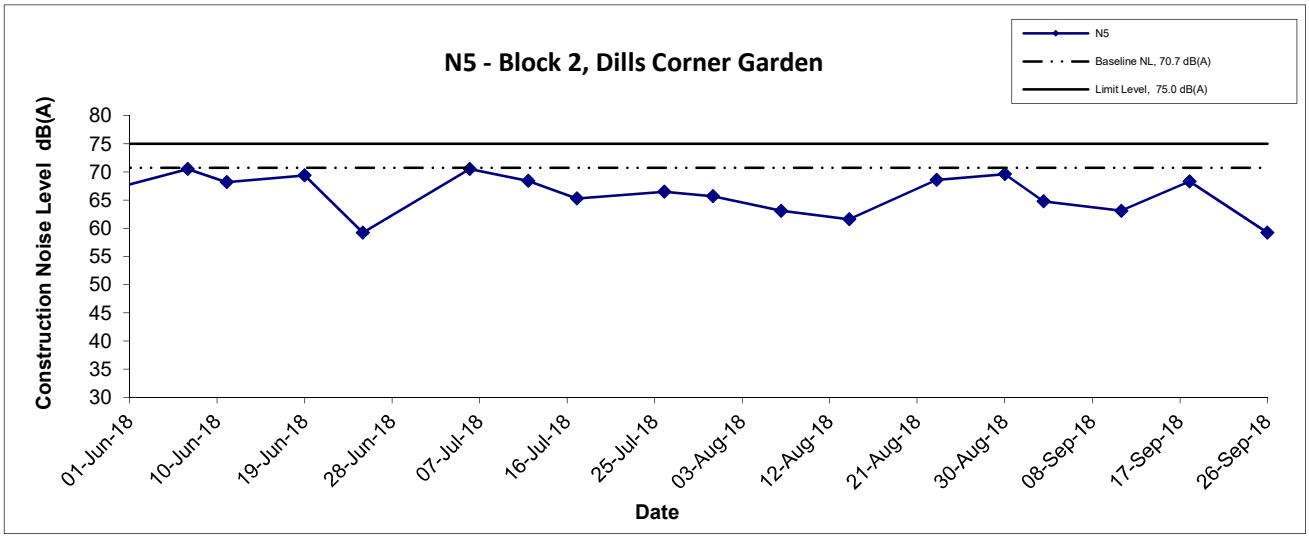


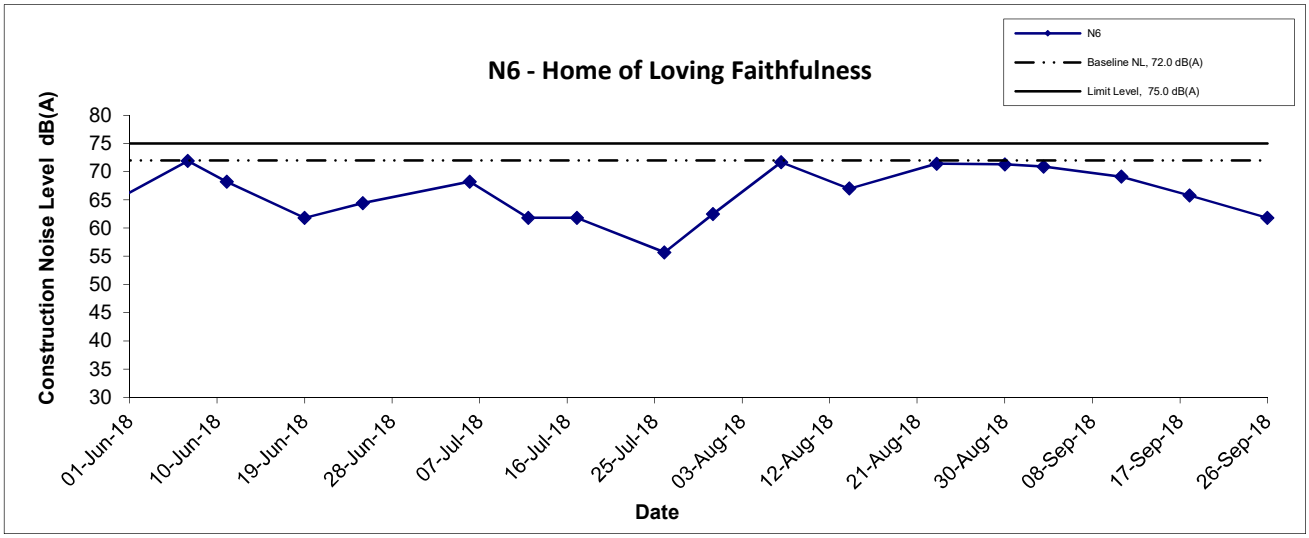


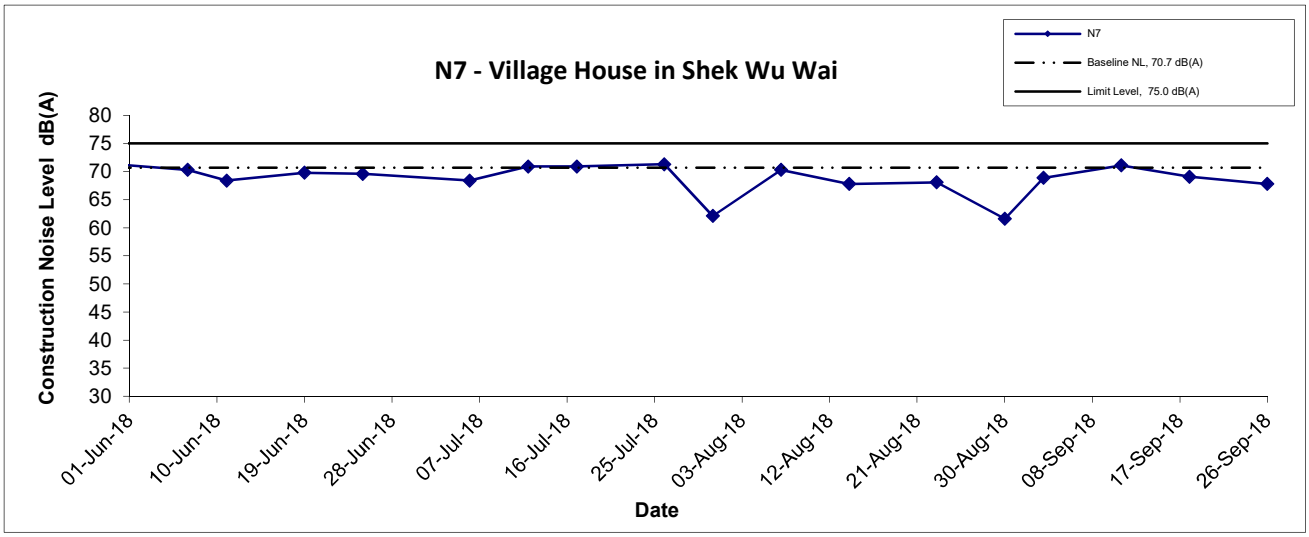


Title: Agreement No. CE 67/2015 (HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction Graphical Presentation of Construction Noise Monitoring Results	Scale: N.T.S Date: Sep-18	Project No.: MA16036 Appendix: E	CINOTECH

Noise Levels







Title: Agreement No. CE 67/2015 (HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction Graphical Presentation of Construction Noise Monitoring Results	Scale: N.T.S Date: Sep-18	Project No.: MA16036 Appendix: E	CINOTECH

APPENDIX F
SUMMARY OF EXCEEDANCE

Agreement No. CE 67/2015 (HY)
Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works – Design and Construction

Appendix F – Summary of Exceedance

Exceedance Report for Contract No. YL/2015/01 – Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works

(A) Exceedance Report for Construction Noise
(NIL in the reporting month)

APPENDIX G
SITE AUDIT SUMMARY

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	180905
Date	5 September 2018 (Wednesday)
Time	10:00-12:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	No environmental deficiency was identified during site inspection.	
	C. Air Quality	
180905-R01	• To keep site entrance clean and free from dust at Portion B.	C 3
	D. Construction Noise Impact	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
180905-F06	• Clear the mud/oily water at the drip tray as chemical waste at WA3.	E 9
180905-F07	• Clear the oil stains as chemical waste at WA3.	E 8
180905-F04	• To provide skip/rubbish bins at Portion C.	E 1ii
180905-F03	• To provide drip tray for the chemical containers at Portion E.	E 8, 9
180905-F02	• To provide drip tray for the chemical containers at Portion C.	E 8, 9
	F. Ecology and Fisheries	
	No environmental deficiency was identified during site inspection.	
	G. Landscape & Visual	
180905-F05	• To set up a proper tree protection zone at WA3.	G 1, 2
	H. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	I. Others	
	Follow up on the previous session (Ref. No: 180829), follow up action is needed to be reviewed for item 180829-R02, 180829-F03, 180829-F06, 180829-F07, 180829-F08 and 180829-F09.	

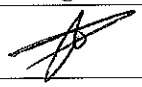
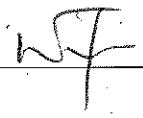
	Name	Signature	Date
Recorded by	Kinson Poon		5 September 2018
Checked by	Dr. Priscilla Choy		6 September 2018

