

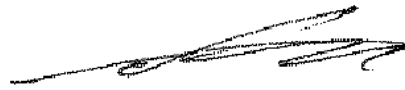
# Civil Engineering and Development Department

**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)**

**April 2021**

Approved By



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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 54<sup>th</sup> 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 April 2021.
2. During the reporting month, the major site activities undertaken in the reporting month included:
  - Portion E - Construction of Drainage pipe at Mai Po Lun Road
  - Portion I - Widening of Slip Road near Cross Boundary Shuttle Bus Station

### **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, WT00027607-2017, WT00028850-2017, WT00030236-2018, WT00034612-2019
  - 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

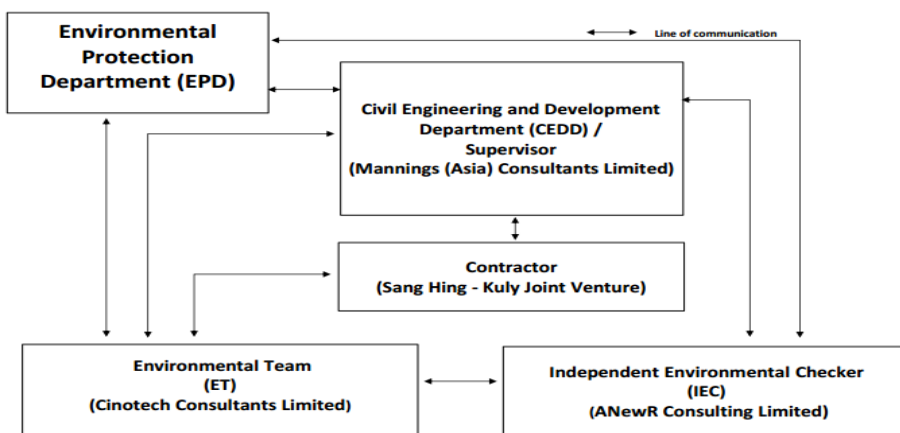
### Background

- 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 23<sup>rd</sup> November 2016. This is the 54<sup>th</sup> Monthly EM&A Report summarizing the EM&A works for the Project during April 2021.

### 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. James Choi	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 E - Construction of Drainage pipe at Mai Po Lun Road
- Portion I - Widening of Slip Road near Cross Boundary Shuttle Bus Station



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	<ul style="list-style-type: none"> <li>• Sufficient watering of the works site with active dust emitting activities</li> <li>• Properly cover the stockpiles</li> <li>• On-site waste sorting and implementation of trip ticket system</li> <li>• Appropriate desilting/sedimentation devices provided on site for treatment with valid Discharge License before discharge</li> <li>• Well maintain the drainage system to prevent the spillage of wastewater during heavy rainfall</li> <li>• Use of quiet plant and well-maintained construction plant</li> <li>• Provide movable noise barrier</li> <li>• Proper wheel washing for construction vehicles before leaving the site</li> <li>• Provide sufficient mitigation measures as recommended in Approved EM&amp;A Manual/Lease requirement</li> </ul>

### 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 April 2021.

## **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** show the locations of these stations.

**Table 4.1 Noise Monitoring Stations**

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

### Monitoring Equipment

- 4.4 Integrating Sound Level Meter was used for impact noise monitoring. The meters are Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level ( $L_{eq}$ ) and percentile sound pressure level ( $L_x$ ) that also complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications.
- 4.5 Acoustic Calibrator was used to check the accuracy of the sound level meter. The calibrators generate a continuous and highly stable sound pressure level at known frequency of 1 kHz that also complied with IEC 942: 1988 Class 1 specifications. **Table 4.2** summarizes the noise monitoring equipment in reporting period. Copies of calibration certificates are provided in **Appendix C**.

**Table 4.2 Noise Monitoring Equipment**

Equipment	Model No.	Qty.
Integrating Sound Level Meter/ Sound & Vibration Analyser	BSWA 308	1
Acoustic Calibrator	ST-120	1

## Monitoring Parameters and Frequency

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

**Table 4.3 Frequency and Parameters of Noise Monitoring**

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

## Monitoring Methodology and QA/QC Procedures

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

## Maintenance and Calibration

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

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

### Results and Observations

- 4.11 All construction noise monitoring were conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. The summary of exceedance record in the reporting month is shown in **Appendix F**.
- 4.12 The baseline noise level and the Noise Limit Level at each designated noise monitoring stations are presented in **Table 4.5**.
- 4.13 Noise monitoring results and graphical presentations are shown in **Appendix E**.
- 4.14 The other noise sources identified which might affect the noise monitoring results at the designated noise monitoring stations are as follows:

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

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

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

Station	Baseline Noise Level, dB (A)	Noise Limit Level, dB (A)
N1	62.2 (at 0700 – 1900 hrs on normal weekdays)	70* (at 0700 – 1900 hrs on normal weekdays)
N2	55.2 (at 0700 – 1900 hrs on normal weekdays)	
N3	68.8 (at 0700 – 1900 hrs on normal weekdays)	75 (at 0700 – 1900 hrs on normal weekdays)
N5	70.7 (at 0700 – 1900 hrs on normal weekdays)	75 (at 0700 – 1900 hrs on normal weekdays)
N6	72.0 (at 0700 – 1900 hrs on normal weekdays)	75 (at 0700 – 1900 hrs on normal weekdays)
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 (April 2021), $L_{eq}$ (30min) dB(A)
N1 - HKMLC Wong Chan Sook Ying Memorial School	55-62	62 <sup>(1)</sup>	51.6 - 55.1
N2 – Bethel High School	57-64	64 <sup>(1)</sup>	52.4 - 54.6
N3 – No. 159 Mai Po San Tsuen	70-73	74 <sup>(2)</sup>	65.3 - 69.0
N5 – Block 2, Dills Corner Garden	73-75	75 <sup>(2)</sup>	57.4 - 66.1
N6 – Home of Loving Faithfulness	64-73	74 <sup>(1)</sup>	70.1 - 71.2
N7 – Village House in Shek Wu Wai	N/A <sup>(3)</sup>	70 <sup>(2)</sup>	54.4 - 70.5

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, N2, N3 and N5 were lower than the range of the predicted mitigated construction noise levels in the EIA Report. The results at N6 were within the range of the predicted mitigated construction noise levels in the EIA Report. No construction noise level was predicted in the EIA Report for N7.

When comparing the noise monitoring results to the predicted mitigated worst case construction noise levels in the ERR for Stage 2 Works, the results at monitoring stations N1, 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 N7 was slightly lower 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 1, 7, 14, 21 and 28 April 2021 in the reporting month. IEC joint site inspection was conducted on 21 April 2021. No non-compliance was observed during the site audit.

### **Review of Environmental Monitoring Procedures**

- 8.3 The monitoring works conducted by the monitoring team 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		
<b>Environmental Permit (EP)</b>				
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
<b>Billing Account for Construction Waste Disposal</b>				
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
<b>Effluent Discharge License</b>				
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 the communal storm water drain	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		
WT00027509-2017	20/3/2017	31/3/2022		
WT00027603-2017	27/3/2017	31/3/2022		
WT00027508-2017	20/3/2017	31/3/2022		
WT00027605-2017	27/3/2017	31/3/2022		
WT00027607-2017	27/3/2017	31/3/2022		
WT00027834-2017	13/4/2017	30/4/2022		
WT00028748-2017	17/08/2017	31/08/2022		
WT00028850-2017	14/08/2017	31/08/2022		
WT00030236-2018	7/02/2018	28/02/2022		
WT00034612-2019	28/11/2019	31/7/2024		
<b>Registration of Chemical Waste Producer</b>				
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**

<b>Parameters</b>	<b>Date</b>	<b>Observations and Recommendations</b>	<b>Follow-up</b>
<i>Water Quality</i>	17 – 24 Mar 2021	Standing water and general refuse should be avoided at site office.	The condition was observed to be improved/rectified by the contractor during the audit session on 1 April 2021.
<i>Air Quality</i>	N/A	There was no observation in the reporting period.	N/A
<i>Noise</i>	N/A	There was no observation in the reporting period.	N/A
<i>Waste/ Chemical Management</i>	20 Jan – 1 Apr 2021	Accumulation of construction waste and general refuse should be removed at Portion B.	The condition was observed to be improved/rectified by the contractor during the audit session on 7 April 2021.
	1 – 28 Apr 2021	Drip trays should be provided to store chemicals at Portion E.	Follow up actions will be reported in the next month.
<i>Ecology and Fisheries</i>	N/A	There was no observation in the reporting period.	N/A
<i>Landscape and Visual</i>	N/A	There was no observation in the reporting period.	N/A
<i>Permits/ Licenses</i>	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:

Mainly for Defect Rectification in All portions.

### **Portion E**

1. Construction of Drainage pipe at Mai Po Lun Road

### **Portion I**

1. Widening of Slip Road near Cross Boundary Shuttle Bus Station

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., May to June 2021, are summarized as follows:

<b>Construction Works</b>	<b>Major Impact Prediction</b>	<b>Control Measures</b>
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 PME's 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 5 times of ET joint weekly environmental site inspections were conducted in the reporting month.

#### Complaint and Prosecution

- 10.4 No environmental complaint was 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 or water spraying should be implemented 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.

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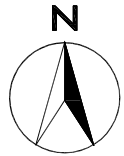
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## FIGURES

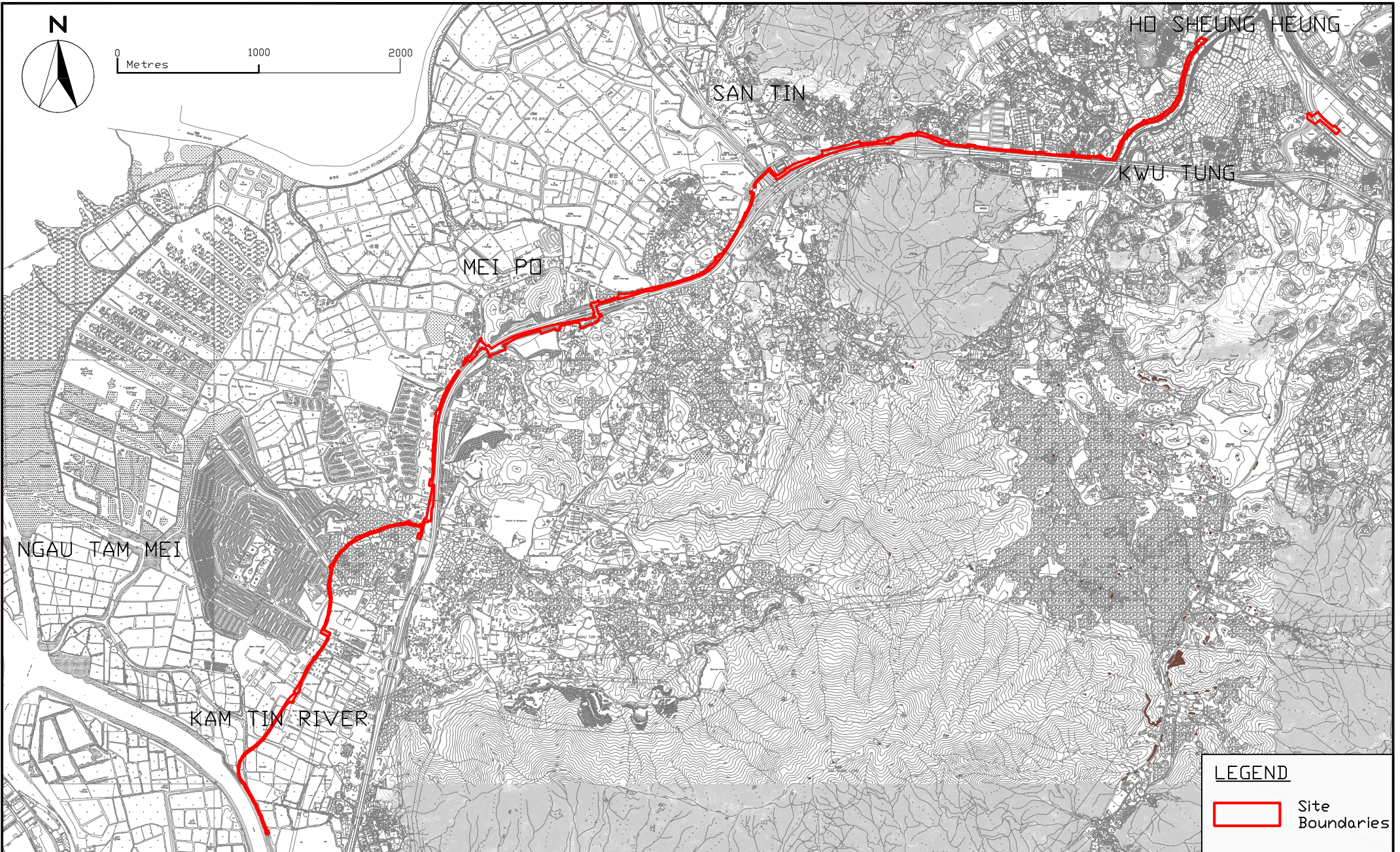
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0 Metres 1000 2000



**LEGEND**

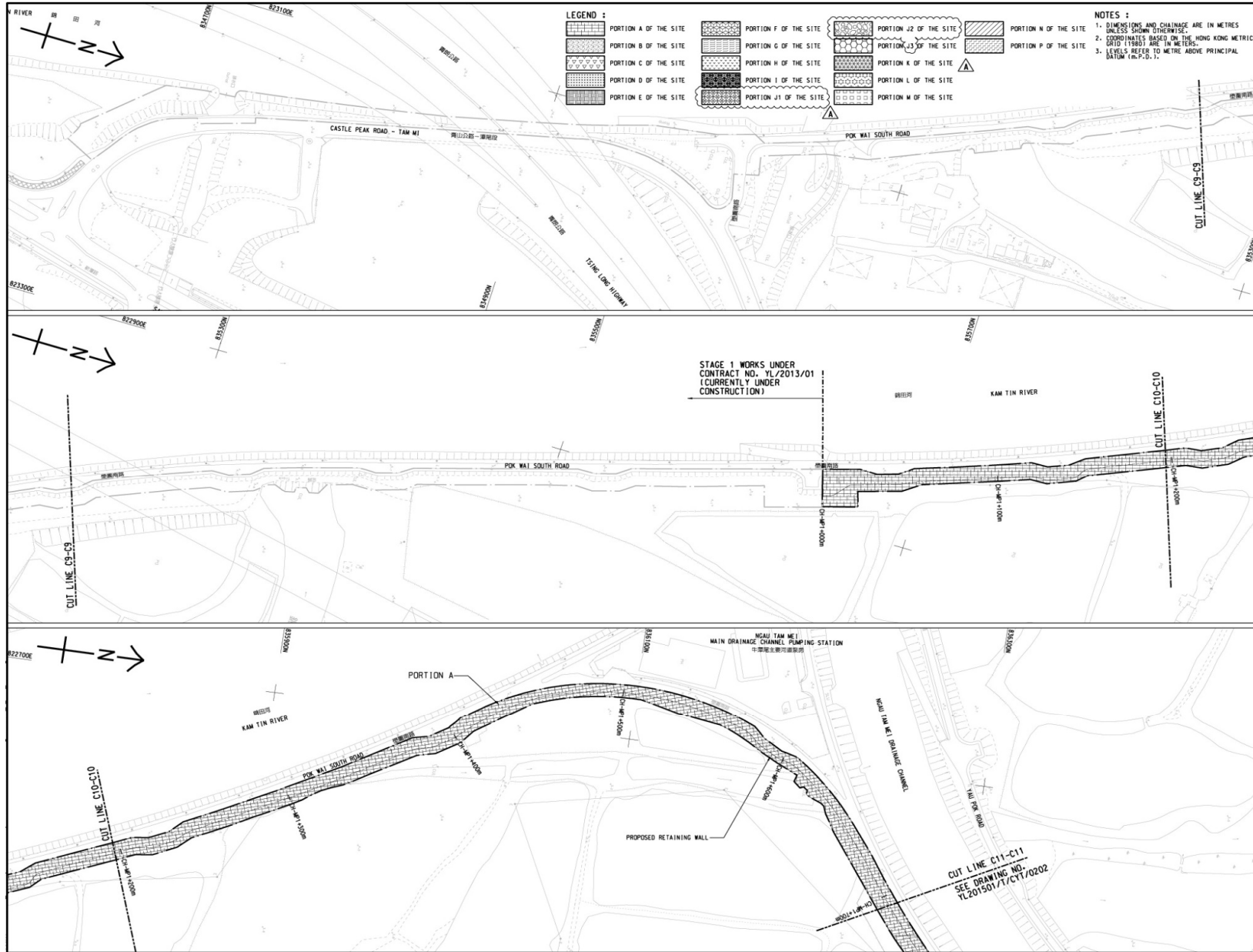
 Site Boundaries



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

**SITE LAYOUT PLAN**

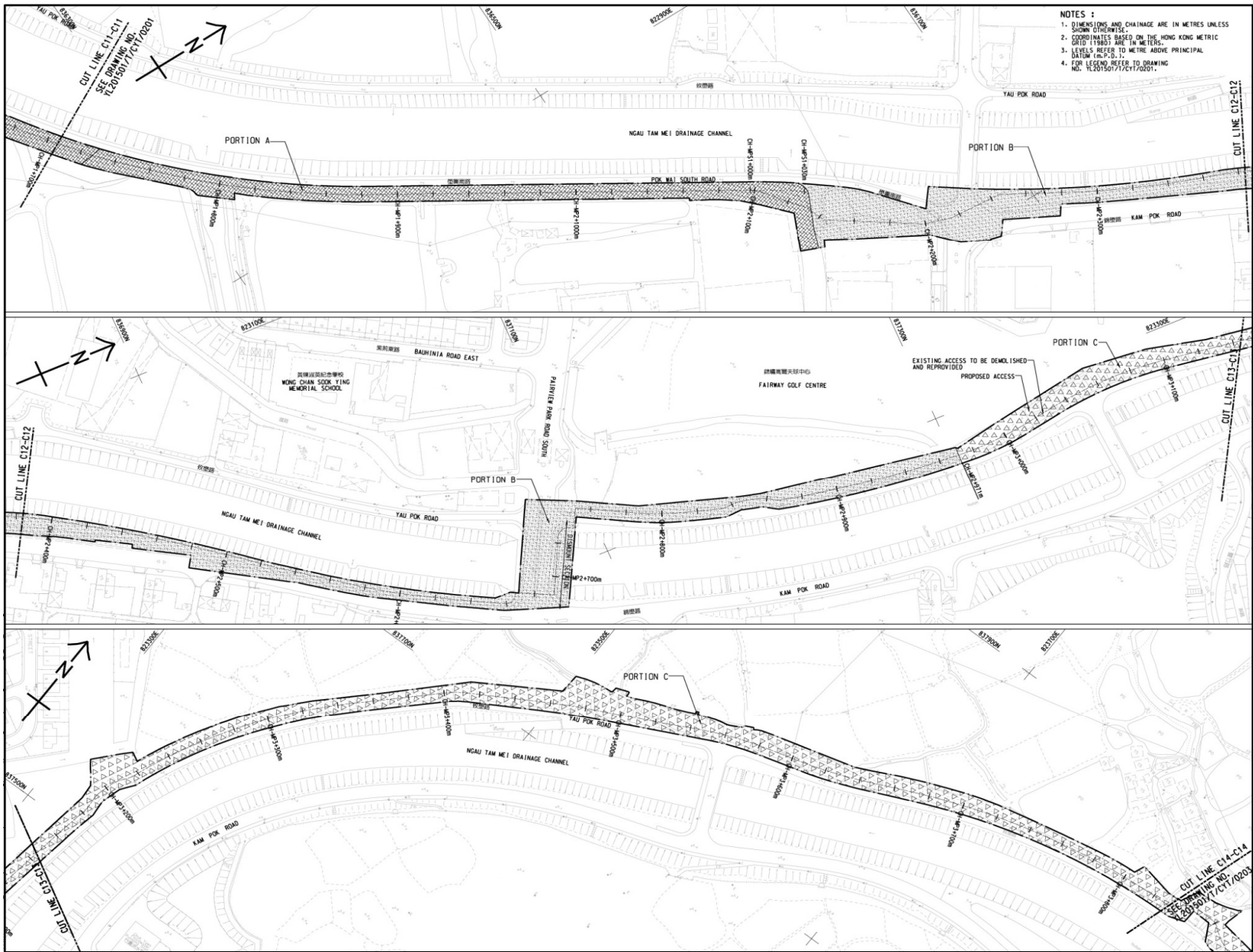
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CHECK	JL	DRAWN	VW		
JOB No.	MA16036	FIGURE NO.	1a	REV	-



