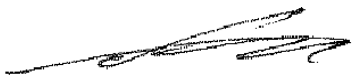
Civil Engineering and Development Department

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)

March 2019

Approved By



Mr. KS Lee
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.

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EXECUTIVE SUMMARY

Introduction

1. This is the 29th 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 March 2019.

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

Portion A	-	Construction of Cycle Track, Installation of Bicycle Parapet, Installation of Light pole
Portion B	-	Construction of Subway A, Construction of Cycle Track, Parapet Footing
Portion C	-	Construction of Retaining Wall RW 11B, 11C, 12, 13 & 14, 15A Resting Station R7, Parapet Footing, Construction of U-Channel, Laying Bituminous for Cycle Track, Planting
Portion D	-	Construction of Drainage Pipe, Construction of RW 15B, 15C, 15D,15E, 16A Stream Decking D1, D2 & D3
Portion E	-	Construction of Retaining Wall RW D4, ,D5, D6, D17, D18, D19, D20, D21, D22, D23, D24, D25 & D26A,B,C Construction of Drainage Pipe, Construction of Boundary Wall
Portion F	-	Construction of Retaining wall RW 43, Construction of Boundary Wall
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Portion I	-	Construction of Subway D, Construction of Drainage Pipe
Portion J	-	Construction of RW 46, 47, 48, 24, 25, 26, Construction of Stream Decking D8, Construction near Dills Corner Garden
Portion K	-	Construction of U-Channel, Construction of DSD's Access Road, Installation of Bicycle Parapet
Portion M	-	Construction of RW 30A, 30B, Construction of Bridge E, Construction of Access Road

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	---

No complaint was received in this reporting month.

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)
   - Discharge License
     - WT00028748-2017, WT00027672-2017,WT00027661-2017 ,WT00027606-2017, WT00027510-2017, WT00027509-2017 ,WT00027603-2017 , WT00027605-2017, WT00027508-2017, WT00027834-2017, WT00028431-2017, WT00027584-2017, WT00027607-2017, WT00028850-2017 ,WT00030236-2018
   - Chemical Waste Producers
     - No.:WPN5213-524-K3261-01

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 29th Monthly EM&A Report summarizing the EM&A works for the Project during March 2019.

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**.

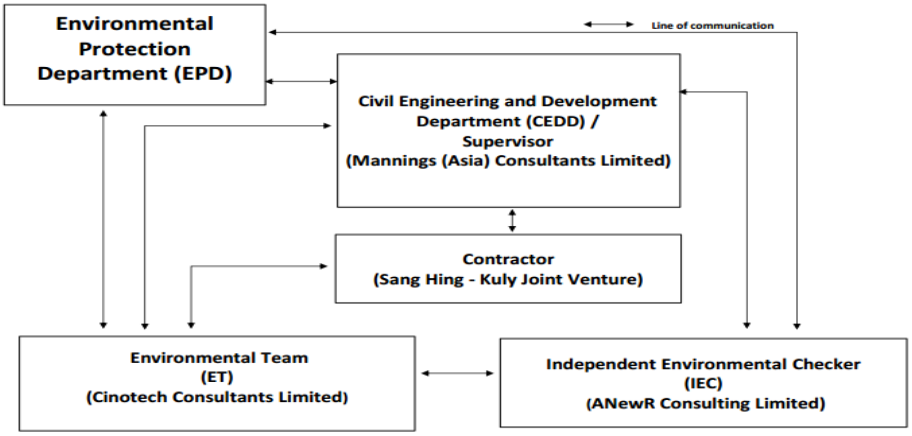


Figure 3 Organization Structure (Environmental Aspects)

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	Mr. KS Lee	2151 2091	3107 1388
		Ms. Betty Choi	2151 2072	
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, Installation of Bicycle Parapet, Installation of Light pole

Portion B - Construction of Subway A, Construction of Cycle Track, Parapet Footing

Portion C - Construction of Retaining Wall RW 11B, 11C, 12, 13 & 14, 15A Resting Station R7, Parapet Footing, Construction of U-Channel, Laying Bituminous for Cycle Track, Planting

Portion D - Construction of Drainage Pipe, Construction of RW 15B, 15C, 15D,15E, 16A Stream Decking D1, D2 & D3

Portion E	-	Construction of Retaining Wall RW D4, ,D5, D6, D17, D18, D19, D20, D21, D22, D23, D24, D25 & D26A,B,C Construction of Drainage Pipe, Construction of Boundary Wall
Portion F	-	Construction of Retaining wall RW 43, Construction of Boundary Wall
Portion H	-	Construction of Retaining Wall RW 45A, 49, DW1 & DW2 Construction of Drainage
Portion I	-	Construction of Subway D, Construction of Drainage Pipe
Portion J	-	Construction of RW 46, 47, 48, 24, 25, 26, Construction of Stream Decking D8, Construction near Dills Corner Garden
Portion K	-	Construction of U-Channel, Construction of DSD's Access Road, Installation of Bicycle Parapet
Portion M	-	Construction of RW 30A, 30B, Construction of Bridge E, Construction of Access Road

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 March 2019.

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

4.2 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.

4.3 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 979, SVAN957, SVAN959	4
Acoustic Calibrator	SV30A, B&K 4231	2

Monitoring Parameters and Frequency

4.4 **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

4.5 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

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

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

4.8 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

4.9 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**.

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

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

4.12 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)
N7	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 (March 19), $L_{eq\ (30min)}$ dB(A)
N1 - HKMLC Wong Chan Sook Ying Memorial School	55-62	62(1)	50.7 – 62.1
N2 – Bethel High School	57-64	64(1)	48.8 - 60.9
N3 – No. 159 Mai Po San Tsuen	70-73	74(2)	65.3 – 71.2
N5 – Block 2, Dills Corner Garden	73-75	75(2)	63.8 – 70.3
N6 – Home of Loving Faithfulness	64-73	74(1)	65.9 – 72.0
N7 – Village House in Shek Wu Wai	N/A(3)	70(2)	67.8 – 70.3

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 was slightly higher than the range of the predicted mitigated construction noise levels, while the results at N5 was lower than the range of the predicted mitigated construction noise levels in the EIA Report. The results at N2, N3 and N6 were within 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 N2, N3, N5 and N6 were lower than the predicted mitigated worst case construction noise levels in the ERR for Stage 2 Works. The result at N1 and N7 exceeded 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 6, 14, 20 and 27 March 2019 in the reporting month. IEC joint site inspection was conducted on 14 March 2019. 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	28/3/2017	31/3/2022	Discharge License for the discharge of wastewater from the construction site including contaminated surface run-off to	Valid
WT00027661-2017	28/3/2017	31/3/2022		
WT00027606-2017	27/3/2017	31/3/2022		
WT00027510-2017	27/3/2017	31/3/2022		

Permit No.	Valid Period		Details	Status
	From	To		
WT00027509-2017	20/3/2017	31/3/2022	the communal storm water drain	
WT00027603-2017	27/3/2017	31/3/2022		
WT00027508-2017	20/3/2017	31/3/2022		
WT00027584-2017	27/3/2017	31/7/2019		
WT00027605-2017	27/3/2017	31/3/2022		
WT00027607-2017	27/3/2017	31/3/2022		
WT00027834-2017	13/4/2017	30/4/2022		
WT00028431-2017	22/6/2017	30/6/2020		
WT00028748-2017	17/08/2017	31/08/2022		
WT00028850-2017	14/08/2017	31/08/2022		
WT00030236-2018	7/02/2018	28/02/2022		
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

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	6 Mar 2019	Sediment control measures should be inspected and maintained after rain storms at Portion D. Accumulation of rain water should be avoided.	The condition was observed to be improved/rectified by the contractor during the audit session on 14 Mar 2019.
	20, 27 Feb, 6 Mar 2019	At Portion D, Standing water should be avoided.	The condition was observed to be improved/rectified by the contractor during the audit session on 14 Mar 2019.
	20, 27 Mar 2019	Standing water should be avoided at Portion D. Water pump should be switched on during operation hour.	Follow up actions will be reported in the next month.
	20, 27 Mar 2019	At Portion D, u-channel should be kept clean to ensure water flow direction.	Follow up actions will be reported in the next month.
Air Quality	22 Jan – 6 Mar 2019	At Portion J, mitigation measure for dust suppressing (e.g. watering) should be implemented at entrance area. Water should be collected and passed through sedimentation tank before discharge.	The condition was observed to be improved/rectified by the contractor during the audit session on 14 Mar 2019.
	22 Jan – 27 Mar 2019	At Portion A, mitigation measure for dust suppressing (e.g. watering) should be implemented at exposed area and public road.	Follow up actions will be reported in the next month.
	30 Jan – 27 Feb 2019	At Portion M, the stockpile should be covered by impervious materials or maintained wet.	The condition was observed to be improved/rectified by the contractor during the audit session on 6 Mar 2019.
	14, 20, 27 Mar 2019	The haul road should be watered regularly at Potion M.	Follow up actions will be reported in the next month.
	27 Mar 2019	The haul road should be watered regularly to avoid dust generation at Subway A.	Follow up actions will be reported in the next month.

Parameters	Date	Observations and Recommendations	Follow-up
	27 Mar 2019	The excavated dusty materials or stockpile of dusty materials should covered by impervious materials at Portion B.	Follow up actions will be reported in the next month.
Noise	N/A	There was no observation in the reporting period.	N/A
Waste/ Chemical Management	26 Jul 2018 – 27 Mar 2019	Clear the oil stains as chemical waste at WA3.	Follow up actions will be reported in the next month.
	6, 14 Mar 2019	Rubbish pile and construction waste should be removed at Subway A.	The condition was observed to be improved/rectified by the contractor during the audit session on 20 Mar 2019.
	20, 27 Mar 2019	Contractor is reminded to store chemicals properly at Subway A and Portion B, e.g. provide drip tray and label containers.	Follow up actions will be reported in the next month.
	20, 27 Mar 2019	Contractor is reminded to store chemicals properly at Portion D, e.g. provide drip tray and label containers.	Follow up actions will be reported in the next month.
	14 Feb – 14 Mar 2019	Rubbish pile under the bridge E should be removed at Portion M.	The condition was observed to be improved/rectified by the contractor during the audit session on 20 Mar 2019.
Ecology and Fisheries	N/A	There was no observation in the reporting period.	N/A
Landscape and Visual	26 Jul 2018 – 27 Mar 2019	To set up a proper tree protection zone at WA3.	Follow up actions will be reported in the next month.
	6, 14, 20, 27 Mar 2019	Existing trees should be protected and maintained carefully and set up a proper tree protection zone at Subway A.	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.

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

8.11 The record of all environmental complaints, warnings, summons and notifications 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, Installation of Bicycle Parapet, Installation of Light Pole.
Portion B	-	Construction of Subway A, Construction of Cycle Track
Portion C	-	Construction of Retaining Wall RW 11A, 11B, 11C, 12, 13 & 14, 15A Resting Station R7, Construction of Drainage Works, Laying Bituminous for Cycle Track, Planting
Portion D	-	Construction of Drainage Pipe, Construction of RW 15B, 15C,15D, 15E, 16A 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, Construction of Boundary Wall, Realignment of Mai Po Lung Road
Portion F	-	Construction of Drainage Pipe, Construction of Retaining wall RW 43, Construction of Boundary Wall, Relocation of Existing Bus Stop
Portion G	-	Remaining Works for Box Culvert C
Portion H	-	Construction of Retaining Wall RW 45A, 49, DW1 & DW2 Construction of Drainage
Portion I	-	Construction of Subway D, Construction of Drainage
Portion J	-	Construction of RW 46, 47, 48, 24, 25, 26, Construction of Stream Decking D8
Portion K	-	Installation of Bicycle Parapet, Construction of DSD's Access Road, Tree and Shrub Planting
Portion M	-	Backfilling behind RW 30A, 30B, Construction of Bridge E's Roofing

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. April to May 2019, 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 were received in this 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

- Nearby channels should be kept clean.
- 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.

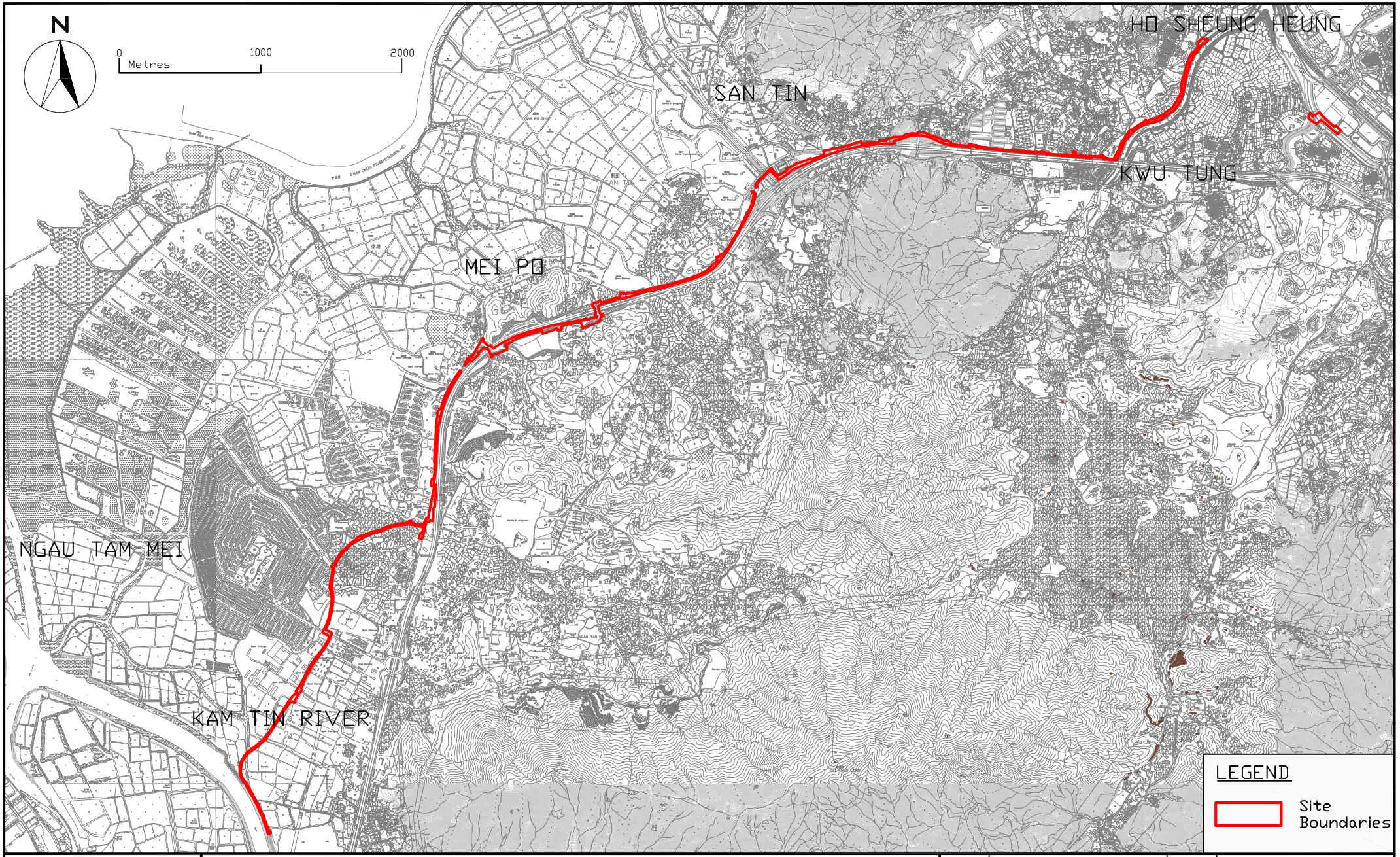
Landscape and Visual

- 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.

Permits/Licences

- Environmental licences should be properly displayed at every entrance.

FIGURES



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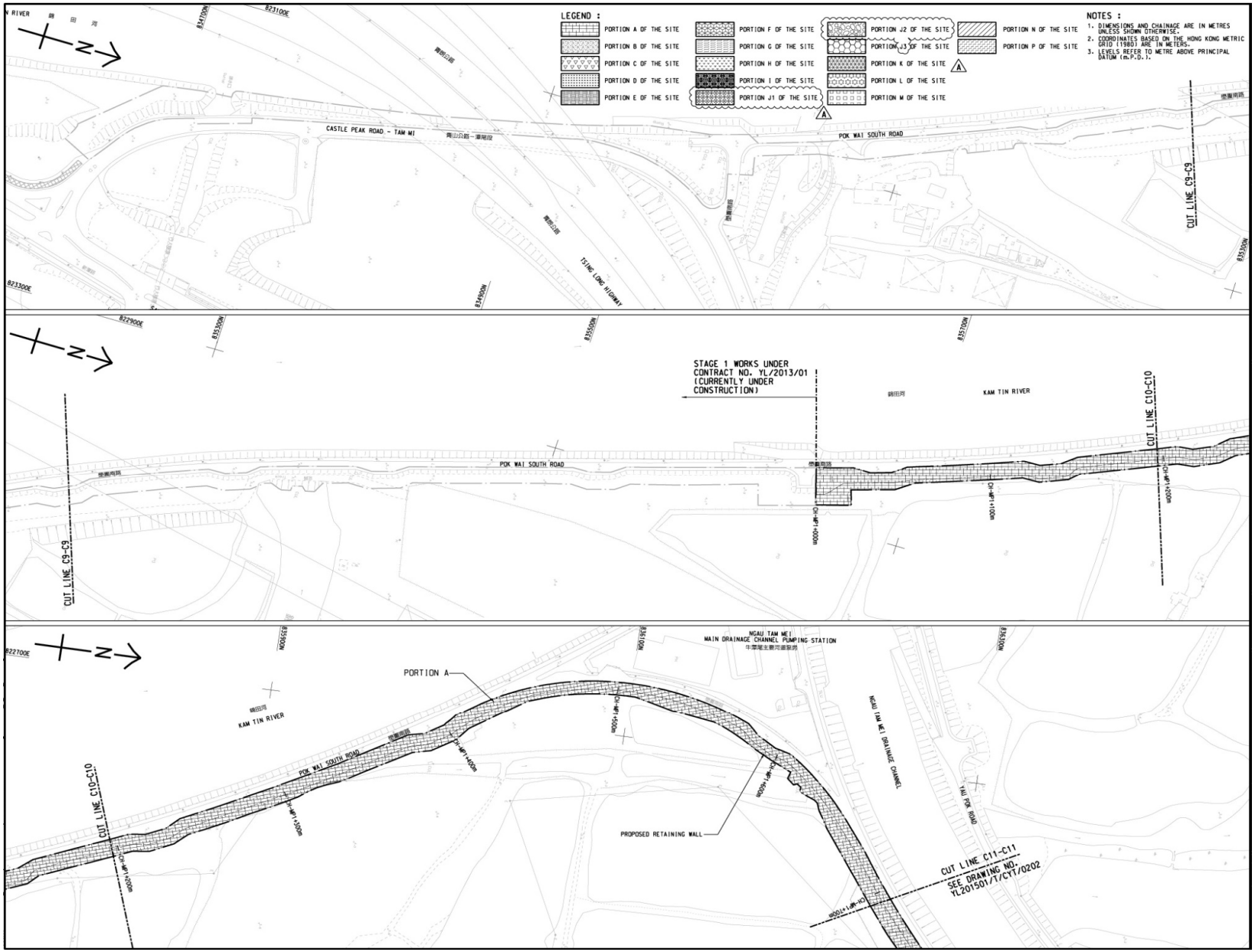
Agreement No. CE 67/2015(HY) – Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works – Design and Construction

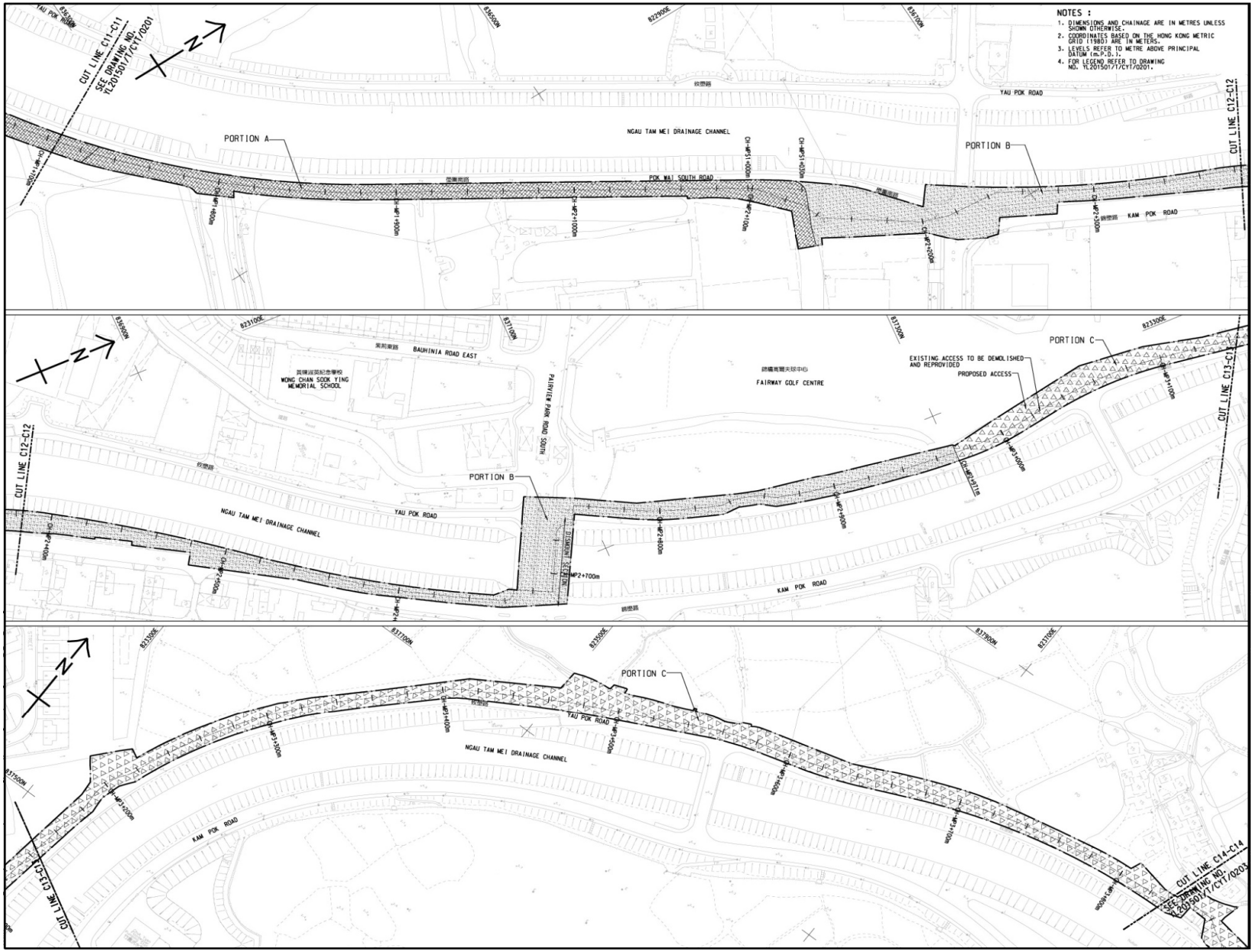
SITE LAYOUT PLAN

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

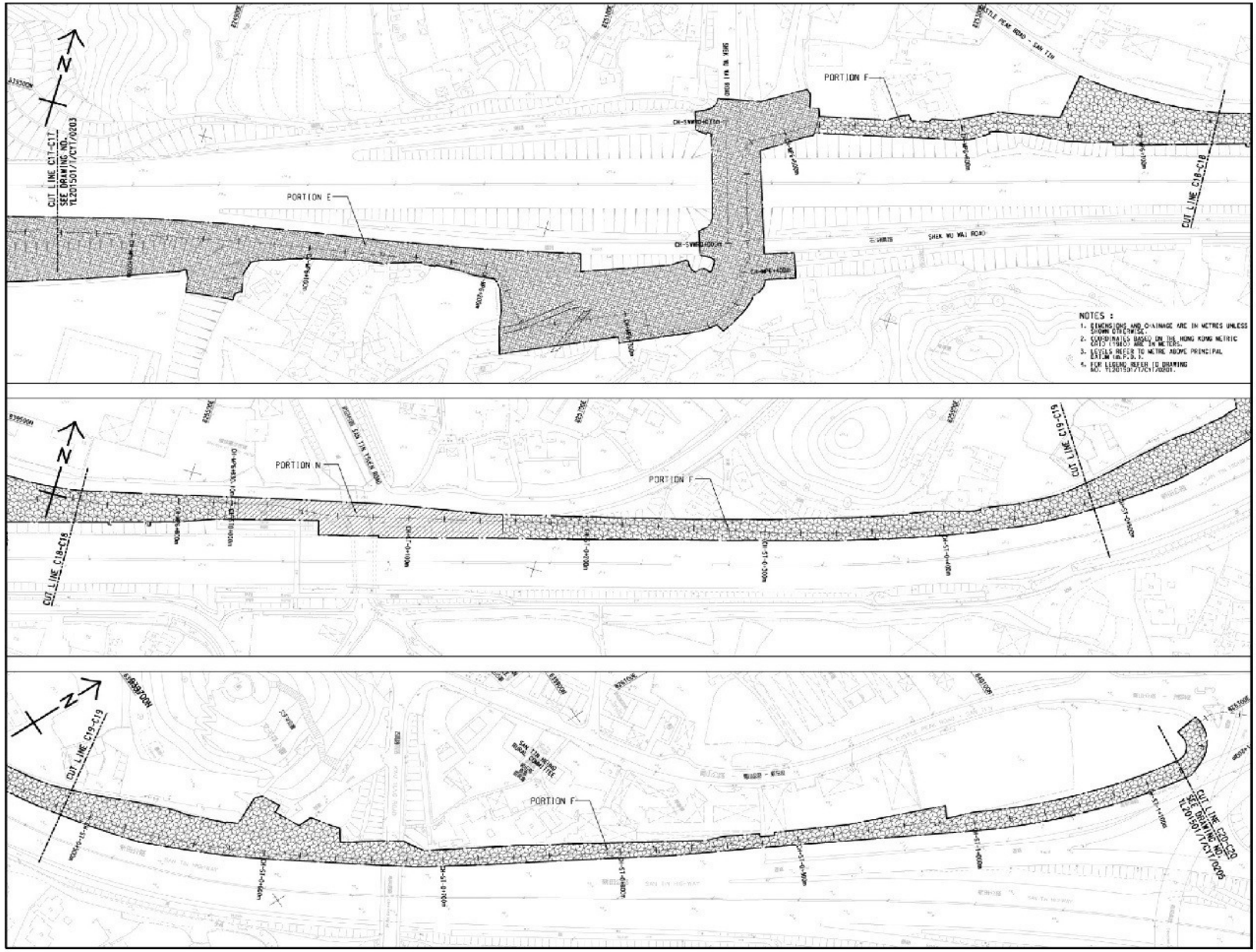


Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S Date Dec-16	Project No. MA16036 Figure 1c