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	180912
Date	12 September 2018 (Wednesday)
Time	10:00-12:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	No environmental deficiency was identified during site inspection.	
	C. Air Quality	
180912-R01	• To keep site entrance clean and free from dust at Portion C.	C 3
	D. Construction Noise Impact	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
180912-F06	• Clear the mud/oily water at the drip tray as chemical waste at WA3.	E 9
180912-F07	• Clear the oil stains as chemical waste at WA3.	E 8
180912-F04	• To provide skip/rubbish bins at Portion C.	E 1ii
180912-F03	• To provide drip tray for the chemical containers at Portion E.	E 8, 9
180912-F02	• To provide drip tray for the chemical containers at Portion C.	E 8, 9
	F. Ecology and Fisheries	
	No environmental deficiency was identified during site inspection.	
	G. Landscape & Visual	
180912-F05	• To set up a proper tree protection zone at WA3.	G 1, 2
	H. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	I. Others	
	Follow up on the previous session (Ref. No: 180905), follow up action is needed to be reviewed for item 180905-F02, 180905-F03, 180905-F04, 180905-F05, 180905-F06 & 180905-F07.	

	Name	Signature	Date
Recorded by	Kinson Poon		12 September 2018
Checked by	Dr. Priscilla Choy		13 September 2018

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	180919
Date	19 September 2018 (Wednesday)
Time	10:00-12:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	No environmental deficiency was identified during site inspection.	
	D. Construction Noise Impact	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
180919-F04	• Clear the mud/oily water at the drip tray as chemical waste at WA3.	E 9
180919-F05	• Clear the oil stains as chemical waste at WA3.	E 8
180919-F02	• To provide skip/rubbish bins at Portion C.	E 1ii
180919-F01	• To provide drip tray for the chemical containers at Portion E.	E 8, 9
	F. Ecology and Fisheries	
	No environmental deficiency was identified during site inspection.	
	G. Landscape & Visual	
180919-F03	• To set up a proper tree protection zone at WA3.	G 1, 2
	H. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	I. Others	
	Follow up on the previous session (Ref. No: 180912), follow up action is needed to be reviewed for item 180912-F03, 180912-F04, 180912-F05, 180912-F06 and 180912-F07.	