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	Project No.	MA16036
Date	Dec-16	Figure	1b

**CINOTECH**

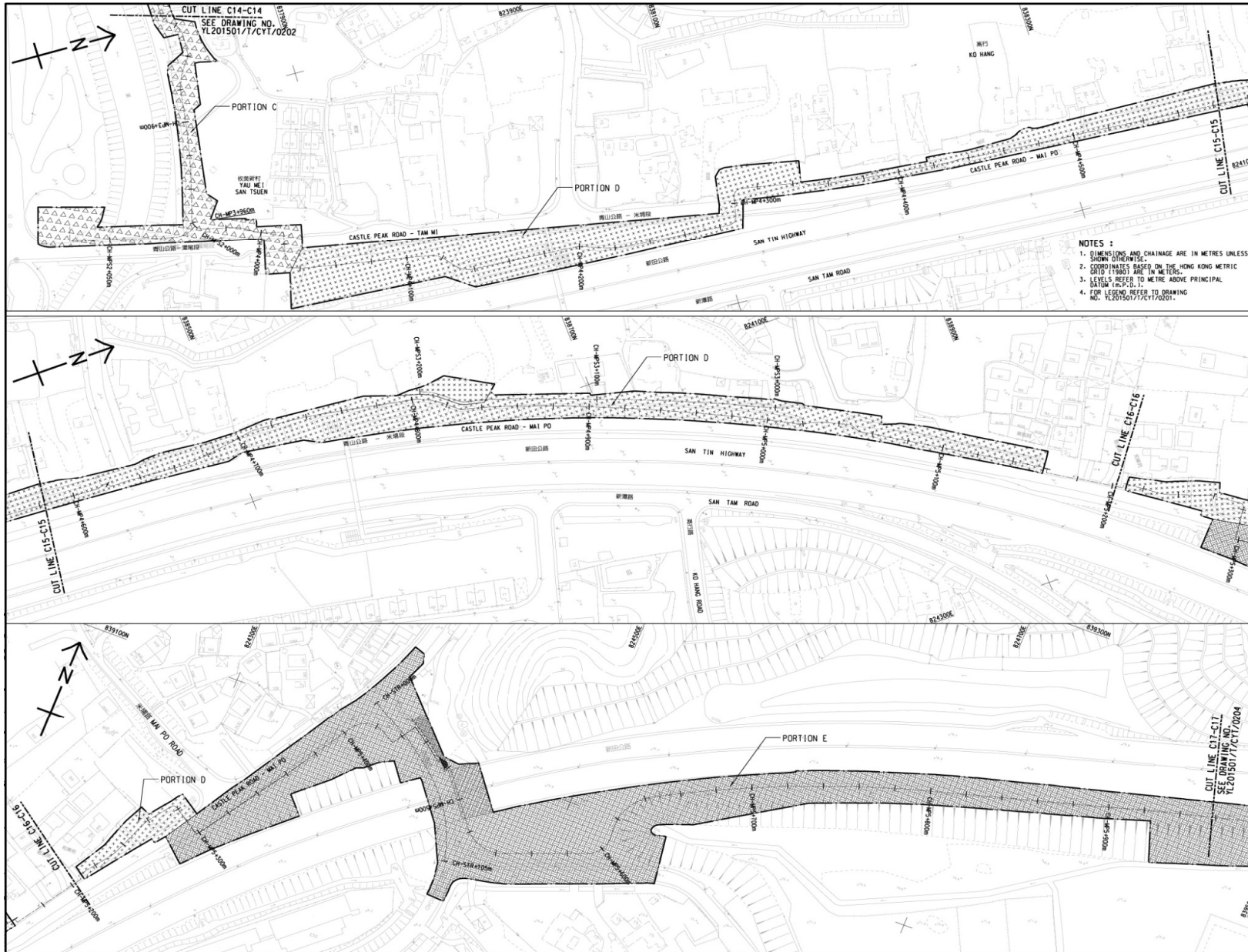


- NOTES :
1. DIMENSIONS AND CHAINAGE ARE IN METRES UNLESS SHOWN OTHERWISE.
  2. COORDINATES BASED ON THE HONG KONG METRIC GRID (1980) ARE IN METERS.
  3. LEVELS REFER TO METRIC ABOVE PRINCIPAL DATUM (m.P.D.).
  4. FOR LEGEND REFER TO DRAWING NO. 1/2015017/CT/0201.

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

Scale	N.T.S	Project No.	MA16036
Date	Dec-16	Figure	1c

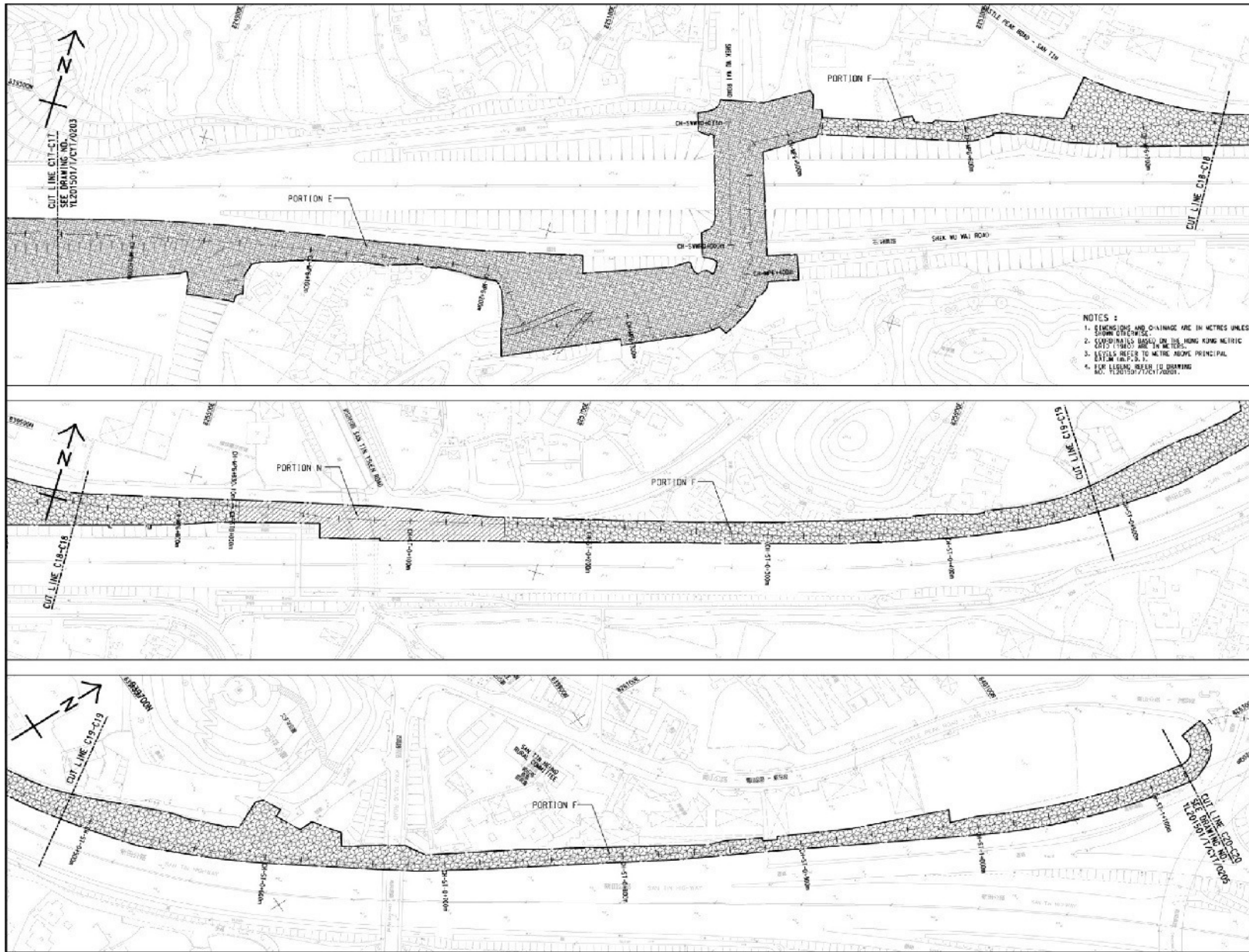




Title Agreement No. CE 67/2015(HY)  
 Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works  
 Design and Construction  
 Site Layout Plan

Scale	N.T.S	Project No.	MA16036
Date	Dec-16	Figure	1d

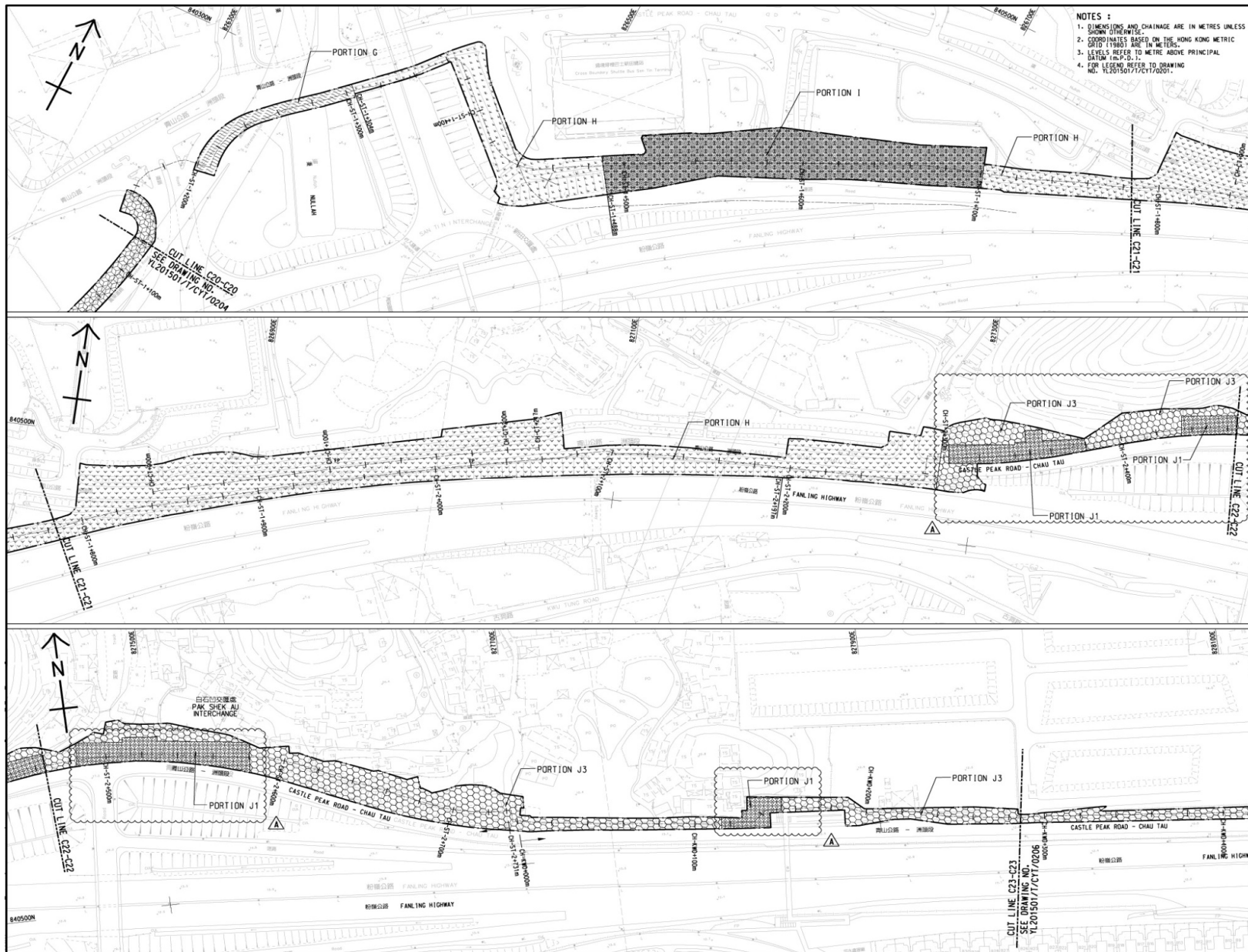
CINOTECH



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	Project No.	MA16036
Date	Dec-16	Figure	1e

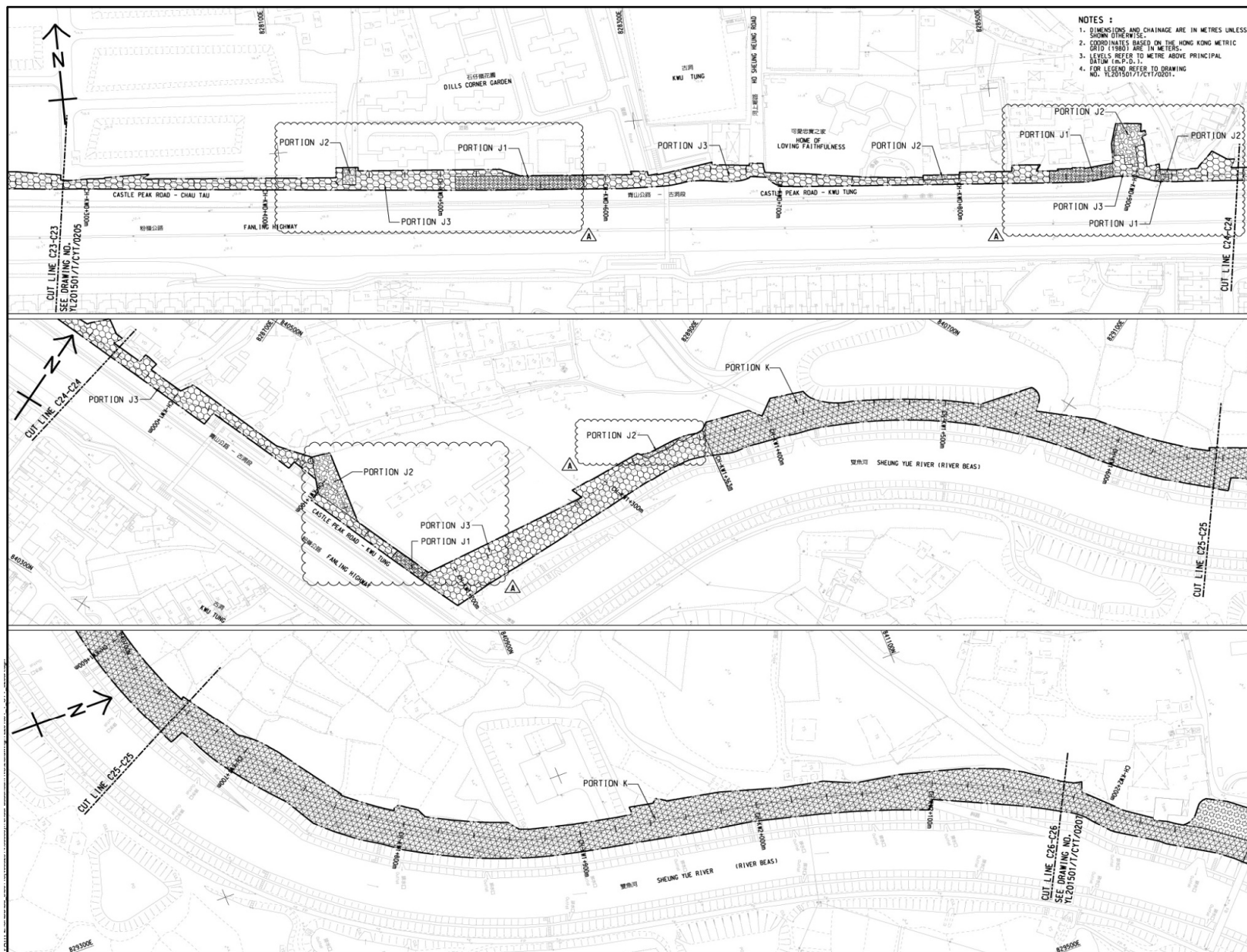




Title Agreement No. CE 67/2015(HY)  
 Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works  
 Design and Construction  
 Site Layout Plan

Scale	N.T.S	Project No.	MA16036
Date	Dec-16	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	Project No.	MA16036
Date	Dec-16	Figure	1g