CINOTECH

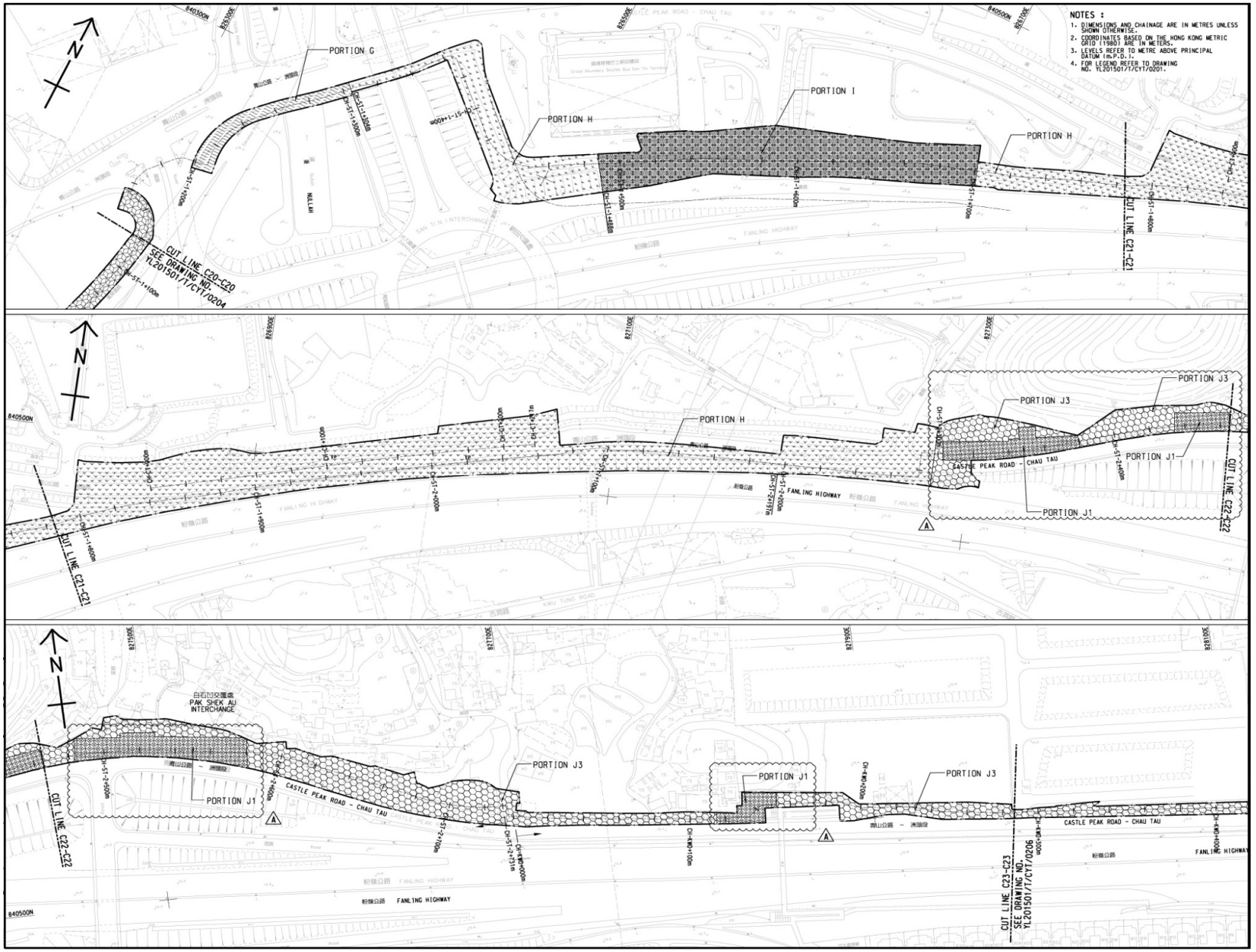
Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S Date Dec-16	Project No. MA16036 Figure 1d

CINOTECH



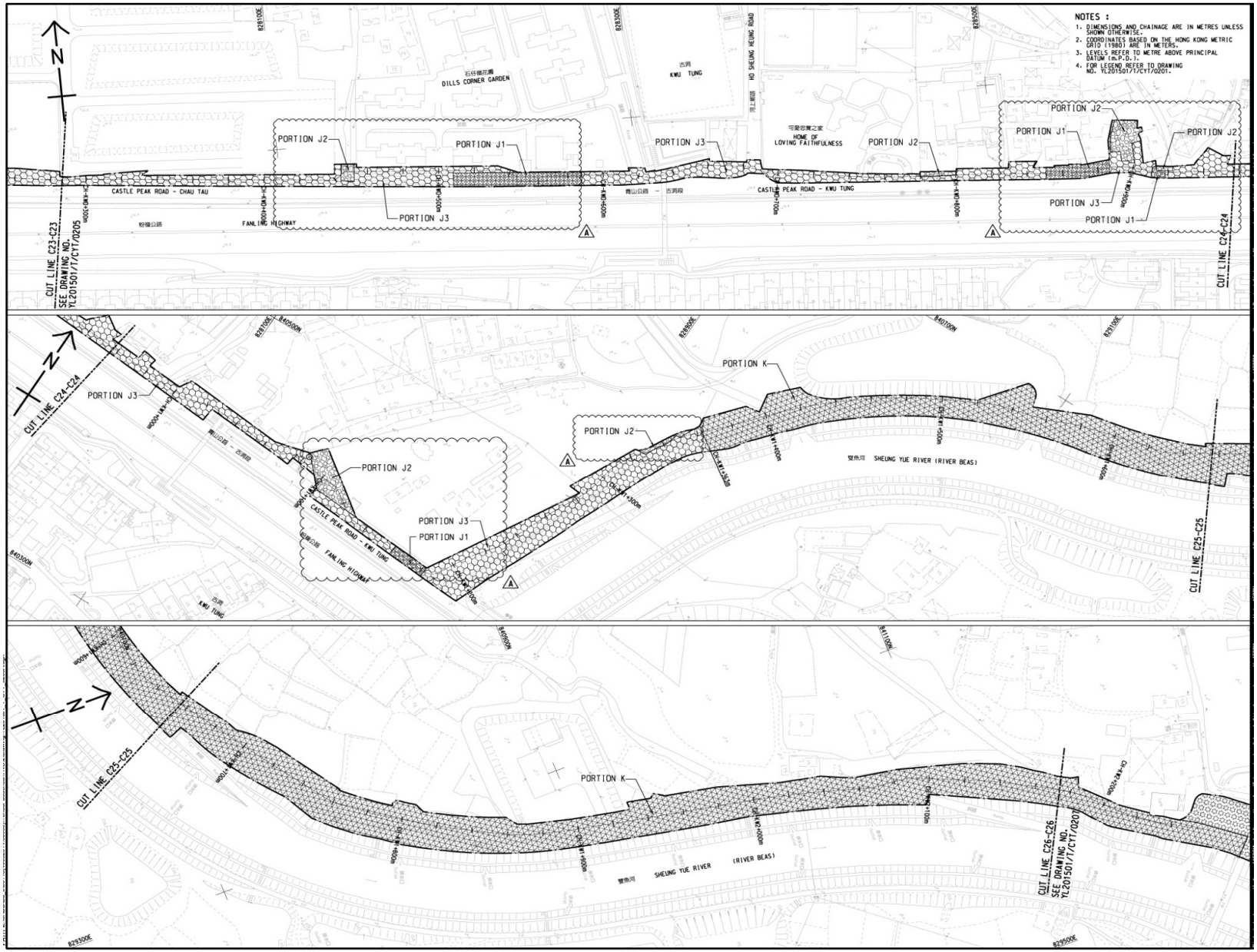
Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale: N.T.S Date: Dec-16	Project No.: MA16036 Figure: 1e

CINOTECH



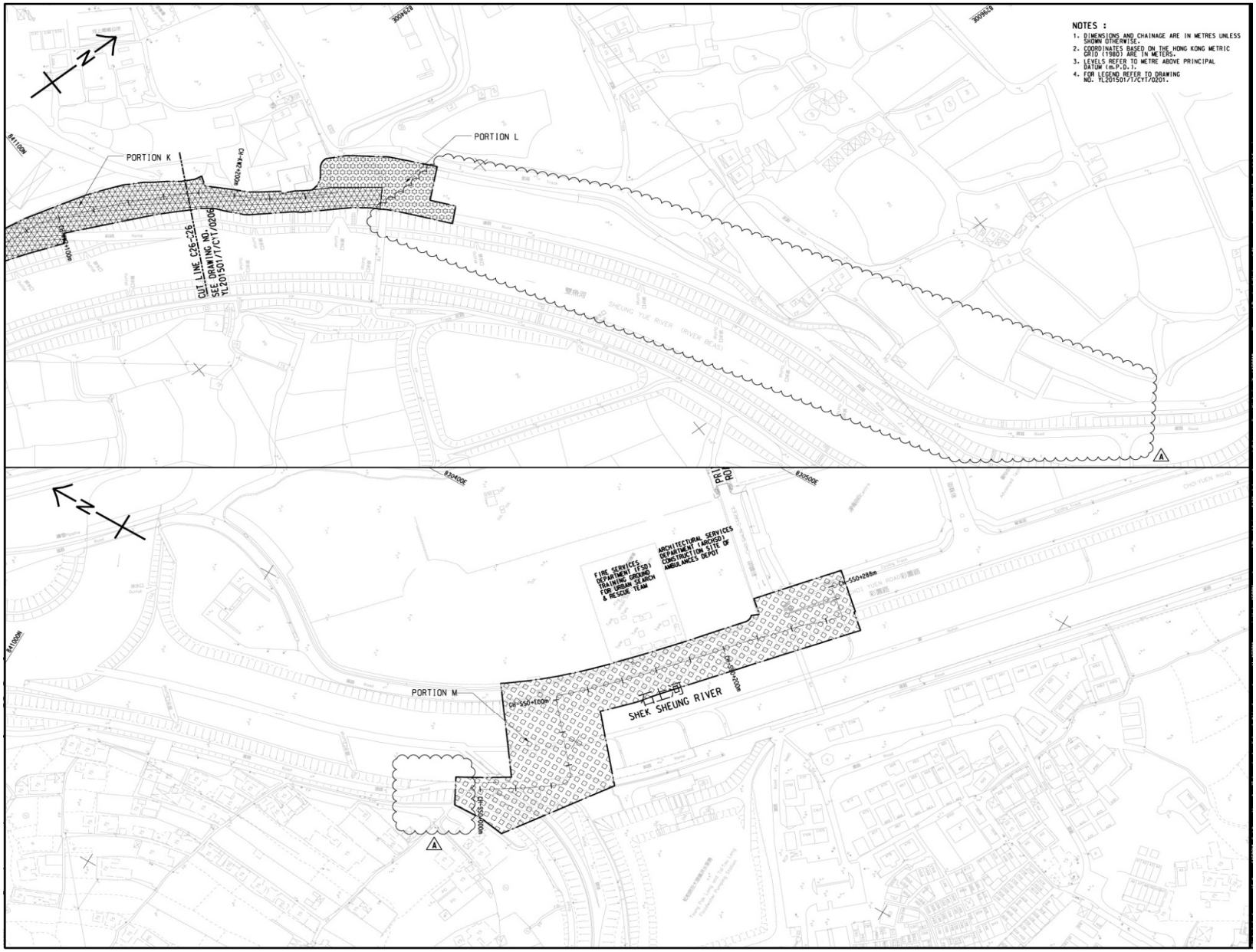
Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S Date Dec-16	Project No. MA16036 Figure 1f

CINOTECH



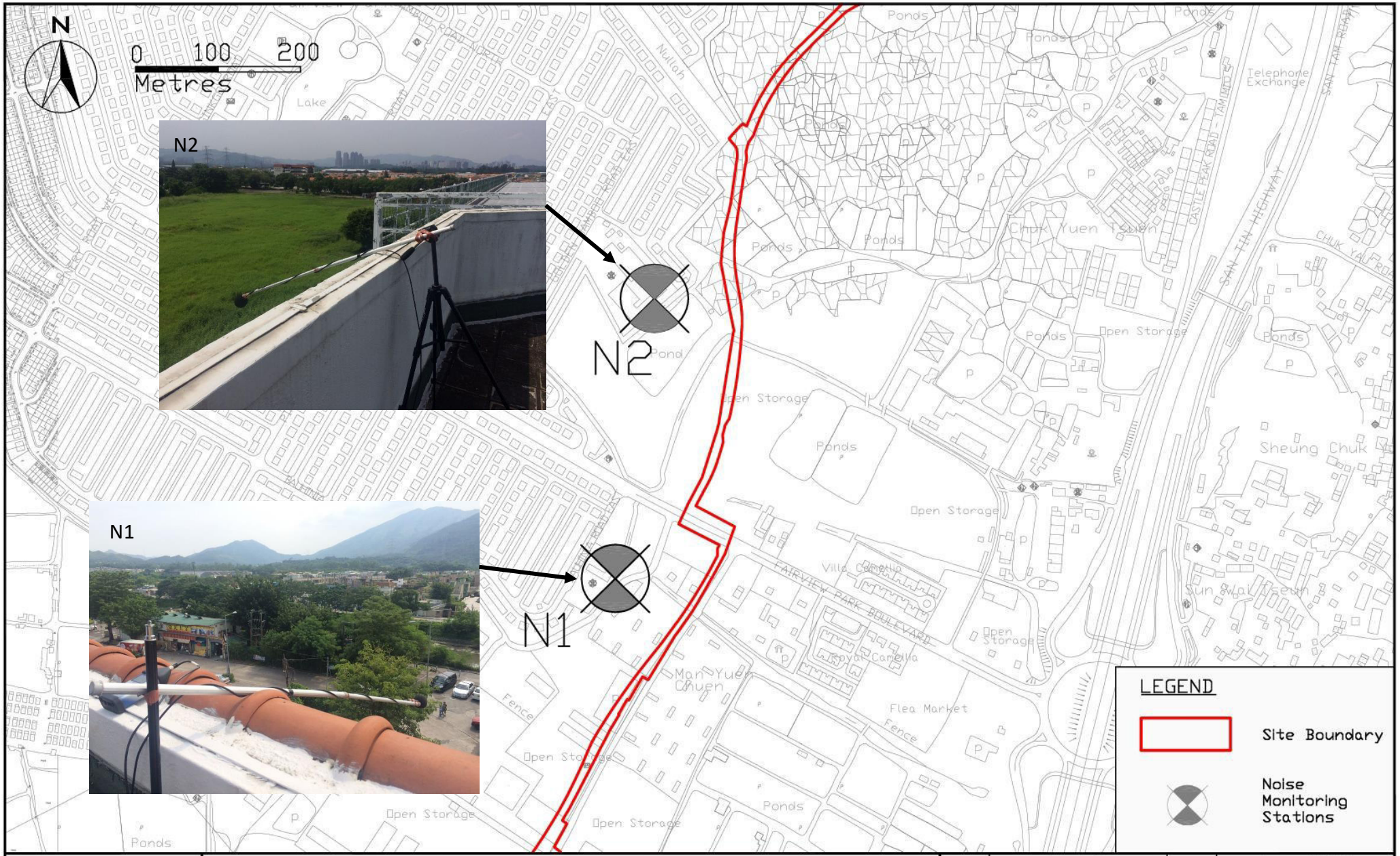
Title	Agreement No. CE 67/2015(HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works Design and Construction Site Layout Plan	Scale N.T.S Date Dec-16	Project No. MA16036 Figure 1g

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 Date Dec-16	Project No. MA16036 Figure 1h

CINOTECH



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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

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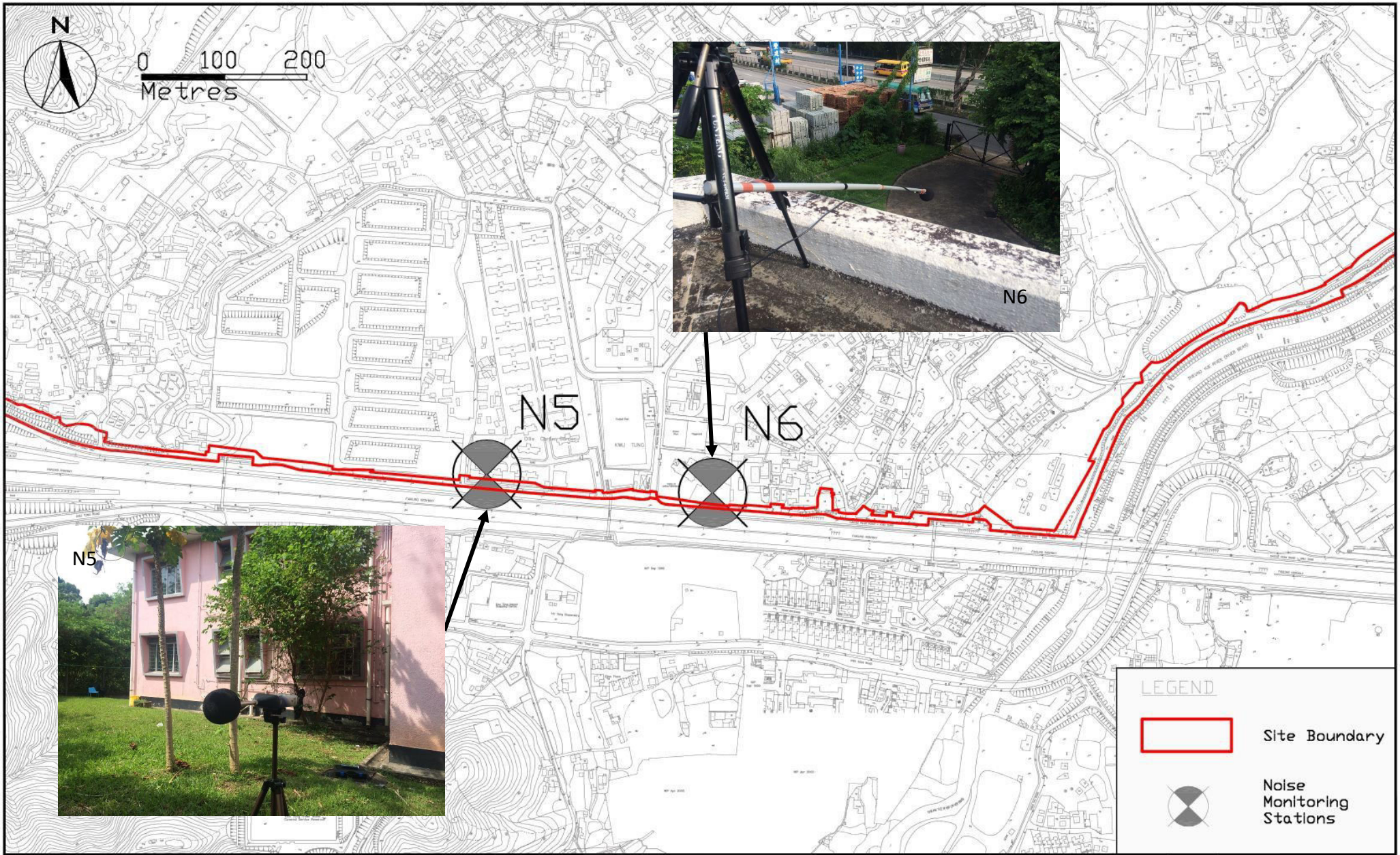
Locations of the Noise Monitoring Stations (N3, N7)

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



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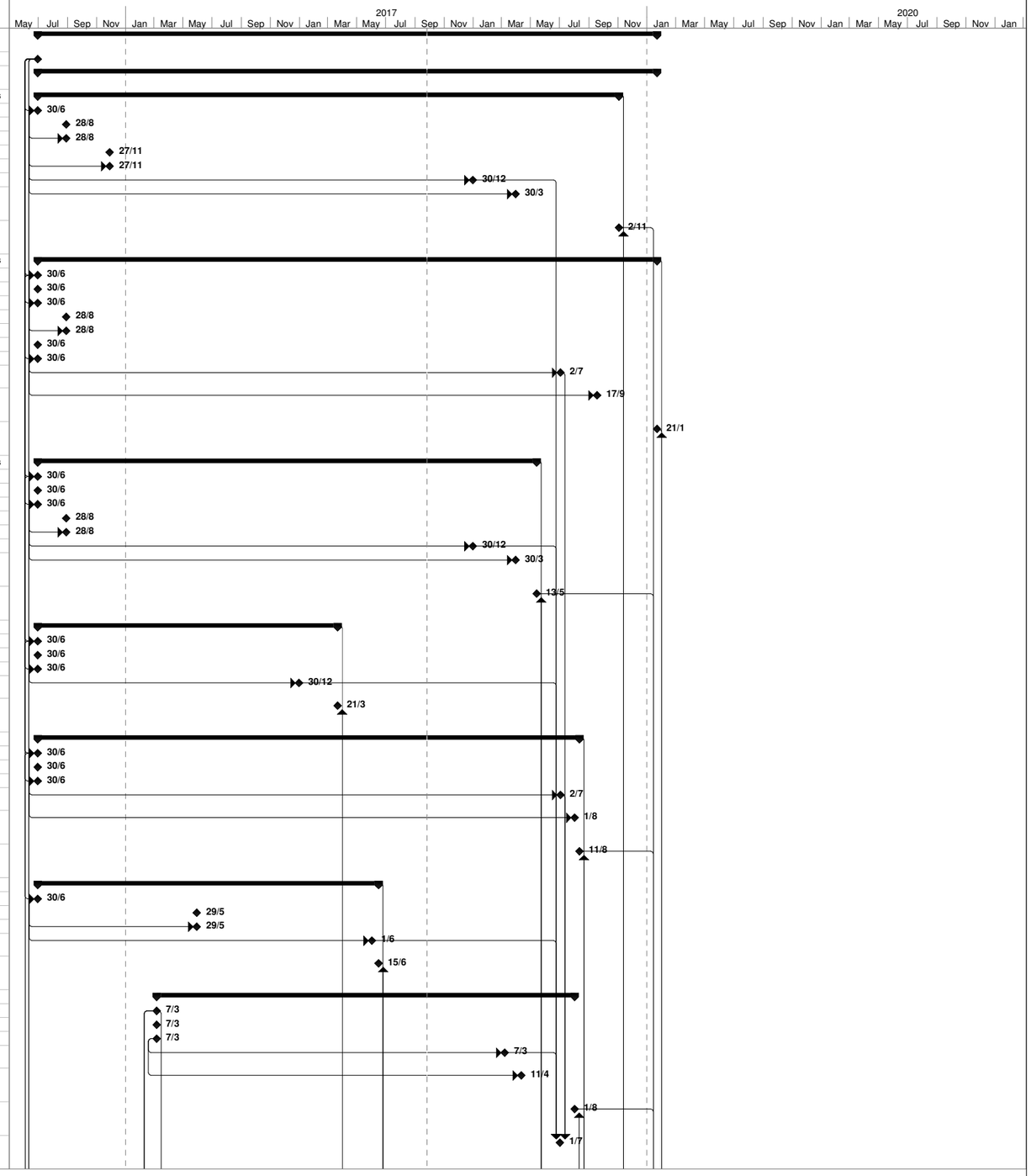
Agreement No. CE 67/2015(HY) - Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction

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

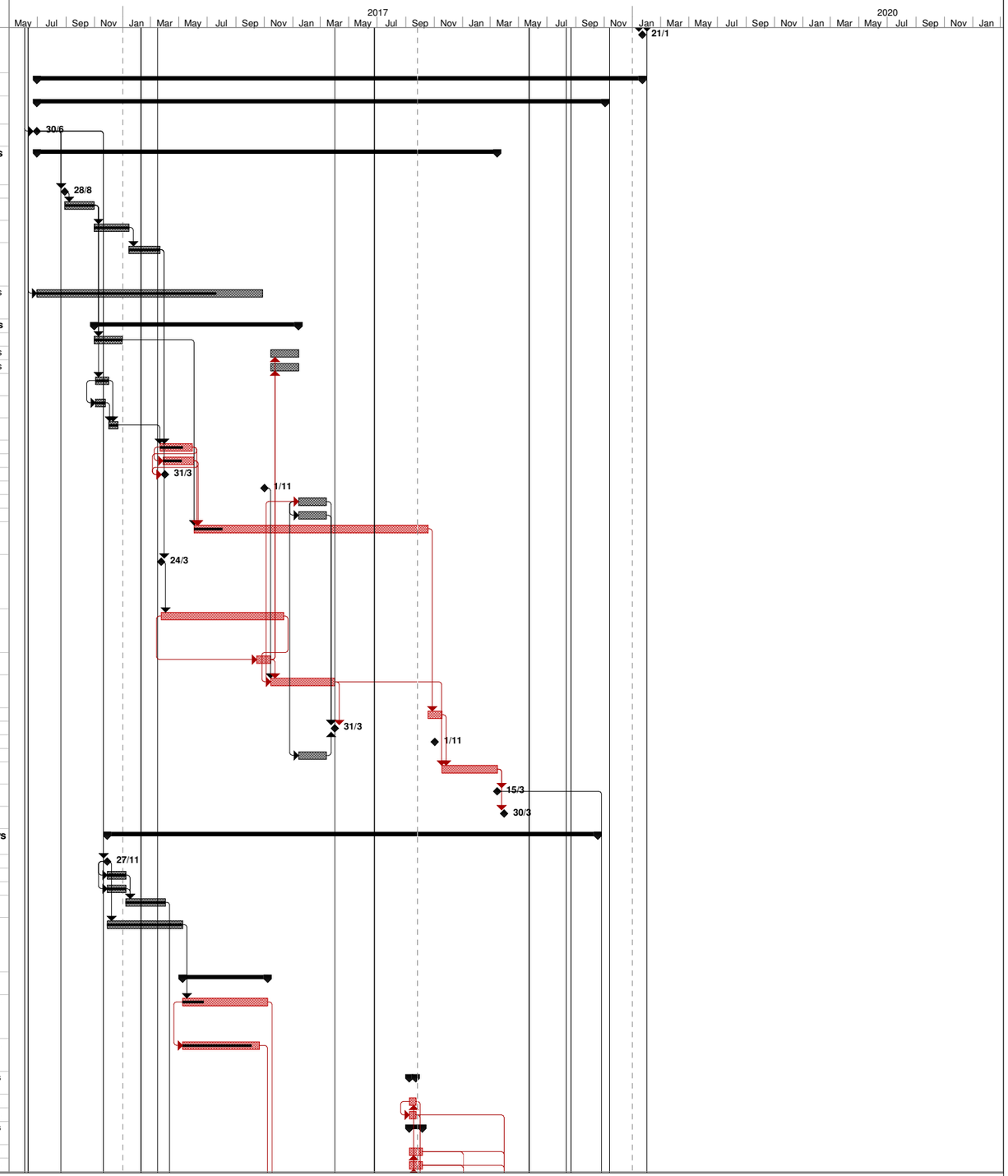
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
1	**100000**	**CONTRACT DURATION (ALL WORKS EXCEPT LANDSCAPING AND ESTABLISHMENT)**	**1301 days**	**0 day**	**Thu 30/6/16**	**Tue 21/1/20**	**-**	**-**		**0%**	**606 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**	**1301 days**	**0 day**	**Thu 30/6/16**	**Tue 21/1/20**	-	-		**0%**	**606 days**
4	**100030**	**SECTION W1 (PORTION A,B,C & D)**	**1221 days**	**0 day**	**Thu 30/6/16**	**Sat 2/11/19**	**-**	**-**		**0%**	**-307 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	Sun 30/12/18	Sun 30/12/18	NA	NA	5SS+914 days	0%	-1 day
11	100086	SECTION W1 LATEST REVISED COMPLETION DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	5SS+1004 days	0%	-90 days
12	100095	SECTION W1 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT (Including Implemented and NOT Implemented CE)	0 days	0 day	Sat 2/11/19	Sat 2/11/19	NA	NA	201	0%	-307 days
13	**100100**	**SECTION W2 (PORTION E, F, G, H, I & N)**	**1301 days**	**0 day**	**Thu 30/6/16**	**Tue 21/1/20**	**-**	**-**		**0%**	**-204 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	Tue 2/7/19	Tue 2/7/19	NA	NA	14SS+1098 days	0%	-1 day
22	100176	SECTION W2 LATEST REVISED COMPLETION DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	14SS+1175 days	0%	-78 days
23	100185	SECTION W2 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT (Including Implemented and NOT Implemented CE)	0 days	0 day	Tue 21/1/20	Tue 21/1/20	NA	NA	376	0%	-204 days
24	100190	**SECTION W3 (PORTION K, J1)**	**1048 days**	**0 day**	**Thu 30/6/16**	**Mon 13/5/19**	-	-		**0%**	**-134 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	Sun 30/12/18	Sun 30/12/18	NA	NA	25SS+914 days	0%	-1 day
31	100246	SECTION W3 LATEST REVISED COMPLETION DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	25SS+1004 days	0%	-90 days
32	100255	SECTION W3 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT (Including Implemented and NOT Implemented CE)	0 days	0 day	Mon 13/5/19	Mon 13/5/19	NA	NA	403	0%	-134 days
33	100260	**SECTION W4**	**630 days**	**0 day**	**Thu 30/6/16**	**Wed 21/3/18**	**-**	**-**		**0%**	**-80 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	Sat 30/12/17	Sat 30/12/17	NA	NA	34SS+549 days	0%	-1 day
38	100296	SECTION W4 LATEST REVISED COMPLETION DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Wed 21/3/18	Wed 21/3/18	NA	NA	455	0%	-80 days
39	**100310**	**SECTION W5**	**1138 days**	**0 day**	**Thu 30/6/16**	**Sun 11/8/19**	**-**	**-**		**0%**	**-41 days**
40	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
41	100330	**PORTION M**	**0 days**	**0 day**	**Thu 30/6/16**	**Thu 30/6/16**	**-**	**-**		**0%**	**0 days**
42	100335	ACCESS DATE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	40SS	0%	0 days
43	100340	SECTION W5 ORIGINAL COMPLETION DATE (1097 days)	0 days	0 day	Tue 2/7/19	Tue 2/7/19	NA	NA	40SS+1098 days	0%	-1 day
44	100341	SECTION W5 LATEST REVISED COMPLETION DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Thu 1/8/19	Thu 1/8/19	NA	NA	40SS+1128 days	0%	-31 days
45	100350	SECTION W5 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT (Including Implemented and NOT Implemented CE)	0 days	0 day	Sun 11/8/19	Sun 11/8/19	NA	NA	506	0%	-41 days
46	**100360**	**SECTION W6**	**716 days**	**0 day**	**Thu 30/6/16**	**Fri 15/6/18**	-	-		**0%**	**-15 days**
47	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
48	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**
49	100385	ACCESS DATE	0 days	0 day	Mon 29/5/17	Mon 29/5/17	Tue 25/7/17	Tue 25/7/17	47SS+334 days	0%	0 days
50	100390	SECTION W6 ORIGINAL COMPLETION DATE (701 days)	0 days	0 day	Fri 1/6/18	Fri 1/6/18	NA	NA	47SS+702 days	0%	-1 day
51	100395	SECTION W6 LATEST REVISED COMPLETION DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Fri 15/6/18	Fri 15/6/18	NA	NA	517	0%	-15 days
52	**100410**	**SECTION W7**	**878 days**	**0 day**	**Tue 7/3/17**	**Thu 1/8/19**	**-**	**-**		**0%**	**779 days**
53	***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***
54	**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%**	**-1 day**
55	100435	ACCESS DATE	0 days	0 day	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17		0%	-1 day
56	100440	SECTION W7 ORIGINAL COMPLETION DATE (730 days)	0 days	0 day	Thu 7/3/19	Thu 7/3/19	NA	NA	55SS+731 days	0%	-1 day
57	100441	SECTION W7 LATEST REVISED COMPLETION DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Thu 11/4/19	Thu 11/4/19	NA	NA	55SS+766 days	0%	891 days
58	100455	SECTION W7 ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT (Including Implemented and NOT Implemented CE)	0 days	0 day	Thu 1/8/19	Thu 1/8/19	NA	NA	547	0%	779 days
59	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,43,50,56FS+117 days	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
60	**100480**	**SECTION W1 TO W7 ANITICIPATED COMPLETION DATE WITH CE / NCE (Including Implemented and NOT Implemented CE)**	**0 days**	**0 day**	**Tue 21/1/20**	**Tue 21/1/20**	**NA**	**NA**	**12,23,32,45,58**	**0%**	**606 days**
61	**200000**	**PLANNED WORKS PROGRAMME**	**1301 days**	**0 day**	**Thu 30/6/16**	**Tue 21/1/20**	**-**	**-**		**-**	**606 days**
62	**210010**	**SECTION W1 (PORTION A,B,C & D)**	**1221 days**	**0 day**	**Thu 30/6/16**	**Sat 2/11/19**	**-**	**-**		**-**	**686 days**
63	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
64	**211000**	**PORTION A - POK WAI ROAD SOUTH (MP 1+000 - MP 2+130)**	**989 days**	**0 day**	**Thu 30/6/16**	**Fri 15/3/19**	**-**	**-**		**-**	**918 days**
65	211010	POSSESION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	63FS+60 days	100%	0 days
66	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	65	100%	0 days
67	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	66	100%	0 days
68	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	67	100%	0 days
69	211050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	485 days	10 days	Thu 30/6/16	Fri 27/10/17	NA	NA	63SS	100%	1422 days
70	**211060**	**UTILITIES DIVERSION WORKS**	**439 days**	**0 day**	**Mon 31/10/16**	**Fri 12/1/18**	**-**	**-**		**-**	**1345 days**
71	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	66	100%	0 days
72	211075	CLP (Between MP1+600 TO MP2+100)	60 days	2 days	Tue 14/11/17	Fri 12/1/18	NA	NA	86	100%	1345 days
73	211080	PCCW (Between MP1+600 TO MP2+100)	60 days	2 days	Tue 14/11/17	Fri 12/1/18	NA	NA	86	100%	1345 days
74	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	66FS+4 days	100%	0 days
75	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	74SS	100%	0 days
76	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	75,74	100%	0 days
77	211115	RETAINING WALL - RW 8A (60M)	70 days	5 days	Tue 21/3/17	Mon 29/5/17	Thu 22/12/16	Fri 2/6/17	76,68	100%	-59 days
78	211120	RETAINING WALL - RW 8B (40M)	66 days	5 days	Tue 28/3/17	Thu 1/6/17	Fri 27/1/17	Fri 31/3/17	77SS+7 days	100%	-62 days
79	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	78,77	100%	0 days
80	211130	START DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17		100%	0 days
81	211150	RETAINING WALL - RW7 (20M) - CSD	60 days	2 days	Sat 13/1/18	Tue 13/3/18	Sat 13/1/18	Tue 13/3/18	87SS+60 days	100%	18 days
82	211160	RETAINING WALL - RW7A (67M) - CSD	60 days	4 days	Sat 13/1/18	Tue 13/3/18	Sat 13/1/18	Tue 13/3/18	81SS	100%	18 days
83	211190	EARTHWORKS AND DRAINAGE WORKS, UTILITIES LAYING BETWEEN MP1+000 TO MP 1+600	502 days	5 days	Sat 3/6/17	Wed 17/10/18	Sat 3/6/17		77,78,71	95%	-75 days
84	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	68	100%	0 days
85	211210	PENDING THE SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV EW No.3) AND SKJV NCE No. 78 - ADDITIONAL BICYCLE PARAPET FOOTING IN PORTION A	263 days	0 day	Fri 24/3/17	Mon 11/12/17	Fri 24/3/17	11/12/2017	84	100%	0 days
86	211215	PREPARATION WORKS FOR WORKS UNDER CE TO RESOLVE CONFLICT (SKJV EW No.3) BY SKJV	30 days	0 day	Sun 15/10/17	Mon 13/11/17	Sun 15/10/17	Mon 13/11/17	85SS+205 days	100%	0 days
87	211220	CONSTRUCTION OF WORKS UNDER CE TO RESOLVE THE CONFLICT UNDER SKJV EW No.3 AND SKJV NCE No.78	138 days	3 days	Tue 14/11/17	Sat 31/3/18	Tue 14/11/17	Sat 31/3/18	86,80,85FS-28 days	100%	0 days
88	211235	STAIRCASE @ MP1+960	30 days	3 days	Thu 18/10/18	Fri 16/11/18	NA	NA	83	0%	-75 days
89	211225	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	82,87,81,91	100%	0 days
90	211230	START DATE OF DRY SEASON	0 days	0 day	Thu 1/11/18	Thu 1/11/18	NA	NA		0%	0 days
91	211250	RETAINING WALL - RW 7B (20M) - CSD	60 days	0 day	Sat 13/1/18	Tue 13/3/18	Sat 13/1/18	Tue 13/3/18	81SS	100%	18 days
92	211270	ROAD WORKS	119 days	7 days	Sat 17/11/18	Fri 15/3/19	NA	NA	87,88	0%	-75 days
93	211275	PORTION A - ANTICIPATED COMPLETION DATE	0 days	0	Fri 15/3/19	Fri 15/3/19	NA	NA	92	0%	-75 days
94	211280	W1 (PORTION A) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	92	0%	0 days
95	**212000**	**PORTION B (MP 2+130 - MP 2+950)**	**1054 days**		**Sun 27/11/16**	**Thu 17/10/19**	**-**	**-**		**-**	**-291 days**
96	212010	POSSESION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	63FS+151 days	100%	0 days
97	212020	INITIAL SURVEY	40 days	3 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	96SS	100%	0 days
98	212030	TREE SURVEY	40 days	3 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	96SS	100%	0 days
99	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	98,97	100%	0 days
100	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	96	100%	0 days
101	212100	**UTILITIES DIVERSION WORKS (FOR SUBWAY BAY PW5 TO PW8)**	**183 days**		**Tue 9/5/17**	**Tue 7/11/17**	**-**	**-**		**-**	**0 days**
102	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)	183 days	2 days	Tue 9/5/17	Tue 7/11/17	Tue 9/5/17	Tue 7/11/17	100	100%	-288 days
103	212140	WSD PIPE + Anticipated 95 Days Delay of Works Due to Delay in Diversion of WSD pipes (SKJV NCE No.40)	165 days	2 days	Tue 9/5/17	Fri 20/10/17	Tue 9/5/17	Fri 20/10/17	102SS	100%	-270 days
104	212200	**UTILITIES DIVERSION WORKS (FOR SUBWAY BAY PW9 TO PW11)**	**14 days**		**Sat 8/9/18**	**Fri 21/9/18**	**-**	**-**		**-**	**-288 days**
105	212210	CLP	14 days	1 day	Sat 8/9/18	Fri 21/9/18	NA	NA	112	0%	-288 days
106	212230	WSD	14 days	1 day	Sat 8/9/18	Fri 21/9/18	NA	NA	105SS	0%	-288 days
107	212240	**UTILITIES DIVERSION WORKS (FOR SUBWAY BAY 12 TO 16)**	**28 days**		**Sat 8/9/18**	**Fri 5/10/18**	**-**	**-**		**-**	**-112 days**
108	212260	HCL	28 days	1 day	Sat 8/9/18	Fri 5/10/18	NA	NA	112	0%	-112 days
109	212270	WSD	28 days	1 day	Sat 8/9/18	Fri 5/10/18	NA	NA	112	0%	-112 days



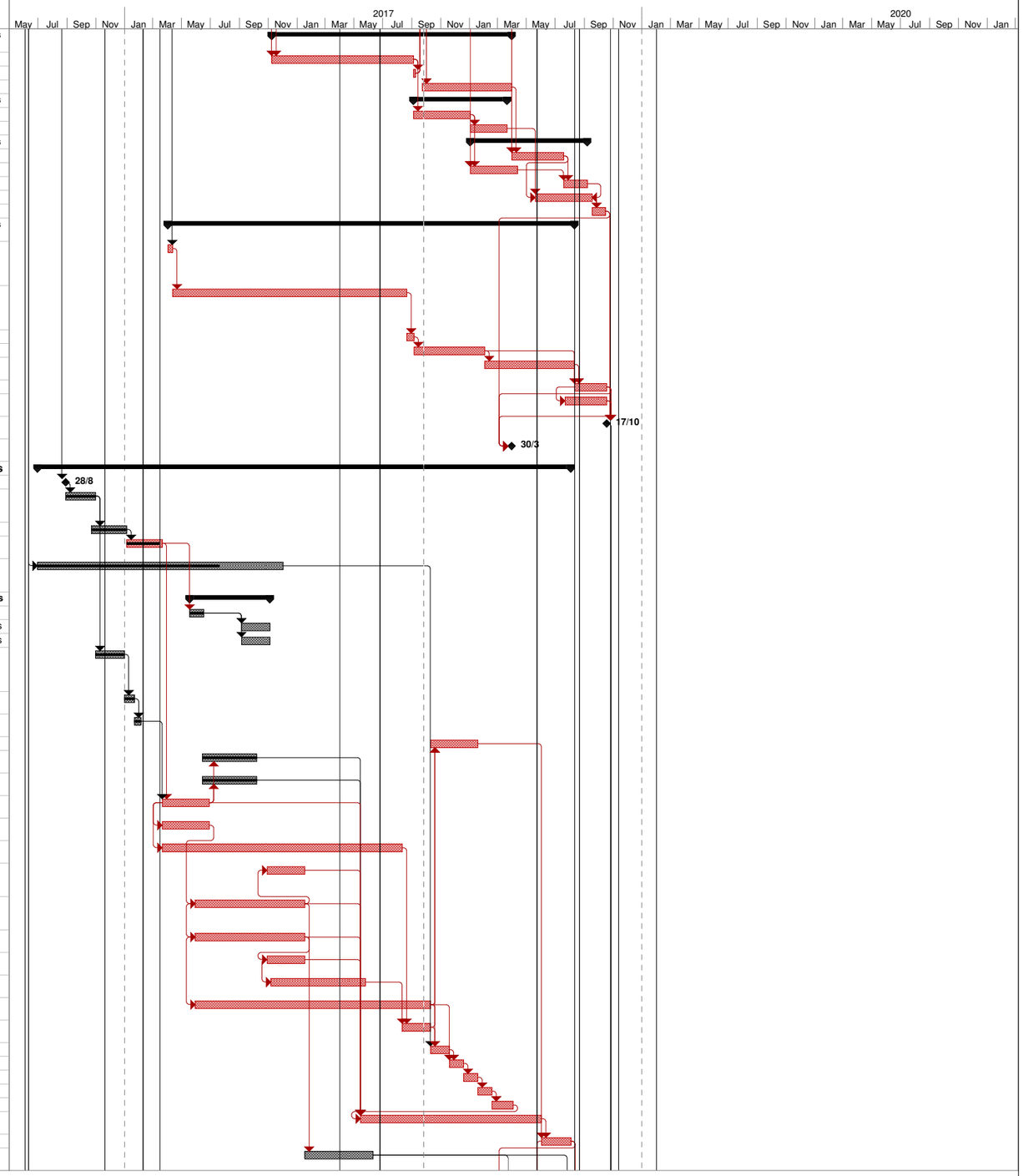
Task | Summary | External Milestone | Inactive Summary | Manual Summary Rollup | Finish-only | Progress
Split | Project Summary | Inactive Task | Manual Task | Manual Summary | Critical | Deadline
Milestone | External Tasks | Inactive Milestone | Duration-only | Start-only | Critical Split

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 AUG 2018

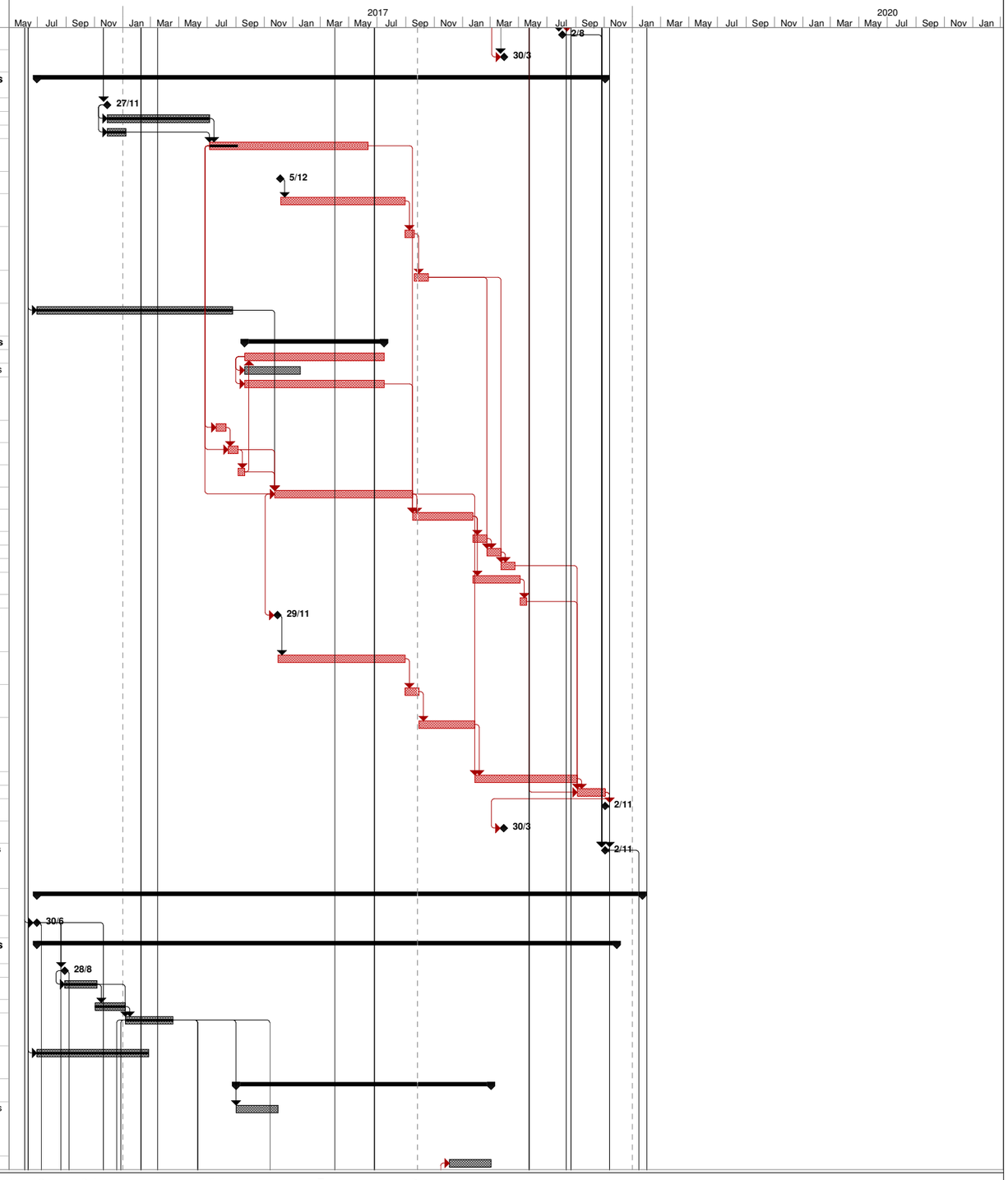
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
110	212280	**SUBWAY A BARRELS WITH PUMP ROOM CONSTRUCTION**	**508 days**		**Wed 8/11/17**	**Sat 30/3/19**	**-**	**-**		**-**	**-288 days**
111	212300	BAY PW5, 6, 7, 8	300 days	5 days	Wed 8/11/17	Mon 3/9/18	Wed 8/11/17	NA	102,103	50%	-288 days
112	212310	TTA FOR BAY PW9, 10, &11	4 days	3 days	Tue 4/9/18	Fri 7/9/18	NA	NA	111	0%	-288 days
113	212320	BAY PW9 & 10 WITH PUMP HOUSE, PW11	190 days	5 days	Sat 22/9/18	Sat 30/3/19	NA	NA	105,106	0%	-288 days
114	212330	**SOUTHERN RAMP CONSTRUCTION**	**198 days**		**Tue 4/9/18**	**Wed 20/3/19**	**-**	**-**		**-**	**-228 days**
115	212340	BAY PW1 TO 4	120 days	2 days	Tue 4/9/18	Tue 1/1/19	NA	NA	111	0%	-228 days
116	212342	INSTALLATION OF ROOF	78 days	2 days	Wed 2/1/19	Wed 20/3/19	NA	NA	115	0%	-228 days
117	212380	**NORTHERN RAMP CONSTRUCTION**	**248 days**		**Wed 2/1/19**	**Fri 6/9/19**	-	-		**-**	**-278 days**
118	212390	BAY PW12 TO 13	110 days	2 days	Sun 31/3/19	Thu 18/7/19	NA	NA	113,106,108,109	0%	-288 days
119	212395	BAY PW14 TO 16	100 days	2 days	Wed 2/1/19	Thu 11/4/19	NA	NA	115,108,109	0%	-180 days
120	212392	INSTALLATION OF ROOF	50 days	2 days	Fri 19/7/19	Fri 6/9/19	NA	NA	119,118	0%	-278 days
121	212415	FNISHING WORKS AND E&M WORKS	120 days	5 days	Mon 20/5/19	Mon 16/9/19	NA	NA	118FS-60 days,116,120FF	0%	-288 days
122	212417	ROAD WORKS INSIDE SUBWAY	28 days	2 days	Tue 17/9/19	Mon 14/10/19	NA	NA	121	0%	-288 days
123	**212420**	**EARTHWORKS AND DRAINAGE WORKS FROM CH 2+350 TO 2+650**	**861 days**		**Sun 2/4/17**	**Sat 10/8/19**	**-**	**-**		**-**	**-291 days**
124	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	99	100%	-291 days
125	212430	PENDING SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV NCE No.45) & SKJV Letter Ref.: SO/2436 & Dated 20/8/2018 - Confirmation of Additional Bicycle Parapet Footing in Portion B	496 days	0 day	Wed 12/4/17	Mon 20/8/18	Wed 12/4/17	Mon 20/8/18	124	100%	-291 days
126	212435	SKJV NCE No. 45 - Preparation Works	15 days	0 day	Tue 21/8/18	Tue 4/9/18	Tue 21/8/18	NA	125	30%	-291 days
127	212440	SKJV NCE No.45 - Assumed Site Works	150 days	0 day	Wed 5/9/18	Fri 1/2/19	NA	NA	126	0%	-291 days
128	212450	EARTHWORKS AND DRAINAGE WORKS FROM CH 2+650 TO 2+930	190 days	0 day	Sat 2/2/19	Sat 10/8/19	Sat 2/12/17		127	90%	-291 days
129	212455	ROAD WORKS	68 days	7 days	Sun 11/8/19	Thu 17/10/19	NA	NA	127,128	0%	-291 days
130	212460	RESTING STATION R6	88 days	7 days	Mon 22/7/19	Thu 17/10/19	NA	NA	129SS-20 days	0%	-291 days
131	212465	PORTION B - ANTICIPATED COMPLETION DATE	0 days	0 day	Thu 17/10/19	Thu 17/10/19	NA	NA	129,122,130	0%	-291 days
132	212470	W2 (PORTION B) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	129,130,122	0%	0 days
133	**213000**	**PORTION C (MP 2+950 - MP 4+010)**	**1129 days**		**Thu 30/6/16**	**Fri 2/8/19**	**-**	**-**		**-**	**778 days**
134	213010	POSSESION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	63FS+60 days	100%	0 days
135	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	134	100%	0 days
136	213030	TREE SURVEY	75 days	7 days	Sat 22/10/16	Wed 4/1/17	Sat 22/10/16	Wed 4/1/17	135	100%	0 days
137	213040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	75 days	5 days	Thu 5/1/17	Mon 20/3/17	Thu 5/1/17	Mon 13/3/17	136	100%	-215 days
138	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	Fri 1/12/17	63SS	100%	97 days
139	213060	**UTILITIES DIVERSION WORKS**	**170 days**	**0 day**	**Thu 18/5/17**	**Fri 3/11/17**	**-**	**-**		**-**	**1415 days**
140	213070	CLP	30 days	3 days	Thu 18/5/17	Fri 16/6/17	Thu 18/5/17	Fri 16/6/17	137FS+65 days	100%	0 days
141	213080	PCCW	60 days	3 days	Tue 5/9/17	Fri 3/11/17	NA	NA	140FS+80 days	100%	1415 days
142	213085	WSD	60 days	3 days	Tue 5/9/17	Fri 3/11/17	NA	NA	140FS+80 days	100%	1415 days
143	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	135	100%	0 days
144	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	143	100%	0 days
145	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	144	100%	0 days
146	213120	RETAINING WALL - RW 11A (50M) - CSD	100 days	5 days	Wed 10/10/18	Thu 17/1/19	Wed 4/7/18	NA	157,158	20%	-80 days
147	213130	RETAINING WALL - RW 11B : BAY1 - BAY 6 (60M)	115 days	5 days	Wed 14/6/17	Fri 6/10/17	Tue 30/5/17	Fri 6/10/17	149	100%	0 days
148	213140	RETAINING WALL - RW 11B : BAY 7 - BAY 12 (60M)	115 days	5 days	Wed 14/6/17	Fri 6/10/17	Tue 30/5/17	Fri 6/10/17	149FS-30 days	100%	0 days
149	213150	RETAINING WALL - RW 11C : BAY 1 - BAY 7 (70M)	100 days	7 days	Tue 21/3/17	Wed 28/6/17	Tue 21/3/17	Wed 28/6/17	145,137	100%	-215 days
150	213160	RETAINING WALL - RW 11C : BAY 8 - BAY 14 (70M)	100 days	5 days	Tue 21/3/17	Wed 28/6/17	Tue 21/3/17	Wed 28/6/17	149SS	100%	-215 days
151	213170	RETAINING WALL - RW 11C : BAY 15 - BAY 26 (+ SKJV NCE)	508 days	7 days	Tue 21/3/17	Fri 10/8/18	Tue 21/3/17		149SS	100%	-215 days
152	213175	RETAINING WALL - RW 12 : BAY 0 (+ Delay due to SKJV NCE No.99 - Additonal of Bay 0, 17 & 18 for RW12)	80 days	2 days	Sun 29/10/17	Tue 16/1/18	Sun 29/10/17	Tue 16/1/18	153FS-80 days	100%	-97 days
153	213180	RETAINING WALL - RW 12 : BAY 1 - BAY 8 (80M) (+ DELAY DUE TO OF WORKS DUE TO CONFLICT OF CLP's POLE	232 days	7 days	Tue 30/5/17	Tue 16/1/18	Tue 30/5/17	Tue 16/1/18	150FS-30 days	100%	-215 days
154	213190	RETAINING WALL - RW 12 : BAY 9 - BAY 16 (80M)	232 days	7 days	Tue 30/5/17	Tue 16/1/18	Tue 30/5/17	Tue 16/1/18	153SS	100%	-215 days
155	213195	RETAINING WALL - RW 12 : BAY 17 to 18 (+SKJV NCE)	80 days	2 days	Sun 29/10/17	Tue 16/1/18	Sun 29/10/17	Tue 16/1/18	154FS-80 days	100%	-137 days
156	213200	RETAINING WALL - RW 13 (40M) (+ SKJV NCE)	200 days	5 days	Mon 6/11/17	Thu 24/5/18	Mon 6/11/17	Thu 24/5/18	155SS+8 days	100%	-137 days
157	213210	RETAINING WALL - RW 14, STAIRCASE S4 (55M)	498 days	5 days	Tue 30/5/17	Tue 9/10/18	Tue 30/5/17	NA	154SS	70%	-215 days
158	213220	RETAINING WALL - RW 15A (7.5M) (+ SKJV NCE No)	60 days	2 days	Sat 11/8/18	Tue 9/10/18	NA	NA	156,151	50%	-215 days
159	213230	RAMP NEAR YAU POK ROAD	40 days	2 days	Wed 10/10/18	Sun 18/11/18	NA	NA	158,138,157	0%	-215 days
160	213240	STAIRCASE S1	30 days	0 day	Mon 19/11/18	Tue 18/12/18	NA	NA	159,157	0%	-215 days
161	213250	STAIRCASE S2	30 days	0 day	Wed 19/12/18	Thu 17/1/19	NA	NA	160	0%	-215 days
162	213260	STAIRCASE S3	30 days	0 day	Fri 18/1/19	Sat 16/2/19	NA	NA	161	0%	-215 days
163	213270	RAMP AND STAIRCASE - CSR1	45 days	0 day	Sun 17/2/19	Tue 2/4/19	NA	NA	162	0%	-215 days
164	213280	EARTHWORKS AND DRAINAGE WORKS FROM CH2+971 TO 4+010 (+ SKJV NCE)	383 days	10 days	Tue 15/5/18	Sat 1/6/19	Wed 17/1/18	NA	147,148,149,152,153,154,155,163FS-days	60%	-215 days
165	213290	ROAD WORKS	62 days	5 days	Sun 2/6/19	Fri 2/8/19	NA	NA	164,146	0%	-215 days
166	213300	RESTING STATION R7	144 days	10 days	Wed 17/1/18	Sat 9/6/18	NA	NA	153	50%	204 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