	Name	Signature	Date
Recorded by	Kinson Poon		19 September 2018
Checked by	Dr. Priscilla Choy		20 September 2018

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	181028
Date	28 October 2018 (Friday)
Time	10:00-12:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	No environmental deficiency was identified during site inspection.	
	D. Construction Noise Impact	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
180928-F05	• Clear the oil stains as chemical waste at WA3.	E 8
180928-F03	• To provide skip/rubbish bins at Portion C.	E 1ii
180928-F02	• To provide drip tray for the chemical containers at Portion E.	E 8, 9
180928-R01	• Clear the muddy water at the drip tray as chemical waste at near Subway D.	E 9
	F. Ecology and Fisheries	
	No environmental deficiency was identified during site inspection.	
	G. Landscape & Visual	
180928-F04	• To set up a proper tree protection zone at WA3.	G 1, 2
	H. Permits/Licences No environmental deficiency was identified during site inspection.	
	I. Others	
	Follow up on the previous session (Ref. No: 180919), follow up action is needed to be reviewed for item 180919-F01, 180919-F02, 180919-F03 and 180919-F05.	

	Name	Signature	Date
Recorded by	Kinson Poon		28 September 2018
Checked by	Dr. Priscilla Choy		28 September 2018

APPENDIX H
EVENT AND ACTION PLANS

Appendix H - Event and Action Plans

Event and Action Plan for Construction Noise

EVENT	ACTION			
	ET LEADER	**IEC**	**ER**	**CONTRACTOR**
Action Level being exceeded	1. Notify IC(E) and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IC(E) and Contractor; 4. Discuss with the Contractor and formulate remedial measures; 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; 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 are properly implemented.	1. Submit noise mitigation proposals to IC(E); 2. Implement noise mitigation proposals.
Limit Level being exceeded	1. Notify IC(E), ER, EPD and Contractor; 2. Identify source; 3. Repeat measurement to confirm findings 4. Increase monitoring frequency; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Inform IC(E), ER and EPD the causes & actions taken for the exceedances;	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly. 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 are properly implemented; 5. If exceedance continues, consider what portion of the	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IC(E) within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposal if problem still not under control; 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

	7. Assess effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring		work is responsible and instruct the Contractor to stop that portion of the work until the exceedance is abated.	

APPENDIX I
ENVIRONMENTAL MITIGATION
IMPLEMENTATION SCHEDULE (EMIS)

Appendix I - Summary of Implementation Schedule of Mitigation Measures for Construction Phase