Title

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



Scale	N.T.S	Project No.	MA16036
Date	Dec-16	Figure	1h







**LEGEND**

-  Site Boundary
-  Noise Monitoring Stations



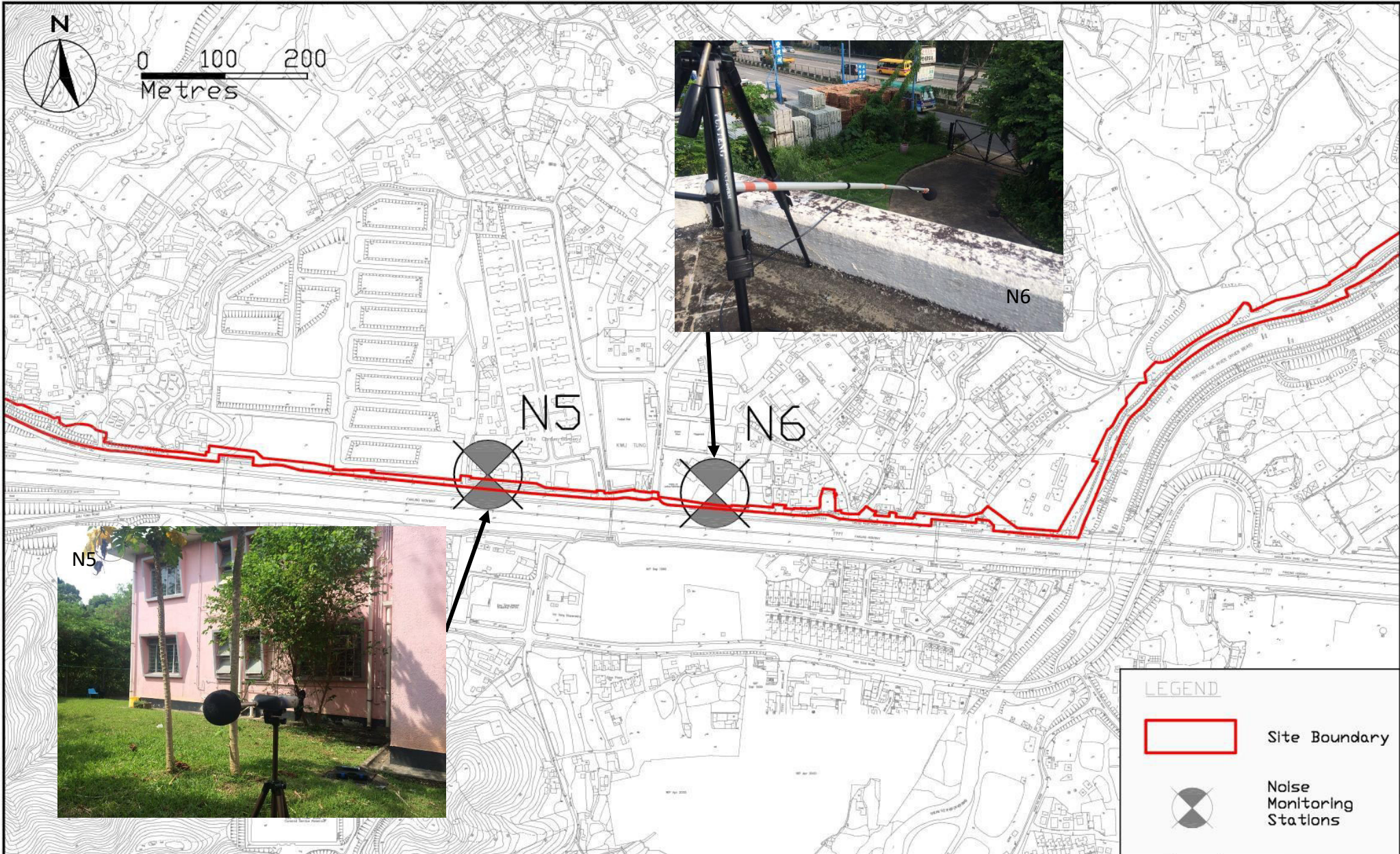
Agreement No. CE 67/2015(HY) - Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction



### Locations of the Noise Monitoring Stations (N1, N2)

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



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



LEGEND	
	Site Boundary
	Noise Monitoring Stations

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

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**APPENDIX A  
WORK PROGRAMME**

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Summary of Updating Programme upto end of June 2019

Section	Portion	Revised Completion Date	Revised Completion Date (Including with Time Saving)	Updated Programme Completion Date	Major outstanding work / critical work	Target Completion	Critical Priority	Remark	
W1	A			30/9/2019	1) Street Lighting works and Colour Dressing	30-Sep-19			
					1) Subway A Bay 12 to Bay 16	16-Oct-19			
	B		5/6/2019	7/4/2019	23/2/2020	2) GRP Roofing Approval	15-Jul-19	2nd	Assume GRP approval obtained on 15/7/19
						3) GRP Roofing Order and Delivery	15-Oct-19		
						4) GRP installation	13-Jan-20		
						5) Road work inside subway	23-Feb-20		
						5) Street Lighting works and colour Dressing	30-Sep-19		
	C			11/7/2019	1) Street Lighting works and Colour Dressing	7-Nov-19			
					2) Additional Proposed staircase, ramp at Yau Po Road	16-Oct-19			
					1) Approval of Street Lighting	30-Jun-19	1st		
2) Allocation Warrant and Installation of Street Lighting	6-Mar-20								
3) Colour Dressing	15-Apr-20								

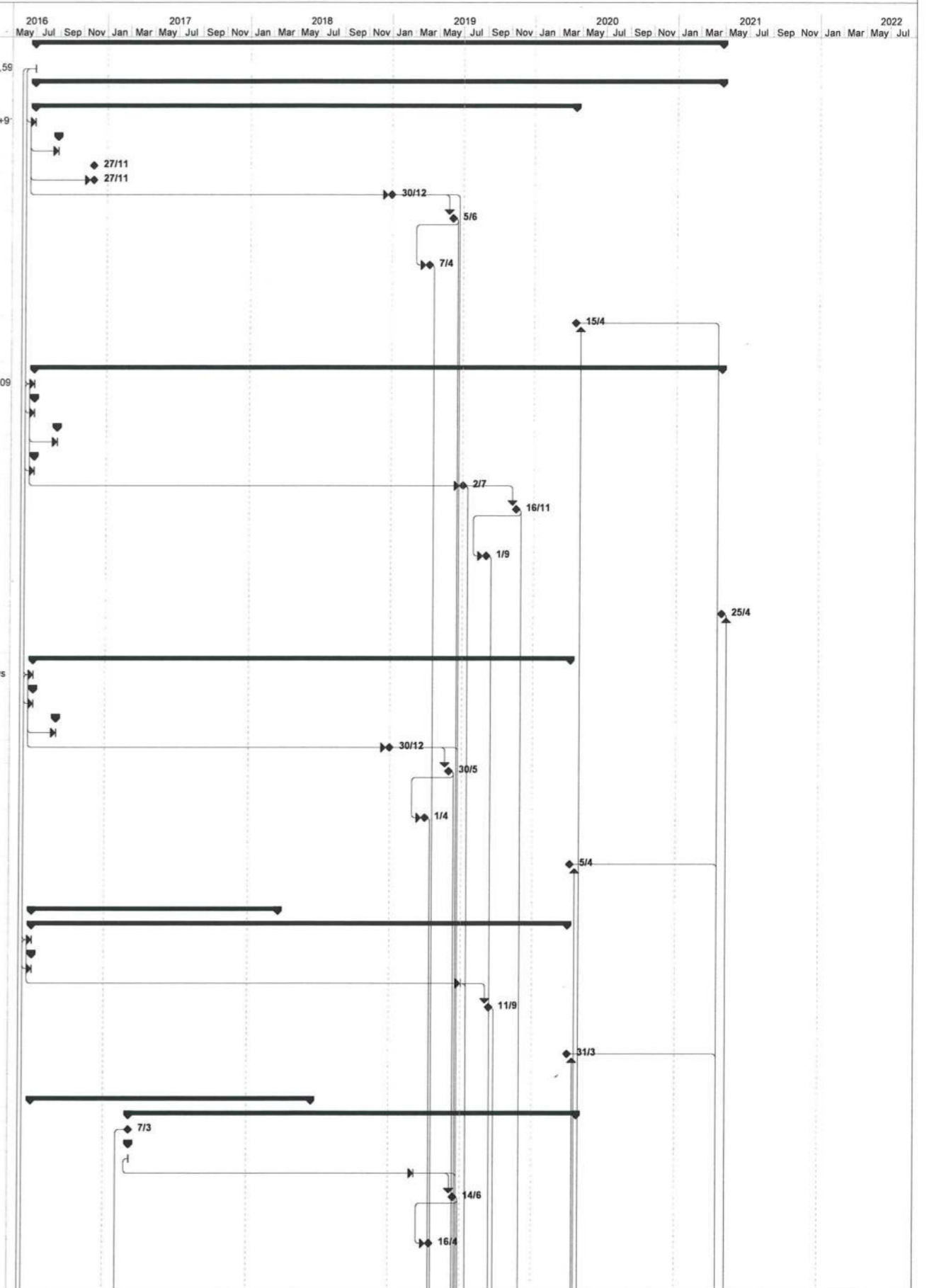
W2	E			15/4/2020	1) Retaining Wall RW D03	26-Mar-20	3rd	
					2) Approval of Street Lighting	30-Jun-19	2nd	Assume Approval given on 30 June 2019
					3) Allocation Warrant and Installation of Street Lighting	6-Mar-20		
					4) Colour Dressing	15-Apr-20		
	1) RW 42 (CSD)	30-Dec-19	3rd					
	2) RW 44 and Ramp PR3	19-Dec-19						
	F			15/4/2020	3) Approval of Street Lighting	30-Jun-19	2nd	Assume Approval given on 30 June 2019
					4) Allocation Warrant and Installation of Street Lighting	6-Mar-20		
					5) Colour Dressing	15-Apr-20		
	G			31/3/2020	1) Approval of Street Lighting	30-Jun-19	2nd	Assume Approval given on 30 June 2019
2) Allocation Warrant and Installation of Street Lighting					6-Mar-20			
3) Colour Dressing					31-Mar-20			
H		16/11/2019	1/9/2019	25/4/2021	1) Additional RW49 & RW50	10/2/2020	1st	
					2) Additional Diversion of utilities along RW49 & RW50	8/8/2020		
					3) Drainage and Gullies for re-alignment carriageway for RW49 & RW50	7/10/2020		
					4) Road Works for re-alignment of DW1 and DW2 and street lighting works	25/4/2021		
					1) Subway D E&M works	1-Nov-19		
I				13/3/2020	2) GRP Roofing Approval	15-Jul-19	2nd	Assume GRP approval obtained on 15/7/19
					3) GRP Roofing Order and Delivery	15-Oct-19		
					4) GRP installation	13-Jan-20		
					5) Road work inside subway	13-Mar-20		
					1) Bridge B - Substructure	30-Sep-19		
2) Bridge B - Superstructure	30-Nov-19							
3) Bridge B - Site formation	20-Jan-20							
N			20/3/2020	4) Approval of Street Lighting	30-Jun-19	2nd	Assume Approval given on 30 June 2019	
				5) Allocation Warrant and Installation of Street Lighting	6-Mar-20			
				6) Colour Dressing	20-Mar-20			

W3	K&J1	30/5/2019	1/4/2019	5/4/2020	1) Approval of Street Lighting	30-Jun-19	1st	Assume Approval given on 30 June 2019
					2) Allocation Warrant and Installation of Street Lighting	6-Mar-20		
					3) Colour Dressing	5-Apr-20		

W5	M	11/9/2019	11/9/2019	31/3/2020	1) Steel roofing and E&M of Bridge E	27-Dec-19	1st	Assume Approval given on 30 June 2019
					2) Approval of Street Lighting	30-Jun-19		
					3) Allocation Warrant and Installation of Street Lighting	6-Mar-20		
					4) Colour Dressing	31-Mar-20		

W7	J1,J2,J3	14/6/2019	16/4/2019	20/4/2020	1) RW48, RW24A, RW24AAA, etc	31-Dec-19	1st			
					2) Earthwork and Drainage works	29-Feb-20				
					3) Road Work (except colour dressing)	30-Mar-20				
					2) Approval of Street Lighting	30-Jun-19			2nd	Assume Approval given on 30 June 2019
					3) Allocation Warrant and Installation of Street Lighting	6-Mar-20				
4) Colour Dressing	24-Apr-20									

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Complete	Finish Slack	Successors
1	100000	CONTRACT DURATION (ALL WORKS EXCEPT LANDSCAPING AND ESTABLISHMENT)	1761 days	0 day	Thu 30/6/16	Sun 25/4/21	Thu 30/6/16	NA		99%	485 days	
2	100010	COMMENCEMENT OF CONTRACT	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16		100%	0 days	67SS,237SS,454SS,487SS,539SS,59
3	100020	ACCESS DATES AND COMPLETION DATES FOR CONTRACTS	1761 days	0 day	Thu 30/6/16	Sun 25/4/21	Thu 30/6/16	NA		99%	485 days	
4	100030	SECTION W1 (PORTION A,B,C & D)	1386 days	0 day	Thu 30/6/16	Wed 15/4/20	Thu 30/6/16	NA		99%	860 days	
5	100040	STARTING DATE OF CONTRACT	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	7SS+60 days,9SS+151 days,10SS+9
6	100050	PORTION A & C	1 day	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16		100%	0 days	
7	100060	ACCESS DATE	1 day	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	5SS+60 days	100%	0 days	
8	100070	PORTION B & D	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16		100%	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	100%	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	63FS+184 days,11FS+157 days
11	100086	SECTION W1 LATEST REVISED COMPLETION DATE UP TO THIS PROG DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Wed 5/6/19	Wed 5/6/19	NA	NA	10FS+157 days	0%	1175 days	103,192,233,150,12FS-60 days
12	100087	SECTION W1 LATEST REVISED COMPLETION DATE WITH CSD PACKAGE P3 TIME SAVINGS EFFECT OF 60 Days UP TO THIS PROG DATE (Incorporated Effect of Implementing CE & CSD P3 Effect)	0 days	0 day	Sun 7/4/19	Sun 7/4/19	NA	NA	11FS-60 days	0%	1235 days	104,234,193,151
13	100095	SECTION W1 PLANNED COMPLETION DATE WITH CE & NCE EFFECT (Including Implemented and NOT Implemented CE) UP TO THIS PROG DATE	0 days	0 day	Wed 15/4/20	Wed 15/4/20	NA	NA	235	0%	860 days	64
14	100100	SECTION W2 (PORTION E, F, G, H, I & N)	1761 days	0 day	Thu 30/6/16	Sun 25/4/21	Thu 30/6/16	NA		99%	485 days	
15	100110	STARTING DATE OF CONTRACT	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	17SS,19SS+60 days,21SS,22SS+109
16	100120	PORTION G, I & N	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16		100%	0 days	
17	100130	ACCESS DATE	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	15SS	100%	0 days	
18	100140	PORTION E & H	1 day	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16		100%	0 days	
19	100150	ACCESS DATE	1 day	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	15SS+60 days	100%	0 days	
20	100160	PORTION F	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16		100%	0 days	
21	100170	ACCESS DATE	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	15SS	100%	0 days	
22	100175	SECTION W2 ORIGINAL COMPLETION DATE (1097 days)	0 days	0 day	Tue 2/7/19	Tue 2/7/19	NA	NA	15SS+1098 days	0%	-1 day	63,23FS+137 days
23	100176	SECTION W2 LATEST REVISED COMPLETION DATE UP TO THIS PROG DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Sat 16/11/19	Sat 16/11/19	NA	NA	22FS+137 days	0%	1011 days	311,345,365,401,427,450,24FS-77 days
24	100177	SECTION W2 LATEST REVISED COMPLETION DATE WITH CSD PACKAGE P2, P4 & P5 TIME SAVINGS EFFECT OF 77 Days UP TO THIS PROG DATE (Incorporated Effect of Implementing CE & CSD Effect)	0 days	0 day	Sun 1/9/19	Sun 1/9/19	NA	NA	23FS-77 days	0%	1088 days	312,346,366,402,428,451
25	100185	SECTION W2 PLANNED COMPLETION DATE WITH CE & NCE EFFECT (Including Implemented and NOT Implemented CE) UP TO THIS PROG DATE	0 days	0 day	Sun 25/4/21	Sun 25/4/21	NA	NA	452	0%	485 days	64
26	100190	SECTION W3 (PORTION K, J1)	1376 days	0 day	Thu 30/6/16	Sun 5/4/20	Thu 30/6/16	NA		99%	870 days	
27	100200	STARTING DATE OF CONTRACT	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	29SS,31SS+60 days,32SS+914 days
28	100210	PORTION K	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16		100%	0 days	
29	100220	ACCESS DATE	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	27SS	100%	0 days	
30	100230	PORTION J1	1 day	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16		100%	0 days	
31	100240	ACCESS DATE	1 day	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	27SS+60 days	100%	0 days	
32	100245	SECTION W3 ORIGINAL COMPLETION DATE (913 days)	0 days	0 day	Sun 30/12/18	Sun 30/12/18	NA	NA	27SS+914 days	0%	-1 day	63FS+184 days,33FS+151 days
33	100246	SECTION W3 LATEST REVISED COMPLETION DATE UP TO THIS PROG DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Thu 30/5/19	Thu 30/5/19	NA	NA	32FS+151 days	0%	1181 days	34FS-60 days,483
34	100247	SECTION W3 LATEST REVISED COMPLETION DATE WITH CSD PACKAGE P3 TIME SAVINGS EFFECT OF 60 Days UP TO THIS PROG DATE (Incorporated Effect of Implementing CE & CSD Effect)	0 days	0 day	Mon 1/4/19	Mon 1/4/19	NA	NA	33FS-60 days	0%	1241 days	484
35	100255	SECTION W3 PLANNED COMPLETION DATE WITH CE & NCE EFFECT (Including Implemented and NOT Implemented CE) UP TO THIS PROG DATE	0 days	0 day	Sun 5/4/20	Sun 5/4/20	NA	NA	485	0%	870 days	64
36	100260	SECTION W4	629 days	0 day	Thu 30/6/16	Wed 21/3/18	Thu 30/6/16	Wed 21/3/18		100%	0 days	
42	100310	SECTION W5	1371 days	0 day	Thu 30/6/16	Tue 31/3/20	Thu 30/6/16	NA		99%	875 days	
43	100320	STARTING DATE OF CONTRACT	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	45SS,46SS+1098 days
44	100330	PORTION M	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16		100%	0 days	
45	100335	ACCESS DATE	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	43SS	100%	0 days	
46	100340	SECTION W5 ORIGINAL COMPLETION DATE (1097 days)	1 day	0 day	Tue 2/7/19	Tue 2/7/19	Tue 2/7/19	Tue 2/7/19	43SS+1098 days	100%	0 days	63,47FS+71 days
47	100341	SECTION W5 LATEST REVISED COMPLETION DATE UP TO THIS PROG DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Wed 11/9/19	Wed 11/9/19	NA	NA	46FS+71 days	0%	1077 days	595
48	100350	SECTION W5 PLANNED COMPLETION DATE WITH CE & NCE EFFECT (Including Implemented and NOT Implemented CE) UP TO THIS PROG DATE	0 days	0 day	Tue 31/3/20	Tue 31/3/20	NA	NA	596	0%	875 days	64
49	100360	SECTION W6	715 days	0 day	Thu 30/6/16	Fri 15/6/18	Thu 30/6/16	Fri 15/6/18		100%	0 days	
55	100410	SECTION W7	1145 days	0 day	Tue 7/3/17	Fri 24/4/20	Tue 7/3/17	NA		99%	851 days	
56	100420	INSTRUCTION TO EXECISE	0 days	0 day	Tue 7/3/17	Tue 7/3/17	NA	NA		0%	1145 days	717SS,745SS
57	100430	PORTION J2 & J3	1 day	0 day	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17		100%	0 days	
58	100435	ACCESS DATE	1 day	0 day	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17		100%	0 days	
59	100440	SECTION W7 ORIGINAL COMPLETION DATE (730 days)	1 day	0 day	Thu 7/3/19	Thu 7/3/19	Thu 7/3/19	Thu 7/3/19	58SS+731 days	100%	0 days	63FS+117 days,60FS+99 days
60	100441	SECTION W7 LATEST REVISED COMPLETION DATE UP TO THIS PROG DATE (Incorporated Effect of Implementing CE)	0 days	0 day	Fri 14/6/19	Fri 14/6/19	NA	NA	59FS+99 days	0%	1166 days	642,61FS-60 days
61	100442	SECTION W7 LATEST REVISED COMPLETION DATE WITH CSD PACKAGE P1 TIME SAVINGS EFFECT OF 60 Days UP TO THIS PROG DATE (Incorporated Effect of Implementing CE & CSD Effect)	0 days	0 day	Tue 16/4/19	Tue 16/4/19	NA	NA	60FS-60 days	0%	1226 days	