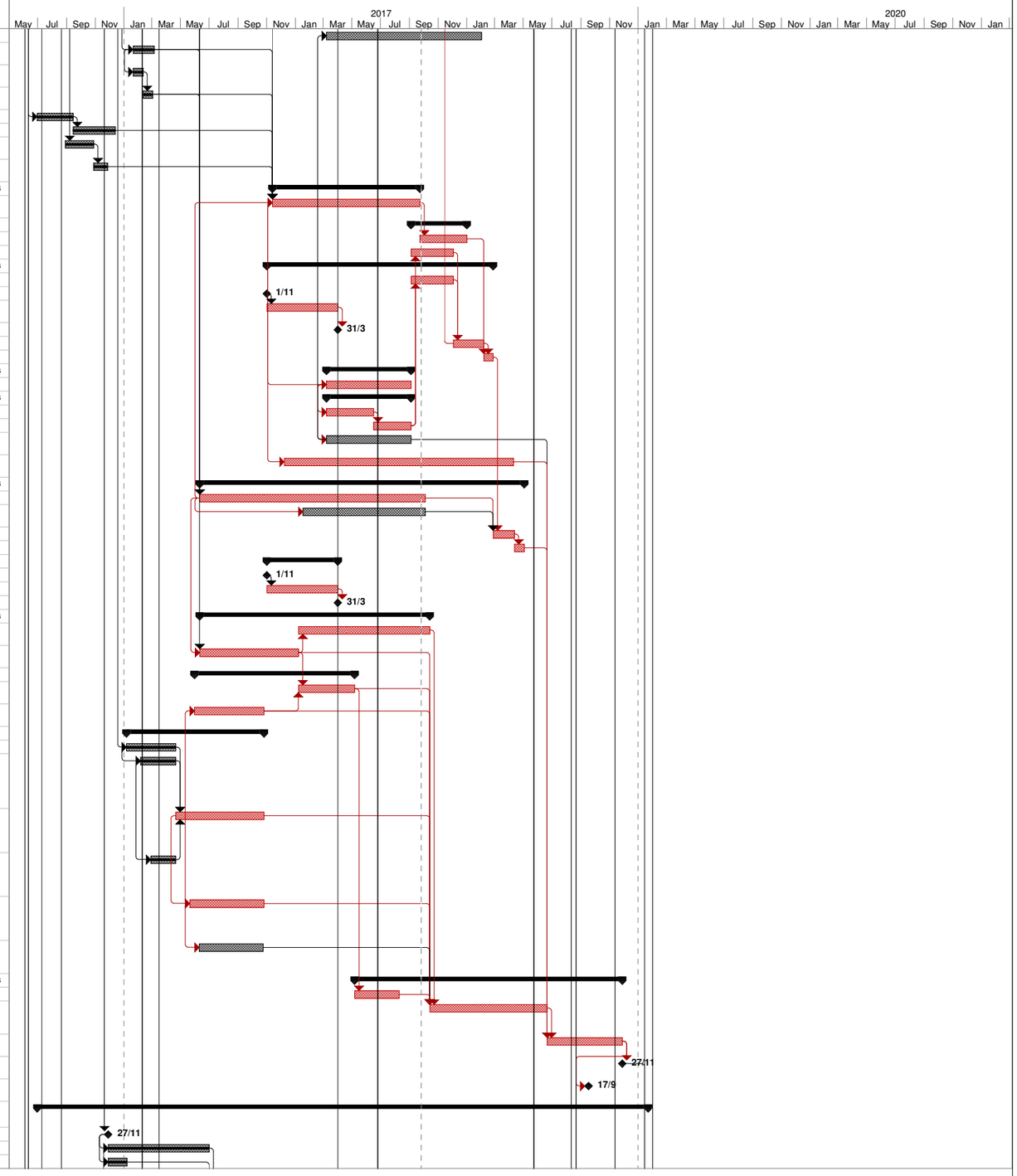
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
167	213310	PORTION C - ANTICIPATED COMPLETION DATE	0 days	0 day	Fri 2/8/19	Fri 2/8/19	NA	NA	165,166	0%	-215 days
168	213320	W1 (PORTION C) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	165,166	0%	0 days
169	**214000**	**PORTION D (MP 4+010 - MP 5+280)**	**1221 days**		**Thu 30/6/16**	**Sat 2/11/19**	**-**	**-**		**-**	**686 days**
170	214010	POSSESION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	63FS+151 days	100%	0 days
171	214020	INITIAL SURVEY	220 days	3 days	Mon 28/11/16	Wed 5/7/17	Mon 28/11/16	Wed 5/7/17	170SS	100%	0 days
172	214030	TREE SURVEY	40 days	3 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	170SS	100%	0 days
173	214040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE EXCLUDING CH-MP5+050 TO 5+290 (+ DELAY DUE TO INCLEMENT WEATHER)	340 days	5 days	Thu 6/7/17	Sun 10/6/18	Thu 6/7/17	NA	172,171	70%	-102 days
174	214041	TREE FELLING WORKS FROM CH-MP5+050 TO 5+290 WAS SUSPENDED, SKJV EW No.12	1 day	0 day	Tue 5/12/17	Tue 5/12/17	Tue 5/12/17	Tue 5/12/17			-47 days
175	214042	PENDING THE SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV EW No.12), Up to this Prog Date	267 days	0 day	Wed 6/12/17	Wed 29/8/18	Wed 6/12/17	NA	174		-47 days
176	214043	PREPARATION WORKS FOR TREE FELLING WORKS UNDER CE TO RESOLVE CONFLICT (SKJV EW No.12) BY SKJV (ASSUMED 20 days)	20 days	0 day	Thu 30/8/18	Tue 18/9/18	NA	NA	175		-47 days
177	214044	TREE FELLING WORKS FROM CH-MP5+050 TO 5+290 (SKJV EW No. 12)	30 days	0 day	Wed 19/9/18	Thu 18/10/18	NA	NA	176		-47 days
178	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	63SS	100%	0 days
179	214060	**UTILITIES DIVERSION WORKS**	**300 days**	**0 day**	**Tue 19/9/17**	**Sun 15/7/18**	**-**	**-**		**-**	**1161 days**
180	214070	CLP	300 days	3 days	Tue 19/9/17	Sun 15/7/18	Tue 19/9/17	NA	185	50%	-97 days
181	214080	PCCW	120 days	3 days	Tue 19/9/17	Tue 16/1/18	Tue 19/9/17	Tue 16/1/18	180SS	100%	1341 days
182	214085	WSD (+DELAY DUE TO SKJV NCE No.63 Additional Relocation of Existing WSD Utilities in Conflict with Proposed Works, up to this Prog Date)	300 days	3 days	Tue 19/9/17	Sun 15/7/18	Tue 19/9/17	NA	180SS	25%	-97 days
183	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	173SS+14 days	100%	-231 days
184	214100	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Tue 15/8/17	Mon 4/9/17	Tue 15/8/17	Mon 4/9/17	173SS+40 days,183	100%	-236 days
185	214110	INSTALLATION OF MONITORING MARKERS	14 days	2 days	Tue 5/9/17	Mon 18/9/17	Tue 5/9/17	Mon 18/9/17	184	100%	-236 days
186	214120	RETAINING WALL - RW 15B (70M) (+ DELAY DUE TO SKJV NCE)	296 days	7 days	Thu 23/11/17	Fri 14/9/18	Thu 23/11/17	NA	173SS+140 days,184,185,178	60%	-301 days
187	214130	RETAINING WALL - RW 15C (45M) & STAIRCASE S6	130 days	7 days	Sat 15/9/18	Tue 22/1/19	NA	NA	186,182FS-40 days,173	0%	-198 days
188	214140	STREAM DECKING D1	30 days	3 days	Wed 23/1/19	Thu 21/2/19	NA	NA	187	0%	-173 days
189	214150	STREAM DECKING D2	30 days	3 days	Fri 22/2/19	Sat 23/3/19	NA	NA	188,177	0%	-173 days
190	214160	STREAM DECKING D3	30 days	3 days	Sun 24/3/19	Mon 22/4/19	NA	NA	189,177	0%	-173 days
191	214170	PEDSTRIAN RAMP CONSTRUCTION & PROVIDE SAFETY ACCESS TO RESIDENT	101 days	7 days	Wed 23/1/19	Fri 3/5/19	NA	NA	187	0%	-198 days
192	214190	DEMOLITION OF EXISTING STRUCTURE	14 days	2 days	Sat 4/5/19	Fri 17/5/19	NA	NA	191	0%	-198 days
193	214200	RW16A (80M) (THE WORKS SUSPENDED, SKJV EW No.10 - Conflict of Proposed Cycle Track and Actual Site Condition CH-MP-4+660 TO 5+010)	1 day	0 day	Wed 29/11/17	Wed 29/11/17	Wed 29/11/17	Wed 29/11/17	186SS	0%	-307 days
194	214201	PENDING THE SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV EW No.10), Up to this Prog Date	273 days	0 day	Thu 30/11/17	Wed 29/8/18	Thu 30/11/17	NA	193	0%	-307 days
195	214202	PREPARATION WORKS FOR WORKS UNDER CE TO RESOLVE CONFLICT (SKJV EW No.10) BY SKJV (ASSUMED 30 days)	30 days	0 day	Thu 30/8/18	Fri 28/9/18	NA	NA	194	0%	-307 days
196	214203	CONSTRUCTION WORKS UNDER CE TO RESOLVE CONFLICT OF SKJV EW No.10, DUARTION WAS ASSUMED TO THE SAME AS THE DURATION AS CONFORMING DESIGN OF 120 days	120 days	0 day	Sat 29/9/18	Sat 26/1/19	NA	NA	195	0%	-307 days
197	214210	EARTHWORKS AND DRAINAGE WORKS	220 days	8 days	Sun 27/1/19	Tue 3/9/19	NA	NA	196,186	0%	-307 days
198	214220	ROAD WORKS	60 days	6 days	Wed 4/9/19	Sat 2/11/19	NA	NA	165SS,197,192,190	0%	-307 days
199		PORTION D - ANTICIPATED COMPLETION DATE	0 days	0 day	Sat 2/11/19	Sat 2/11/19	NA	NA	198		-307 days
200	214225	W1 (PORTION D) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	198	0%	0 days
201	**210030**	**SECTION W1 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHER ISSUES**	**0 days**	**0 day**	**Sat 2/11/19**	**Sat 2/11/19**	**NA**	**NA**	**93,131,167,199**	**-**	**-307 days**
202		**SECTION W2 (PORTION E, F, G, H, I & N)**	**1301 days**	**days**	**Thu 30/6/16**	**Tue 21/1/20**	**-**	**-**		**-**	**606 days**
203	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
204	**221000**	**PORTION E (MP 5+280 - MP 6+530)**	**1246 days**	**days**	**Thu 30/6/16**	**Wed 27/11/19**	**-**	**-**		**-**	**661 days**
205	221010	POSSESION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	203FS+60 days	100%	0 days
206	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	205SS	100%	0 days
207	221030	TREE SURVEY	65 days	5 days	Wed 2/11/16	Thu 5/1/17	Wed 2/11/16	Thu 5/1/17	206	100%	0 days
208	221040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE (+ DELAY DUE TO INCLEMENT WEATHER)	102 days	5 days	Fri 6/1/17	Mon 17/4/17	Fri 6/1/17	Mon 17/4/17	206,207	100%	0 days
209	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	203SS	100%	0 days
210	**221060**	**UTILITIES DIVERSION WORKS (GAS MAIN, CLP, WSD)**	**548 days**	**0 day**	**Fri 1/9/17**	**Sat 2/3/19**	**-**	**-**		**-**	**931 days**
211	221070	GAS MAIN (Culvet D4), Liaision for Gas Main Diversion will be conducted once the realignment of Cycle Track at Culvert D4 is fixed (NO DIVERSION IS REQUIRED)	90 days	5 days	Fri 1/9/17	Wed 29/11/17	NA	NA	208FS+136 days	100%	1389 days
212	221080	CLP (NOT REQUIRED)	90 days	5 days	Mon 3/12/18	Sat 2/3/19	NA	NA	231SS	100%	931 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

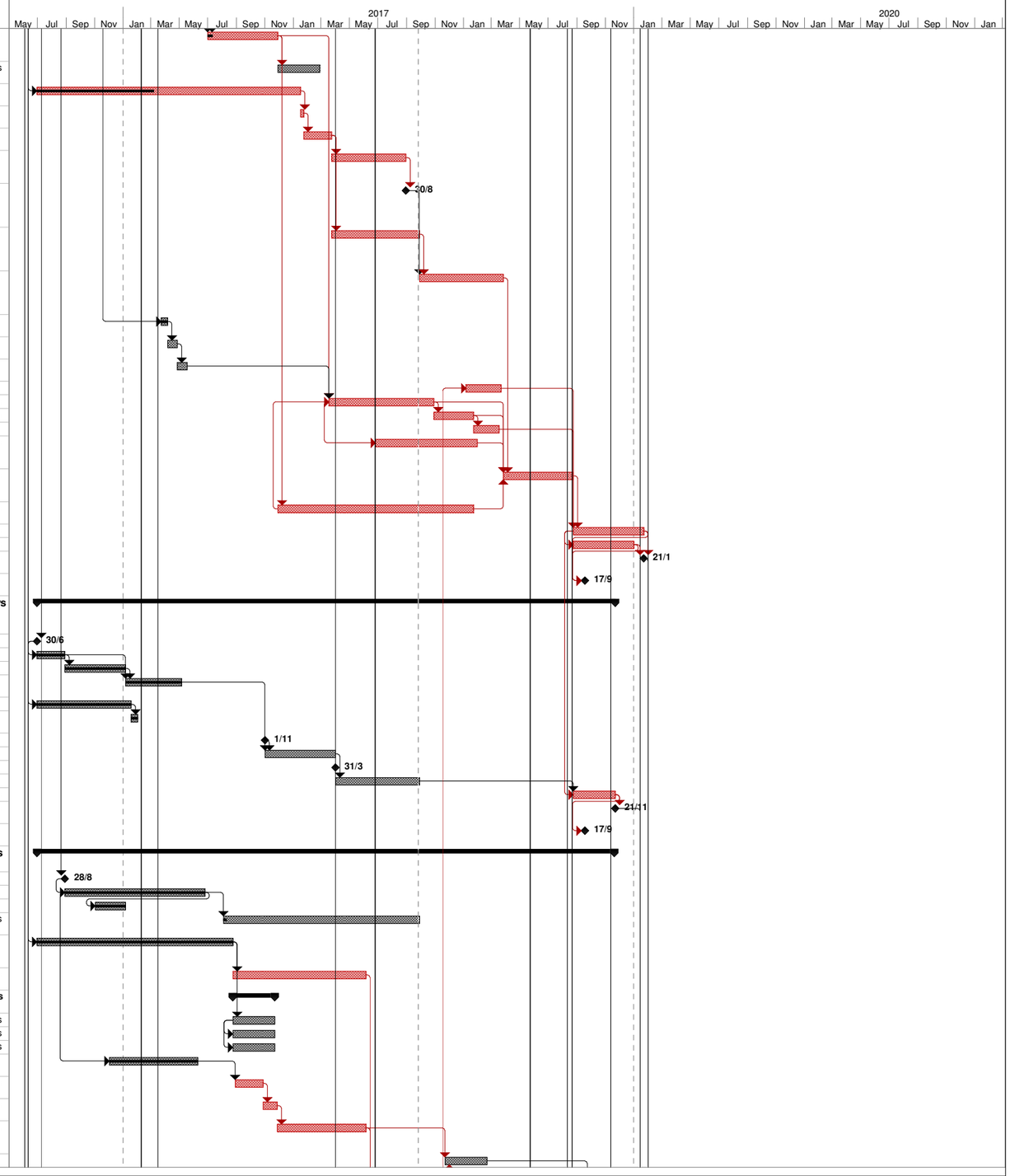
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
213	221081	WSD	330 days	5 days	Thu 8/3/18	Thu 31/1/19	NA	NA	238SS	75%	961 days
214	221090	GROUND INVESTIGATION WORKS (9 NOS. BOREHOLE & TRIAL PITS)	45 days	4 days	Fri 20/1/17	Sun 5/3/17	Fri 20/1/17	Sun 5/3/17	208SS+14 days	100%	0 days
215	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	214SS	100%	0 days
216	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	215	100%	0 days
217	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
218	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	217	100%	0 days
219	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	205	100%	0 days
220	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	219	100%	0 days
221	**221160**	**MP 5+465 - MP 5+515**	**314 days**		**Mon 13/11/17**	**Sat 22/9/18**	-	-		-	**-100 days**
222	221170	RETAINING WALL - RW D02 & D04 (80M) + SKJV NCE	314 days	2 days	Mon 13/11/17	Sat 22/9/18	Wed 20/9/17	NA	208,218,220,214,216,241SS+155 days	15%	-100 days
223	**221180**	**MP 5+515 - MP 5+595**	**119 days**		**Tue 4/9/18**	**Mon 31/12/18**	-	-		-	**-64 days**
224	221190	RETAINING WALL - RW D05 & D06 (50M)	100 days	2 days	Sun 23/9/18	Mon 31/12/18	NA	NA	222	0%	-64 days
225	221200	RETAINING WALL - RW D07 (70M) - CSD	90 days	3 days	Tue 4/9/18	Sun 2/12/18	NA	NA	237	0%	-100 days
226	**221210**	**MP 5+280 - MP 6+020**	**482 days**		**Wed 1/11/17**	**Mon 25/2/19**	-	-		-	**-100 days**
227	221220	RETAINING WALL - RW D03 (11M)	90 days	3 days	Tue 4/9/18	Sun 2/12/18	NA	NA	237	0%	-100 days
228	221225	START DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17		100%	0 days
229	221230	BOX CULVERT D4 + CE-048 REVISED BOX CULVERT D4	151 days	4 days	Wed 1/11/17	Sat 31/3/18	Wed 1/11/17	Thu 29/3/18	228	100%	0 days
230	221235	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	229	100%	0 days
231	221250	ROAD WORKS FOR REALIGNMENT	65 days	3 days	Mon 3/12/18	Tue 5/2/19	NA	NA	227,225	0%	-100 days
232	221260	REALIGNMENT SAN TAM ROAD	20 days	2 days	Wed 6/2/19	Mon 25/2/19	NA	NA	231,224	0%	-100 days
233	**221270**	**MP 5+900 - MP 6+020**	**180 days**		**Thu 8/3/18**	**Mon 3/9/18**	-	-		-	**-100 days**
234	221280	RETAINING WALL - RW D15 (113M) - CSD	180 days	10 days	Thu 8/3/18	Mon 3/9/18	Sat 13/1/18	NA	222SS+115 days	80%	-100 days
235	**221290**	**MP 5+ 595 - MP 5+900**	**180 days**		**Thu 8/3/18**	**Mon 3/9/18**	-	-		-	**-100 days**
236	221300	RETAINING WALL - RW D10 (50M) - CSD	100 days	7 days	Thu 8/3/18	Fri 15/6/18	Sat 13/1/18	NA	234SS	80%	-100 days
237	221310	RETAINING WALL - RW D08 (66M) - CSD	80 days	8 days	Sat 16/6/18	Mon 3/9/18	NA	NA	236	80%	-100 days
238	221320	DRAINAGE WORKS, EARTHWORKS FOR RWD15, D10 & D8	180 days	8 days	Thu 8/3/18	Mon 3/9/18	Sat 13/1/18	NA	234SS	90%	141 days
239	221325	DRAINAGE WORKS, EARTHWORKS FROM MP5+280 TO 6+020 (Excluding RWD15, 10 & D8)	488 days	3 days	Fri 8/12/17	Tue 9/4/19	Sun 15/10/17	NA	222SS+25 days	40%	-77 days
240	**221330**	**MP 6+420 - MP 6+530**	**691 days**		**Sun 11/6/17**	**Thu 2/5/19**	-	-		-	**-100 days**
241	221340	RETAINING WALL - RW D25	480 days	3 days	Sun 11/6/17	Wed 3/10/18	Sun 11/6/17	NA	214,216FS+100 days,208	85%	-149 days
242	221342	RETAINING WALL - RW D26 (+ SKJV NCE)	260 days	2 days	Wed 17/1/18	Wed 3/10/18	Sat 27/1/18	NA	241SS+220 days	100%	45 days
243	221344	ROAD WORKS FOR REALIGNMENT	45 days	2 days	Tue 26/2/19	Thu 11/4/19	NA	NA	242,232,241	0%	-100 days
244	221346	REALIGNMENT SHEK WU WAI ROAD	21 days	2 days	Fri 12/4/19	Thu 2/5/19	NA	NA	243	0%	-100 days
245	**221350**	**MP 6+020 - MP 6+530**	**151 days**		**Wed 1/11/17**	**Sat 31/3/18**	-	-		-	**0 days**
246	221355	START DATE OF DRY SEASON	0 days		Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17		100%	0 days
247	221360	BOX CULVERT D7	151 days	3 days	Wed 1/11/17	Sat 31/3/18	Wed 1/11/17	Sat 31/3/18	246	100%	0 days
248	221365	END DATE OF DRY SEASON	0 days		Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	247	100%	0 days
249	**221400**	**MP 6+020 - MP 6+160**	**490 days**		**Sun 11/6/17**	**Sat 13/10/18**	-	-		-	**-149 days**
250	221410	RETAINING WALL - RW D18 (98M) (+ SKJV NCE)	280 days	10 days	Sun 7/1/18	Sat 13/10/18	Sun 7/1/18	NA	251	70%	-149 days
251	221420	RETAINING WALL - RW D17 (65M) (+ SKJV NCE)	210 days	10 days	Sun 11/6/17	Sat 6/1/18	Sun 11/6/17	Sat 6/1/18	241SS,208	100%	-149 days
252	**221430**	**MP 6+160 - MP 6+230**	**341 days**		**Wed 31/5/17**	**Sun 6/5/18**	-	-		-	**-84 days**
253	221440	RETAINING WALL - RW D19A, B (53M) (+ SKJV NCE)	120 days	7 days	Sun 7/1/18	Sun 6/5/18	Sun 7/1/18	NA	254,251	90%	-84 days
254	221450	RETAINING WALL - RW D20 (U) (22M) (+ SKJV NCE)	148 days	5 days	Wed 31/5/17	Wed 25/10/17	Wed 31/5/17	Wed 25/10/17	260SS+10 days	90%	-11 days
255	**221460**	**MP 6+230 - MP 6+330**	**293 days**		**Fri 6/1/17**	**Wed 25/10/17**	-	-		-	**204 days**
256	221470	RECTANGULAR CHANNEL	105 days	5 days	Fri 6/1/17	Thu 20/4/17	Fri 6/1/17	Thu 20/4/17	208SS	100%	0 days
257	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 & 33)	75 days	4 days	Sun 5/2/17	Thu 20/4/17	Sun 5/2/17	Thu 20/4/17	256SS+30 days	100%	0 days
258	221490	RETAINING WALL - RW D21(U) (26M) + 48 days DELAY (INCLEMENT WEATHER FROM MAY TO JUL 2017) + SKJV NCE No.72 & 101	188 days	4 days	Fri 21/4/17	Wed 25/10/17	Fri 21/4/17	Wed 25/10/17	259,257,256	100%	-11 days
259	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	257SS+22 days	100%	0 days
260	221510	RETAINING WALL - RW D22 (U) (26M) + 46 days DELAY (INCLEMENT WEATHER FROM MAY TO AUG 2017) + SKJV NCE No.72 & 101	158 days	4 days	Sun 21/5/17	Wed 25/10/17	Sun 21/5/17	Wed 25/10/17	258SS+30 days	100%	-11 days
261	221520	RETAINING WALL - RW D23 (U) (21M) + 32 days DELAY (INCLEMENT WEATHER FROM MAY TO AUG 2017) + SKJV NCE No. 72 & 101	136 days	4 days	Sat 10/6/17	Mon 23/10/17	Sat 10/6/17	Mon 23/10/17	260SS+20 days	100%	206 days
262	**221530**	**MP 6+372 - MP 6+410**	**570 days**		**Mon 7/5/18**	**Wed 27/11/19**	-	-		-	**-149 days**
263	221540	RETAINING WALL - RW D24 (44M)	95 days	5 days	Mon 7/5/18	Thu 9/8/18	NA	NA	253	0%	-84 days
264	221545	DRAINAGE WORKS, EARTHWORKS AND ROAD WORKS FROM MP6+020 TO 6+530	250 days	10 days	Sun 14/10/18	Thu 20/6/19	NA	NA	250,251,253,254,258,260,261,263	0%	-149 days
265	221550	ROAD WORKS	160 days	5 days	Fri 21/6/19	Wed 27/11/19	NA	NA	264,238,239,244	0%	-149 days
266	221555	PORTION E - ANTICIPATED COMPLETION DATE	0 days	0 day	Wed 27/11/19	Wed 27/11/19	NA	NA	265	0%	-149 days
267	221560	W2 (PORTION E) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	265	0%	0 days
268	**222000**	**PORTION F (MP 6+530 - MP 6+850, CH ST 0+150 - CH ST 1+150)**	**1301 days**		**Thu 30/6/16**	**Tue 21/1/20**	-	-		-	**606 days**
269	222010	POSSESION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	203FS+151 days	100%	0 days
270	222020	INITIAL SURVEY	215 days	4 days	Mon 28/11/16	Fri 30/6/17	Mon 28/11/16	Fri 30/6/17	269SS	100%	0 days
271	222030	TREE SURVEY	40 days	4 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	269SS	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