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
Construction Air Quality			
S.3.6.2	S.3.2.3	All the dust control measures as recommended in the Air Pollution Control (Construction Dust) Regulation, where applicable, should be implemented. Typical dust control measures include:	^
S.3.6.2	S.3.2.3	● The works area for site clearance shall be sprayed with water before, during and after the operation so as to maintain the entire surface wet	^
S.3.6.2	S.3.2.3	● Restricting heights from which materials are to be dropped, as far as practicable to minimize the fugitive dust arising from unloading/ loading	^
S.3.6.2	S.3.2.3	● Immediately before leaving a construction site, all vehicles shall be washed to remove any dusty materials from the bodies and wheels. However, all spraying of materials and surfaces should avoid excessive water usage	*
S.3.6.2	S.3.2.3	● Where a vehicle leaving a construction site is carrying a load of dusty materials, the load shall be covered entirely by clean impervious sheeting to ensure that the dusty materials will not leak from the vehicle	^
S.3.6.2	S.3.2.3	● Travelling speeds should be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks	^
S.3.6.2	S.3.2.3	● Erection of hoarding of not less than 2.4 m high from ground level along the site boundary, where appropriate	^
S.3.6.2	S.3.2.3	● Any stockpile of dusty materials shall be covered entirely by impervious sheeting; and/or placed in an area sheltered on the top and 4 sides	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
S.3.6.2	S.3.2.3	● All dusty materials shall be sprayed with water or a dust suppression chemical immediately prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet	^
Construction Noise Impact			
S5.5.11	S4.2.17 (Stage 1 only)	In order to prevent potential cumulative construction noise impacts to NSRs at Mai Po San Tsuen and Palm Springs, the works at the cycle track section (near CH-MP5+100m) are recommended to be scheduled to avoid works at the areas near Castle Peak Road of the Proposed Comprehensive Development at Wo Shang Wai (CDWSW) project if the works site of the CDWSW project is less than 300 m away from Castle Peak Road.	N/A
S.5.5.14	S.4.2.2 (Stage 1 only)	The contractor shall liaise with the Yuen Long and Kam Tin Sewerage and Sewage Disposal Stage 2 (YLKTSSD2) and North West New Territories Salt Water Supply (NWNTSWS) works contractors so as to avoid undertaking works concurrently with the works when they are in the close proximity as far as practicable. As a conservative approach, works for the cycle track shall be carried out when the works from the other projects are over 300 m away. The requirements shall be included in the works contracts.	N/A
N/A	N/A (Stage 2 only)	The contractor shall liaise with Yuen Long and Kam Tin Sewerage and Sewage Disposal (YLKSSD), Construction of Cycle Tracks and the associated Supporting Facilities at Nam Sang Wai, Yuen Long (NSWCT), Drainage Improvement at Northern NT - Package A – Drainage Improvement Works in San Tin (Remaining Works) - Investigation, North East New Territories New Development Areas Planning and Engineering Study (Investigation) (NENTNDA) and the Proposed Residential cum Passive Recreational Development within “Recreation” (“REC”) zone and “Residential (Group C)” Zone at Various Lots in DD 104, Yuen Long, N.T. (RCPRD) contractors so as to avoid undertaking works concurrently with their works (refer to S. 4.2.2 of the EM&A Manual for Stage 2 Works).	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
Table 5-7	S.4.2.19	Use of quiet plant (PME): - mini excavator - mobile crane - dump truck - hand-held electric circular saw - concrete lorry mixer - lorry - vibratory poker - asphalt paver - crane mounted auger - road roller - road ripper, excavator mounted	^
S.5.6.2 Table 5-8	S.4.2.19	Noise barrier in the form of site hoarding shall be used for the following PMEs where practicable: - mini excavator - mobile crane - dump truck - hand-held electric circular saw - bar bender - vibrating hammer - generator - concrete lorry mixer - lorry - vibratory poker - asphalt paver - compactor - road roller - crane mounted auger	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		- grout mixer - grout pump - drill - road ripper, excavator mounted	
S.5.6.2	S.4.2.19	Noise enclosure shall be used for the following PMEs where practicable: - air compressor - hand-held breaker	N/A (1)
S.5.6.2	S.4.2.19	The barrier / enclosure material's surface mass shall be in excess of 7 kg/m^2.	^
S.5.6.6	S.4.2.19	Use of alternative quieter plant such as road ripper, excavator mounted instead of handheld breaker during levelling/excavation works.	^
S.5.6.8	S.4.2.19	The Contractor shall adopt the Code of Practice on Good Management Practice to Prevent Violation of the Noise Control Ordinance (Chapter 400) (for Construction Industry) published by EPD	^
S.5.6.8	S.4.2.19	The Contractor shall observe and comply with the statutory and non-statutory requirements and guidelines	^
S.5.6.8	S.4.2.19	Before commencing any work, the Contractor shall submit to the project Engineer for approval the method of working, equipment and noise mitigation measures intended to be used at the site	^
S.5.6.8	S.4.2.19	The Contractor shall devise and execute working methods to minimize the noise impact on the surrounding sensitive uses, and provide experienced personnel with suitable training to ensure that those methods are implemented	^
S.5.6.8	S.4.2.19	Noisy equipment and noisy activities should be located as far away from the NSRs as is practical	^
S.5.6.8	S.4.2.19	Unused equipment should be turned off. PME should be kept to a minimum and the parallel use of noisy equipment / machinery should be avoided	^
S.5.6.8	S.4.2.19	Regular maintenance of all plant and equipment	^
S.5.6.8	S.4.2.19	Material stockpiles and other structures should be effectively utilised as noise barriers, where practicable	N/A

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
S.5.6.8	S.4.2.19	The Contractor shall liaise with the schools that are located near the works sites regarding their examination period and schedule the noisy works to avoid the examination period as far as possible	^
Construction Water Quality			
S.6.6.1	S.5.2.4	Mitigation measures should be implemented to prevent the uncontrolled discharge of wastewater from the construction site in accordance with Practice Note for Professional Persons ProPECC PN1/94 - Construction Site Drainage	^
S.6.6.1	S.5.2.4	Surface run-off from the construction sites will be directed into storm drains via adequately designed wastewater treatment facilities such as sand traps, silt traps and sediment settling basins. This is important for works immediately along the Kam Tin River, Ngau Tam Mei Main Drainage Channel, River Beas and Shek Sheung River	^
S.6.6.1	S.5.2.4	Channels, earth bunds or sand bag barriers will be provided on-site to properly direct stormwater to the above-mentioned facilities	^
S.6.6.1	S.5.2.4	Existing silt removal facilities, channels and manholes along roads and pedestrian walkways will be maintained and the deposited silt and grit will be removed regularly, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times	^
S.6.6.1	S.5.2.4	Other manholes (including any newly constructed ones) will be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system	^
S.6.6.1	S.5.2.4	Open stockpiles of materials on site will be avoided or where unavoidable covered with tarpaulin or similar fabric during rainstorms. Measures will be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system	^
S.6.6.1	S.5.2.4	Where possible, works entailing soil excavation will be minimized during the rainy season (i.e. April to September);	^
S.6.6.1	S.5.2.4	Where applicable, final earthworks surfaces/ slopes will be well compacted and	N/A