Legend for task types and symbols:

- Task: Solid black bar
- Split: Dotted black bar
- Milestone: Diamond symbol
- Summary: Solid grey bar
- Project Summary: Dotted grey bar
- External Tasks: Diamond symbol with text
- External Milestone: Diamond symbol with text
- Inactive Task: Solid grey bar with diagonal lines
- Inactive Milestone: Diamond symbol with text
- Inactive Summary: Solid grey bar with diagonal lines
- Manual Task: Solid white bar with black border
- Duration-only: Solid white bar with black border
- Manual Summary Rollup: Solid white bar with black border
- Manual Summary: Solid white bar with black border
- Start-only: Solid white bar with black border
- Finish-only: Solid blue bar
- Critical: Solid red bar
- Critical Split: Solid red bar with black border
- Progress: Solid black bar with arrowheads
- Deadline: Dotted red bar

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	% Complete	Finish Slack	Successors	Timeline (2016-2022)																																			
62	100455	SECTION W7 PLANNED COMPLETION DATE WITH CE & NCE EFFECT (Including Implemented and NOT Implemented CE) UP TO THIS PROG DATE	0 days	0 day	Fri 24/4/20	Fri 24/4/20	NA	NA	644	0%	851 days	64	Timeline view showing task 62 as a horizontal bar from Fri 24/4/20 to Fri 24/4/20.																																			
63	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, 22, 32FS+184 days, 40FS+549 days, 46, 53, 59FS+117 days	0%	0 days		Timeline view showing task 63 as a horizontal bar from Mon 1/7/19 to Mon 1/7/19.																																			
64	100480	SECTION W1 TO W7 PLANNED COMPLETION DATE WITH CE & NCE (Including Implemented and NOT Implemented CE) UP TO THIS PROG DATE	0 days	0 day	Sun 25/4/21	Sun 25/4/21	NA	NA	13, 25, 35, 48, 62	0%	485 days		Timeline view showing task 64 as a horizontal bar from Sun 25/4/21 to Sun 25/4/21.																																			
65	200000	PLANNED WORKS PROGRAMME	1761 days	0 day	Thu 30/6/16	Sun 25/4/21	Thu 30/6/16	NA		78%	485 days		Timeline view showing task 65 as a long horizontal bar from Thu 30/6/16 to Sun 25/4/21.																																			
66	210010	SECTION W1 (PORTION A, B, C & D)	1386 days	0 day	Thu 30/6/16	Wed 15/4/20	Thu 30/6/16	NA		77%	860 days		Timeline view showing task 66 as a long horizontal bar from Thu 30/6/16 to Wed 15/4/20.																																			
67	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	106FS+151 days, 153FS+60 days, 195FS+151 days, 69FS+60	Timeline view showing task 67 as a vertical line at Thu 30/6/16.																																			
68	211000	PORTION A - POK WAI ROAD SOUTH (MP 1+000 - MP 2+130)	1188 days	0 day	Thu 30/6/16	Mon 30/9/19	Thu 30/6/16	NA		97%	198 days		Timeline view showing task 68 as a horizontal bar from Thu 30/6/16 to Mon 30/9/19.																																			
69	211010	POSSESSION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	67FS+60 days	100%	0 days	70	Timeline view showing task 69 as a vertical line at Sun 28/8/16.																																			
70	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	69	100%	0 days	78FS+4 days, 71, 75	Timeline view showing task 70 as a horizontal bar from Mon 29/8/16 to Sun 30/10/16.																																			
71	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	70	100%	0 days	72	Timeline view showing task 71 as a horizontal bar from Mon 31/10/16 to Fri 13/1/17.																																			
72	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	Sat 14/1/17	Mon 20/3/17	71	100%	0 days	88, 81	Timeline view showing task 72 as a horizontal bar from Sat 14/1/17 to Mon 20/3/17.																																			
73	211050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	485 days	10 days	Thu 30/6/16	Fri 27/10/17	Thu 30/6/16	Fri 27/10/17	67SS	100%	0 days		Timeline view showing task 73 as a horizontal bar from Thu 30/6/16 to Fri 27/10/17.																																			
74	211060	UTILITIES DIVERSION WORKS	439 days	0 day	Mon 31/10/16	Fri 12/1/18	Mon 31/10/16	Fri 12/1/18		100%	0 days		Timeline view showing task 74 as a horizontal bar from Mon 31/10/16 to Fri 12/1/18.																																			
75	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	70	100%	0 days	87	Timeline view showing task 75 as a horizontal bar from Mon 31/10/16 to Thu 29/12/16.																																			
76	211075	CLP (Between MP1+600 TO MP2+100)	60 days	2 days	Tue 14/11/17	Fri 12/1/18	Tue 14/11/17	Fri 12/1/18	90	100%	0 days		Timeline view showing task 76 as a horizontal bar from Tue 14/11/17 to Fri 12/1/18.																																			
77	211080	PCCW (Between MP1+600 TO MP2+100)	60 days	2 days	Tue 14/11/17	Fri 12/1/18	Tue 14/11/17	Fri 12/1/18	90	100%	0 days		Timeline view showing task 77 as a horizontal bar from Tue 14/11/17 to Fri 12/1/18.																																			
78	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	70FS+4 days	100%	0 days	79SS, 80	Timeline view showing task 78 as a horizontal bar from Thu 3/11/16 to Wed 30/11/16.																																			
79	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	78SS	100%	0 days	80	Timeline view showing task 79 as a horizontal bar from Thu 3/11/16 to Wed 23/11/16.																																			
80	211110	INSTALLATION OF MONITORING MARKERS	20 days	2 days	Thu 1/12/16	Tue 20/12/16	Thu 1/12/16	Tue 20/12/16	79, 78	100%	0 days	81	Timeline view showing task 80 as a horizontal bar from Thu 1/12/16 to Tue 20/12/16.																																			
81	211115	RETAINING WALL - RW 8A (60M)	70 days	5 days	Tue 21/3/17	Mon 29/5/17	Tue 21/3/17	Mon 29/5/17	80, 72	100%	0 days	87, 82SS+7 days, 83	Timeline view showing task 81 as a horizontal bar from Tue 21/3/17 to Mon 29/5/17.																																			
82	211120	RETAINING WALL - RW 8B (40M)	66 days	5 days	Thu 1/6/17	Tue 28/3/17	Thu 1/6/17	Tue 28/3/17	81SS+7 days	100%	0 days	87, 83	Timeline view showing task 82 as a horizontal bar from Thu 1/6/17 to Tue 28/3/17.																																			
83	211125	END DATE OF DRY SEASON	1 day	0 day	Fri 31/3/17	Fri 31/3/17	Fri 31/3/17	Fri 31/3/17	82, 81	100%	0 days		Timeline view showing task 83 as a vertical line at Fri 31/3/17.																																			
84	211130	START DATE OF DRY SEASON	1 day	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17		100%	0 days	91	Timeline view showing task 84 as a vertical line at Wed 1/11/17.																																			
85	211150	RETAINING WALL - RW7 (20M) - CSD	60 days	2 days	Tue 13/3/18	Fri 11/5/18	Tue 13/3/18	Fri 11/5/18	91SS+60 days	100%	0 days	95SS, 93, 86SS	Timeline view showing task 85 as a horizontal bar from Tue 13/3/18 to Fri 11/5/18.																																			
86	211160	RETAINING WALL - RW7A (67M) - CSD	60 days	4 days	Tue 13/3/18	Fri 11/5/18	Tue 13/3/18	Fri 11/5/18	85SS	100%	0 days	93	Timeline view showing task 86 as a horizontal bar from Tue 13/3/18 to Fri 11/5/18.																																			
87	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	Wed 17/10/18	81, 82, 75	100%	0 days	92	Timeline view showing task 87 as a horizontal bar from Sat 3/6/17 to Wed 17/10/18.																																			
88	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	72	100%	0 days	89	Timeline view showing task 88 as a vertical line at Fri 24/3/17.																																			
89	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	Mon 11/12/17	88	100%	0 days	90SS+205 days, 91FS-28 days	Timeline view showing task 89 as a horizontal bar from Fri 24/3/17 to Mon 11/12/17.																																			
90	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	89SS+205 days	100%	0 days	91, 76, 77	Timeline view showing task 90 as a horizontal bar from Sun 15/10/17 to Mon 13/11/17.																																			
91	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	90, 84, 89FS-28 days	100%	0 days	100, 93, 85SS+60 days	Timeline view showing task 91 as a horizontal bar from Tue 14/11/17 to Sat 31/3/18.																																			
92	211235	STAIRCASE @ MP1+960	30 days	3 days	Thu 18/10/18	Fri 16/11/18	Thu 18/10/18	Fri 16/11/18	87	100%	0 days	100	Timeline view showing task 92 as a horizontal bar from Thu 18/10/18 to Fri 16/11/18.																																			
93	211225	END DATE OF DRY SEASON	1 day	0 day	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	86, 91, 85, 95	100%	0 days		Timeline view showing task 93 as a vertical line at Sat 31/3/18.																																			
94	211230	START DATE OF DRY SEASON	1 day	0 day	Thu 1/11/18	Thu 1/11/18	Thu 1/11/18	Thu 1/11/18		100%	0 days		Timeline view showing task 94 as a vertical line at Thu 1/11/18.																																			
95	211250	RETAINING WALL - RW 7B (20M) - CSD	60 days	0 day	Tue 13/3/18	Fri 11/5/18	Tue 13/3/18	Fri 11/5/18	85SS	100%	0 days	93	Timeline view showing task 95 as a horizontal bar from Tue 13/3/18 to Fri 11/5/18.																																			
96	211260	CE-100 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION A TO D (DESIGN SUBMISSION & APPROVAL)	360 days	0 day	Tue 21/1/17	Thu 15/11/18	Tue 21/1/17	Thu 15/11/18		100%	0 days	97, 98, 142SS, 184SS	Timeline view showing task 96 as a horizontal bar from Tue 21/1/17 to Thu 15/11/18.																																			
97	211261	CE-100 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION A TO D (ASSOCIATED CIVIL PROVISION WORKS)	92 days	0 day	Fri 16/11/18	Fri 15/2/19	Fri 16/11/18	Fri 15/2/19	96	100%	0 days	99	Timeline view showing task 97 as a horizontal bar from Fri 16/11/18 to Fri 15/2/19.																																			
98	211262	ALLOCATION WARRANT, QUOTATION & ISSUE OF WORKS ORDER FOR STREET LIGHTING BY OTHERS	92 days	0 day	Fri 16/11/18	Fri 15/2/19	Fri 16/11/18	Fri 15/2/19	96	100%	0 days	99	Timeline view showing task 98 as a horizontal bar from Fri 16/11/18 to Fri 15/2/19.																																			
99	211263	INSTALLATION OF LED STREET LIGHTING BY OTHERS	197 days	0 day	Sat 16/2/19	Sat 31/8/19	Sat 16/2/19	NA	98, 97	70%	198 days	101	Timeline view showing task 99 as a horizontal bar from Sat 16/2/19 to Sat 31/8/19.																																			
100	211270	ROAD WORKS (EXCEPT COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS)	92 days	7 days	Sat 17/11/18	Sat 16/2/19	Sat 17/11/18	Sat 16/2/19	91, 92	100%	0 days	101	Timeline view showing task 100 as a horizontal bar from Sat 17/11/18 to Sat 16/2/19.																																			
101	211271	COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS	30 days	0 day	Sun 1/9/19	Mon 30/9/19	NA	NA	100, 99	0%	198 days	102	Timeline view showing task 101 as a horizontal bar from Sun 1/9/19 to Mon 30/9/19.																																			
102	211275	PORTION A - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Mon 30/9/19	Mon 30/9/19	NA	NA	101	0%	198 days	235	Timeline view showing task 102 as a vertical line at Mon 30/9/19.																																			
103	211280	W1 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Wed 5/6/19	Wed 5/6/19	NA	NA	11	0%	1175 days		Timeline view showing task 103 as a vertical line at Wed 5/6/19.																																			
104	211281	W1 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE WITH CSD PACKAGE P3 TIME SAVINGS EFFECT (-60 days)	0 days	0 day	Sun 7/4/19	Sun 7/4/19	NA	NA	12	0%	1235 days		Timeline view showing task 104 as a vertical line at Sun 7/4/19.																																			
105	212000	PORTION B (MP 2+130 - MP 2+950)	1183 days		Sun 27/11/16	Sun 23/2/20	Sun 27/11/16	NA		70%	52 days		Timeline view showing task 105 as a horizontal bar from Sun 27/11/16 to Sun 23/2/20.																																			
106	212010	POSSESSION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	67FS+151 days	100%	0 days	107SS, 108SS, 110	Timeline view showing task 106 as a vertical line at Sun 27/11/16.																																			