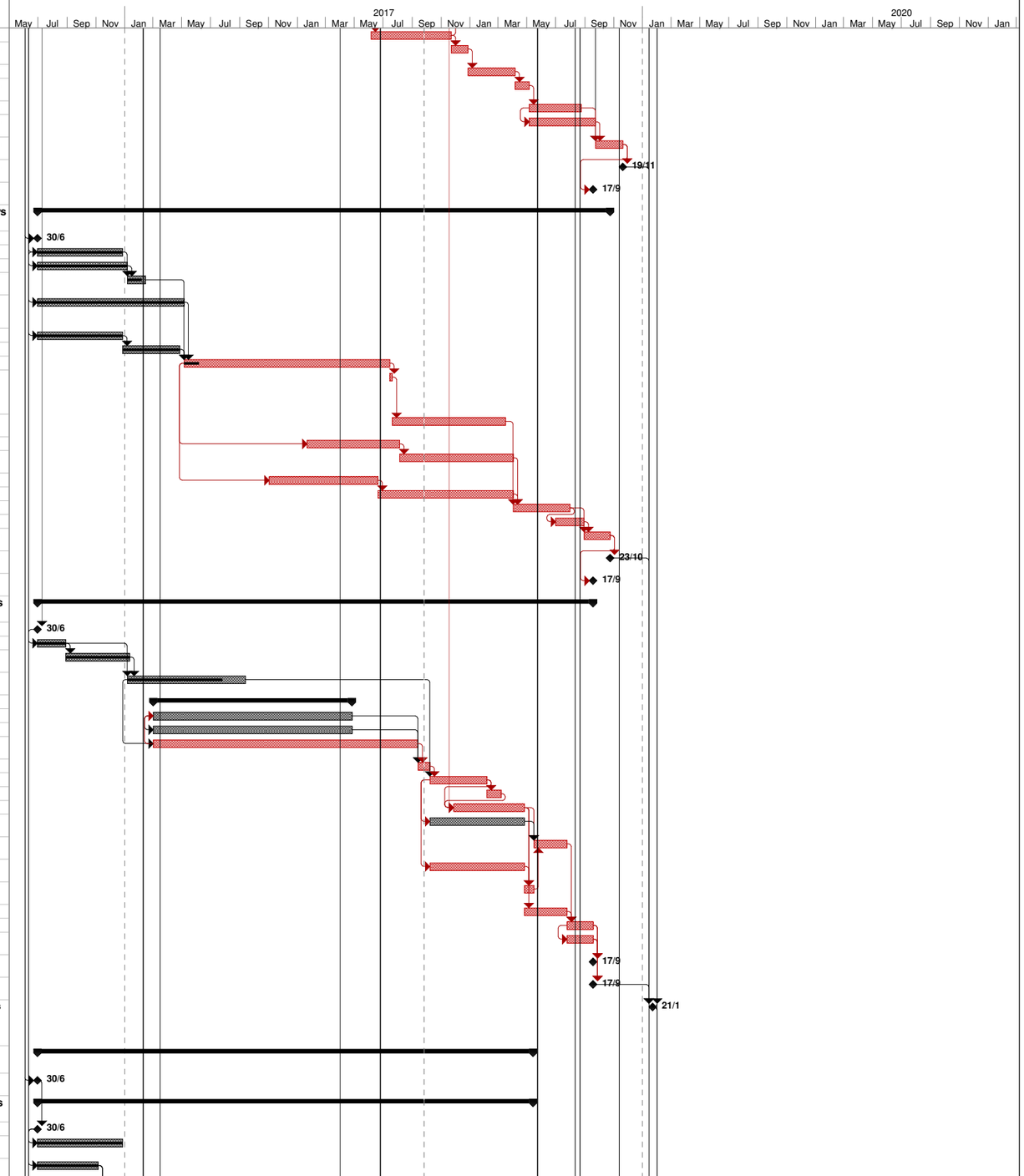
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
272	222040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE (+ DELAY DUE TO INCLEMENT WEATHER)	150 days	5 days	Sat 1/7/17	Mon 27/11/17	Sat 1/7/17	Mon 27/11/17	271,270	100%	-148 days
273	222050	UTILITIES DIVERSION WORKS (CLP, TOWN GAS)	90 days	0 day	Tue 28/11/17	Sun 25/2/18	NA	NA	272	-	1301 days
274	222120	INSTRUCTION FOR SITE INVESTIGATION FOR CONTAMINATED SITE	565 days	0 day	Thu 30/6/16	Mon 15/1/18	Thu 30/6/16	Mon 6/3/17	2SS	100%	0 days
275	222130	ARRANGEMENT OF SITE INVESTIGATION WORKS	7 days	0 day	Tue 16/1/18	Mon 22/1/18			274		0 days
276	222140	SITE INVESTIGATION WORKS AND TESTING	60 days	0 day	Tue 23/1/18	Fri 23/3/18			275		0 days
277	222145	AWAITING FOR INSTRUCTION FOR REMEDIAL WORKS FOR CONTAMINATED SOIL UP TO THIS PROG DATE	159 days	2 days	Sat 24/3/18	Wed 29/8/18	Tue 16/5/17	Mon 29/5/17	276	0%	-204 days
278	222146	ASSUMED ISSUED DATE OF PM INSTRUCTION TO CARRY OUT DE-CONTAMINATION WORKS IN PORTION F (DATE AND DURATION WERE ASSUMED IN THIS PROG)	1 day	0 day	Thu 30/8/18	Thu 30/8/18	Fri 19/1/18	Fri 19/1/18	277	100%	-204 days
279	222150	PREPARATION WORKS FOR DE-CONTAMINATION (DATE AND DURATION WERE ASSUMED IN THIS PROG)	188 days	3 days	Sat 24/3/18	Thu 27/9/18	Sat 20/1/18	Wed 28/2/18	276	100%	-204 days
280	222155	IMPLEMENTATION OF DE-CONTAMINATION WORKS & ASSOCIATED EARTHWORK & DRAINAGE WORKS (DATE AND DURATION WERE ASSUMED IN THIS PROG)	180 days	5 days	Fri 28/9/18	Tue 26/3/19	Thu 1/3/18	NA	279,278FS+28 days	10%	-204 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	270SS+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	100%	156 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	100%	156 days
284	222180	RW 42 (60M)	75 days	7 days	Sun 6/1/19	Thu 21/3/19	NA	NA	366SS+40 days		-49 days
285	222190	RW 43 (+ SKJV NCE)	225 days	5 days	Sun 18/3/18	Sun 28/10/18	Sun 18/3/18	NA	283,272,290SS+110 days	10%	-148 days
286	222200	RW 44 (36M U)	85 days	5 days	Mon 29/10/18	Mon 21/1/19	NA	NA	285	0%	-140 days
287	222210	RAMP PR3 CONSTRUCTION	55 days	3 days	Tue 22/1/19	Sun 17/3/19	NA	NA	286	0%	-45 days
288	222211	Additional Retaining Wall RWD26A, RWD26B, RWD26C at Chainage CH-ST-6+500 to CH-6+650	218 days	3 days	Tue 26/6/18	Tue 29/1/19	Tue 26/6/18	NA	285SS+100 days		-148 days
289	222215	EARTHWORKS AND DRAINAGE WORKS FOR RW42, RW43, RW44, RWD26A, RWD26B & RWD26C	150 days	10 days	Wed 27/3/19	Fri 23/8/19	NA	NA	290,280,288,285,286	0%	-204 days
290	222220	EARTHWORKS AND DRAINAGE WORKS (Excluding RW42, 43 & 44)	420 days	10 days	Tue 28/11/17	Mon 21/1/19	NA	NA	272	60%	-148 days
291	222230	ROAD WORKS (1.3 KM)	151 days	10 days	Sat 24/8/19	Tue 21/1/20	NA	NA	284,289,287	0%	-204 days
292	222240	RESTING STATION R8	130 days	10 days	Sat 24/8/19	Tue 31/12/19	NA	NA	291SS	0%	-183 days
293	222250	PORTION F - ANTICIPATED COMPLETION DATE	0 days	0 day	Tue 21/1/20	Tue 21/1/20	NA	NA	291,292	0%	-204 days
294	222260	W2 (PORTION F) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	291,292	0%	0 days
295	**223000**	**PORTION G - (BRIDGE C) CH ST 1+210 - CH ST 1+310)**	**1240 days**		**Thu 30/6/16**	**Thu 21/11/19**	**-**	**-**			**-143 days**
296	223010	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	203	100%	0 days
297	223020	INITIAL SURVEY	60 days	5 days	Thu 30/6/16	Sun 28/8/16	Thu 30/6/16	Sun 28/8/16	296SS	100%	0 days
298	223030	TREE SURVEY	130 days	10 days	Mon 29/8/16	Thu 5/1/17	Mon 29/8/16	Thu 5/1/17	297	100%	0 days
299	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	298,297	100%	0 days
300	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	296SS	100%	0 days
301	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	300	100%	0 days
302	223110	STARTING DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17		100%	0 days
303	223111	BRIDGE C WORKS	151 days	5 days	Wed 1/11/17	Sat 31/3/18	Wed 1/11/17	Sat 31/3/18	302,299	100%	187 days
304	223160	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18		100%	0 days
305	223200	EARTHWORKS AND DRAINAGE WORKS	180 days	2 days	Sun 1/4/18	Thu 27/9/18	Sun 1/4/18	NA	303	80%	187 days
306	223210	ROAD WORKS	90 days	10 days	Sat 24/8/19	Thu 21/11/19	NA	NA	305,291SS	0%	-143 days
307	223230	PORTION G - ANTICIPATED COMPLETION DATE	0 days	0 day	Thu 21/11/19	Thu 21/11/19	NA	NA	306	0%	-143 days
308	223240	W2 (PORTION G) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	306	0%	0 days
309	**224000**	**PORTION H (CH ST 1+310 - 1+525, 1+700 - 2+270)**	**1238 days**		**Thu 30/6/16**	**Tue 19/11/19**	**-**	**-**		**-**	**669 days**
310	224010	POSSESION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	203FS+60 days	100%	0 days
311	224020	INITIAL SURVEY	300 days	4 days	Mon 29/8/16	Sat 24/6/17	Mon 29/8/16	Sat 24/6/17	310SS	100%	0 days
312	224030	TREE SURVEY	65 days	4 days	Wed 2/11/16	Thu 5/1/17	Wed 2/11/16	Thu 5/1/17	311	100%	0 days
313	224040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	420 days	7 days	Fri 4/8/17	Thu 27/9/18	Fri 4/8/17	NA	311FS+40 days	70%	1087 days
314	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	203SS	100%	0 days
315	**224060**	APPLIED TTA APPROVAL FOR REALIGNMENT FOR RW49	285 days	14 days	Thu 24/8/17	Mon 4/6/18	Thu 24/8/17	Tue 19/6/18	314	100%	-141 days
316	224070	**UTILITIES DIVERSION WORKS (HKB, TGT & CLP)**	**90 days**	**0 day**	**Thu 24/8/17**	**Tue 21/11/17**	**-**	**-**		**-**	**1397 days**
317	224080	HKB	90 days	5 days	Thu 24/8/17	Tue 21/11/17	Thu 24/8/17	NA	314	0%	1397 days
318	224090	TGT	90 days	5 days	Thu 24/8/17	Tue 21/11/17	Thu 24/8/17	NA	317SS	0%	1397 days
319	224100	CLP	90 days	5 days	Thu 24/8/17	Tue 21/11/17	Thu 24/8/17	NA	317SS	0%	1397 days
320	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	311SS+95 days	100%	0 days
321	224120	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	60 days	2 days	Tue 29/8/17	Fri 27/10/17	Tue 29/8/17	NA	320FS+80 days	50%	-131 days
322	224130	INSTALLATION OF MONITORING MARKERS	30 days	2 days	Sat 28/10/17	Sun 26/11/17	Sat 28/10/17	NA	321	50%	-131 days
323	224140	RW 45A (73M) + DELAY DUE TO INCLEMENT WEATHER + CE-039 ROCKFILL ARRANGMENT BENEATH RW45A	190 days	10 days	Mon 27/11/17	Mon 4/6/18	Mon 27/11/17	NA	322	30%	-131 days
324	224150	RW 45B (58M) - CSD	90 days	10 days	Thu 22/11/18	Tue 19/2/19	NA	NA	325,323	0%	74 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

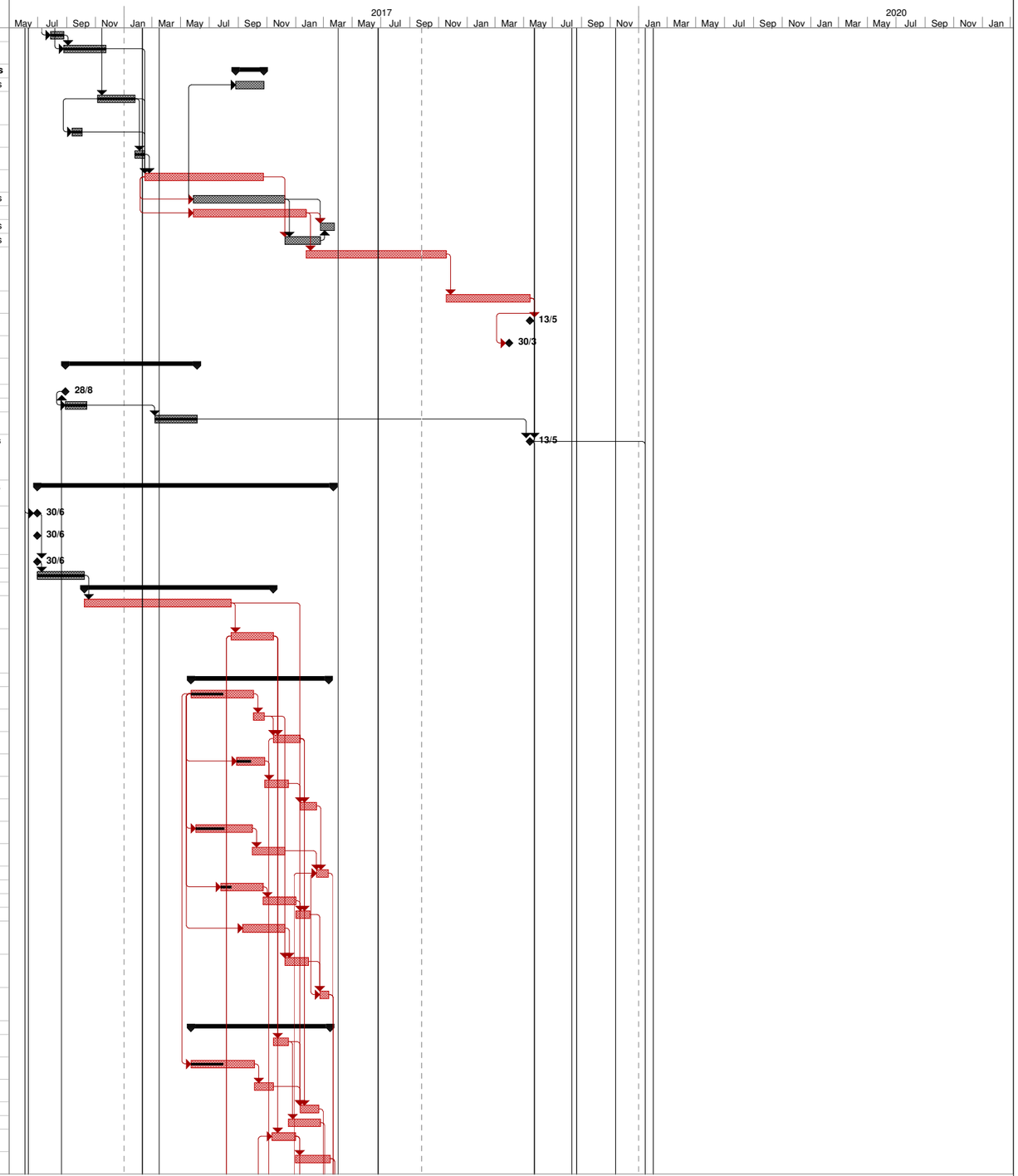
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
325	224160	RW 49 (130M)	170 days	5 days	Tue 5/6/18	Wed 21/11/18	NA	NA	315,323FS-10 days	0%	-141 days
326	224165	ROAD WORKS FOR RE-ALIGNMENT CARRIAGEWAY FOR RW49	35 days	0 day	Thu 22/11/18	Wed 26/12/18	NA	NA	325	0%	-141 days
327	224170	DW1 & DW1A (130M)	100 days	10 days	Thu 27/12/18	Fri 5/4/19	NA	NA	326	0%	-141 days
328	224175	ROAD WORKS FOR REALIGNMENT CARRIAGEWAY FOR DW1	30 days	0 day	Sat 6/4/19	Sun 5/5/19	NA	NA	327	0%	-141 days
329	224180	DW2 (92M)	110 days	10 days	Mon 6/5/19	Fri 23/8/19	NA	NA	328	0%	-141 days
330	224190	EARTHWORKS AND DRAINAGE WORKS FOR DW2	140 days	14 days	Mon 6/5/19	Sun 22/9/19	NA	NA	329SS	0%	-141 days
331	224220	ROAD WORKS	58 days	5 days	Mon 23/9/19	Tue 19/11/19	NA	NA	330,329,324	0%	-141 days
332	224230	PORTION H - ANTICIPATED COMPLETION DATE	0 days	0 day	Tue 19/11/19	Tue 19/11/19	NA	NA	331	0%	-141 days
333	224240	W2 (PORTION H) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	331	0%	0 days
334	**225000**	**PORTION I (SUBWAY D)**	**1211 days**		**Thu 30/6/16**	**Wed 23/10/19**	-	-		-	**-114 days**
335	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
336	225020	INITIAL SURVEY	180 days	14 days	Thu 30/6/16	Mon 26/12/16	Thu 30/6/16	Mon 26/12/16	335SS	100%	0 days
337	225030	TREE SURVEY	190 days	14 days	Thu 30/6/16	Thu 5/1/17	Thu 30/6/16	Thu 5/1/17	336SS	100%	0 days
338	225040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	38 days	2 days	Fri 6/1/17	Sun 12/2/17	Fri 6/1/17	Sun 12/2/17	337,336	100%	113 days
339	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	203SS	100%	0 days
340	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
341	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	340	100%	0 days
342	225080	SUBWAY D CONSTRUCTION, BAY 9 - 11	435 days	10 days	Sat 6/5/17	Sat 14/7/18	Sat 6/5/17	NA	341,338,339	80%	-98 days
343	225085	TTA FOR SUBWAY D CONSTRUCTION, BAY 7 TO 8 + SKJV NCE No.41 OBSTRUCTION OF REVISED RETAINED TREES IN PORTION I	5 days	0 day	Sun 15/7/18	Thu 19/7/18	NA	NA	342	0%	-98 days
344	225086	SUBWAY D CONSTRUCTION, BAY 7 TO 8 & PUMP HOUSE	240 days	10 days	Fri 20/7/18	Sat 16/3/19	NA	NA	343	0%	-98 days
345	225090	SUBWAY D CONSTRUCTION, BAY 15 TO 17	196 days	5 days	Sun 21/1/18	Sat 4/8/18	Sun 21/1/18	NA	342SS+260 days	40%	-114 days
346	225091	SUBWAY D CONSTRUCTION, BAY 12 TO 14	240 days	10 days	Sun 5/8/18	Mon 1/4/19	NA	NA	345	0%	-114 days
347	225092	SUBWAY D CONSTRUCTION, BAY 4 TO 6	230 days	10 days	Thu 2/11/17	Tue 19/6/18	NA	NA	342SS+180 days	60%	-114 days
348	225093	SUBWAY D CONSTRUCTION, BAY 1 TO 3	286 days	10 days	Wed 20/6/18	Mon 1/4/19	NA	NA	347	0%	-114 days
349	225110	FINISHING WORKS AND E&M WORKS	120 days	6 days	Tue 2/4/19	Tue 30/7/19	NA	NA	348,346,344	0%	-114 days
350	225120	EARTHWORKS AND DRAINAGE WORKS	60 days	3 days	Mon 1/7/19	Thu 29/8/19	NA	NA	349FS-30 days	0%	-114 days
351	225130	ROAD WORKS	55 days	3 days	Fri 30/8/19	Wed 23/10/19	NA	NA	350,349	0%	-114 days
352	225140	PORTION I - ANTICIPATED COMPLETION DATE	0 days	0 day	Wed 23/10/19	Wed 23/10/19	NA	NA	351	0%	-114 days
353	225150	W2 (PORTION I) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	351	0%	0 days
354	**226000**	**PORTION N (BRIDGE B)**	**1175 days**		**Thu 30/6/16**	**Tue 17/9/19**	-	-		-	**732 days**
355	226010	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	203	100%	0 days
356	226020	INITIAL SURVEY	60 days	5 days	Thu 30/6/16	Sun 28/8/16	Thu 30/6/16	Sun 28/8/16	355SS	100%	0 days
357	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	356	100%	0 days
358	226040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	250 days	5 days	Fri 6/1/17	Tue 12/9/17	Fri 6/1/17	Tue 12/9/17	357,356	100%	341 days
359	**226050**	**UTILITIES DIVERSION WORKS (CLP & TOWN GAS)**	**420 days**	**10 days**	**Thu 2/3/17**	**Wed 25/4/18**	-	-		-	**91 days**
360	226080	CLP	420 days	0 day	Thu 2/3/17	Wed 25/4/18	Wed 13/9/17	NA	362SS	0%	91 days
361	226090	TOWN GAS	420 days	0 day	Thu 2/3/17	Wed 25/4/18	Wed 13/9/17	NA	360SS	0%	91 days
362	226091	INSPECTION PITS TO IDENTIFY CLP CABLES & GAS MAINS	560 days	0 day	Thu 2/3/17	Wed 12/9/18	Thu 2/3/17	NA	358SS+55 days	50%	-49 days
363	226100	PRE-DRILLING WORKS FOR PILES	25 days	1 days	Thu 13/9/18	Sun 7/10/18	NA	NA	360,361,362	0%	-49 days
364	226110	PILE WORKS	120 days	4 days	Mon 8/10/18	Mon 4/2/19	NA	NA	363,358	0%	-49 days
365	226120	PILE LOAD TEST	30 days	1 days	Tue 5/2/19	Wed 6/3/19	NA	NA	364	0%	-49 days
366	226130	ABUTMENT CONSTRUCTION	150 days	5 days	Tue 27/11/18	Thu 25/4/19	NA	NA	364FS-100 days,365FS-100 days	0%	-49 days
367	226140	OFFSITE FABRICATION OF STEEL BRIDGE MEMBERS	200 days	10 days	Mon 8/10/18	Thu 25/4/19	NA	NA	364SS	0%	20 days
368	226150	STEEL TRUSS AND DECK CONSTRUCTION ON SITE	70 days	2 days	Thu 16/5/19	Wed 24/7/19	NA	NA	367,366,370	0%	0 days
369	226160	PROCURE AND DELIVERY OF BEARINGS AND MOVEMENT JOINTS	200 days	10 days	Mon 8/10/18	Thu 25/4/19	NA	NA	364SS	0%	0 days
370	226170	INSTALLATION OF BEARINGS AND MOVEMENT JOINTS	20 days	2 days	Fri 26/4/19	Wed 15/5/19	NA	NA	369,366	0%	0 days
371	226180	EARTHWORKS AND DRAINAGE WORKS	90 days	2 days	Fri 26/4/19	Wed 24/7/19	NA	NA	366	0%	0 days
372	226190	ROAD WORKS	55 days	2 days	Thu 25/7/19	Tue 17/9/19	NA	NA	371,368	0%	0 days
373	226200	BRIDGE ASSOCIATED WORKS AND WATERMAIN WORKS	55 days	2 days	Thu 25/7/19	Tue 17/9/19	NA	NA	372SS	0%	0 days
374	226210	PORTION N - ANTCIPATED COMPLETION DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	372,373	0%	732 days
375	226220	W2 (PORTION N) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	372,373	0%	0 days
376	**220030**	**SECTION W2 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Tue 21/1/20**	**Tue 21/1/20**	**NA**	**NA**	**293,307,332,352,375,266**		**-204 days**
377		**SECTION W3 (PORTION K & J1)**	**1048 days**		**Thu 30/6/16**	**Mon 13/5/19**	-	-		-	**859 days**
378	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
379	**231000**	**PORTION K (CH KW 1+360 - CH KW 2+070)**	**1048 days**		**Thu 30/6/16**	**Mon 13/5/19**	-	-		-	**859 days**
380	231010	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	378	100%	0 days
381	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	380SS	100%	0 days
382	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	380SS	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