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		hydro-seeded following completion to prevent erosion	
S.6.6.1	S.5.2.4	During construction works, chemical toilets will be provided for the use of site staff. These will be provided by a licensed contractor, who will be responsible for appropriate disposal and maintenance of the effluent	^
S.6.6.1	S.5.2.4	Works adjacent to the fishponds near Mai Po San Tsuen should be avoided as far as possible during the wet season to avoid runoff into the fishponds	^
S.6.6.1	S.5.2.4	Wastewater from site facilities (such as toilets) should be discharged to foul sewer, where available. Chemical toilets will be considered where there is no foul sewer connection. There is not expected to be a temporary canteen.	^
S.6.6.1	S.5.2.4	All site discharges within Water Control Zones must comply with the terms and conditions of a valid discharge licence issued by EPD	^
S.6.6.1	S.5.2.4	Vehicle wheel washing facilities should be provided, where applicable, at the site exit such that mud, debris, etc. deposited onto the vehicle wheels or body can be washed off before the vehicles are leaving the site area	^
S.6.6.1	S.5.2.4	Section of the road between the wheel washing bay and the public road should be paved with backfill to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains	^
S.6.6.1	S.5.2.4	The project may occasionally involve the handling of fuel and generates chemical wastes. It must be ensured that all fuel tanks and chemical storage are sited on sealed areas and provided with locks	^
S.6.6.1	S.5.2.4	The storage areas will be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank to prevent accidentally spilled oil, fuel or chemicals from reaching the receiving waters	^
S.6.6.1	S.5.2.4	Oil and grease removal facilities will be provided where appropriate, for example, in area near plant workshop/ maintenance areas	N/A
S.6.6.1	S.5.2.4	Chemical waste arising from the site should be properly stored, handled, treated and disposed of in compliance with the requirements stipulated under the Waste Disposal (Chemical Waste) (General) Regulation	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
-	S.5.2.7 (Stage 1 only)	The construction work of cycle bridge at Shek Sheung River is not recommended to be carried out during wet seasons (April to October), and the dry weather flow will be diverted to avoid entering the works area. In order to further protect the river water quality from disturbance, the construction work especially excavation works, will be surrounded by cofferdams to ensure the works will be carried out in a dry condition to prevent water pollution to the river.	^
N/A	S.5.2.4 (Stage 2 only)	Stream decking is recommended to be carried out during dry weather condition. To prevent disturbance to the river water quality, measures will be taken to ensure the works to be carry out in a dry condition to prevent water pollution to the river, such as sandbag barriers.	^
N/A	S.5.2.6 (Stage 2 only)	Based on the current available information, the tentative programmes of some construction works for the Agreement No. CE 57/2011 (DS) Drainage Improvement at Northern NT - Package A Drainage Improvement Works in San Tin (Remaining Works) - Investigation (DIST) and the Construction of Cycle Tracks and the associated Supporting Facilities at Nam Sang Wai, Yuen Long (NSWCT) projects may overlap with Stage 2 cycle track construction works. It is recommended that the Contractor should liaise with the project contractor(s) of the DIST and the NSWCT projects to schedule the construction works and allow programme phrasing to avoid major concurrent activities to be undertaken simultaneously in the vicinity.	^
Construction Waste Management			
S.7.4.1	S.6.2.1 – S.6.2.4	An on-site environmental co-ordinator employed by the Contractor should be identified at the outset of the works. Prior to commencement of Project works, the co-ordinator shall prepare a WMP in accordance with the requirements set out in the ETWB TCW No. 19/2005, Waste Management on Construction Sites, for the ER's approval. The WMP shall include monthly and yearly Waste Flow Tables ("WFT") that indicate the amounts of waste generated, recycled and disposed of (including final disposal site), and which should be regularly updated;	^
S.7.4.1	S.6.2.6	Given the potential for secondary environmental impacts (dust, noise, water quality	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		and visual impacts), mitigation measures are required to ensure proper handling, storage, transportation and disposal of materials at the outset and throughout the construction phase of the project	
S.7.4.1	S.6.2.6	● The reuse/ recycling of all materials on site shall be investigated and exhausted prior to treatment/ disposal off-site	^
S.7.4.1	S.6.2.6	● Good site practices shall be adopted from the commencement of works to avoid the generation of waste, reduce cross contamination of waste and to promote waste minimisation	*
S.7.4.1	S.6.2.6	● All waste materials shall be sorted on-site into inert and non-inert C&D materials, and where the materials can be recycled or reused, they shall be further segregated. Inert material, or public fill will comprise stone, rock, masonry, brick, concrete and soil which is suitable for land reclamation and site formation whilst non-inert materials include all other wastes generated from the construction process such as plastic packaging and vegetation (from site clearance)	^
S.7.4.1	S.6.2.6	● The Contractor shall be responsible for identifying what materials can be recycled/ reused, whether on-site or off-site. In the event of the latter, the Contractor shall make arrangements for the collection of the recyclable materials. Any remaining non-inert waste shall be collected and disposed of to the Public Filling Areas whilst any inert C&D materials shall be re-used on site as far as possible. Alternatively, if no use of the inert material can be found onsite, the materials can be delivered to a Public Fill Area or Public Fill Bank after obtaining the appropriate licence	^
S.7.4.1	S.6.2.6	● In order to monitor the disposal of C&D material and solid wastes at public filling facilities and landfills, and control fly-tipping, a trip-ticket system shall be implemented by the Contractor, in accordance with the contract and the requirements of DEVB Technical Circular (Works) No. 6/2010 “Trip Ticket System for Disposal of Construction and Demolition Material”.	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
S.7.4.1	S.6.2.6	● Under the Waste Disposal (Chemical Waste) (General) Regulation, the Contractor shall register as a Chemical Waste Producer if chemical wastes such as spent lubricants and paints are generated on site. Only licensed chemical waste collectors shall be employed to collect any chemical waste generated at site. The handling, storage, transportation and disposal of chemical wastes shall be conducted in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes and A Guide to the Chemical Waste Control Scheme both published by EPD;	#
S.7.4.1	S.6.2.6	● A sufficient number of covered bins shall be provided on site for the containment of general refuse to prevent visual impacts and nuisance to the sensitive surroundings. These bins shall be cleared daily and the collected waste disposed of to the refuse transfer station. Further to the issue of ETWB Technical Circular (Works) No. 8/2010, Enhanced Specification for Site Cleanliness and Tidiness, the Contractor is required to maintain a clean and hygienic site throughout the project works;	#
S.7.4.1	S.6.2.6	● All chemical toilets, if any, shall be regularly cleaned and the night-soil collected and transported by a licensed contractor to a Government Sewage Treatment Works facility for disposal; and	^
S.7.4.1	S.6.2.6	● Toolbox talks should be provided to workers about the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling.	^
S.7.4.1	S.6.2.6	● The Contractor shall comply with all relevant statutory requirements and guidelines and their updated versions that may be issued during the course of project construction.	^
Land Contamination			
S.8.7.2 – S.8.7.3	S.7.2.2	Preparation of Contamination Assessment Plan (CAP), which should be submitted to EPD for endorsement, prior to investigation.	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		Site investigation and sampling works in accordance with the approved CAP. If contamination is identified, Contamination Assessment Report (CAR) and Remediation Action Plan (RAP) shall be prepared and submitted for EPD's approval.	
S.8.7.5	S.7.3.1	The following control measures should be implemented when handling identified contaminated materials: ▪ General site safety shall be enforced to include basic practices such as the use of safety boots, hard hats, coveralls, gloves and eye protection; ▪ Avoid skin contact, ingestion and inhalation of excavated contaminated soils. Basic personal protective equipment should be used; ▪ Site staff and workers shall be given adequate training and instructions specific to the potential hazards, their health and safety responsibilities and safe working practice including basic personal hygiene; ▪ Measures shall be implemented to prevent non-workers from approaching the identified works areas in order to avoid exposure to contaminants.	N/A
S.8.7.5	S.7.3.1	Management of Contaminated Soils ▪ Where appropriate, the use of bulk handling equipment should be maximised to reduce the potential contacts between excavated contaminated materials and associated workers; ▪ The plants for excavation and transportation of the material shall be cleaned prior to leaving the Site; ▪ All temporary stockpiles of the materials shall be completely covered with plastic/ tarpaulin sheets, particularly during heavy rainstorms. The stockpiling areas should be concrete-paved or lined with its perimeter constructed of a concrete bund where appropriate in order to avoid any leachate from migrating out of the area; ▪ Any vehicles transporting the material shall be suitably covered to limit potential dust emissions; ▪ Surface waters shall be diverted around any contaminated areas or stockpiles to minimize potential runoff into excavations, as runoff might increase the volume of	N/A