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME



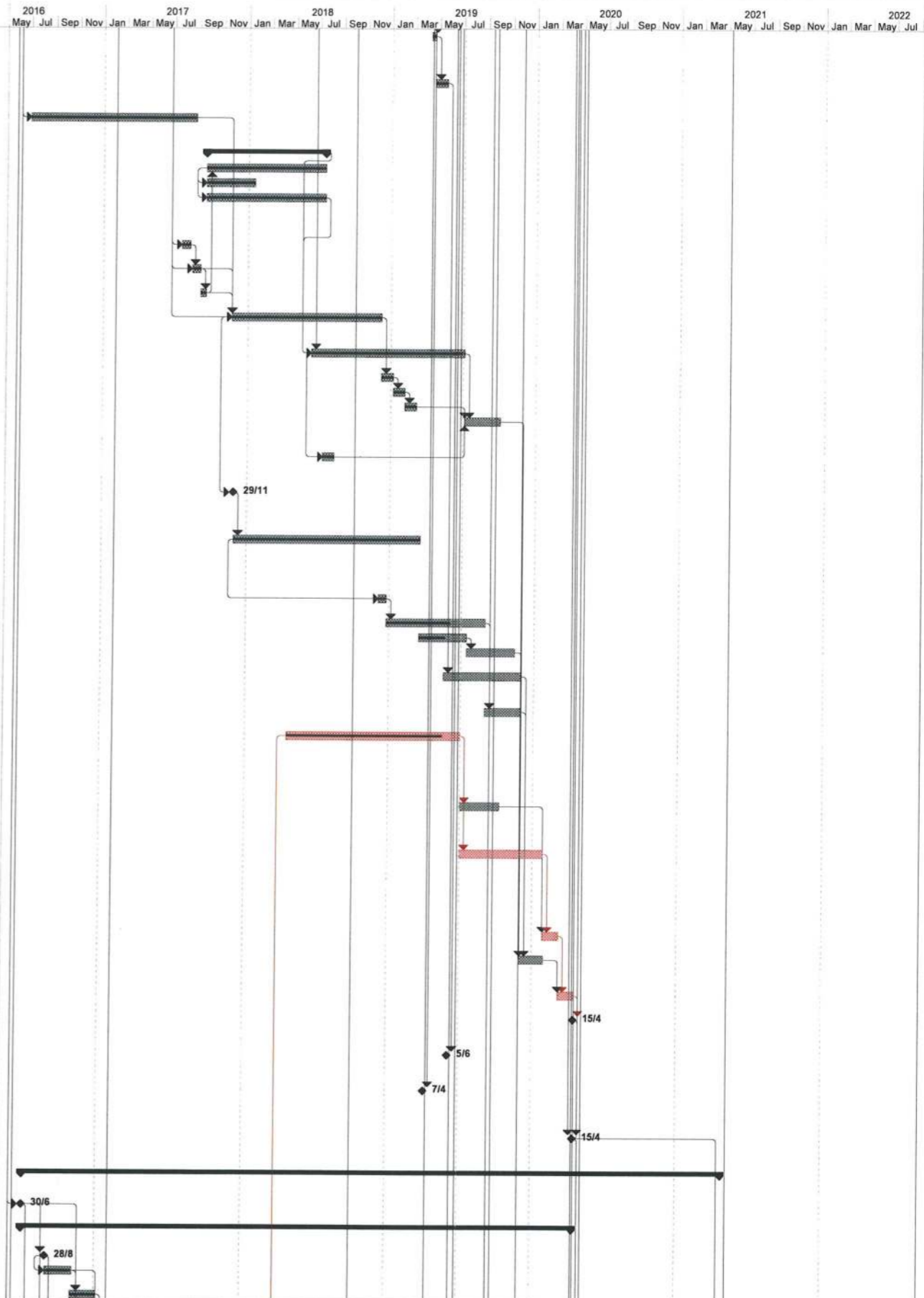


ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Complete	Finish Slack	Successors	Gantt Chart (2016-2022)																							
157	213050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	520 days	0 day	Thu 30/6/16	Fri 1/12/17	Thu 30/6/16	Fri 1/12/17	67SS	100%	0 days	178	[Gantt Chart Data]																							
158	213060	UTILITIES DIVERSION WORKS	170 days	0 day	Thu 18/5/17	Fri 3/11/17	Thu 18/5/17	Fri 3/11/17		100%	0 days		[Gantt Chart Data]																							
159	213070	CLP	30 days	3 days	Thu 18/5/17	Fri 16/6/17	Thu 18/5/17	Fri 16/6/17	156FS+65 days	100%	0 days	160FS+80 days, 161FS+80 days	[Gantt Chart Data]																							
160	213080	PCCW	60 days	3 days	Tue 5/9/17	Fri 3/11/17	Tue 5/9/17	Fri 3/11/17	159FS+80 days	100%	0 days		[Gantt Chart Data]																							
161	213085	WSD	60 days	3 days	Tue 5/9/17	Fri 3/11/17	Tue 5/9/17	Fri 3/11/17	159FS+80 days	100%	0 days		[Gantt Chart Data]																							
162	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	154	100%	0 days	163	[Gantt Chart Data]																							
163	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	162	100%	0 days	164	[Gantt Chart Data]																							
164	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	163	100%	0 days	168	[Gantt Chart Data]																							
165	213120	RETAINING WALL - RW 11A (50M) - CSD	100 days	5 days	Fri 12/10/18	Sat 19/1/19	Fri 12/10/18	Sat 19/1/19	176,177	100%	0 days		[Gantt Chart Data]																							
166	213130	RETAINING WALL - RW 11B : BAY 1 - BAY 6 (60M)	115 days	5 days	Wed 14/6/17	Fri 6/10/17	Wed 14/6/17	Fri 6/10/17	168	100%	0 days	183	[Gantt Chart Data]																							
167	213140	RETAINING WALL - RW 11B : BAY 7 - BAY 12 (60M)	115 days	5 days	Wed 14/6/17	Fri 6/10/17	Wed 14/6/17	Fri 6/10/17	168FS-30 days	100%	0 days	183	[Gantt Chart Data]																							
168	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	164,156	100%	0 days	169SS, 167FS-30 days, 170SS, 166, 183	[Gantt Chart Data]																							
169	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	168SS	100%	0 days	172FS-30 days	[Gantt Chart Data]																							
170	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	Fri 10/8/18	168SS	100%	0 days		[Gantt Chart Data]																							
171	213175	RETAINING WALL - RW 12 : BAY 0 (+ Delay due to SKJV NCE No.99 - Additional 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	172FS-80 days	100%	0 days	183	[Gantt Chart Data]																							
172	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	169FS-30 days	100%	0 days	171FS-80 days, 183, 190, 173SS	[Gantt Chart Data]																							
173	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	172SS	100%	0 days	176SS, 174FS-80 days, 183	[Gantt Chart Data]																							
174	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	173FS-80 days	100%	0 days	175SS+8 days, 183	[Gantt Chart Data]																							
175	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	174SS+8 days	100%	0 days	177	[Gantt Chart Data]																							
176	213210	RETAINING WALL - RW 14, STAIRCASE S4 (55M)	500 days	5 days	Tue 30/5/17	Thu 11/10/18	Tue 30/5/17	Thu 11/10/18	173SS	100%	0 days	165, 178	[Gantt Chart Data]																							
177	213220	RETAINING WALL - RW 15A (7.5M) (+ SKJV NCE)	50 days	2 days	Fri 25/5/18	Fri 13/7/18	Fri 25/5/18	Fri 13/7/18	175	100%	0 days	178, 165	[Gantt Chart Data]																							
178	213230	RAMP NEAR YAU POK ROAD + SKJV EW No. 43 - Proposed Staircase outside Site Boundary	370 days	0 day	Fri 12/10/18	Wed 16/10/19	Fri 12/10/18	NA	177, 157, 176	0%	160 days	179SS, 180SS, 181SS, 182SS, 189	[Gantt Chart Data]																							
179	213240	STAIRCASE S1 + SKJV EW No. 43 - Proposed Staircase outside Site Boundary	370 days	0 day	Fri 12/10/18	Wed 16/10/19	Fri 12/10/18	NA	178SS	0%	160 days	189	[Gantt Chart Data]																							
180	213250	STAIRCASE S2 + SKJV EW No. 43 - Proposed Staircase outside Site Boundary	370 days	0 day	Fri 12/10/18	Wed 16/10/19	Fri 12/10/18	NA	178SS	0%	160 days	189	[Gantt Chart Data]																							
181	213260	STAIRCASE S3 + SKJV EW No. 43 - Proposed Staircase outside Site Boundary	370 days	0 day	Fri 12/10/18	Wed 16/10/19	Fri 12/10/18	NA	178SS	0%	160 days	189	[Gantt Chart Data]																							
182	213270	RAMP AND STAIRCASE - CSR1 + SKJV EW No. 43 - Proposed Staircase outside Site Boundary	370 days	0 day	Fri 12/10/18	Wed 16/10/19	Fri 12/10/18	NA	178SS	0%	160 days	183FS-323 days, 189	[Gantt Chart Data]																							
183	213280	EARTHWORKS AND DRAINAGE WORKS FROM CH2+971 TO 4+010	215 days	10 days	Wed 28/11/18	Sun 30/6/19	Wed 28/11/18	NA	166, 167, 168, 171, 172, 173, 193 days	91 days	188FS-100 days		[Gantt Chart Data]																							
184	213281	CE-100 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION A TO D (DESIGN SUBMISSION & APPROVAL)	360 days	0 day	Tue 21/11/17	Thu 15/11/18	Tue 21/11/17	Thu 15/11/18	96SS	100%	0 days	185, 186	[Gantt Chart Data]																							
185	213282	CE-100 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION A TO D (ASSOCIATED CIVIL PROVISION WORKS)	92 days	0 day	Fri 16/11/18	Fri 15/2/19	Fri 16/11/18	Fri 15/2/19	184	100%	0 days	187	[Gantt Chart Data]																							
186	213283	ALLOCATION WARRANT, QUOTATION & ISSUE OF WORKS ORDER FOR STREET LIGHTING BY OTHERS	92 days	0 day	Fri 16/11/18	Fri 15/2/19	Fri 16/11/18	Fri 15/2/19	184	100%	0 days	187	[Gantt Chart Data]																							
187	213284	INSTALLATION OF LED STREET LIGHTING BY OTHERS	197 days	0 day	Sat 16/2/19	Sat 31/8/19	Sat 16/2/19	NA	186, 185	70%	206 days	189	[Gantt Chart Data]																							
188	213290	ROAD WORKS (EXCEPT COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS)	130 days	4 days	Sat 23/3/19	Tue 30/7/19	Sat 23/3/19	NA	183FS-100 days	70%	238 days	189	[Gantt Chart Data]																							
189	213291	COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS	22 days	1 day	Thu 17/10/19	Thu 7/11/19	NA	NA	187, 188, 178, 179, 180, 181, 190	10%	160 days	191	[Gantt Chart Data]																							
190	213300	RESTING STATION R7	144 days	10 days	Wed 17/1/18	Sat 9/6/18	Wed 17/1/18	Sat 9/6/18	172	100%	0 days	191	[Gantt Chart Data]																							
191	213310	PORTION C - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Thu 7/11/19	Thu 7/11/19	NA	NA	190, 189	0%	160 days	235	[Gantt Chart Data]																							
192	213320	W1 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Wed 5/6/19	Wed 5/6/19	NA	NA	11	0%	1175 days		[Gantt Chart Data]																							
193	213321	W1 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE WITH CSD PACKAGE P3 TIME SAVINGS EFFECT (-60 days)	0 days	0 day	Sun 7/4/19	Sun 7/4/19	NA	NA	12	0%	1235 days		[Gantt Chart Data]																							
194	214000	PORTION D (MP 4+010 - MP 5+280)	1386 days		Thu 30/6/16	Wed 15/4/20	Thu 30/6/16	NA		79%	0 days		[Gantt Chart Data]																							
195	214010	POSSESSION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	67FS+151 days	100%	0 days	196SS, 197SS	[Gantt Chart Data]																							
196	214020	INITIAL SURVEY	220 days	3 days	Mon 28/11/16	Wed 5/7/17	Mon 28/11/16	Wed 5/7/17	195SS	100%	0 days	198	[Gantt Chart Data]																							
197	214030	TREE SURVEY	40 days	3 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	195SS	100%	0 days	198	[Gantt Chart Data]																							
198	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	Sun 10/6/18	197, 196	100%	0 days	208SS+14 days, 211SS+140 days, 209SS+40 days, 212	[Gantt Chart Data]																							
199	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		100%	0 days	200	[Gantt Chart Data]																							
200	214042	PENDING THE SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV EW No.12)	490 days	0 day	Wed 6/12/17	Tue 9/4/19	Wed 6/12/17	Tue 9/4/19	199	100%	0 days	201	[Gantt Chart Data]																							



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	% Complete	Finish Slack	Successors
201	214043	PREPARATION WORKS FOR TREE FELLING WORKS UNDER CE TO RESOLVE CONFLICT (SKJV EW No.12) BY SKJV (ASSUMED 20 days)	10 days	0 day	Wed 10/4/19	Fri 19/4/19	Wed 10/4/19	Fri 19/4/19	200	100%	0 days	202
202	214044	TREE FELLING WORKS FROM CH-MP5+050 TO 5+290 (SKJV EW No. 12)	30 days	0 day	Sat 20/4/19	Sun 19/5/19	Sat 20/4/19	Sun 19/5/19	201	100%	0 days	224
203	214050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVISE	420 days	0 day	Thu 30/6/16	Wed 23/8/17	Thu 30/6/16	Wed 23/8/17	67SS	100%	0 days	211
204	214060	UTILITIES DIVERSION WORKS	300 days	0 day	Tue 19/9/17	Sun 15/7/18	Tue 19/9/17	Sun 15/7/18		100%	0 days	212FS-40 days
205	214070	CLP	300 days	3 days	Tue 19/9/17	Sun 15/7/18	Tue 19/9/17	Sun 15/7/18	210	100%	0 days	206SS,207SS
206	214080	PCCW	120 days	3 days	Tue 19/9/17	Tue 16/1/18	Tue 19/9/17	Tue 16/1/18	205SS	100%	0 days	
207	214085	WSD (+DELAY DUE TO SKJV NCE No.63 Additional Relocation of Existing WSD Utilities in Conflict with Proposed Works)	300 days	3 days	Tue 19/9/17	Sun 15/7/18	Tue 19/9/17	Sun 15/7/18	205SS	100%	0 days	212FS-40 days
208	214090	GROUND INVESTIGATION WORKS (3 NOS. BOREHOLE & TRIAL PITS)	21 days	2 days	Thu 20/7/17	Wed 9/8/17	Thu 20/7/17	Wed 9/8/17	198SS+14 days	100%	0 days	209
209	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	198SS+40 days,208	100%	0 days	210,211
210	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	209	100%	0 days	211,205
211	214120	RETAINING WALL - RW 15B + SKJV NCE No.81 Additional 3 Bays	380 days	7 days	Thu 23/11/17	Fri 7/12/18	Thu 23/11/17	Fri 7/12/18	198SS+140 days,209,210,203	100%	0 days	218SS,213
212	214130	RETAINING WALL - RW 15C (45M) & STAIRCASE S6	390 days	7 days	Mon 11/6/18	Fri 5/7/19	Mon 11/6/18	Fri 5/7/19	207FS-40 days,198,204FS-40 days	100%	0 days	216,217SS+30 days
213	214140	STREAM DECKING D1	30 days	3 days	Sat 8/12/18	Sun 6/1/19	Sat 8/12/18	Sun 6/1/19	211	100%	0 days	214
214	214150	STREAM DECKING D2	30 days	3 days	Mon 7/1/19	Tue 5/2/19	Mon 7/1/19	Tue 5/2/19	213	100%	0 days	215
215	214160	STREAM DECKING D3	30 days	3 days	Wed 6/2/19	Thu 7/3/19	Wed 6/2/19	Thu 7/3/19	214	100%	0 days	216
216	214170	PEDSTRIAN RAMP CONSTRUCTION & PROVIDE SAFETY ACCESS TO RESIDENT @ CH-MP4+500 (Compensation Event)	90 days	7 days	Sat 6/7/19	Thu 3/10/19	NA	NA	212,217,215	0%	95 days	230
217	214190	DEMOLITION OF EXISTING STRUCTURE @ CH-MP4+500	30 days	2 days	Wed 11/7/18	Thu 9/8/18	Wed 11/7/18	Thu 9/8/18	212SS+30 days	100%	0 days	216
218	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	211SS	100%	0 days	219
219	214201	PENDING THE SUPERVISOR TO ISSUE CE-181 REVISION OF RETAINING WALL No. RW16A & ASSOCIATED DRAINAGE WORKS AT KO HANG IN PORTION D, TO RESOLVE CONFLICT (SKJV EW No.10)	475 days	0 day	Thu 30/11/17	Tue 19/3/19	Thu 30/11/17	Tue 19/3/19	218	100%	0 days	220SS+370 days
220	214202	PREPARATION WORKS FOR WORKS UNDER CE-181	20 days	0 day	Wed 5/12/18	Mon 24/12/18	Wed 5/12/18	Mon 24/12/18	219SS+370 days	100%	0 days	221
221	214203	CONSTRUCTION WORKS FOR CE-181	250 days	0 day	Tue 25/12/18	Sat 31/8/19	Tue 25/12/18	NA	220	65%	37 days	225
222	214204	SKJV EW No. 57 - RW16A BAY25 TO 28	120 days	0 day	Mon 18/3/19	Mon 15/7/19	Mon 18/3/19	NA	222	55%	55 days	223
223	214205	CONSTRUCTION WORKS FOR RW16A BAY 25 TO 28	120 days	0 day	Tue 16/7/19	Tue 12/11/19	NA	NA	222	0%	55 days	230
224	214208	SKJV NCE No. 388 - ADDITIONAL PLANTER WALL PWD1 & REVISED DRAINAGE BETWEEN CH MP5+053 AND 5+155	195 days	2 days	Mon 20/5/19	Sat 30/11/19	NA	NA	202	0%	37 days	230
225	214210	EARTHWORKS AND DRAINAGE WORKS	91 days	8 days	Sun 1/9/19	Sat 30/11/19	NA	NA	221	0%	37 days	230
226	214211	CE-100 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION A TO D (DESIGN SUBMISSION & APPROVAL) + SKJV NCE No. 327 - Late Approval of Street Lighting Design including Lengthy Time in Installation of LED Lighting	441 days	0 day	Mon 16/4/18	Sun 30/6/19	Mon 16/4/18	NA		90%	0 days	227,228,304SS
227	214212	CE-100 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION A TO D (ASSOCIATED CIVIL PROVISION WORKS)	100 days	0 day	Mon 1/7/19	Tue 8/10/19	NA	NA	226	0%	110 days	229
228	214213	ALLOCATION WARRANT, QUOTATION & ISSUE OF WORKS ORDER FOR STREET LIGHTING BY OTHERS + SKJV NCE No. 327 - Late Approval of Lighting Design including Lengthy Time in Installation of LED Lighting (*16 wk for Purchasing LED Lighting after HyD's Instruction)	210 days	0 day	Mon 1/7/19	Sun 26/1/20	NA	NA	226	0%	0 days	229
229	214214	INSTALLATION OF LED STREET LIGHTING BY OTHERS	40 days	0 day	Mon 27/1/20	Fri 6/3/20	NA	NA	228,227	0%	0 days	231
230	214220	ROAD WORKS (EXCEPT COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS)	60 days	4 days	Sun 1/12/19	Wed 29/1/20	NA	NA	225,224,223,216	0%	37 days	231
231	214221	COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS	40 days	2 days	Sat 7/3/20	Wed 15/4/20	NA	NA	230,229	0%	0 days	232
232	214222	PORTION D - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Wed 15/4/20	Wed 15/4/20	NA	NA	231	0%	0 days	235
233	214225	W1 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Wed 5/6/19	Wed 5/6/19	NA	NA	11	0%	1175 days	
234	214226	W1 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE WITH CSD PACKAGE P3 TIME SAVINGS EFFECT (-60 days)	0 days	0 day	Sun 7/4/19	Sun 7/4/19	NA	NA	12	0%	1235 days	
235	210030	W1 - PLANNED COMPLETION DATE WITH CE & NCE EFFECT UP TO THIS PROG DATE	0 days	0 day	Wed 15/4/20	Wed 15/4/20	NA	NA	102,149,191,232	0%	0 days	694,645,13
236		<b>SECTION W2 (PORTION E, F, G, H, I &amp; N)</b>	<b>1761 days</b>	<b>days</b>	<b>Thu 30/6/16</b>	<b>Sun 25/4/21</b>	<b>Thu 30/6/16</b>	<b>NA</b>		<b>77%</b>	<b>485 days</b>	
237	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	239FS+60 days,314FS+151 days,348,368FS+60
238	221000	PORTION E (MP 5+280 - MP 6+530)	1386 days	days	Thu 30/6/16	Wed 15/4/20	Thu 30/6/16	NA		80%	860 days	
239	221010	POSSESSION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	237FS+60 days	100%	0 days	240SS,253
240	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	239SS	100%	0 days	242,241
241	221030	TREE SURVEY	65 days	5 days	Wed 2/11/16	Thu 5/1/17	Wed 2/11/16	Thu 5/1/17	240	100%	0 days	242