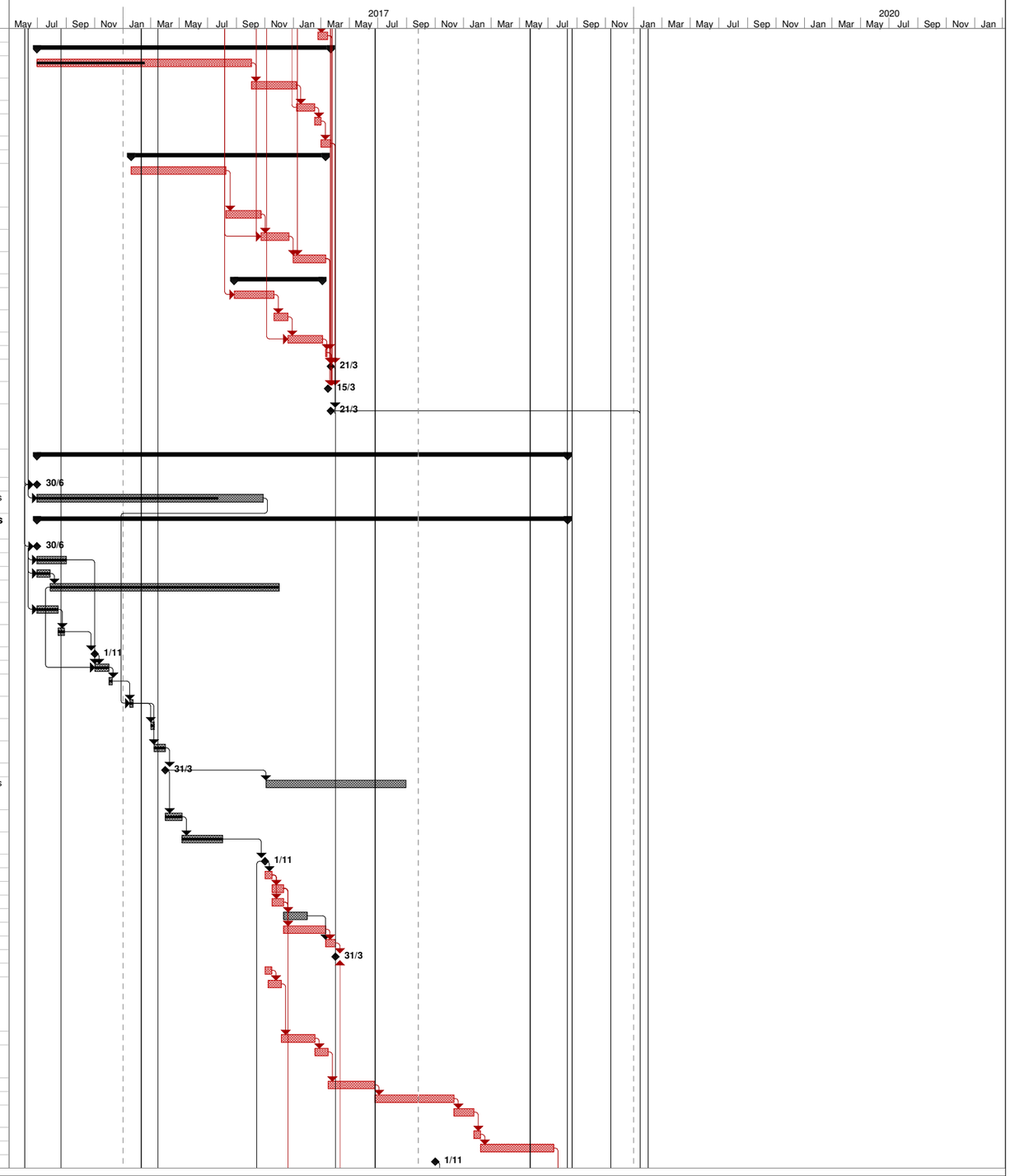
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
383	231040	TREE SURVEY	28 days	2 days	Thu 28/7/16	Wed 24/8/16	Thu 28/7/16	Wed 24/8/16	382	100%	0 days
384	231050	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	90 days	7 days	Thu 25/8/16	Tue 22/11/16	Thu 25/8/16	Tue 22/11/16	383,382	100%	0 days
385	**231060**	**UTILITIES DIVERSION WORKS (CLP)**	**60 days**	**0 day**	**Sat 26/8/17**	**Tue 24/10/17**	-	-		-	**1425 days**
386	231070	CLP	60 days	5 days	Sat 26/8/17	Tue 24/10/17	Sat 26/8/17	Tue 24/10/17	391SS+90 days	100%	1425 days
387	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	382	100%	0 days
388	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	387SS	100%	0 days
389	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	387	100%	0 days
390	231130	RW 29C (66m) (+SKJV NCE No.89 - Additional Bay 0 to RW29C)	252 days	7 days	Tue 14/2/17	Mon 23/10/17	Tue 14/2/17	Mon 23/10/17	384,387,389,388	100%	-134 days
391	231140	RW 29B (50m)	195 days	7 days	Sun 28/5/17	Fri 8/12/17	Sun 28/5/17	Fri 8/12/17	390SS+103 days	100%	1275 days
392	231150	RW 29A (90m)	240 days	7 days	Sun 28/5/17	Mon 22/1/18	Sun 28/5/17	Mon 22/1/18	390SS+103 days	100%	-134 days
393	231160	RW 27 (90m) - CSD	30 days	7 days	Thu 22/2/18	Fri 23/3/18	Mon 26/2/18	Tue 27/3/18	394,391,392	100%	1275 days
394	231170	STREAM DECKING D9	75 days	7 days	Sat 9/12/17	Wed 21/2/18	Sat 9/12/17	Wed 21/2/18	391,390	100%	1275 days
395	231180	EARTHWORKS AND DRAINAGE WORKS (+ SKJV NCE No.90 - Additional 170m Dward Walls, Revised Alignment CT/FP and Maint. Access between CH KW1+580 to 1+910)	298 days	21 days	Tue 23/1/18	Fri 16/11/18	Tue 6/2/18	NA	392	80%	-134 days
396	231190	ROAD WORKS	178 days	21 days	Sat 17/11/18	Mon 13/5/19	NA	NA	395	0%	-134 days
397	231191	PORTION K - ANTICIPATED COMPLETION DATE	0 days	0 day	Mon 13/5/19	Mon 13/5/19	NA	NA	396	0%	-134 days
398	231195	W3 (PORTION K) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	396	0%	0 days
399	**232000**	**PORTION J1**	**280 days**		**Sun 28/8/16**	**Sun 4/6/17**	-	-		-	**0 days**
400	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	520FS+60 days	0%	0 days
401	232020	INITIAL SURVEY	45 days	4 days	Mon 29/8/16	Wed 12/10/16	Mon 29/8/16	Wed 12/10/16	400SS	100%	0 days
402	232030	SITE INVESTIGATION	90 days	10 days	Tue 7/3/17	Sun 4/6/17	Tue 7/3/17	Sun 4/6/17	401	100%	0 days
403	**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**	**Mon 13/5/19**	**Mon 13/5/19**	NA	NA	**397,402**	-	**-134 days**
404	**230050**	**SECTION W4 PUBLIC TOILET**	**630 days**		**Thu 30/6/16**	**Wed 21/3/18**	-	-		-	**-80 days**
405	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
406	**230070**	**PORTION L**	**0 days**		**Thu 30/6/16**	**Thu 30/6/16**	-	-		-	**0 days**
407	230080	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	405	100%	0 days
408	230090	DOCUMENT SUBMISSION	100 days	7 days	Thu 30/6/16	Fri 7/10/16	Thu 30/6/16	Fri 7/10/16	407	100%	0 days
409	**230100**	**R.C. WORKS AND U/G DRAINAGE**	**402 days**		**Sat 8/10/16**	**Mon 13/11/17**	-	-		-	**-73 days**
410	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	408	100%	-73 days
411	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	410	100%	-73 days
412	**241060**	**INTERNAL FINISHING**	**293 days**		**Tue 23/5/17**	**Sun 11/3/18**	-	-		-	**-70 days**
413	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		100%	-53 days
414	241080	ORDER & DELIVERY OF INTERNAL FINISHES (PAINTING, TILES)	23 days	2 days	Tue 3/10/17	Wed 25/10/17	NA	NA	413	100%	-53 days
415	241090	INSTALLATION OF INTERNAL FINISHES (PAINTING, TILES)	57 days	3 days	Tue 14/11/17	Tue 9/1/18	NA	NA	414,411	100%	-72 days
416	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	413SS+97 days	100%	-47 days
417	241110	ORDER & DELVIERY OF CUBICLE PARTITION SYSTEM	50 days	2 days	Fri 27/10/17	Fri 15/12/17	NA	NA	416	100%	-47 days
418	241120	INSTALLATION OF CUBICLE PARTITION SYSTEM	35 days	2 days	Wed 10/1/18	Tue 13/2/18	NA	NA	415,417	100%	-72 days
419	241130	SUBMISSION AND APPROVAL OF SANITARY FITTING	120 days	0 day	Fri 2/6/17	Fri 29/9/17	Fri 2/6/17	NA	413SS+10 days	100%	-5 days
420	241140	ORDER & DELVIERY OF SANITARY FITTING	70 days	2 days	Sat 30/9/17	Fri 8/12/17	NA	NA	419	100%	-5 days
421	241150	INSTALLATION OF SANITARY FITTING	25 days	2 days	Wed 14/2/18	Sat 10/3/18	NA	NA	420,418,440SS	100%	-72 days
422	241160	SUBMISSION AND APPROVAL OF DOORS & LOUVER	90 days	0 day	Tue 25/7/17	Sun 22/10/17	Thu 27/7/17	NA	413SS+63 days	100%	-49 days
423	241170	ORDER & DELVIERY OF DOORS & LOUVER	70 days	2 days	Mon 23/10/17	Sun 31/12/17	NA	NA	422	100%	-49 days
424	241180	INSTALLATION OF DOORS & LOUVER	30 days	1 day	Mon 1/1/18	Tue 30/1/18	NA	NA	423,415FS-10 days	100%	-49 days
425	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	413SS+110 days	100%	-46 days
426	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	425,414	100%	-46 days
427	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	426,421SS+7 days,424	100%	-70 days
428	**241220**	**EXTERNAL FINISHING**	**296 days**		**Tue 23/5/17**	**Wed 14/3/18**				-	**-73 days**
429	241230	WATERPROOFING FOR EXTERNAL SURFACE	32 days	3 days	Tue 14/11/17	Fri 15/12/17	NA	NA	411	100%	-73 days
430	241240	SUBMISSION AND APPROVAL OF EXTERNAL FINISHING	135 days	3 days	Tue 23/5/17	Wed 4/10/17	Tue 23/5/17	NA	413SS	100%	-13 days
431	241250	ORDER & DELVIERY OF EXTERNAL FINISHING	40 days	2 days	Thu 5/10/17	Mon 13/11/17	NA	NA	430	100%	-13 days
432	241260	INSTALLATION OF EXTERNAL FINISHING	40 days	3 days	Wed 10/1/18	Sun 18/2/18	NA	NA	429,431,410,415	100%	-70 days
433	241270	STEEL HOLLOW SECTION AT ROOF	68 days	3 days	Sat 16/12/17	Wed 21/2/18	NA	NA	429	100%	-73 days
434	241280	EQUALIZATION & SLUDE HOLDING TANKS, SOAP AWAY PIT	50 days	5 days	Sat 11/11/17	Sat 30/12/17	NA	NA	446SS+7 days,411FS-3 days	100%	-73 days
435	241290	EARTHWORKS, PAVEMENT & LANDSCAPING WORKS	74 days	3 days	Sun 31/12/17	Wed 14/3/18	NA	NA	434	100%	-73 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

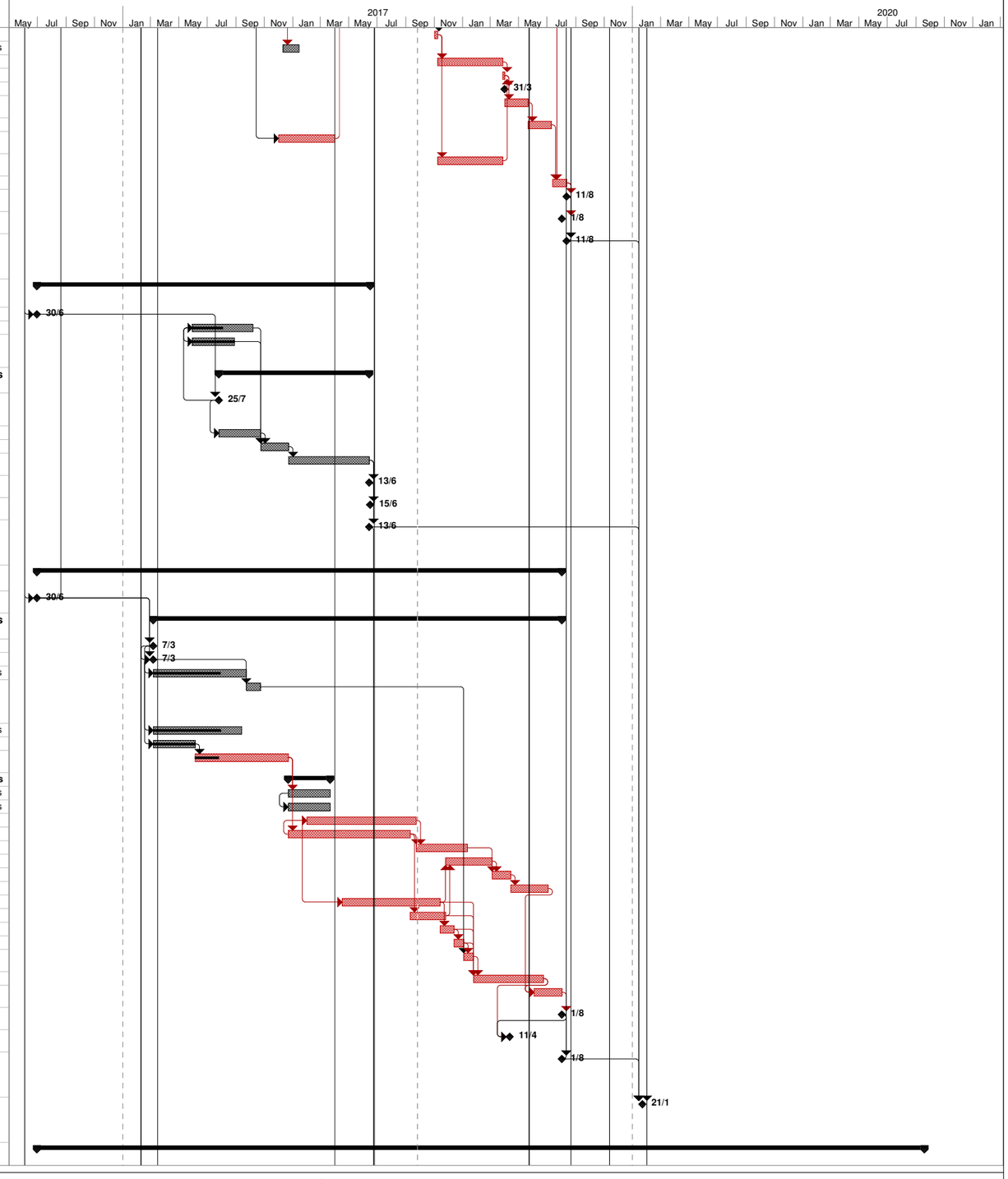
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
436	241300	EXTERNAL MISC. WORK	21 days	2 days	Thu 22/2/18	Wed 14/3/18	NA	NA	432,433	100%	-73 days
437	**241310**	**WATERWORKS**	**630 days**		**Thu 30/6/16**	**Wed 21/3/18**	**-**	**-**		**-**	**-80 days**
438	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		100%	-80 days
439	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	438	100%	-80 days
440	241340	INSTALLATION OF PLUMBLING WORKS	39 days	2 days	Sun 7/1/18	Wed 14/2/18	NA	NA	439	100%	-80 days
441	241350	WSD INSPECETION ON COMPLETED PLUMBLING WORKS	14 days	1 day	Thu 15/2/18	Wed 28/2/18	NA	NA	440	100%	-80 days
442	241360	WSD METER CONNECTION BY WSD	21 days	1 days	Thu 1/3/18	Wed 21/3/18	NA	NA	441	100%	-80 days
443	**241370**	**BIO-TREATMENT PLANT**	**417 days**		**Wed 18/1/17**	**Sat 10/3/18**	**-**	**-**		**-**	**-69 days**
444	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%	-61 days
445	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	444	100%	-61 days
446	241400	INSTALLATION OF BIO-TREATMENT PLANT	60 days	3 days	Mon 23/10/17	Thu 21/12/17	NA	NA	445,411SS+20 days	100%	-61 days
447	241410	TESTING & COMMISSIONING FOR BIO-TREATMENT PLANT	70 days	2 days	Sun 31/12/17	Sat 10/3/18	NA	NA	446,434	100%	-69 days
448	241420	**E&M and MVAC WORKS**	**189 days**		**Sun 27/8/17**	**Sat 3/3/18**	-	-		-	**-65 days**
449	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	411SS+11 days	100%	-65 days
450	241440	ORDER & DELVIERY OF E&M and MVAC WORKS	30 days	2 days	Mon 20/11/17	Tue 19/12/17	NA	NA	449	100%	-65 days
451	241450	INSTALLATION OF E&M and MVAC WORKS	74 days	5 days	Wed 20/12/17	Sat 3/3/18	NA	NA	415SS,450	100%	-65 days
452	241455	**FINAL TESTING & COMMISSIONING**	3 days	1 days	Sun 11/3/18	Tue 13/3/18	NA	NA	451,421	-	-72 days
453	241460	PORTION L - ANTICPATED COMPLETION DATE	0 days	0 day	Wed 21/3/18	Wed 21/3/18	NA	NA	427,435,436,442,452,447	100%	-80 days
454	241465	W4 (PORTION L) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Thu 15/3/18	Thu 15/3/18	NA	NA	427,435,436,442,452,447	0%	0 days
455	**241480**	**SECTION W4 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Wed 21/3/18**	**Wed 21/3/18**	NA	NA	**453**	**-**	**-80 days**
456	**250000**	**SECTION W5 (PORTION M)**	**1138 days**		**Thu 30/6/16**	**Sun 11/8/19**	**-**	**-**		**-**	**769 days**
457	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
458	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%	1422 days
459	**251000**	**PORTION M (BRIDGE E)**	**1138 days**		**Thu 30/6/16**	**Sun 11/8/19**	**-**	**-**		**-**	**769 days**
460	251010	POSSESION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	457SS	100%	0 days
461	251020	INITIAL SURVEY	63 days	2 days	Thu 30/6/16	Wed 31/8/16	Thu 30/6/16	Wed 31/8/16	460SS	100%	0 days
462	251030	TREE SURVEY	28 days	2 days	Thu 30/6/16	Wed 27/7/16	Thu 30/6/16	Wed 27/7/16	460SS	100%	0 days
463	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	462	100%	0 days
464	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	460SS	100%	0 days
465	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	464	100%	0 days
466	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	465	100%	0 days
467	251080	TEMPORARY DRAINAGE WORKS	30 days	4 days	Tue 1/11/16	Wed 30/11/16	Tue 1/11/16	Wed 30/11/16	466,461,463SS+10 days	100%	0 days
468	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	467	100%	0 days
469	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	468,458	100%	0 days
470	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	469	100%	0 days
471	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	469FS+7 days	100%	0 days
472	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	471	100%	0 days
473	251140	SUBMISSION, APPROVAL, PROCURE AND DELIVERY OF BEARINGS AND MOVEMENT JOINTS	300 days	30 days	Fri 3/11/17	Wed 29/8/18	Fri 3/11/17	NA	472FS+216 days	50%	1116 days
474	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	472	100%	0 days
475	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	474	100%	0 days
476	251170	STARTING DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	475	100%	0 days
477	251180	TEMPORARY DRAINAGE WORKS	15 days	2 days	Wed 1/11/17	Wed 15/11/17	Wed 1/11/17	Wed 15/11/17	476	100%	0 days
478	251190	PILING WORKS AT GRID 2	25 days	4 days	Thu 16/11/17	Sun 10/12/17	Thu 16/11/17	Sun 10/12/17	477	100%	0 days
479	251220	PILING WORKS AT GRID 3	25 days	4 days	Thu 16/11/17	Sun 10/12/17	Thu 16/11/17	Sun 10/12/17	477	100%	0 days
480	251225	PILE LOAD TEST	50 days	1 day	Mon 11/12/17	Mon 29/1/18	Mon 11/12/17	Mon 29/1/18	478,479	100%	22 days
481	251230	PILE CAP CONSTRUCTION	90 days	1 day	Mon 11/12/17	Sat 10/3/18	Mon 11/12/17	Sat 10/3/18	478,479	100%	0 days
482	251240	REMOVAL OF TEMPORARY DRAINAGE WORK	21 days	2 days	Sun 11/3/18	Sat 31/3/18	Sun 11/3/18	Sat 31/3/18	480FS+18 days,481	100%	0 days
483	251250	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	482,501	100%	0 days
484	251251	IMPLEMENTATION OF TTA AT GRID 1	14 days	0 day	Wed 1/11/17	Tue 14/11/17	Wed 1/11/17	Tue 14/11/17		100%	-7 days
485	251252	CE-068 - EXCAVATION OF INSPECTION TRENCH AND CE-069 - FORMING AN OPENING AT EXISTING RETAINING WALL FOR PILING WORKS OF P2A, P4A AND P6A IN BRIDGE E	28 days	0 day	Wed 8/11/17	Tue 5/12/17	Wed 8/11/17	Tue 5/12/17	484	100%	0 days
486	251255	PILING WORKS AT GRID 1	72 days	2 days	Wed 6/12/17	Thu 15/2/18	Wed 6/12/17	Thu 15/2/18	485	100%	-41 days
487	251260	PILE LOAD TEST AT GRID 1 (+ DELAY DUE TO SKJV NCE No.84 - SUSPENSION OF TENSION LOADING TEST)	28 days	7 days	Fri 16/2/18	Thu 15/3/18	Fri 16/2/18	Wed 7/3/18	486	100%	-41 days
488	251270	PILE CAP & COLUMN AT GRID 1	100 days	3 days	Fri 16/3/18	Sat 23/6/18	Thu 8/3/18	NA	487	100%	-41 days
489	251275	RAMP & RETAINING WALL AT GRID 1	170 days	2 days	Sun 24/6/18	Mon 10/12/18	NA	NA	488	0%	-41 days
490	251280	INSTALLATION OF STEEL ROOF AT GRID 1	43 days	1 days	Tue 11/12/18	Tue 22/1/19	NA	NA	489	0%	-41 days
491	251285	INSTALLAION OF MJ	14 days	0 day	Wed 23/1/19	Tue 5/2/19	NA	NA	490	0%	-41 days
492	251290	DRAINAGE & ROADWORKS AT GRID 1	157 days	4 days	Wed 6/2/19	Fri 12/7/19	NA	NA	491	0%	-41 days
493	251300	STARTING DATE OF DRY SEASON	0 days	0 day	Thu 1/11/18	Thu 1/11/18	NA	NA		0%	-38 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