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		contaminated water requiring disposal and suspended solids in the wastewater stream	
Ecological & Fisheries Impact			
S.9.11.4	S.8.2.2	Prior to tree felling, survey inspections should be made for their suitability for roosting bats. Once these trees have been highlighted, then appropriate checks of each tree for bats should be made prior to removal as a precautionary measure.	^
S.9.11.7	S.8.2.3 (Stage 1 only)	*In situ* compensation planting at the Information Kiosk and R9 should occur to provide continuing function of the bamboo and plantation (see Figure 8-1 of EM&A Manual for Stage 1 Works (Year 2015)). It is recommended that the Information Kiosk and Resting Station R9 should be designed sympathetically to the natural surroundings. Compensation planting along the Sheung Yue River and Shek Sheung River including at R9 and Information Kiosk could be implemented as appropriate.	N/A
S.9.11.17 – S.9.11.19	S.8.2.4 (Stage 1) S.8.2.3 (Stage 2)	For the Kam Tin section and the Long Valley section of the Project, construction works shall not be carried out during the wet season (April to October) which is considered to have no significant impact to wildlife and to avoid the breeding season of Greater Painted-snipes at Long Valley. This is also to prevent any site run-off to adjacent water channels and fishponds including those fishponds along San Tin Tsuen Road.	^
S.9.11.23	S.8.2.4 (Stage 2 only)	Construction of the section in the vicinity of Mai Po Village SSSI shall be undertaken beyond the recognised breeding seasons for ardeids in Hong Kong to prevent any potential disturbance to the nesting birds, i.e., from September to February.	^
-	S.8.2.5 (Stage 1 only)	In order to avoid any adverse impact to the healthiness of the bamboo groove from dust-coating on leave next to the R9 and hence affect the breeding habitat of the very rare Dark Brown Ace, a dust barrier should be installed between the bamboo and the construct site.	N/A
-	S.8.2.6 (Stage 1 only)	For the lower Shek Sheung River, construction works should be scheduled in dry season to minimize the disturbance to the foraging ardeids and the Quiet PME shall	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		be implemented practicable to minimize the noise disturbance to the foraging ardeids.	
S.10.5.4	S.8.2.7 (Stage 1) S.8.2.5 (Stage 2)	To prevent any negative impact to water quality as a result of site run-off, good site practice must be employed at all times, particularly in the areas close to fishponds. Practice Note for Professional Persons ProPECC PN1/94 – Construction Site Drainage shall be implemented.	^
S.10.5.4	S.8.2.8 (Stage 1) S.8.2.6 (Stage 2)	Along Pok Wai South Road, once the final construction sequencing is known, liaison with local residents and aquaculturists should be implemented in order to minimise temporary road blockages and to identify the best timing for works along this area.	N/A
S.10.5.3	S.8.2.9 (Stage 1) S.8.2.7 (Stage 2)	During wet seasons, surface run-off from the construction sites will need to be directed into storm drains via adequately designed wastewater treatment facilities such as sand traps, silt traps, oil interceptors and sediment settling basins. Works adjacent to the fishponds near NTMDC inside the Wetland Conservation Area (WCA) and Mai Po San Tsuen should be avoided, as far as practicable, during the wet season to avoid runoff into the fishponds.	^
-	S.8.2.10 (Stage 1 only)	The use of signage at the Resting Stations to indicate that wildlife may be present and that noise levels and activities should be kept to a minimum could be implemented. This may help to reduce any potential disturbance to wildlife from human activity. At Long Valley, to mitigate against potential indirect human disturbance to Greater Painted-snipe, planting could be undertaken as appropriate along the proposed cycle track at meander 8 to act as screening.	N/A
S.9.11.27	S.8.2.11 (Stage 1) S.8.2.9 (Stage 2)	The following good work practices are recommended: ▪ Avoid soil storage against trees; ▪ Fence off any potentially ecologically sensitive areas; ▪ Delineation of works area to prevent encroachment onto adjacent habitats; ▪ Reinstatement of habitat after works; ▪ No on-site burning of waste;	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		▪ Waste and refuse in appropriate receptacles; ▪ Staff training/toolbox talks for site work near Long Valley and WCA – important areas for birds therefore staff should reduce amount of noise whilst working and during breaks where possible; ▪ Regular ecological checks; and ▪ Silt/ Sediment/ Oil traps for drainage to prevent site run-off	
Cultural Heritage Impact			
S.11.5.1	S.9.2.1	Care should be taken during the construction stage to report any signs of possible discovery of artefacts.	N/A
Landscape and Visual			
Detailed Design Phase			
Table 12-11	CP1	A detailed tree survey to be carried out by the IDC Consultant during the detailed design stage. The recommendations of the preliminary tree survey shall be reviewed and confirmed during the detailed survey. Should tree felling be required, tree felling application is required in accordance with DEVB Technical Circular (Works) No. 10/2013 Tree Preservation	^