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	

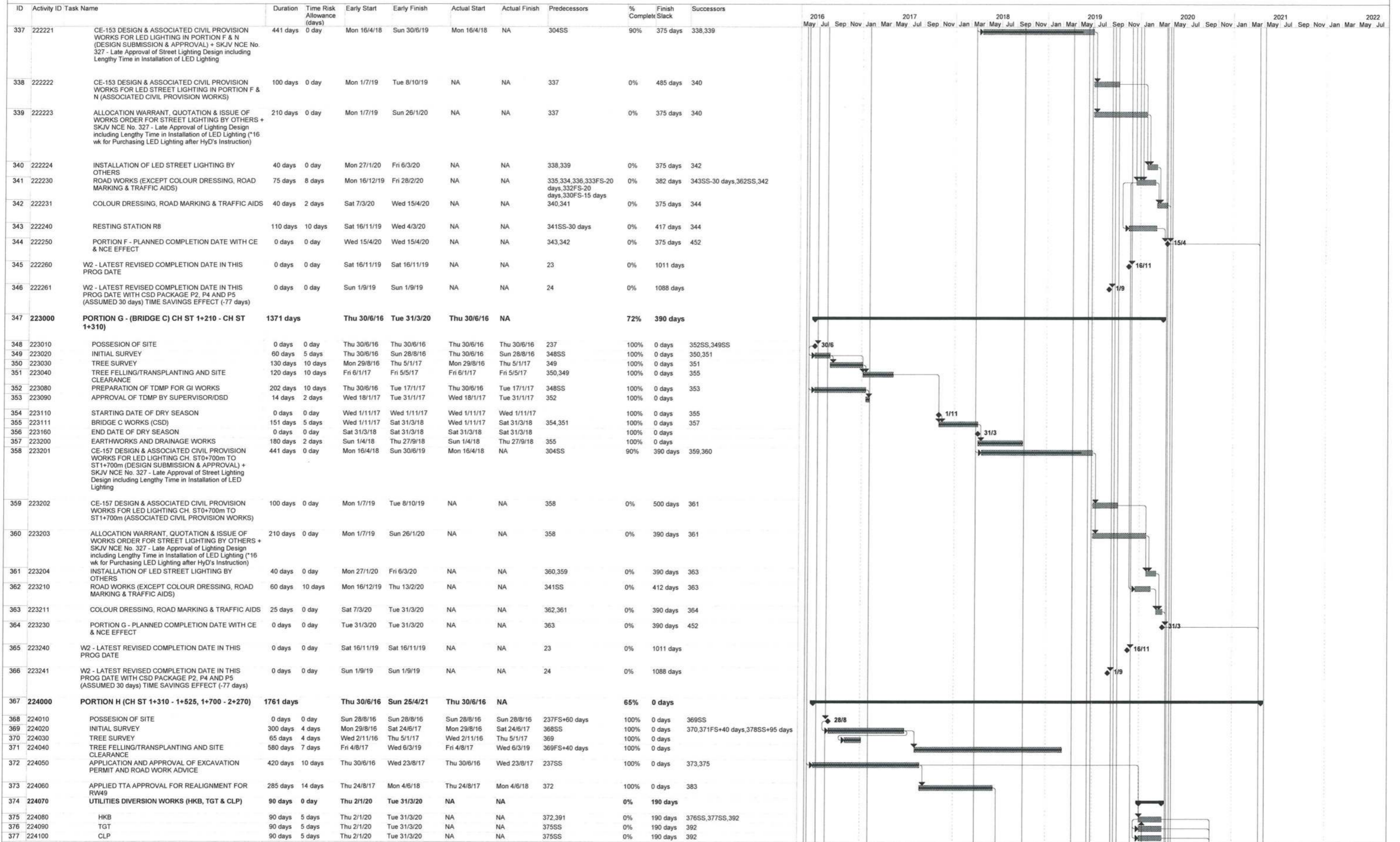
REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME



ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Complete	Finish Slack	Successors	Gantt Chart (2016-2022)																							
302	221545	DRAINAGE WORKS, EARTHWORKS AND ROAD WORKS FROM MP6+020 TO 6+530	350 days	10 days	Thu 4/10/18	Wed 18/9/19	Thu 4/10/18	NA	289,291,292,296,298,299,300	80%	545 days	308FF	[Gantt Chart Data]																							
303	221546	CE-180 DESIGN AND CONSTRUCTION OF BOUNDARY WALL ALONGSIDE SAN TIN HIGHWAY IN PORTION E	300 days	5 days	Thu 1/11/18	Tue 27/8/19	Thu 1/11/18	NA		70%	567 days	308FF	[Gantt Chart Data]																							
304	221547	CE-143 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED LIGHTING IN PORTION E (DESIGN SUBMISSION & APPROVAL) + SKJV NCE No. 327 - Late Approval of Street Lighting Design including Lengthy Time in Installation of LED Lighting	441 days	0 day	Mon 16/4/18	Sun 30/6/19	Mon 16/4/18	NA	226SS	90%	375 days	305,306,337SS,358SS,394SS,443SS	[Gantt Chart Data]																							
305	221548	CE-143 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION E (ASSOCIATED CIVIL PROVISION WORKS)	100 days	0 day	Mon 1/7/19	Tue 8/10/19	NA	NA	304	0%	485 days	307	[Gantt Chart Data]																							
306	221549	ALLOCATION WARRANT, QUOTATION & ISSUE OF WORKS ORDER FOR STREET LIGHTING BY OTHERS + SKJV NCE No. 327 - Late Approval of Lighting Design including Lengthy Time in Installation of LED Lighting (*16 wk for Purchasing LED Lighting after HyD's Instruction)	210 days	0 day	Mon 1/7/19	Sun 26/1/20	NA	NA	304	0%	375 days	307	[Gantt Chart Data]																							
307	221550	INSTALLATION OF LED STREET LIGHTING BY OTHERS	40 days	0 day	Mon 27/1/20	Fri 6/3/20	NA	NA	305,306	0%	375 days	309	[Gantt Chart Data]																							
308	221551	ROAD WORKS (EXCEPT COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS)	310 days	5 days	Tue 13/11/18	Wed 18/9/19	NA	NA	302FF,276,303FF	0%	545 days	309	[Gantt Chart Data]																							
309	221552	COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS	40 days	0 day	Sat 7/3/20	Wed 15/4/20	NA	NA	308,307	0%	375 days	310	[Gantt Chart Data]																							
310	221555	PORTION E - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Wed 15/4/20	Wed 15/4/20	NA	NA	270,282,309	0%	375 days	452	[Gantt Chart Data]																							
311	221560	W2 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 16/11/19	Sat 16/11/19	NA	NA	23	0%	1011 days		[Gantt Chart Data]																							
312	221561	W2 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE WITH CSD PACKAGE P2, P4 AND P5 (ASSUMED 30 days) TIME SAVINGS EFFECT (-77 days)	0 days	0 day	Sun 1/9/19	Sun 1/9/19	NA	NA	24	0%	1088 days		[Gantt Chart Data]																							
313	222000	PORTION F (MP 6+530 - MP 6+850, CH ST 0+150 - CH ST 1+150)	1386 days		Thu 30/6/16	Wed 15/4/20	Thu 30/6/16	NA		80%	375 days		[Gantt Chart Data]																							
314	222010	POSSESSION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	237FS+151 days	100%	0 days	315SS,316SS	[Gantt Chart Data]																							
315	222020	INITIAL SURVEY	215 days	4 days	Mon 28/11/16	Fri 30/6/17	Mon 28/11/16	Fri 30/6/17	314SS	100%	0 days	317,327SS+115 days	[Gantt Chart Data]																							
316	222030	TREE SURVEY	40 days	4 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	314SS	100%	0 days	317	[Gantt Chart Data]																							
317	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	316,315	100%	0 days	318,336	[Gantt Chart Data]																							
318	222050	UTILITIES DIVERSION WORKS (CLP, TOWN GAS)	90 days	0 day	Tue 28/11/17	Sun 25/2/18	Tue 28/11/17	Sun 25/2/18	317	100%	0 days		[Gantt Chart Data]																							
319	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 15/1/18	2SS	100%	0 days	320	[Gantt Chart Data]																							
320	222130	ARRANGEMENT OF SITE INVESTIGATION WORKS	7 days	0 day	Tue 16/1/18	Mon 22/1/18	Tue 16/1/18	Mon 22/1/18	319	100%	0 days	321	[Gantt Chart Data]																							
321	222140	SITE INVESTIGATION WORKS AND TESTING	60 days	0 day	Tue 23/1/18	Fri 23/3/18	Tue 23/1/18	Fri 23/3/18	320	100%	0 days	322,324,331	[Gantt Chart Data]																							
322	222145	AWAITING FOR INSTRUCTION FOR REMEDIAL WORKS FOR CONTAMINATED SOIL	363 days	2 days	Sat 24/3/18	Thu 21/3/19	Sat 24/3/18	Thu 21/3/19	321	100%	0 days	323,325SS	[Gantt Chart Data]																							
323	222146	ISSUED DATE OF CE-158 TREATMENT OF CONTAMINATED SOIL IN PORTION F	1 day	0 day	Fri 22/3/19	Fri 22/3/19	Fri 22/3/19	Fri 22/3/19	322	100%	0 days		[Gantt Chart Data]																							
324	222150	PREPARATION WORKS FOR TREATMENT OF CONTAMINATED SOIL	30 days	3 days	Sat 24/3/18	Sun 22/4/18	Sat 24/3/18	Sun 22/4/18	321	100%	0 days	325SS	[Gantt Chart Data]																							
325	222155	IMPLEMENTATION OF DE-CONTAMINATION WORKS & ASSOCIATED EARTHWORK & DRAINAGE WORKS	479 days	5 days	Sat 24/3/18	Mon 15/7/19	Sat 24/3/18	Mon 15/7/19	324SS,322SS	100%	0 days	326SS+55 days,332	[Gantt Chart Data]																							
326	222156	ADDITIONAL RETAINING WALL RWD26A, RWD26B, RWD26C at Chainage CH-ST-6+500 to CH-6+650 (SKJV NCE No. 149 - Additional Drainage and Revised Retaining Wall RWD26A, RWD26B and RWD26C)	280 days	0 day	Fri 18/5/18	Thu 21/2/19	Fri 18/5/18	Thu 21/2/19	325SS+55 days	100%	0 days		[Gantt Chart Data]																							
327	222160	GROUND INVESTIGATION WORKS (1 NO. BOREHOLE & TRIAL PITS)	14 days	2 days	Thu 23/3/17	Wed 5/4/17	Thu 23/3/17	Wed 5/4/17	315SS+115 days	100%	0 days	328	[Gantt Chart Data]																							
328	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	327	100%	0 days	329	[Gantt Chart Data]																							
329	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	328	100%	0 days		[Gantt Chart Data]																							
330	222180	RW 42 (60M) - CSD	60 days	7 days	Fri 1/11/19	Mon 30/12/19	NA	NA	441SS	0%	382 days	341FS-15 days	[Gantt Chart Data]																							
331	222190	RW 43 (+ SKJV NCE No. 91 Additional Bays/Revised Details and Realignment of Storm Drain Pipe, No. 118 Revised RC Details, No.148 Additional Rockfill Arrangement, No.195 Revised Details of Bay 5, )	285 days	5 days	Sat 24/3/18	Wed 21/1/19	Sat 24/3/18	Wed 21/1/19	321	100%	0 days	335	[Gantt Chart Data]																							
332	222200	RW 44 (36M U)	80 days	5 days	Tue 1/10/19	Thu 19/12/19	NA	NA	325,334	0%	398 days	341FS-20 days	[Gantt Chart Data]																							
333	222210	RAMP PR3 CONSTRUCTION	80 days	3 days	Tue 1/10/19	Thu 19/12/19	NA	NA	334	0%	398 days	341FS-20 days	[Gantt Chart Data]																							
334	222212	CE-180 DESIGN AND CONSTRUCTION OF BOUNDARY WALL ALONGSIDE SAN TIN HIGHWAY IN PORTION F	214 days	5 days	Fri 1/3/19	Mon 30/9/19	Fri 1/3/19	NA		70%	398 days	341,332,333	[Gantt Chart Data]																							
335	222215	EARTHWORKS AND DRAINAGE WORK RW43, RWD26A, RWD26B & RWD26C, RW43	130 days	10 days	Thu 3/1/19	Sun 12/5/19	Thu 3/1/19	Sun 12/5/19	331	100%	0 days	341	[Gantt Chart Data]																							
336	222220	EARTHWORKS AND DRAINAGE WORKS AT LOCATION OTHER THAN RW42, RW43, RW44, RW26A, RW26B, RW26C AND BOUNDARY WALL AT PORTION F	270 days	3 days	Tue 28/11/17	Fri 24/8/18	Tue 28/11/17	Fri 24/8/18	317	100%	0 days	341	[Gantt Chart Data]																							

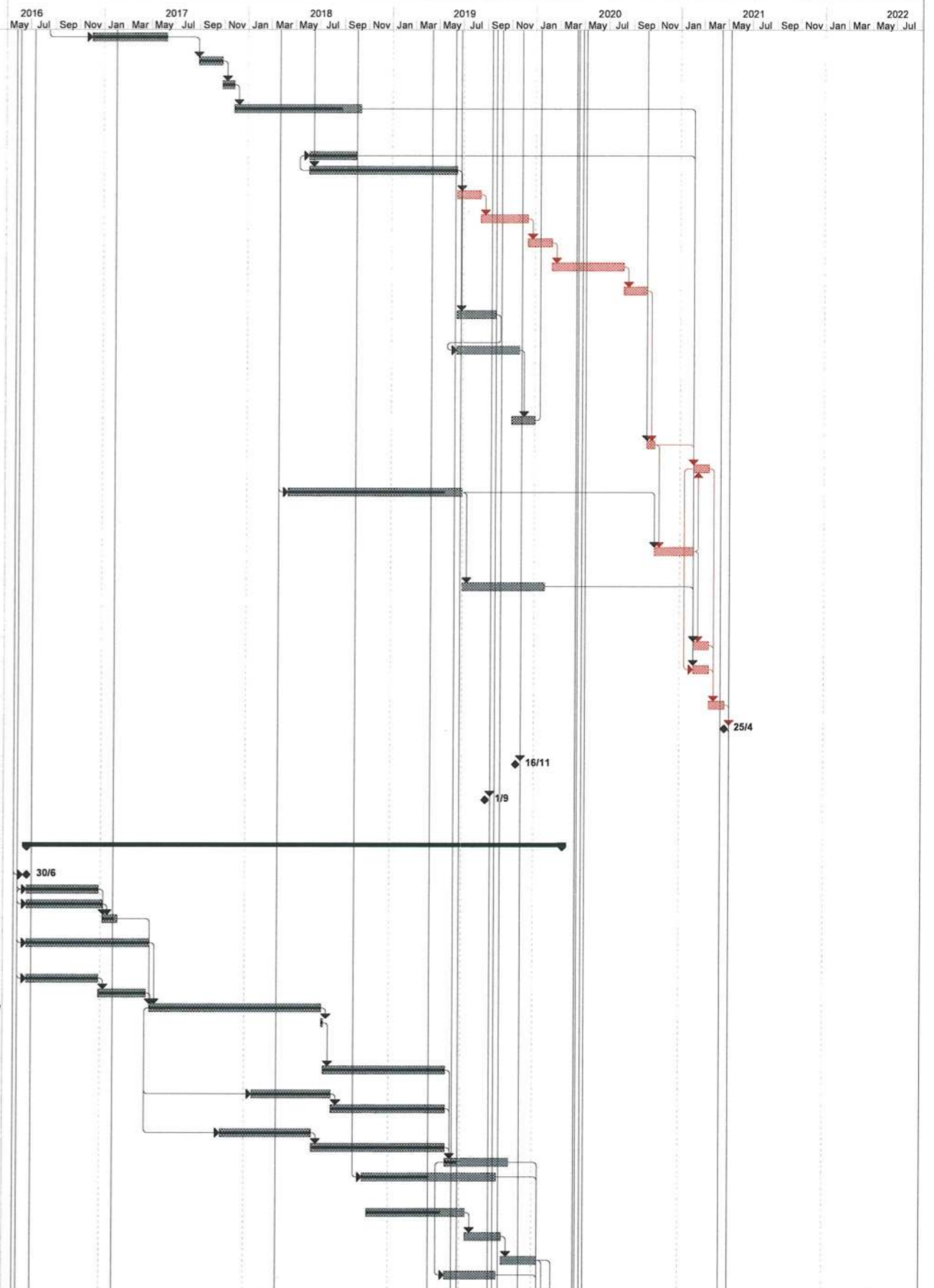
Task	Summary	External Milestone	Inactive Summary	Manual Summary Rollup	Finish-only	Progress
Split	Project Summary	Inactive Task	Manual Task	Manual Summary	Critical	Deadline
Milestone	External Tasks	Inactive Milestone	Duration-only	Start-only	Critical Split	