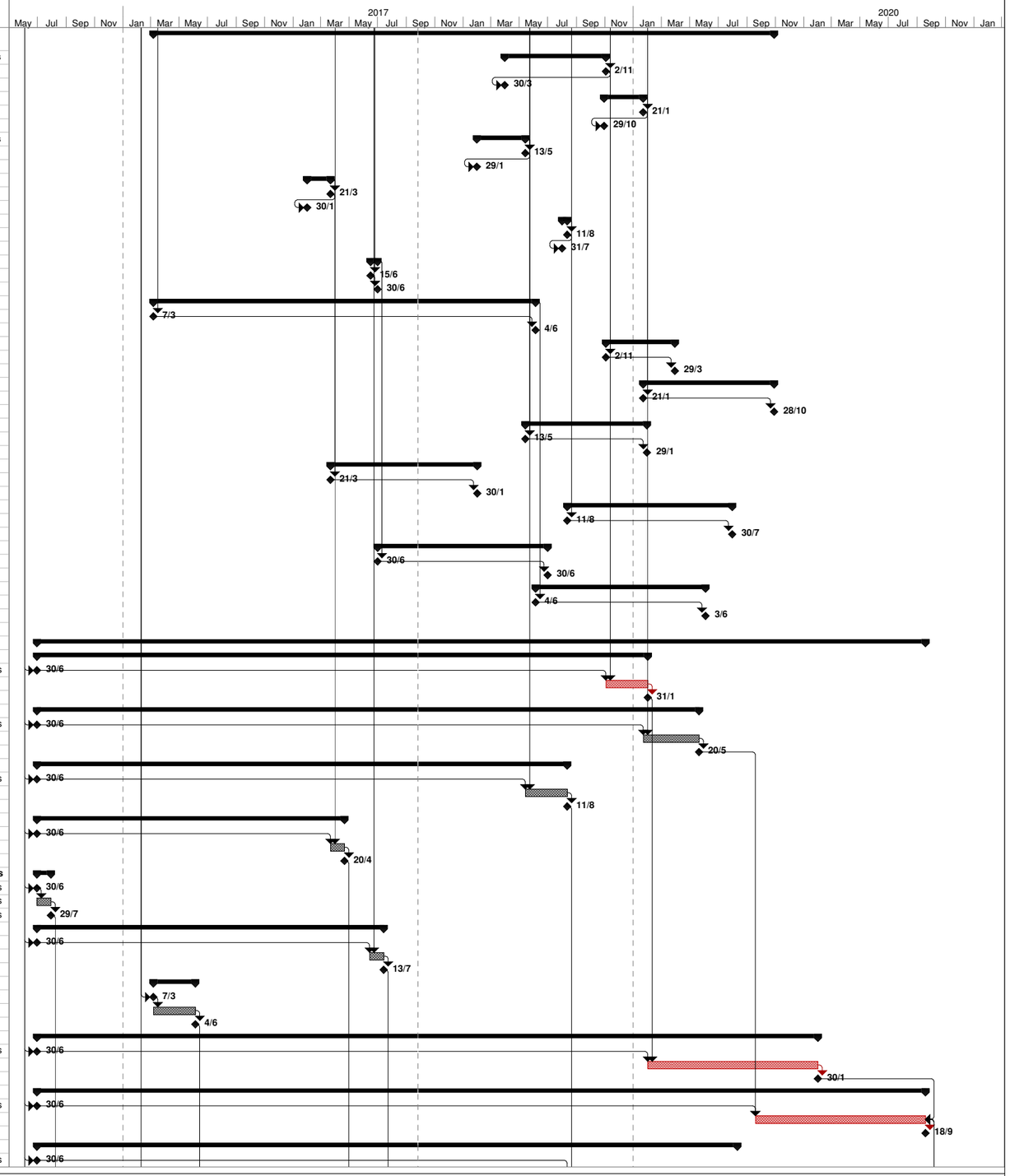
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
494	251305	TEMPORARY DRAINAGE WORKS	7 days	2 days	Thu 1/11/18	Wed 7/11/18	NA	NA	493	0%	-38 days
495	251310	PIER AT GRID 2	34 days	2 days	Mon 11/12/17	Sat 13/1/18	NA	NA	478	0%	1344 days
496	251315	BRIDGE DECK CONSTRUCTION	140 days	10 days	Thu 8/11/18	Wed 27/3/19	NA	NA	494	0%	-38 days
497	251320	REMOVAL OF TEMPORARY DRAINAGE WORK	4 days	2 days	Thu 28/3/19	Sun 31/3/19	NA	NA	496,502	0%	-38 days
498	251330	END DATE OF DRY SEASON	0 days	0 day	Sun 31/3/19	Sun 31/3/19	NA	NA	497	0%	902 days
499	251350	STEEL STRUCTURAL ROOF WORKS ON BRIDGE DECK	50 days	5 days	Mon 1/4/19	Mon 20/5/19	NA	NA	497	0%	-38 days
500	251360	RAILING, DRAINAGE & E&M WORKS	50 days	4 days	Tue 21/5/19	Tue 9/7/19	NA	NA	499	0%	-38 days
501	251361	ADDITION OF RETAINING WALL RW30A (SKJV NCE No. 98)	121 days	0 day	Fri 1/12/17	Sat 31/3/18	Fri 1/12/17	NA	476SS+30 days	90%	0 days
502	251362	ADDITION OF RETAINING WALL RW30B (SKJV NCE No. 98)	140 days	0 day	Thu 8/11/18	Wed 27/3/19	NA	NA	494	0%	-38 days
503	251370	ROAD WORKS	30 days	4 days	Sat 13/7/19	Sun 11/8/19	NA	NA	492,500	0%	-41 days
504	251385	PORTION M - ANTICIPATED COMPLETION DATE	0 days	0 day	Sun 11/8/19	Sun 11/8/19	NA	NA	503	0%	-41 days
505	251390	W5 (PORTION M) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Thu 1/8/19	Thu 1/8/19	NA	NA	503	0%	0 days
506	**251390**	**SECTION W5 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Sun 11/8/19**	**Sun 11/8/19**	NA	NA	**504**	-	**-41 days**
507	**260000**	**SECTION W6 (PORTION P)**	**716 days**		**Thu 30/6/16**	**Fri 15/6/18**	-	-		-	**242 days**
508	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
509	260020	APPLICATION OF EXCAVATION PERMIT	130 days	10 days	Tue 30/5/17	Fri 6/10/17	Tue 30/5/17	NA	512SS	100%	19 days
510	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	509SS	100%	0 days
511	**261000**	**PORTION P**	**323 days**		**Tue 25/7/17**	**Wed 13/6/18**	-	-		-	**244 days**
512	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	508FS+391 days	100%	0 days
513	261020	DOCUMENT SUBMISSION	90 days	2 days	Wed 26/7/17	Mon 23/10/17	Wed 26/7/17	Mon 23/10/17	512SS	100%	2 days
514	261030	DRAINAGE WORKS	60 days	5 days	Tue 24/10/17	Fri 22/12/17	Tue 24/10/17	Fri 22/12/17	513,509,510	100%	2 days
515	261040	ROAD WORKS	173 days	5 days	Sat 23/12/17	Wed 13/6/18	Sat 23/12/17	NA	514	100%	2 days
516	261045	PORTION P - ANTICIPATED COMPLETION DATE	0 days	0 day	Wed 13/6/18	Wed 13/6/18	NA	NA	515		244 days
517	261050	PORTION P - LATEST REVISED COMPLETION DATE	0 days	0 day	Fri 15/6/18	Fri 15/6/18	NA	NA	515	0%	0 days
518	**261060**	**SECTION W6 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Wed 13/6/18**	**Wed 13/6/18**	**NA**	**NA**	**516**	-	**244 days**
519	**270000**	**SECTION W7 (PORTION J1, J2 & J3)**	**1128 days**		**Thu 30/6/16**	**Thu 1/8/19**	-	-		-	**779 days**
520	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
521	**271000**	**PORTION J2, J3**	**878 days**		**Tue 7/3/17**	**Thu 1/8/19**	-	-		-	**779 days**
522	***271010***	***INSTRUCTION TO EXECISE***	***0 days***	***0 day***	***Tue 7/3/17***	***Tue 7/3/17***	***Tue 7/3/17***	***Tue 7/3/17***	***520***	***100%***	***0 days***
523	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	522SS,520FS+250 days	100%	0 days
524	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	522SS	50%	1457 days
525	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	523FS+200 days	0%	354 days
526	271050	INITIAL SURVEY	190 days	2 days	Tue 7/3/17	Tue 12/9/17	Tue 7/3/17	Sat 29/7/17	523SS	100%	1467 days
527	271060	TREE SURVEY	90 days	2 days	Tue 7/3/17	Sun 4/6/17	Tue 7/3/17	Sun 4/6/17	523SS	100%	0 days
528	271070	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	200 days	3 days	Mon 5/6/17	Thu 21/12/17	Mon 5/6/17	NA	527	60%	-112 days
529	**271072**	**UTILITIES DIVERSION WORKS (CLP, WSD)**	**90 days**	**3 day**	**Fri 22/12/17**	**Wed 21/3/18**	-	-		-	**1277 days**
530	271074	CLP	90 days	3 days	Fri 22/12/17	Wed 21/3/18	NA	NA	528	0%	1277 days
531	271076	WSD	90 days	3 days	Fri 22/12/17	Wed 21/3/18	NA	NA	530SS	0%	1277 days
532	271080	RW 46 (+ SKJV NCE)	235 days	7 days	Wed 31/1/18	Sat 22/9/18	Tue 12/12/17	NA	533SS+40 days	30%	-100 days
533	271090	RW 47 - CSD	262 days	0 day	Fri 22/12/17	Sun 9/9/18	Thu 2/11/17	NA	528	50%	-112 days
534	271100	RW 48 (110M)	110 days	5 days	Sun 23/9/18	Thu 10/1/19	NA	NA	533,532	0%	-59 days
535	271110	RW 24A (20M) (+ SKJV NCE)	100 days	2 days	Sun 25/11/18	Mon 4/3/19	NA	NA	539,538	0%	-112 days
536	271120	RW 24B (18M)	40 days	2 days	Tue 5/3/19	Sat 13/4/19	NA	NA	535,534	0%	-112 days
537	271130	RW 24C (82M)	80 days	7 days	Sun 14/4/19	Tue 2/7/19	NA	NA	536	0%	-112 days
538	271140	RW 25 (83M) (+ SKJV NCE)	210 days	7 days	Tue 17/4/18	Mon 12/11/18	Mon 26/2/18	NA	532SS+76 days	5%	-100 days
539	271150	RW 26 (20M)	76 days	2 days	Mon 10/9/18	Sat 24/11/18	NA	NA	533	0%	-112 days
540	271160	STREAM DECKING D8	30 days	2 days	Tue 13/11/18	Wed 12/12/18	NA	NA	538	0%	-83 days
541	271170	PROVIDE SAFETY ACCESS TO RESIDENT	21 days	2 days	Thu 13/12/18	Wed 2/1/19	NA	NA	540	0%	-83 days
542	271180	DEMOLITION OF EXISTING STRUCTURE @ APPROX. CH.KW0+900	21 days	3 days	Thu 3/1/19	Wed 23/1/19	NA	NA	541,525	0%	-83 days
543	271190	EARTHWORKS AND DRAINAGE WORKS	150 days	10 days	Thu 24/1/19	Sat 22/6/19	NA	NA	538,539,540,541,542	5%	-83 days
544	271200	ROAD WORKS	60 days	7 days	Mon 3/6/19	Thu 1/8/19	NA	NA	543FS-49 days,537FS-30 days	0%	-112 days
545	271205	PORTON J2/J3 - ANTICIPATED COMPLETION DATE	0 days	0	Thu 1/8/19	Thu 1/8/19	NA	NA	544	0%	-112 days
546	271210	W7 (PORTION J2/J3) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Thu 11/4/19	Thu 11/4/19	NA	NA	543,545	0%	0 days
547	**271215**	**SECTION W7 - ANTICIPATED COMPLETION DATE WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Thu 1/8/19**	**Thu 1/8/19**	**NA**	**NA**	**545**	**0%**	**779 days**
548	**200010**	**SECTION W1 TO W7 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER & OTHERS ISSUE**	**0 days**	**0 day**	**Tue 21/1/20**	**Tue 21/1/20**	NA	NA	**518,455,403,376,201,506,547**		**606 days**
549	**300000**	**LANDSCAPING SOFTWORKS AND ESTABLISHMENT WORK**	**1907 days**		**Thu 30/6/16**	**Sat 18/9/21**	NA	NA			**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

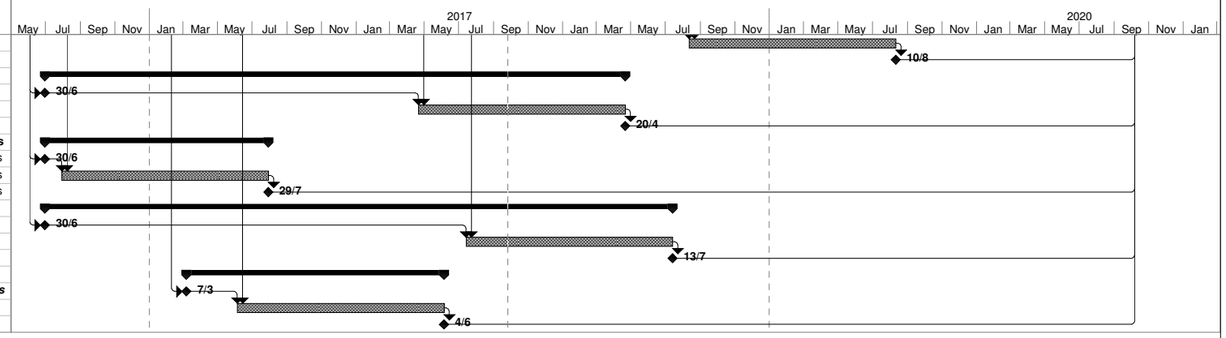
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	'Actual Start	'Actual Finish	Predecessors	'% Comple	Finish Slack
550	**300010**	**ACCESS DATES AND COMPLETION DATES FOR CONTRACTS**	**1332 days**		**Tue 7/3/17**	**Wed 28/10/20**	NA	NA			**0 days**
551	**300020**	**SECTION W8A**	**217 days**		**Sat 30/3/19**	**Sat 2/11/19**	NA	NA			**-217 days**
552	300030	ACCESS DATE	0 days		Sat 2/11/19	Sat 2/11/19	NA	NA	4		-307 days
553	300040	COMPLETION DATE	0 days		Sat 30/3/19	Sat 30/3/19	NA	NA	552FS+90 days		0 days
554	**300050**	**SECTION W8B**	**84 days**		**Tue 29/10/19**	**Tue 21/1/20**	NA	NA			**-84 days**
555	300060	ACCESS DATE	0 days		Tue 21/1/20	Tue 21/1/20	NA	NA	13		-204 days
556	300070	COMPLETION DATE	0 days		Tue 29/10/19	Tue 29/10/19	NA	NA	555FS+120 days		0 days
557	**300080**	**SECTION W8C**	**104 days**		**Tue 29/1/19**	**Mon 13/5/19**	NA	NA			**-104 days**
558	300090	ACCESS DATE	0 days		Mon 13/5/19	Mon 13/5/19	NA	NA	24		-134 days
559	300100	COMPLETION DATE	0 days		Tue 29/1/19	Tue 29/1/19	NA	NA	558FS+30 days		0 days
560	**300110**	**SECTION W8D**	**50 days**		**Tue 30/1/18**	**Wed 21/3/18**	NA	NA			**-50 days**
561	300120	ACCESS DATE	0 days		Wed 21/3/18	Wed 21/3/18	NA	NA	33		-80 days
562	300130	COMPLETION DATE	0 days		Tue 30/1/18	Tue 30/1/18	NA	NA	561FS+30 days		0 days
563	**300140**	**SECTION W8E**	**11 days**		**Wed 31/7/19**	**Sun 11/8/19**	NA	NA			**-11 days**
564	300150	ACCESS DATE	0 days		Sun 11/8/19	Sun 11/8/19	NA	NA	39		-41 days
565	300160	COMPLETION DATE	0 days		Wed 31/7/19	Wed 31/7/19	NA	NA	564FS+30 days		0 days
566	**300170**	**SECTION W8F**	**15 days**		**Fri 15/6/18**	**Sat 30/6/18**	NA	NA			**0 days**
567	300180	ACCESS DATE	0 days		Fri 15/6/18	Fri 15/6/18	NA	NA	46		-15 days
568	300190	COMPLETION DATE	0 days		Sat 30/6/18	Sat 30/6/18	NA	NA	567FS+30 days		0 days
569	**300200**	**SECTION W8G**	**820 days**		**Tue 7/3/17**	**Tue 4/6/19**	NA	NA			**0 days**
570	300210	ACCESS DATE	0 days		Tue 7/3/17	Tue 7/3/17	NA	NA	53		730 days
571	300220	COMPLETION DATE	0 days		Tue 4/6/19	Tue 4/6/19	NA	NA	570FS+90 days		0 days
572	**300230**	**SECTION W9A**	**148 days**		**Sat 2/11/19**	**Sun 29/3/20**	NA	NA			**0 days**
573	300240	ACCESS DATE	0 days		Sat 2/11/19	Sat 2/11/19	NA	NA	551		-217 days
574	300250	COMPLETION DATE	0 days		Sun 29/3/20	Sun 29/3/20	NA	NA	573FS+365 days		0 days
575	**300260**	**SECTION W9B**	**281 days**		**Tue 21/1/20**	**Wed 28/10/20**	NA	NA			**0 days**
576	300270	ACCESS DATE	0 days		Tue 21/1/20	Tue 21/1/20	NA	NA	554		-84 days
577	300280	COMPLETION DATE	0 days		Wed 28/10/20	Wed 28/10/20	NA	NA	576FS+365 days		0 days
578	**300290**	**SECTION W9C**	**261 days**		**Mon 13/5/19**	**Wed 29/1/20**	NA	NA			**0 days**
579	300300	ACCESS DATE	0 days		Mon 13/5/19	Mon 13/5/19	NA	NA	557		-104 days
580	300310	COMPLETION DATE	0 days		Wed 29/1/20	Wed 29/1/20	NA	NA	579FS+365 days		0 days
581	**300320**	**SECTION W9D**	**315 days**		**Wed 21/3/18**	**Wed 30/1/19**	NA	NA			**0 days**
582	300330	ACCESS DATE	0 days		Wed 21/3/18	Wed 21/3/18	NA	NA	560		-50 days
583	300340	COMPLETION DATE	0 days		Wed 30/1/19	Wed 30/1/19	NA	NA	582FS+365 days		0 days
584	**300350**	**SECTION W9E**	**354 days**		**Sun 11/8/19**	**Thu 30/7/20**	NA	NA			**0 days**
585	300360	ACCESS DATE	0 days		Sun 11/8/19	Sun 11/8/19	NA	NA	563		-11 days
586	300370	COMPLETION DATE	0 days		Thu 30/7/20	Thu 30/7/20	NA	NA	585FS+365 days		0 days
587	**300380**	**SECTION W9F**	**365 days**		**Sat 30/6/18**	**Sun 30/6/19**	NA	NA			**0 days**
588	300390	ACCESS DATE	0 days		Sat 30/6/18	Sat 30/6/18	NA	NA	566		0 days
589	300400	COMPLETION DATE	0 days		Sun 30/6/19	Sun 30/6/19	NA	NA	588FS+365 days		0 days
590	**300410**	**SECTION W9G**	**365 days**		**Tue 4/6/19**	**Wed 3/6/20**	NA	NA			**0 days**
591	300420	ACCESS DATE	0 days		Tue 4/6/19	Tue 4/6/19	NA	NA	569		0 days
592	300430	COMPLETION DATE	0 days		Wed 3/6/20	Wed 3/6/20	NA	NA	591FS+365 days		0 days
593											
594	**400000**	**PLANNED WORK PROGRAMME**	**1907 days**		**Thu 30/6/16**	**Sat 18/9/21**	NA	NA			**0 days**
595	**400010**	**SECTION W8A**	**1311 days**		**Thu 30/6/16**	**Fri 31/1/20**	NA	NA			**0 days**
596	400020	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1221 days
597	400030	LANDSCAPING SOFTWORKS	90 days	7 days	Sun 3/11/19	Fri 31/1/20	NA	NA	201,596		0 days
598	400040	COMPLETION OF SECTION W8A	0 days		Fri 31/1/20	Fri 31/1/20	NA	NA	597		0 days
599	**400050**	**SECTION W8B**	**1421 days**		**Thu 30/6/16**	**Wed 20/5/20**	NA	NA			**76 days**
600	400060	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1377 days
601	400070	LANDSCAPING SOFTWORKS	120 days	10 days	Wed 22/1/20	Wed 20/5/20	NA	NA	600,376		76 days
602	400080	COMPLETION OF SECTION W8B	0 days		Wed 20/5/20	Wed 20/5/20	NA	NA	601		76 days
603	**400090**	**SECTION W8C**	**1138 days**		**Thu 30/6/16**	**Sun 11/8/19**	NA	NA			**155 days**
604	400100	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1203 days
605	400110	LANDSCAPING SOFTWORKS	90 days	7 days	Tue 14/5/19	Sun 11/8/19	NA	NA	403,604		155 days
606	400120	COMPLETION OF SECTION W8C	0 days		Sun 11/8/19	Sun 11/8/19	NA	NA	605		155 days
607	**400130**	**SECTION W8D**	**660 days**		**Thu 30/6/16**	**Fri 20/4/18**	NA	NA			**196 days**
608	400140	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		826 days
609	400150	LANDSCAPING SOFTWORKS	30 days	3 days	Thu 22/3/18	Fri 20/4/18	NA	NA	455,608		196 days
610	400160	COMPLETION OF SECTION W8D	0 days		Fri 20/4/18	Fri 20/4/18	NA	NA	609		196 days
611	**400170**	**SECTION W8E**	**30 days**		**Thu 30/6/16**	**Fri 29/7/16**	NA	NA			**1359 days**
612	400180	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1359 days
613	400190	LANDSCAPING SOFTWORKS	30 days	3 days	Thu 30/6/16	Fri 29/7/16	NA	NA	612		1359 days
614	400200	COMPLETION OF SECTION W8E	0 days		Fri 29/7/16	Fri 29/7/16	NA	NA	613		1359 days
615	**400210**	**SECTION W8F**	**744 days**		**Thu 30/6/16**	**Fri 13/7/18**	NA	NA			**244 days**
616	400220	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		958 days
617	400230	LANDSCAPING SOFTWORKS	30 days	3 days	Thu 14/6/18	Fri 13/7/18	NA	NA	616,518		244 days
618	400240	COMPLETION OF SECTION W8F	0 days		Fri 13/7/18	Fri 13/7/18	NA	NA	617		244 days
619	**400250**	**SECTION W8G**	**90 days**		**Tue 7/3/17**	**Sun 4/6/17**	NA	NA			**987 days**
620	***400260***	***INSTRUCTION TO EXECISE***	***0 days***		***Tue 7/3/17***	***Tue 7/3/17***	NA	NA	***53SS***		***987 days***
621	400270	LANDSCAPING SOFTWORKS	90 days	7 days	Tue 7/3/17	Sun 4/6/17	NA	NA	620		987 days
622	400280	COMPLETION OF SECTION W8G	0 days		Sun 4/6/17	Sun 4/6/17	NA	NA	621		987 days
623	**400290**	**SECTION W9A**	**1676 days**		**Thu 30/6/16**	**Sat 30/1/21**	NA	NA			**0 days**
624	400300	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1311 days
625	400310	ESTABLISHMENT WORKS	365 days	30 days	Sat 1/2/20	Sat 30/1/21	NA	NA	598,624		0 days
626	400320	COMPLETION OF SECTION W9A	0 days		Sat 30/1/21	Sat 30/1/21	NA	NA	625		0 days
627	**400330**	**SECTION W9B**	**1907 days**		**Thu 30/6/16**	**Sat 18/9/21**	NA	NA			**0 days**
628	400340	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1542 days
629	400350	ESTABLISHMENT WORKS	365 days	30 days	Sat 19/9/20	Sat 18/9/21	NA	NA	628,626FF+231 days,634FF+249 days		0 days
630	400360	COMPLETION OF SECTION W9B	0 days		Sat 18/9/21	Sat 18/9/21	NA	NA	629		0 days
631	**400370**	**SECTION W9C**	**1503 days**		**Thu 30/6/16**	**Mon 10/8/20**	NA	NA			**155 days**
632	400380	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1293 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
633	400390	ESTABLISHMENT WORKS	365 days	30 days	Mon 12/8/19	Mon 10/8/20	NA	NA	606,632		155 days
634	400400	COMPLETION OF SECTION W9C	0 days		Mon 10/8/20	Mon 10/8/20	NA	NA	633		155 days
635	**400410**	**SECTION W9D**	**1025 days**		**Thu 30/6/16**	**Sat 20/4/19**	NA	NA			**196 days**
636	400420	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		856 days
637	400430	ESTABLISHMENT WORKS	365 days	30 days	Sat 21/4/18	Sat 20/4/19	NA	NA	610,636		196 days
638	400440	COMPLETION OF SECTION W9D	0 days		Sat 20/4/19	Sat 20/4/19	NA	NA	637		196 days
639	**400450**	**SECTION W9E**	**395 days**		**Thu 30/6/16**	**Sat 29/7/17**	NA	NA			**1359 days**
640	400460	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1389 days
641	400470	ESTABLISHMENT WORKS	365 days	30 days	Sat 30/7/16	Sat 29/7/17	NA	NA	614,640		1359 days
642	400480	COMPLETION OF SECTION W9E	0 days		Sat 29/7/17	Sat 29/7/17	NA	NA	641		1359 days
643	**400490**	**SECTION W9F**	**1109 days**		**Thu 30/6/16**	**Sat 13/7/19**	NA	NA			**244 days**
644	400500	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		988 days
645	400510	ESTABLISHMENT WORKS	365 days	30 days	Sat 14/7/18	Sat 13/7/19	NA	NA	618,644		244 days
646	400520	COMPLETION OF SECTION W9F	0 days		Sat 13/7/19	Sat 13/7/19	NA	NA	645		244 days
647	**400530**	**SECTION W9G**	**455 days**		**Tue 7/3/17**	**Mon 4/6/18**	NA	NA			**987 days**
648	***400540***	***INSTRUCTION TO EXECISE***	***0 days***		***Tue 7/3/17***	***Tue 7/3/17***	NA	NA	***53SS***		***1077 days***
649	400550	ESTABLISHMENT WORKS	365 days	30 days	Mon 5/6/17	Mon 4/6/18	NA	NA	622,648		987 days
650	400560	COMPLETION OF SECTION W8A	0 days		Mon 4/6/18	Mon 4/6/18	NA	NA	649		987 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 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

Test Report No.:	30294
Date of Issue:	2018-11-24
Date Received:	2018-11-23
Date Tested:	2018-11-23
Date Completed:	2018-11-24
Next Due Date:	2019-11-23

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.	: 23851
Equipment No.	: N-08-12

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
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.:	30293
Date of Issue:	2018-11-24
Date Received:	2018-11-23
Date Tested:	2018-11-23
Date Completed:	2018-11-24
Next Due Date:	2019-11-23

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

Certificate of Calibration

Item for calibration:

Description	: 'SVANTEK' Integrating Sound Level Meter
Manufacturer	: SVANTEK
Model No.	: SVAN 957
Serial No.	: 23852
Microphone No.	: 43690
Equipment No.	: N-08-11

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
Laboratory Manager

WELLAB 匯力 Testing & Research

WELLAB LIMITED
Rms 816, 1516 & 1701, 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/181221/1
Date of Issue:	2018-12-21
Date Received:	2018-12-19
Date Tested:	2018-12-19
Date Completed:	2018-12-21
Next Due Date:	2019-12-20