S.12.9.3	CP6	It has been agreed that the proposed landscape areas under DSD's 4215DS project which falls within the cycle track works area will be implemented by Project proponent of this Project in form of roadside amenity areas after completion of the cycle track. During the detailed design, the works programme of this Project shall be coordinated with the above-mentioned DSD project in order to avoid abortive planting works and impact on landscape resources between the interface of different public works. The proposed landscape areas under 4215DS falled within the cycle track works area shall be incorporated in the final landscape design of this Project.	^
S.12.10.1	OP1	The Design Concept Drawings and Conceptual Landscape Master Plan of cycle track and associated facilities demonstrate landscape and visual mitigation strategies and design measures including integrated design approach, amenity and compensatory	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		planting proposals and treatment of retaining structure and slopes have been recommended in the EIA. More detailed landscape and compensatory planting proposals shall be developed by IDC consultants at later stage during detailed design and construction phase of this project following the completion of the detailed Tree Survey Report and approval from relevant departments at that stage	
Construction Phase			
Table 12-11	CP1.1	To retain trees, which have high amenity or ecology value and contribute most to the landscape and visual amenity of the site and its immediate environs.	^
	CP1.2	Creation of precautionary area around trees to be retained equal to half of the trees canopy diameter. Precautionary area to be fenced.	^
	CP1.3	Prohibition of the storage of materials including fuel, the movement of construction vehicles, and the refuelling and washing of equipment including concrete mixers within the precautionary area.	#
	CP1.4	Phased segmental root pruning for trees to be retained and transplanted over a suitable period (determined by species and size) prior to lifting or site formation works which affect the existing rootball of trees identified for retention. The extent of the pruning will be based on the size and the species of the tree in each case.	^
	CP1.5	Pruning of the branches of existing trees identified for transplantation and retention to be based on the principle of crown thinning maintaining their form and amenity value.	^
	CP1.6	The watering of existing vegetation particularly during periods of excavation when the water table beneath the existing vegetation is lowered.	^
	CP1.7	The rectification and repair of damaged vegetation following the construction phase to its original condition prior to the commencement of the works or replacement using specimens of the same species, size and form where appropriate to the design intention of the area affected	N/A
	CP1.8	All works affecting the trees identified for retention and transplantation will be carefully monitored. This includes the key stages in the preparation of the trees, the	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		implementation of protection measures and health monitoring throughout the construction period	
	CP1.9	Detailed landscape and tree preservation proposals will be submitted to the relevant government departments for approval under the lease conditions and in accordance with ETWB TCW No. 2/2004 and WB Technical Circular No. 14/2002.	N/A
	CP2.0	The tree preservation works should be implemented by approved Landscape Contractors and inspected and approved on site by a qualified Landscape Architect. A tree protection specification would be included within the contract documents.	^
	CP2.1	Topsoil disturbed during the construction phase should be tested using a standard soil testing methodology and where it is found to be worthy of retention stored for re-use.	^
	CP2.2	The soil will be stockpiled to a maximum height of 2m and will be either temporarily vegetated with hydroseeded grass during construction or covered with a waterproof covering to prevent erosion.	^
	CP2.3	The stockpile should be turned over on a regular basis to avoid acidification and the degradation of the organic material, and reused after completion. Alternatively, if this is not practicable, it should be considered for use elsewhere, including other projects.	^
	CP3.1	Where appropriate to the final design the landscape of these works areas should be restored following the completion of the construction phase.	N/A
	CP3.2	Construction site controls should be enforced including the storage of materials, the location and appearance of site accommodation and the careful design of site lighting to prevent light spillage.	^
	CP3.3	Screen the works area during the construction phase through the use of decorative hoarding along the site boundary facing adjacent VSRs	^
	CP4.1	Replanting of disturbed vegetation should be undertaken at the earliest possible stage of the construction phase	^
	CP4.2	Use of native plant species predominantly in the planting design for the buffer areas.	^
	CP4.3	The tree planting works should be implemented by approved Landscape Contractors	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		and inspected and approved on site by a qualified Landscape Architect. A tree planting specification would be included within the contract documents	
	CP5.1	The tree transplanting works should be implemented by approved Landscape Contractors and inspected and approved on site by a qualified Landscape Architect. A tree protection / transplanting specification would be included within the contract documents.	^
	CP5.2	The implementation program should reserve enough time for advance tree transplanting preparation.	^