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME



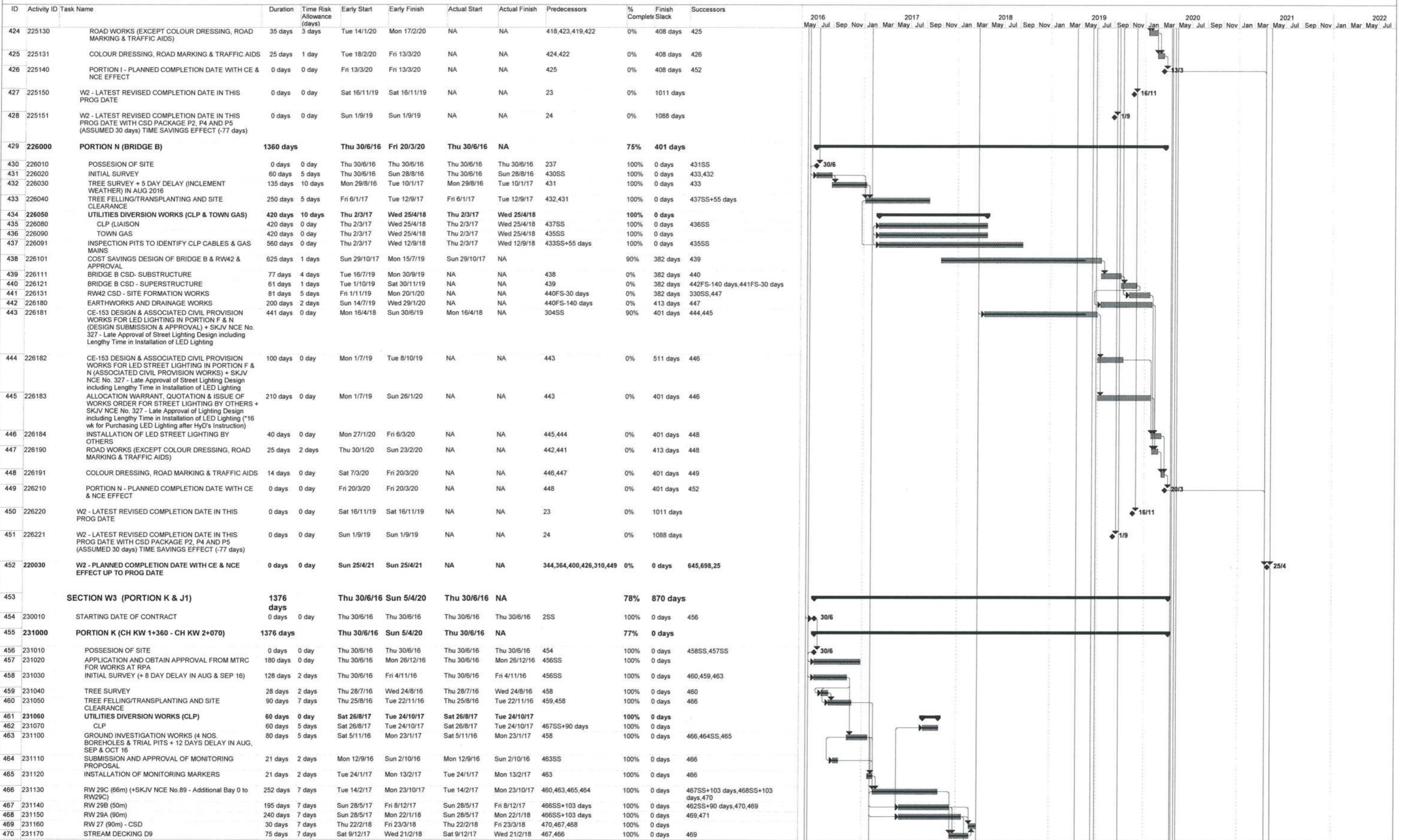
REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Complete	Finish Slack	Successors
378	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	369SS+95 days	100%	0 days	379FS+80 days
379	224120	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	60 days	2 days	Tue 29/8/17	Fri 27/10/17	Tue 29/8/17	Fri 27/10/17	378FS+80 days	100%	0 days	380
380	224130	INSTALLATION OF MONITORING MARKERS	30 days	2 days	Sat 28/10/17	Sun 26/11/17	Sat 28/10/17	Sun 26/11/17	379	100%	0 days	381
381	224140	RW 45A (73M) + DELAY DUE TO INCLEMENT WEATHER + CE-039 ROCKFILL ARRANGMENT BENEATH RW45A	320 days	10 days	Mon 27/11/17	Fri 12/10/18	Mon 27/11/17	NA	380	85%	846 days	398
382	224150	RW 45B - CSD and NCE 248	118 days	5 days	Tue 5/6/18	Sun 30/9/18	Tue 5/6/18	Sun 30/9/18	383SS	100%	0 days	398
383	224160	RW 49 + NCE No.164 Additional Rockfill and Revised Dimensions (BAY 5 TO 13)	376 days	5 days	Tue 5/6/18	Sat 15/6/19	Tue 5/6/18	Sat 15/6/19	373	100%	0 days	382SS,384,389
384	224161	RW 49 + NCE No.164 Additional Rockfill and Revised Dimensions (BAY 1 TO 4)	60 days		Sun 16/6/19	Wed 14/8/19	NA	NA	383	0%	0 days	385
385	224162	ADDITIONAL RETAINING WALL RW50 SKJV NCE No. 141 (BAY 1 TO BAY 4)	120 days	0 day	Thu 15/8/19	Thu 12/12/19	NA	NA	384	0%	0 days	386
386	224163	ADDITIONAL LENGTHENING OF RETAINING WALL RW49 SKJV NCE No. 141 (BAY 14 TO 15)	60 days		Fri 13/12/19	Mon 10/2/20	NA	NA	385	0%	0 days	387
387	224165	Additional utilities diversion near RW49 to RW50 to be diverted. (NCE NO. 160)	180 days		Tue 11/2/20	Sat 8/8/20	NA	NA	386	0%	0 days	388
388	224166	DRAINAGE, GULLIES AND ROAD WORKS FOR RE-ALIGNMENT CARRIAGEWAY FOR RW49 & RW50	60 days	0 day	Sun 9/8/20	Wed 7/10/20	NA	NA	387	0%	0 days	392
389	224170	DW1 & DW1A + SKJV NCE No. 241 Revised Layout of RW DW1, DW1A & DW2 + NCE No. 243 Revised RW No. DW1	100 days	10 days	Sun 16/6/19	Mon 23/9/19	NA	NA	383	0%	190 days	390FS-100 days
390	224180	DW2 (92M) + SKJV NCE No. 241 Revised Layout of RW DW1, DW1A & DW2 + NCE No.308 Suspension of Construction of RW DW2 due to Leakage of WSD Chamber + SKJV EW No. 41 - Conflict between Existing WSD Mains and Cycle Track	160 days	10 days	Sun 16/6/19	Fri 22/11/19	NA	NA	389FS-100 days	0%	190 days	391FS-20 days
391	224190	DRAINAGE WORKS ALONG DW1, DW1A & DW2	60 days	14 days	Sun 3/11/19	Wed 1/1/20	NA	NA	390FS-20 days	0%	190 days	375
392	224191	TTA AND REALIGNMENT OF CASTLE PEAK ROAD NEAR RW49, RW50, DW1 & DW2	20 days		Thu 8/10/20	Tue 27/10/20	NA	NA	375,376,377,388	0%	0 days	393,395
393	224192	ROAD WORKS FOR REALIGNMENT CARRIAGEWAY FOR DW1 & DW2	40 days	0 day	Fri 5/2/21	Tue 16/3/21	NA	NA	392,395	0%	0 days	398SS,399
394	224193	CE-157 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED LIGHTING CH. ST0+700m TO ST1+700m (DESIGN SUBMISSION & APPROVAL) + SKJV NCE No. 327 - Late Approval of Street Lighting Design including Lengthy Time in Installation of LED	441 days	0 day	Mon 16/4/18	Sun 30/6/19	Mon 16/4/18	NA	304SS	90%	375 days	395,396
395	224194	CE-157 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED LIGHTING CH. ST0+700m TO ST1+700m (ASSOCIATED CIVIL PROVISION WORKS)	100 days	0 day	Wed 28/10/20	Thu 4/2/21	NA	NA	394,392	0%	0 days	397,393
396	224195	ALLOCATION WARRANT, QUOTATION & ISSUE OF WORKS ORDER FOR STREET LIGHTING BY OTHERS + SKJV NCE No. 327 - Late Approval of Lighting Design including Lengthy Time in Installation of LED Lighting (*16 wk for Purchasing LED Lighting after HyD's Instruction)	210 days	0 day	Mon 1/7/19	Sun 26/1/20	NA	NA	394	0%	375 days	397
397	224196	INSTALLATION OF LED STREET LIGHTING BY OTHERS	40 days	0 day	Fri 5/2/21	Tue 16/3/21	NA	NA	396,395	0%	0 days	399
398	224220	ROAD WORKS (EXCEPT COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS)	40 days	3 days	Fri 5/2/21	Tue 16/3/21	NA	NA	381,382,393SS	0%	0 days	399
399	224221	COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS	40 days	2 days	Wed 17/3/21	Sun 25/4/21	NA	NA	398,397,393	0%	0 days	400
400	224230	PORTION H - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Sun 25/4/21	Sun 25/4/21	NA	NA	399	0%	0 days	452
401	224240	W2 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 16/11/19	Sat 16/11/19	NA	NA	23	0%	1011 days	16/11
402	224241	W2 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE WITH CSD PACKAGE P2, P4 AND P5 (ASSUMED 30 days) TIME SAVINGS EFFECT (-77 days)	0 days	0 day	Sun 1/9/19	Sun 1/9/19	NA	NA	24	0%	1088 days	1/9
403	225000	PORTION I (SUBWAY D)	1353 days		Thu 30/6/16	Fri 13/3/20	Thu 30/6/16	NA		81%	893 days	
404	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	405SS
405	225020	INITIAL SURVEY	180 days	14 days	Thu 30/6/16	Mon 26/12/16	Thu 30/6/16	Mon 26/12/16	404SS	100%	0 days	406SS,407
406	225030	TREE SURVEY	190 days	14 days	Thu 30/6/16	Thu 5/1/17	Thu 30/6/16	Thu 5/1/17	405SS	100%	0 days	407
407	225040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	38 days	2 days	Fri 6/1/17	Sun 12/2/17	Fri 6/1/17	NA	406,405	79%	2018 days	411
408	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	237SS	100%	0 days	411
409	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	410
410	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	409	100%	0 days	411
411	225080	SUBWAY D CONSTRUCTION, BAY 9 - 11	435 days	10 days	Sat 6/5/17	Sat 14/7/18	Sat 6/5/17	Sat 14/7/18	410,407,408	100%	0 days	412,414SS+260 days,416SS+180 day
412	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	Sun 15/7/18	Thu 19/7/18	411	100%	0 days	413
413	225086	SUBWAY D CONSTRUCTION, BAY 7 TO 8 & PUMP HOUSE	310 days	10 days	Fri 20/7/18	Sat 25/5/19	Fri 20/7/18	Sat 25/5/19	412	100%	0 days	418
414	225090	SUBWAY D CONSTRUCTION, BAY 15 TO 17	200 days	5 days	Sun 21/1/18	Wed 8/8/18	Sun 21/1/18	Wed 8/8/18	411SS+260 days	100%	0 days	415
415	225091	SUBWAY D CONSTRUCTION, BAY 12 TO 14	290 days	10 days	Thu 9/8/18	Sat 25/5/19	Thu 9/8/18	Sat 25/5/19	414	100%	0 days	418
416	225092	SUBWAY D CONSTRUCTION, BAY 4 TO 6	230 days	10 days	Thu 2/11/17	Tue 19/6/18	Thu 2/11/17	Tue 19/6/18	411SS+180 days	100%	0 days	417
417	225093	SUBWAY D CONSTRUCTION, BAY 1 TO 3	340 days	10 days	Wed 20/6/18	Sat 25/5/19	Wed 20/6/18	Sat 25/5/19	416	100%	0 days	418
418	225110	FINISHING WORKS AND E&M WORKS	160 days	6 days	Sun 26/5/19	Fri 1/11/19	NA	NA	417,415,413	20%	481 days	424,423SS
419	225111	SKJV NCE No. 181 - ADDITIONAL FLOODING WARNING SYSTEM FOR SUBWAYWAY A & D	342 days	0 day	Fri 26/10/18	Wed 2/10/19	Fri 26/10/18	NA	134SS	50%	511 days	424
420	225112	ROOFING - MATERIAL SUBMISSION AND APPROVAL	250 days	0 day	Thu 8/11/18	Mon 15/7/19	Thu 8/11/18	NA		76%	408 days	421
421	225113	ROOFING - ORDER, MANUFACTURING & DELIVER	92 days	0 day	Tue 16/7/19	Tue 15/10/19	NA	NA	420	0%	408 days	422
422	225114	ROOFING - INSTALLATION	90 days	0 day	Wed 16/10/19	Mon 13/1/20	NA	NA	421	0%	408 days	425,424
423	225120	EARTHWORKS AND DRAINAGE WORKS	130 days	3 days	Sun 26/5/19	Wed 2/10/19	NA	NA	418SS	0%	511 days	424



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



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	% Complete	Finish Slack	Successors	Gantt Chart (2016-2022)																																															
471	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 +4910)	298 days	21 days	Tue 23/11/18	Fri 16/11/18	Tue 23/1/18	Fri 16/11/18	468	100%	0 days	476	[Gantt bar for 471: 23/1/18 to 16/11/18, 100% complete]																																															
472	231181	CE-100 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTINGS IN PORTION A TO D, K & L (DESIGN SUBMISSION & APPROVAL) + SKJV NCE No.327 - Late Approval of Street Lighting Design including Lengthy Time in Installation of LED Lighting	441 days	0 day	Mon 16/4/18	Sun 30/6/19	Mon 16/4/18	NA	304SS	90%	0 days	473,474	[Gantt bar for 472: 16/4/18 to 30/6/19, 90% complete]																																															
473	231182	CE-100 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION A TO D, K & L (ASSOCIATED CIVIL PROVISION WORKS)	100 days	0 day	Mon 1/7/19	Tue 8/10/19	NA	NA	472	0%	110 days	475	[Gantt bar for 473: 1/7/19 to 8/10/19, 0% complete]																																															
474	231183	ALLOCATION WARRANT, QUOTATION & ISSUE OF WORKS ORDER FOR STREET LIGHTING BY OTHERS + SKJV NCE No. 327 - Late Approval of Lighting Design including Lengthy Time in Installation of LED Lighting (*16 wk for Purchasing LED Lighting after HyD's Instruction)	210 days	0 day	Mon 1/7/19	Sun 26/1/20	NA	NA	472	0%	0 days	475	[Gantt bar for 474: 1/7/19 to 26/1/20, 0% complete]																																															
475	231184	INSTALLATION OF LED STREET LIGHTING BY OTHERS	40 days	0 day	Mon 27/1/20	Fri 6/3/20	NA	NA	474,473	0%	0 days	477	[Gantt bar for 475: 27/1/20 to 6/3/20, 0% complete]																																															
476	231190	ROAD WORKS (EXCEPT COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS)	190 days	21 days	Sat 17/11/18	Sat 25/5/19	NA	NA	471	0%	286 days	477	[Gantt bar for 476: 17/11/18 to 25/5/19, 0% complete]																																															
477	231191	COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS	30 days	0 day	Sat 7/3/20	Sun 5/4/20	NA	NA	476,475	0%	0 days	482,485	[Gantt bar for 477: 7/3/20 to 5/4/20, 0% complete]																																															
478	232000	<b>PORTION J1</b>	<b>1316 days</b>		<b>Sun 28/8/16</b>	<b>Sun 5/4/20</b>	<b>Sun 28/8/16</b>	<b>NA</b>		<b>99%</b>	<b>870 days</b>		[Summary bar for 478: 28/8/16 to 5/4/20, 99% complete]																																															
479	232010	POSSESSION OF SITE (J1)	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	610FS+60 days	100%	0 days	480SS	[Milestone for 479: 28/8/16]																																															
480	232020	INITIAL SURVEY	45 days	4 days	Mon 29/8/16	Wed 12/10/16	Mon 29/8/16	Wed 12/10/16	479SS	100%	0 days	481	[Gantt bar for 480: 29/8/16 to 12/10/16, 100% complete]																																															
481	232030	SITE INVESTIGATION	90 days	10 days	Thu 13/10/16	Tue 10/1/17	Thu 13/10/16	Tue 10/1/17	480	100%	0 days	485	[Gantt bar for 481: 13/10/16 to 10/1/17, 100% complete]																																															
482	232031	PORTION K - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Sun 5/4/20	Sun 5/4/20	NA	NA	477	0%	870 days		[Milestone for 482: 5/4/20]																																															
483	232032	W3 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Thu 30/5/19	Thu 30/5/19	NA	NA	33	0%	1181 days		[Milestone for 483: 30/5/19]																																															
484	232033	W3 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE WITH CSD PACKAGE P3 TIME SAVINGS EFFECT (-60 days)	0 days	0 day	Mon 1/4/19	Mon 1/4/19	NA	NA	34	0%	1241 days		[Milestone for 484: 1/4/19]																																															
485	230040	W3 - PLANNED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT UP TO THIS PROG DATE	0 days	0 day	Sun 5/4/20	Sun 5/4/20	NA	NA	481,477	0%	0 days	702,645,35	[Milestone for 485: 5/4/20]																																															
486	230050	<b>SECTION W4 PUBLIC TOILET</b>	<b>630 days</b>		<b>Thu 30/6/16</b>	<b>Wed 21/3/18</b>	<b>Thu 30/6/16</b>	<b>Wed 21/3/18</b>		<b>100%</b>	<b>0 days</b>		[Summary bar for 486: 30/6/16 to 21/3/18, 100% complete]																																															
536	241465	W4 (PORTION L) - LATEST REVISED COMPLETION DATE	1 day	0 day	Wed 21/3/18	Wed 21/3/18	Wed 21/3/18	Wed 21/3/18	41	100%	0 days		[Milestone for 536: 21/3/18]																																															
537	241480	W4 - 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	Wed 21/3/18	Wed 21/3/18	535	100%	0 days	706,645,41	[Milestone for 537: 21/3/18]																																															
538	250000	<b>SECTION W5 (PORTION M)</b>	<b>1371 days</b>		<b>Thu 30/6/16</b>	<b>Tue 31/3/20</b>	<b>Thu 30/6/16</b>	<b>NA</b>		<b>77%</b>	<b>875 days</b>		[Summary bar for 538: 30/6/16 to 31/3/20, 77% complete]																																															
539	250010	STARTING DATE OF CONTRACT	1 day	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days	542SS	[Milestone for 539: 30/6/16]																																															
540	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	100%	0 days	551	[Gantt bar for 540: 30/6/16 to 27/10/17, 100% complete]																																															
541	251000	<b>PORTION M (BRIDGE E)</b>	<b>1371 days</b>		<b>Thu 30/6/16</b>	<b>Tue 31/3/20</b>	<b>Thu 30/6/16</b>	<b>NA</b>		<b>74%</b>	<b>0 days</b>		[Summary bar for 541: 30/6/16 to 31/3/20, 74% complete]																																															
542	251010	POSSESSION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	539SS	100%	0 days	543SS,546SS,544SS	[Milestone for 542: 30/6/16]																																															
543	251020	INITIAL SURVEY	63 days	2 days	Thu 30/6/16	Wed 31/8/16	Thu 30/6/16	Wed 31/8/16	542SS	100%	0 days	549	[Gantt bar for 543: 30/6/16 to 31/8/16, 100% complete]																																															
544	251030	TREE SURVEY	28 days	2 days	Thu 30/6/16	Wed 27/7/16	Thu 30/6/16	Wed 27/7/16	542SS	100%	0 days	545	[Gantt bar for 544: 30/6/16 to 27/7/16, 100% complete]																																															
545	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	544	100%	0 days	549SS+10 days	[Gantt bar for 545: 28/7/16 to 30/11/17, 100% complete]																																															
546	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	542SS	100%	0 days	547	[Gantt bar for 546: 30/6/16 to 13/8/16, 100% complete]																																															
547	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	546	100%	0 days	548	[Gantt bar for 547: 14/8/16 to 27/8/16, 100% complete]																																															
548	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	547	100%	0 days	549	[Milestone for 548: 1/11/16]																																															
549	251080	TEMPORARY DRAINAGE WORKS	30 days	4 days	Tue 1/11/16	Wed 30/1/16	Tue 1/11/16	Wed 30/1/16	548,543,545SS+10 days	100%	0 days	550	[Gantt bar for 549: 1/11/16 to 30/1/16, 100% complete]																																															
550	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	549	100%	0 days	551	[Gantt bar for 550: 1/12/16 to 7/12/16, 100% complete]																																															
551	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	550,540	100%	0 days	552,553FS+7 days	[Gantt bar for 551: 15/1/17 to 21/1/17, 100% complete]																																															
552	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	551	100%	0 days		[Gantt bar for 552: 1/3/17 to 7/3/17, 100% complete]																																															
553	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	551FS+7 days	100%	0 days	554	[Gantt bar for 553: 8/3/17 to 31/3/17, 100% complete]																																															
554	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	553	100%	0 days	555FS+216 days,556	[Milestone for 554: 31/3/17]																																															
555	251140	SUBMISSION, APPROVAL, PROCURE AND DELIVERY OF BEARINGS AND MOVEMENT JOINTS	450 days	30 days	Fri 3/11/17	Sat 26/1/19	Fri 3/11/17	Sat 26/1/19	554FS+216 days	100%	0 days	572	[Gantt bar for 555: 3/11/17 to 26/1/19, 100% complete]																																															
556	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	554	100%	0 days	557	[Gantt bar for 556: 1/4/17 to 6/5/17, 100% complete]																																															
557	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	556	100%	0 days	558	[Gantt bar for 557: 7/5/17 to 1/8/17, 100% complete]																																															
558	251170	STARTING DATE OF DRY SEASON	1 day	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	557	100%	0 days	559,586SS+30 days	[Milestone for 558: 1/11/17]																																															
559	251180	TEMPORARY DRAINAGE WORKS	15 days	2 days	Wed 1/11/17	Wed 15/11/17	Wed 1/11/17	Wed 15/11/17	558	100%	0 days	560,561	[Gantt bar for 559: 1/11/17 to 15/11/17, 100% complete]																																															
560	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	559	100%	0 days	562,563,576	[Gantt bar for 560: 16/11/17 to 10/12/17, 100% complete]																																															
561	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	559	100%	0 days	562,563	[Gantt bar for 561: 16/11/17 to 10/12/17, 100% complete]																																															
562	251225	PILE LOAD TEST	50 days	1 day	Mon 11/12/17	Mon 29/1/18	Mon 11/12/17	Mon 29/1/18	560,561	100%	0 days	564FS+18 days	[Gantt bar for 562: 11/12/17 to 29/1/18, 100% complete]																																															
563	251230	PILE CAP CONSTRUCTION	90 days	1 day	Mon 11/12/17	Sat 10/3/18	Mon 11/12/17	Sat 10/3/18	560,561	100%	0 days	564	[Gantt bar for 563: 11/12/17 to 10/3/18, 100% complete]																																															
564	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	562FS+18 days,563	100%	0 days	565	[Gantt bar for 564: 11/3/18 to 31/3/18, 100% complete]																																															
565	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	564	100%	0 days		[Milestone for 565: 31/3/18]																																															
566	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	565	100%	0 days	567	[Gantt bar for 566: 1/11/17 to 14/11/17, 100% complete]																																															
567	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	566	100%	0 days	568	[Gantt bar for 567: 8/11/17 to 5/12/17, 100% complete]																																															
568	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	567	100%	0 days	569	[Gantt bar for 568: 6/12/17 to 15/2/18, 100% complete]																																															
569	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	Thu 15/3/18	568	100%	0 days	570	[Gantt bar for 569: 16/2/18 to 15/3/18, 100% complete]																																															