ATTN: **Mr. Henry Leung**

Page: 1 of 1

Certificate of Calibration

Item for calibration:

Description	: 'SVANTEK' Integrating Sound Level Meter
Manufacturer	: SVANTEK
Model No.	: SVAN 959
Serial No.	: 11275
Microphone No.	: 86553
Equipment No.	: N-08-01

Test conditions:

Room Temperatre	: 22 degree Celsius
Relative Humidity	: 55%

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 94.0 SPL	94.0	94.0 ± 0.1dB
At 114.0 SPL	114.0	114.0 ± 0.1dB

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

Patrick Tse

PATRICK TSE
Laboratory Manager

WELLAB LIMITED
Rms 816, 1516 & 1701, 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/171213/2
Date of Issue:	2018-12-13
Date Received:	2018-12-12
Date Tested:	2018-12-12
Date Completed:	2018-12-13
Next Due Date:	2019-12-12
Page:	1 of 1

Certificate of Calibration

Item for calibration:

Description	: 'SVANTEK' Integrating Sound Level Meter
Manufacturer	: SVANTEK
Model No.	: SVAN 979
Serial No.	: 27190
Microphone No.	: 167465
Equipment No.	: SN-01-02

Test conditions:

Room Temperatre	: 22 degree Celsius
Relative Humidity	: 58 %

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 94.0 SPL	94.0	94.0 ± 0.1dB
At 114.0 SPL	114.0	114.0 ± 0.1dB

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.:	30289
Date of Issue:	2018-11-04
Date Received:	2018-11-03
Date Tested:	2018-11-03
Date Completed:	2018-11-04
Next Due Date:	2019-11-03
Page:	1 of 1

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

Item for calibration:

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

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

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.:	29817A
Date of Issue:	2018-09-29
Date Received:	2018-09-28
Date Tested:	2018-09-28
Date Completed:	2018-09-29
Next Due Date:	2019-09-28
Page:	1 of 1

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

Item for calibration:

Description	: Acoustical Calibrator
Manufacturer	: SVANTEK
Model No.	: SV30A
Serial No.	: 10965
Equipment No.	: N-09-02

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 (March 2019)

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

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

Agreement No. CE 67/2015 (HY)
Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction
Tentative Impact Noise Monitoring Schedule (April 2019)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1-Apr	2-Apr	3-Apr	4-Apr	**5-Apr**	6-Apr
		Noise				
7-Apr	8-Apr	9-Apr	10-Apr	11-Apr	12-Apr	13-Apr
		Noise				
14-Apr	15-Apr	16-Apr	17-Apr	18-Apr	**19-Apr**	**20-Apr**
		Noise				
21-Apr	**22-Apr**	23-Apr	24-Apr	25-Apr	26-Apr	27-Apr
		Noise				
28-Apr	29-Apr	30-Apr	1-May	2-May	3-May	4-May
		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}
5-Mar-19	14:30	Cloudy	62.5	64.6	59.0	62.2	50.7
12-Mar-19	14:30	Sunny	55.3	57.8	50.7		55.3 measured ≦ Baseline
19-Mar-19	13:00	Sunny	61.9	65.2	58.8		61.9 measured ≦ Baseline
26-Mar-19	13:00	Sunny	62.1	65.1	58.2		62.1 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}
5-Mar-19	15:15	Cloudy	61.9	57.7	52.1	55.2	60.9
12-Mar-19	15:15	Sunny	49.8	51.5	46.6		49.8 measured ≦ Baseline
19-Mar-19	13:45	Sunny	56.1	59.5	52.7		48.8
26-Mar-19	10:59	Sunny	56.5	57.9	54.1		50.6

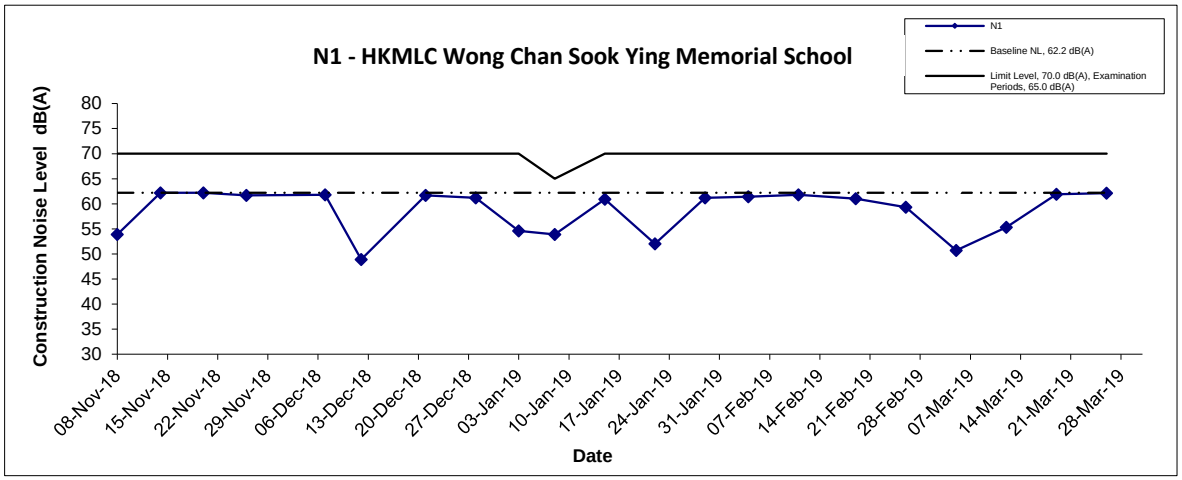
Location N3 - No.159 Mai Po San Tsuen							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}
5-Mar-19	13:00	Sunny	73.2	77.4	61.5	68.8	71.2
12-Mar-19	13:00	Cloudy	72.6	76.0	69.2		70.3
19-Mar-19	15:00	Sunny	71.8	73.6	66.7		68.8
26-Mar-19	11:30	Sunny	70.4	72.5	66.8		65.3

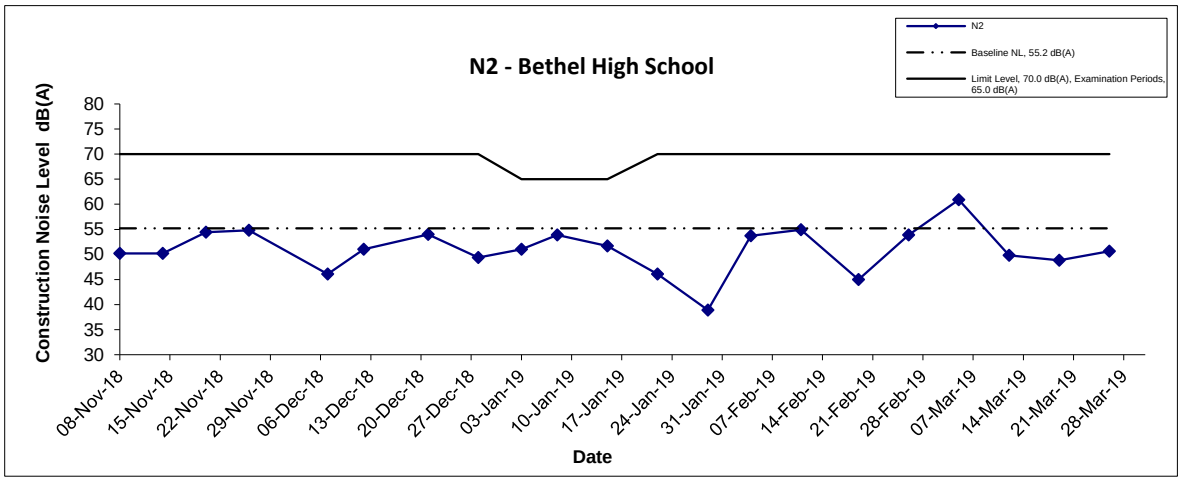
Location N5 - Block 2, Dills Corner Garden							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}
5-Mar-19	13:45	Sunny	70.3	76.5	62.9	70.7	70.3 measured ≦ Baseline
12-Mar-19	14:00	Cloudy	71.7	75.9	64.3		64.8
19-Mar-19	16:00	Sunny	67.3	70.2	65.1		67.3 measured ≦ Baseline
26-Mar-19	14:00	Sunny	71.5	74.9	63.6		63.8

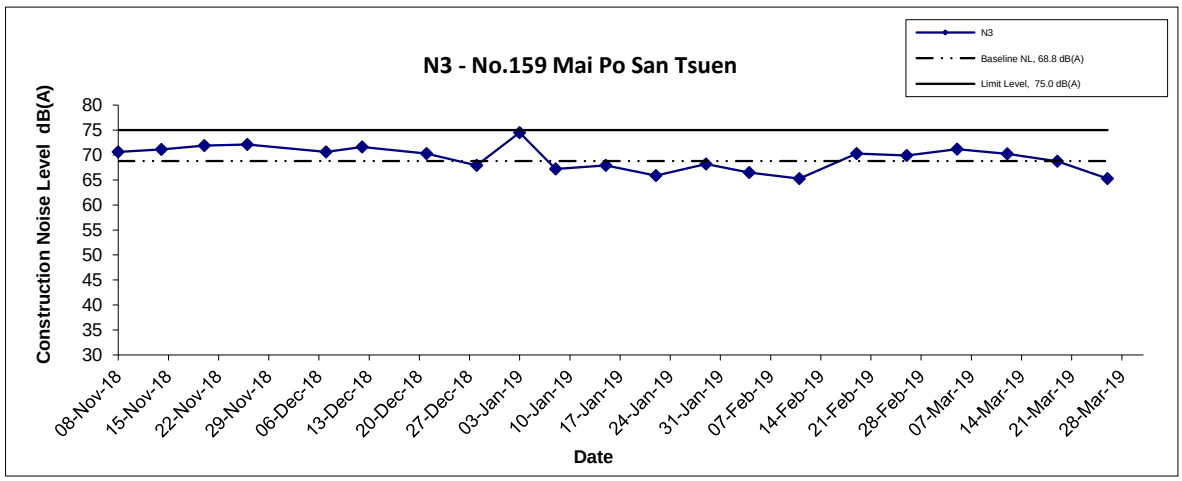
Location N6 - Home of Loving Faithfulness							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	L_{eq}	L_{eq}
5-Mar-19	15:15	Sunny	65.9	68.6	61.6	72.0	65.9 measured ≦ Baseline
12-Mar-19	15:00	Cloudy	70.1	72.3	69.2		70.1 measured ≦ Baseline
19-Mar-19	16:45	Sunny	73.1	75.8	69.5		66.6
26-Mar-19	14:00	Sunny	72.0	73.7	69.7		72 measured ≦ Baseline

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}
5-Mar-19	14:30	Sunny	69.6	71.5	62.1	70.7	69.6 measured ≦ Baseline
12-Mar-19	15:45	Cloudy	69.7	71.2	63.5		69.7 measured ≦ Baseline
19-Mar-19	17:25	Sunny	73.5	76.1	69.2		70.3
26-Mar-19	13:00	Sunny	72.5	75.1	66.0		67.8

Noise Levels

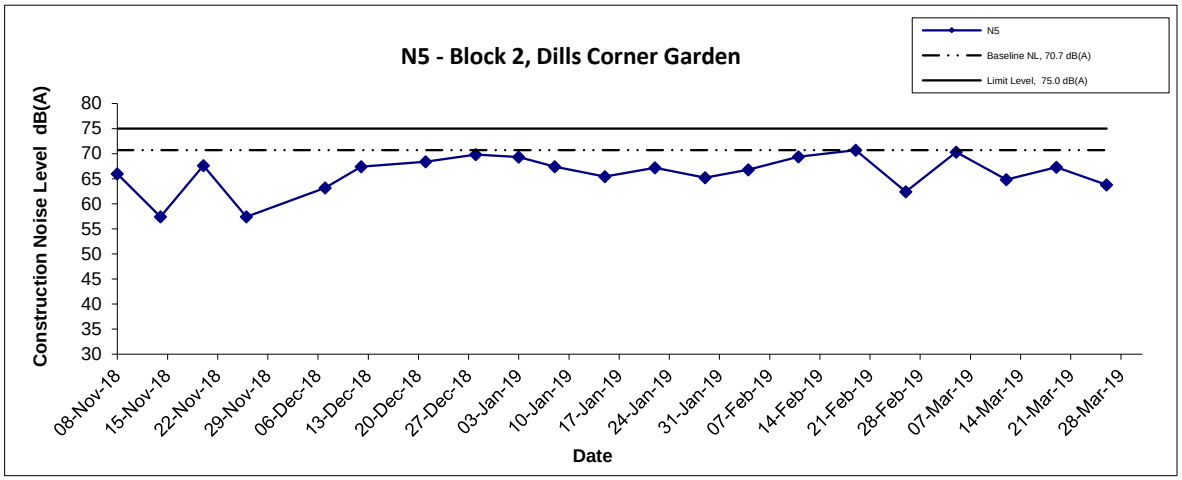


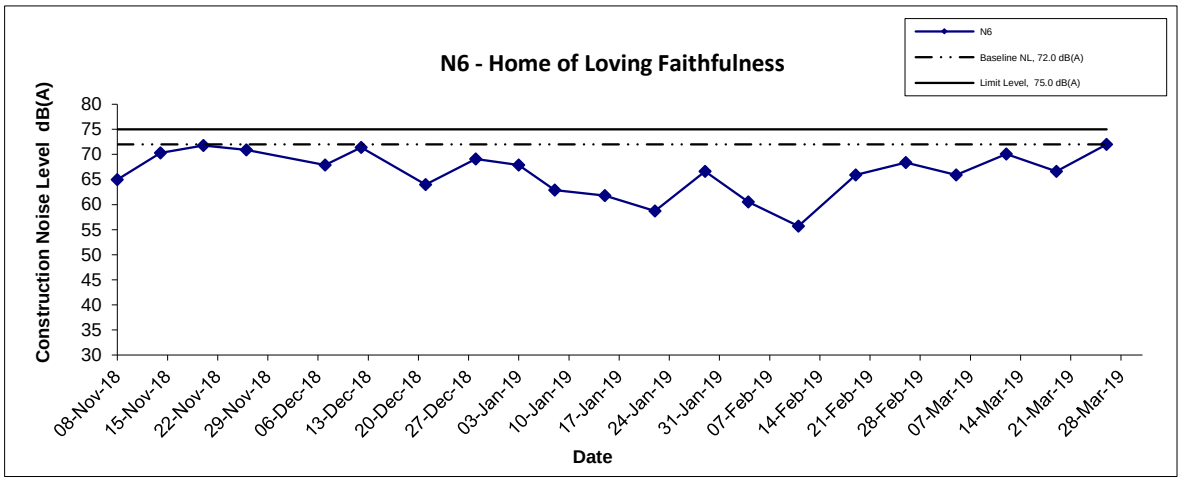


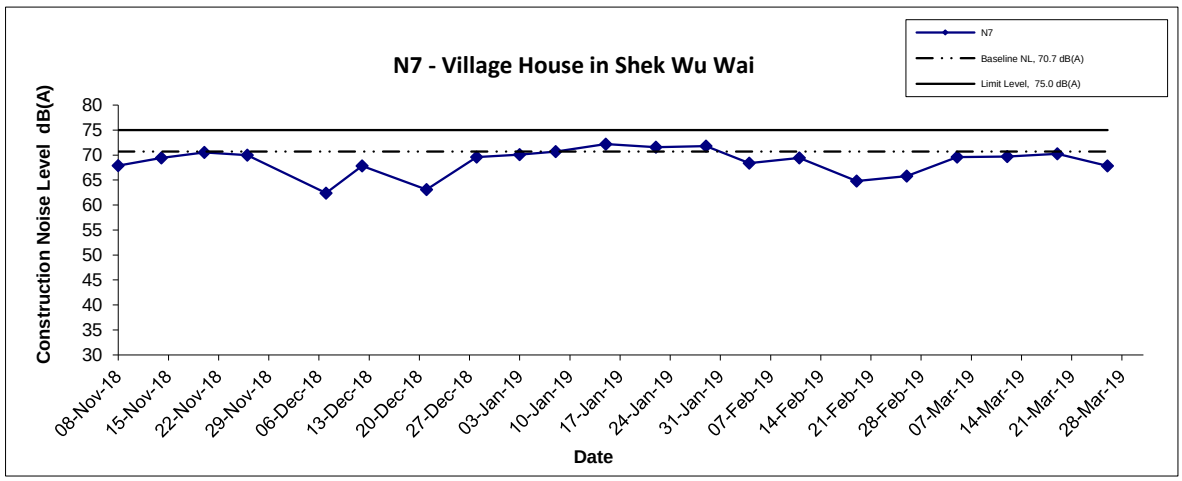


Title	Agreement No. CE 67/2015 (HY) Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S Date Mar-19	Project No. MA16036 Appendix E	CINOTECH

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 Mar-19	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	190306
Date	6 March 2019 (Wednesday)
Time	09:45 – 12:00

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

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
190220-R1	• At Portion D, standing water should be avoided.	B8
190306-O1	• Sediment control measures should be inspected and maintained after rain storms at Portion D. Accumulation of rain water should be avoided.	B11
	C. Air Quality	
190122-R1	• At Portion J, mitigation measure for dust suppressing (e.g. watering) should be implemented at entrance area. Water should be collected and passed through sedimentation tank before discharge.	C3
190122-R3	• At Portion A, mitigation measure for dust suppressing (e.g. watering) should be implemented at exposed area and public road.	C3
	D. Construction Noise Impact	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
190214-R1	• At Portion M, rubbish pile under the bridge E should be removed.	E1
190306-F2	• Clear the oil stains as chemical waste at WA3.	E8
190306-R1	• Rubbish pile and construction waste should be removed at Subway A.	E1,E4
	F. Ecology and Fisheries	
	No environmental deficiency was identified during site inspection.	
	G. Landscape & Visual	
190306-F1	• To set up a proper tree protection zone at WA3.	G1, G2
190306-R2	• Existing trees should be protected and maintained carefully and set up a proper tree protection zone at Subway A.	G2
	H. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	I. Others	
	Follow up on the previous session (Ref. No: 190227), follow up actions are needed to be reviewed for item 190122-R1& R3, 190214-R1, 190220-R1 and 190306-F1& F2. Item 190130-R3 is rectified.	

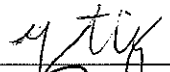
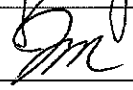
	Name	Signature	Date
Recorded by	Mr. Eric Yan		6 March 2019
Checked by	Miss. Jennifer Mok		6 March 2019

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	190314
Date	14 March 2019 (Thursday)
Time	09:45 – 12:00

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	
190122-R3	• At Portion A, mitigation measure for dust suppressing (e.g. watering) should be implemented at exposed area and public road.	C3
190314-R1	• The haul road should be watered regularly at Potion M.	C5
	D. Construction Noise Impact	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
190214-R1	• At Portion M, rubbish pile under the bridge E should be removed.	E1
190314-F2	• Clear the oil stains as chemical waste at WA3.	E8
190306-R1	• Rubbish pile and construction waste should be removed at Subway A.	E1,E4
	F. Ecology and Fisheries	
	No environmental deficiency was identified during site inspection.	
	G. Landscape & Visual	
190314-F1	• To set up a proper tree protection zone at WA3.	G1, G2
190306-R2	• Existing trees should be protected and maintained carefully and set up a proper tree protection zone at Subway A.	G2
	H. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	I. Others	
	Follow up on the previous session (Ref. No: 190306), follow up actions are needed to be reviewed for item 190122-R3, 190214-R1, 190306-R1& R2 and 190314-F1& F2. Item190122-R1, 190220-R1, 190306-O1 is rectified.	

	Name	Signature	Date
Recorded by	Mr. Eric Yan		14 March 2019
Checked by	Miss. Jennifer Mok		14 March 2019

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	190320
Date	20 March 2019 (Thursday)
Time	09:45 – 12:00

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

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
190320-R3	• Standing water should be avoided at Portion D. Water pump should be switched on during operation hour.	B8
190320-R4	• At Portion D, u-channel should be kept clean to ensure water flow direction.	B4
	C. Air Quality	
190122-R3	• At Portion A, mitigation measure for dust suppressing (e.g. watering) should be implemented at exposed area and public road.	C3
190314-R1	• The haul road should be watered regularly at Potion M.	C5
	D. Construction Noise Impact	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
190320-R1	• Contractor is reminded to store chemicals properly at Subway A and Portion B, e.g. provide drip tray and label containers.	E2
190320-R2	• Contractor is reminded to store chemicals properly at Portion D, e.g. provide drip tray and label containers.	E2
190320-F2	• Clear the oil stains as chemical waste at WA3.	E8
	F. Ecology and Fisheries	
	No environmental deficiency was identified during site inspection.	
	G. Landscape & Visual	
190320-F1	• To set up a proper tree protection zone at WA3.	G1, G2
190306-R2	• Existing trees should be protected and maintained carefully and set up a proper tree protection zone at Subway A.	G2
	H. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	I. Others	
	Follow up on the previous session (Ref. No: 190314), follow up actions are needed to be reviewed for item 190122-R3, 190306-R2 and 190320-F1& F2. Item 190214-R1 and 190306-R1 are rectified.	

	Name	Signature	Date
Recorded by	Miss. Jennifer Mok		20 March 2019
Checked by	Mr. KS Lee		20 March 2019

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

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

Weekly Site Inspection Record Summary
Inspection Information

Checklist Reference Number	190327
Date	27 March 2019 (Wednesday)
Time	09:45 – 12:00

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

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
190320-R3	• Standing water should be avoided at Portion D. Water pump should be switched on during operation hour.	B8
190320-R4	• At Portion D, u-channel should be kept clean to ensure water flow direction.	B4
	C. Air Quality	
190122-R3	• At Portion A, mitigation measure for dust suppressing (e.g. watering) should be implemented at exposed area and public road.	C3
190314-R1	• The haul road should be watered regularly at Portion M.	C5
190327-R1	• The haul road should be watered regularly to avoid dust generation at Subway A.	C5
190327-R2	• The excavated dusty materials or stockpile of dusty materials should covered by impervious materials at Portion B.	C7
	D. Construction Noise Impact	
	No environmental deficiency was identified during site inspection.	
	E. Waste / Chemical Management	
190320-R1	• Contractor is reminded to store chemicals properly at Subway A and Portion B, e.g. provide drip tray and label containers.	E2
190320-R2	• Contractor is reminded to store chemicals properly at Portion D, e.g. provide drip tray and label containers.	E2
190327-F2	• Clear the oil stains as chemical waste at WA3.	E8
	F. Ecology and Fisheries	
	No environmental deficiency was identified during site inspection.	
	G. Landscape & Visual	
190327-F1	• To set up a proper tree protection zone at WA3.	G1, G2
190306-R2	• Existing trees should be protected and maintained carefully and set up a proper tree protection zone at Subway A.	G2
	H. Permits/Licences	
	No environmental deficiency was identified during site inspection.	
	I. Others	
	Follow up on the previous session (Ref. No: 190320), follow up actions are needed to be reviewed for item 190122-R3, 190306-R2, 190314-R1, 190320-R1, R2, R3 & R4 and 190327-F1& F2. No environmental deficiency is improved/rectified during the environmental site inspection.	

	Name	Signature	Date
Recorded by	Mr. Eric Yan		27 March 2019
Checked by	Ms. Jennifer Mok		27 March 2019

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 CHMP5+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. 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.	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
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 contaminated water requiring disposal and suspended solids in the wastewater stream	N/A

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
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; 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	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
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 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	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
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 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 – Record of environmental complaint, warning, summon and notification of successful prosecution

Reporting Month: March 2019

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
1	Pok Wai South Road	8th November 2018	The complaint is filed against extensive dusty stockpile being placed at the works site of Pok Wai South Road (Portion A), causing dust nuisance and affecting the passer-by and residents.	• Cover all the stockpile when stockpiling works was not being conducted; • Arrange on-site personnel to wash the wheels of the vehicles immediately before they leave the site area; and • Increase the frequency of water spraying on the stockpiles to dampen the dusty surface.	CIR was submitted in December
2	Mai Po San Tsuen (Portion D)	20th December 2018	The complaint is filed against extensive dust nuisance by construction activities generated sand and dust, and may have caused the nearby village roads to look dusty and unclean.	• Increase the frequency of water spraying on the paved roads to minimize the dust generation; and • Cover the temporary cut slopes by tarpaulin before any excavation works commence.	CIR was submitted in December
3	Mai Po San Tsuen (Portion D)	21st December 2018	The complaint is filed against site effluent being pumped and discharge into the nearby surface channel from the same construction site.	• Cover the temporary cut slopes by tarpaulin before any excavation works commence. • Clean the water in the channel and all broken covers are replaced by new decking covers • 3 weirs have been installed at the downstream • Use of sedimentation tank prior to discharge • New cut-off plate next to the channel will be raised 200mm to prevent potential run-off • A filter with aggregate is placed at the side channel	CIR was submitted in February

Agreement No. CE 67/2015 (HY)

Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works – Design and Construction

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

Log Ref.	Location	Received Date	Details of Complaint/warning/summon and prosecution	Investigation/Mitigation Action	Status
				• Water and wastewater filtration system is installed to treat the site effluent.	

Remarks: Three environmental complaints were received in the previous reporting period. No environmental complaint was received in this reporting period.

APPENDIX K
SUMMARY OF WASTE GENERATION AND DISPOSAL RECORDS

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

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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
Oct	2.99	-	-	-	2.97	-	0.01	0.01	0.01	-	0.01
Nov	4.62	-	-	-	4.61	-	0.01	0.01	0.01	-	0.01
Dec	6.49	-	-	-	6.45	-	0.01	0.01	0.01	-	0.05
Total	30.99	-	-	-	30.70	-	0.28	0.28	0.28	-	0.22
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
Total	44.985	-	-	-	44.635	0.986	1.06	1.06	1.06	-	0.66

*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 __2019__ (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	1.13	-	-	-	1.08	-	0.05	0.05	0.05	-	0.05
Feb	0.04	-	-	-	-	-	0.05	0.05	0.05	-	0.04
Mar	0.06	-	-	-	-	-	0.05	0.05	0.05	-	0.06
Sub-total	1.23	-	-	-	1.08	-	0.15	0.15	0.15	-	0.15
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sept	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
Total	46.215	-	-	-	45.715	0.986	1.21	1.21	1.21	-	0.81

*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].