Remarks:	EM&A Manual for Stage 1 Works under EP-450/2013/A (App No.: VEP-478/2015) EM&A Manual for Stage 2 Works under EP-501/2015 (App No.: AEP-501/2015)	
	^ Compliance of mitigation measure;	X Non-compliance of mitigation measure;
	N/A Not Applicable at this stage; N/A(1) Not observed;	• Non-compliance but rectified by the contractor;
	* Recommendation was made during site audit but improved/rectified by the contractor.	# Recommendation was made during site audit but not yet improved/rectified by the contractor.

APPENDIX J
SUMMARIES OF ENVIRONMENTAL COMPLAINT, WARNING, SUMMON AND NOTIFIATION OF SUCCESSFUL PROSECUTION

Agreement No. CE 67/2015 (HY)
Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works – Design and Construction

Appendix J – Summary of environmental complaint, warning, summon and notification of successful prosecution

Reporting Month: September 2018

Contract No. YL/2015/01
Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works

Log Ref.	Location	Received Date	Details of Complaint/warning/summon and prosecution	Investigation/Mitigation Action	Status
N/A	N/A	N/A	N/A	N/A	N/A

Remarks: No environmental complaint/warning/summon and prosecution were received in the reporting period.

APPENDIX K
SUMMARY OF WASTE GENERATION AND DISPOSAL RECORDS

Name of Department: CEDD Contract No.: YL/2015/01

_ _

Monthly Summary Waste Flow Table for __2016__ (Year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill*	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	0.01	0.01	0.01	-	0.01
Aug	-	-	-	-	-	-	0.01	0.01	0.01	-	0.01
Sept	0.005	-	-	-	0.005	-	0.01	0.01	0.01	-	0.06
Oct	-	-	-	-	-	-	0.05	0.05	0.05	-	0.04
Nov	0.35	-	-	-	0.35	-	0.05	0.05	0.05	-	0.05
Dec	0.4	-	-	-	0.4	-	0.05	0.05	0.05	-	0.05
Total	0.755	-	-	-	0.755	-	0.18	0.18	0.18	-	0.22

*Remark: Imported Fill not taken into account of Total Quantity Generated

#Revised Figure

Name of Department: CEDD Contract No.: YL/2015/01

Monthly Summary Waste Flow Table for __2017__ (Year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill*	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	0.04	-	-	-	0.04	0.124	0.05	0.05	0.05	-	0.06
Feb	0.02	-	-	-	0.02	-	0.05	0.05	0.05	-	0.01
Mar	1.15	-	-	-	1.15	0.369	0.05	0.05	0.05	-	0.02
Apr	0.65	-	-	-	0.65	-	0.05	0.05	0.05	-	0.02
May	0.79	-	-	-	0.79	-	0.05	0.05	0.05	-	0.01
June	1.63	-	-	-	1.63	-	0.05	0.05	0.05	-	0.02
July	1.25	-	-	-	1.25	-	0.05	0.05	0.05		0.01
Aug	1.49				1.49	-	0.05	0.05	0.05	-	0.01
Sep	1.15	-	-	-	1.14	0.493	0.05	0.05	0.05	-	0.01
Oct	1.19	-	-	-	1.19	-	0.05	0.05	0.05	-	0.01
Nov	0.79	-	-	-	0.76	-	0.05	0.05	0.05	-	0.03
Dec	3.09	-	-	-	3.07	-	0.05	0.05	0.05	-	0.01
Total	13.24				13.18	0.986	0.6	0.6	0.6		0.22

*Remark: Imported Fill not taken into account of Total Quantity Generated

#Revised Figure

Name of Department: CEDD Contract No.: YL/2015/01

Monthly Summary Waste Flow Table for __2018__ (Year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill*	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	4.37	-	-	-	4.36	-	0.05	0.05	0.05	-	0.01
Feb	1.66	-	-	-	1.64	-	0.05	0.05	0.05	-	0.01
Mar	1.85	-	-	-	1.82	-	0.05	0.05	0.05	-	0.01
Apr	3.35	-	-	-	3.31	-	0.05	0.05	0.05	-	0.01
May	0.84	-	-	-	0.82	-	0.01	0.01	0.01	-	0.01
June	0.04	-	-	-	-	-	0.01	0.01	0.01	-	0.04
July	2.75	-	-	-	2.72	-	0.01	0.01	0.01	-	0.03
Aug	1.34	-	-	-	1.32	-	0.01	0.01	0.01	-	0.02
Sept	0.69	-	-	-	0.68	-	0.01	0.01	0.01	-	0.01
Sub-total	16.89	-	-	-	16.67	-	0.25	0.25	0.25	-	0.15
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
Total	30.885	-	-	-	30.605	0.986	1.03	1.03	1.03	-	0.59

*Remark: Imported Fill not taken into account of Total Quantity Generated

#Revised Figure

Forecast of Total Quantities of C&D Materials to be Generated from the Contract*										
Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
5	2	1	1	1	10	3	3	1	1	3

*Remark: Figure to be revised if necessary

Notes:

(1) The performance targets are given in ETWB Technical Circular PS Clause 6(14).
(2) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
(4) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m3. (ETWB Technical Circular PS Clause 5(4)(b) refers). [Delete Note (4) and the table above on the forecast, where inapplicable].