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	% Complete	Finish Slack	Successors	Gantt Chart (2016-2022)																											
570	251270	PILE CAP & COLUMN AT GRID 1	320 days	3 days	Fri 16/3/18	Tue 29/1/19	Fri 16/3/18	Tue 29/1/19	569	100%	0 days	571	[Gantt Chart Data]																											
571	251275	RAMP & RETAINING WALL AT GRID 1	115 days	2 days	Wed 30/1/19	Fri 24/5/19	Wed 30/1/19	Fri 24/5/19	570	100%	0 days		[Gantt Chart Data]																											
572	251285	INSTALLATION OF MJ	70 days	0 day	Sat 25/5/19	Fri 2/8/19	NA	NA	555	0%	30 days	573	[Gantt Chart Data]																											
573	251290	DRAINAGE & ROADWORKS AT GRID 1	60 days	4 days	Sat 3/8/19	Tue 1/10/19	Sat 3/8/19	NA	572	50%	137 days	592	[Gantt Chart Data]																											
574	251300	STARTING DATE OF DRY SEASON	1 day	0 day	Thu 1/11/18	Thu 1/11/18	Thu 1/11/18	Thu 1/11/18	574	100%	0 days	575	[Gantt Chart Data]																											
575	251305	TEMPORARY DRAINAGE WORKS	7 days	2 days	Thu 1/11/18	Wed 7/11/18	Thu 1/11/18	Wed 7/11/18	574	100%	0 days	587,577,586	[Gantt Chart Data]																											
576	251310	PIER AT GRID 2	34 days	2 days	Mon 11/12/17	Sat 13/1/18	Mon 11/12/17	Sat 13/1/18	560	100%	0 days	577	[Gantt Chart Data]																											
577	251315	BRIDGE DECK CONSTRUCTION	140 days	10 days	Thu 8/11/18	Wed 27/3/19	Thu 8/11/18	Wed 27/3/19	575,576	100%	0 days	578,583	[Gantt Chart Data]																											
578	251320	REMOVAL OF TEMPORARY DRAINAGE WORK	4 days	2 days	Thu 28/3/19	Sun 31/3/19	Thu 28/3/19	Sun 31/3/19	577	100%	0 days	579,583,580	[Gantt Chart Data]																											
579	251330	END DATE OF DRY SEASON	1 day	0 day	Sun 31/3/19	Sun 31/3/19	Sun 31/3/19	Sun 31/3/19	578	100%	0 days		[Gantt Chart Data]																											
580	251331	INSTALLATION OF STEEL STRUCTURAL ROOF ON BRIDGE DECK	150 days	0 day	Mon 14/1/19	Wed 28/8/19	Mon 14/1/19	NA	578,582FS-100 days	70%	121 days	585	[Gantt Chart Data]																											
581	251341	NCE ISSUES FOR INSTALLATION OF ROOFING TOP - SKJV NCE No. 215 - ROOFING SYSTEM IF BRIDGE E & SKJV EW No.55 - ROOFING SYSTEM OF BRIDGE E	185 days	0 day	Wed 28/11/18	Fri 31/5/19	NA	NA		0%	0 days	582	[Gantt Chart Data]																											
582	251342	SUBMISSION OF SHOP DRAWING AND APPROVAL	30 days		Sat 1/6/19	Sun 30/6/19	NA	NA	581	0%	0 days	583,580FS-100 days	[Gantt Chart Data]																											
583	251343	ORDER & MANUFACTURING OF STEEL STRUCTURAL ROOF ON BRIDGE DECK AT GRID 1 & 3	120 days	5 days	Mon 1/7/19	Mon 28/10/19	NA	NA	578,577,582	0%	0 days	584	[Gantt Chart Data]																											
584	251344	INSTALLATION OF STEEL STRUCTURAL ROOF ON BRIDGE DECK AT GRID 1 & 3	60 days		Tue 29/10/19	Fri 27/12/19	NA	NA	583	0%	0 days	585	[Gantt Chart Data]																											
585	251360	RAILING, DRAINAGE & E&M WORKS	50 days	4 days	Sat 28/12/19	Sat 15/2/20	NA	NA	580,584	0%	0 days	592	[Gantt Chart Data]																											
586	251361	ADDITION OF RETAINING WALL RW30A (SKJV NCE No. 98) + SKJV NCE No. 175 Delay of Watermain Diversion Works in RW30A, NCE No. 182 - Trimming of Existing Bend Block of Watermain & NCE No. 283 Diversion of Watermain in RW30A	289 days	0 day	Sat 1/12/18	Sun 15/9/19	Sat 1/12/18	NA	558SS+30 days,575	72%	153 days	592	[Gantt Chart Data]																											
587	251362	ADDITION OF RETAINING WALL RW30B (SKJV NCE No. 98)	200 days	0 day	Thu 8/11/18	Sun 26/5/19	Thu 8/11/18	Sun 26/5/19	575	100%	0 days	592	[Gantt Chart Data]																											
588	251363	CE-165 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION J & M (DESIGN SUBMISSION & APPROVAL) + SKJV NCE No.327 - Late Approval of Street Lighting Design including Lengthy Time in Installation of LED Lighting	441 days	0 day	Mon 16/4/18	Sun 30/6/19	Mon 16/4/18	NA	304SS	90%	0 days	589,590	[Gantt Chart Data]																											
589	251364	CE-165 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION J & M (ASSOCIATED CIVIL PROVISION WORKS)	100 days	0 day	Mon 1/7/19	Tue 8/10/19	NA	NA	588	0%	110 days	591	[Gantt Chart Data]																											
590	251365	ALLOCATION WARRANT, QUOTATION & ISSUE OF WORKS ORDER FOR STREET LIGHTING BY OTHERS + SKJV NCE No. 327 - Late Approval of Lighting Design including Lengthy Time in Installation of LED Lighting (*16 wk for Purchasing LED Lighting after HyD's Instruction)	210 days	0 day	Mon 1/7/19	Sun 26/1/20	NA	NA	588	0%	0 days	591	[Gantt Chart Data]																											
591	251366	INSTALLATION OF LED STREET LIGHTING BY OTHERS	40 days	0 day	Mon 27/1/20	Fri 6/3/20	NA	NA	589,590	0%	0 days	593	[Gantt Chart Data]																											
592	251370	ROAD WORKS (EXCEPT COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS)	20 days	4 days	Sun 16/2/20	Fri 6/3/20	NA	NA	573,587,586,585	0%	0 days	593	[Gantt Chart Data]																											
593	251371	COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS	25 days	0 day	Sat 7/3/20	Tue 31/3/20	NA	NA	592,591	0%	0 days	594	[Gantt Chart Data]																											
594	251385	PORTION M - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Tue 31/3/20	Tue 31/3/20	NA	NA	593	0%	0 days	596	[Gantt Chart Data]																											
595	251390	W5 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Wed 11/9/19	Wed 11/9/19	NA	NA	47	0%	1077 days		[Gantt Chart Data]																											
596	251390	W5 - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Tue 31/3/20	Tue 31/3/20	NA	NA	594	0%	0 days	48,710,645	[Gantt Chart Data]																											
597	260000	SECTION W6 (PORTION P)	716 days		Thu 30/6/16	Fri 15/6/18	Thu 30/6/16	Fri 15/6/18		100%	0 days		[Gantt Chart Data]																											
609	270000	SECTION W7 (PORTION J1, J2 & J3)	1395 days		Thu 30/6/16	Fri 24/4/20	Thu 30/6/16	NA		73%	851 days		[Gantt Chart Data]																											
610	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	479FS+60 days,613FS+250 days,612	[Gantt Chart Data]																											
611	271000	PORTION J2, J3	1145 days		Tue 7/3/17	Fri 24/4/20	Tue 7/3/17	NA		73%	0 days		[Gantt Chart Data]																											
612	271010	INSTRUCTION TO EXECISE	0 days	0 day	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17	Tue 7/3/17	610	100%	0 days	613SS,614SS	[Gantt Chart Data]																											
613	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	612SS,610FS+250 days	100%	0 days	615FS+200 days,616SS,617SS	[Gantt Chart Data]																											
614	271030	APPLICATION OF EXCAVATION PERMIT	200 days	0 day	Tue 7/3/17	Fri 22/9/17	Tue 7/3/17	Fri 22/9/17	612SS	100%	0 days	633	[Gantt Chart Data]																											
615	271040	CONDITION SURVEY FOR PERMANENT STRUCTURE ADJACENT TO 2 STORES HEIGHT TEMP. BLDG @ APPROX. CH. K0+900	30 days	2 days	Sat 23/9/17	Sun 22/10/17	Sat 23/9/17	Sun 22/10/17	613FS+200 days	100%	0 days	633	[Gantt Chart Data]																											
616	271050	INITIAL SURVEY	190 days	2 days	Tue 7/3/17	Tue 12/9/17	Tue 7/3/17	Tue 12/9/17	613SS	100%	0 days	618	[Gantt Chart Data]																											
617	271060	TREE SURVEY	90 days	2 days	Tue 7/3/17	Sun 4/6/17	Tue 7/3/17	Sun 4/6/17	613SS	100%	0 days	618	[Gantt Chart Data]																											
618	271070	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	200 days	3 days	Mon 5/6/17	Thu 21/12/17	Mon 5/6/17	Thu 21/12/17	617	100%	0 days	620,623FS-50 days	[Gantt Chart Data]																											
619	271072	UTILITIES DIVERSION WORKS (CLP, WSD)	90 days	3 day	Fri 22/12/17	Wed 21/3/18	Fri 22/12/17	Wed 21/3/18	618	100%	0 days	621SS	[Gantt Chart Data]																											
620	271074	CLP	90 days	3 days	Fri 22/12/17	Wed 21/3/18	Fri 22/12/17	Wed 21/3/18	618	100%	0 days	621SS	[Gantt Chart Data]																											
621	271076	WSD	90 days	3 days	Fri 22/12/17	Wed 21/3/18	Fri 22/12/17	Wed 21/3/18	620SS	100%	0 days	621SS	[Gantt Chart Data]																											
622	271080	RW 46 + SKJV NCE No. 190 - Amendment of Arrangement of Bay 0	560 days	7 days	Sun 21/1/18	Sat 3/8/19	Sun 21/1/18	NA	623SS+80 days	90%	30 days	628SS+215 days,624SS+250 days,634	[Gantt Chart Data]																											
623	271090	RW 47 - CSD	640 days	0 day	Thu 2/11/17	Sat 3/8/19	Thu 2/11/17	NA	618FS-50 days	90%	30 days	622SS+80 days,634	[Gantt Chart Data]																											
624	271100	RW 48 + SKJV NCE No. 192 - Revised Details of RW + NCE No.219 Existing 132kV Cables and Joint Box at Castle Peak Road in Conflict with Construction Works + NCE No. 226 Trial Pits Excavation & Torodial Cable Detection + NCE No. 384 Revised Details of RW	460 days	5 days	Fri 28/9/18	Tue 31/12/19	Fri 28/9/18	NA	622SS+250 days	90%	0 days	634FS-120 days	[Gantt Chart Data]																											
625	271110	RW24A + SKJV NCE No. 146 - Revised Bay 1 & 2 and Additional Bay 3 to Bay 6 + NCE No. 171 - Reinforcement and Const. Details + NCE No. 177 - Bay 1 to 3 as Obstructed by Existing Utilities + NCE No. 202 - Additional Bay 1A + NCE No.278 Suspension in Const.	330 days	2 days	Mon 8/10/18	Mon 2/9/19	Mon 8/10/18	NA	628SS+15 days	80%	0 days	634	[Gantt Chart Data]																											
626	271120	RW 24B	90 days	2 days	Thu 11/4/19	Tue 9/7/19	NA	NA		0%	0 days	627	[Gantt Chart Data]																											
627	271130	RW 24C + SKJV NCE No. 307 - Additional Retaining Wall RW24C, Box Culvert D8A and Drainage System	124 days	7 days	Wed 10/7/19	Sun 10/11/19	Wed 10/7/19	NA	626	0%	0 days	634FS-69 days	[Gantt Chart Data]																											
628	271140	RW 25 + SKJV NCE No. 147 - Revised Setting Out + NCE No. 194 - Backfilling using Filter Type A between SP and RW + NCE No.231 - Excavation of Trial Pits	280 days	7 days	Fri 24/8/18	Thu 30/5/19	Fri 24/8/18	Thu 30/5/19	622SS+215 days	100%	0 days	625SS+15 days,630SS,632SS+30 days,629	[Gantt Chart Data]																											
629		RW24AA AND ADDITIONAL DRAINAGE; NCE 389	215 days		Fri 31/5/19	Tue 31/12/19	NA	NA	628	0%	0 days	634FS-120 days	[Gantt Chart Data]																											

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	% Complete	Finish Slack	Successors	Gantt Chart (2016-2022)																							
630	271150	RW 26 + SKJV NCE No.169 - Using Granular Fill for Backfilling	100 days	2 days	Fri 24/8/18	Sat 1/12/18	Fri 24/8/18	Sat 1/12/18	628SS	100%	0 days	631	[Gantt Chart]																							
631	271160	STREAM DECKING D8 + SKJV NCE No.307 - Additional Retaining Wall RW24C and box culvert 8A	62 days	2 days	Sun 2/12/18	Fri 1/2/19	Sun 2/12/18	Fri 1/2/19	630	100%	0 days		[Gantt Chart]																							
632	271170	PROVIDE SAFETY ACCESS TO RESIDENT	21 days	2 days	Sun 23/9/18	Sat 13/10/18	Sun 23/9/18	Sat 13/10/18	628SS+30 days	100%	0 days	633	[Gantt Chart]																							
633	271180	DEMOLITION OF EXISTING STRUCTURE @ APPROX. CH.KW0+900	21 days	3 days	Sun 14/10/18	Sat 3/11/18	Sun 14/10/18	Sat 3/11/18	632,615	100%	0 days	639	[Gantt Chart]																							
634	271190	EARTHWORKS AND DRAINAGE WORKS	180 days	10 days	Tue 3/9/19	Sat 29/2/20	NA	NA	629FS-120 days, 624FS-120	0%	0 days	639	[Gantt Chart]																							
635	271191	CE-165 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION J & M (DESIGN SUBMISSION & APPROVAL) + SKJV NCE No.327 - Late Approval of Street Lighting Design including Lengthly Time in Installation of LED Lighting	441 days	0 day	Mon 16/4/18	Sun 30/6/19	Mon 16/4/18	NA	304SS	90%	24 days	636,637	[Gantt Chart]																							
636	271192	CE-165 DESIGN & ASSOCIATED CIVIL PROVISION WORKS FOR LED STREET LIGHTING IN PORTION J & M (ASSOCIATED CIVIL PROVISION WORKS)	100 days	0 day	Sat 19/10/19	Sun 26/1/20	NA	NA	635,637FS-100 days	0%	24 days	638	[Gantt Chart]																							
637	271193	ALLOCATION WARRANT, QUOTATION & ISSUE OF WORKS ORDER FOR STREET LIGHTING BY OTHERS + SKJV NCE No. 327 - Late Approval of Lighting Design including Lengthly Time in Installation of LED Lighting (*16 wk for Purchasing LED Lighting after HyD's Instruction)	210 days	0 day	Mon 1/7/19	Sun 26/1/20	NA	NA	635	0%	24 days	638,636FS-100 days	[Gantt Chart]																							
638	271194	INSTALLATION OF LED STREET LIGHTING BY OTHERS	40 days	0 day	Mon 27/1/20	Fri 6/3/20	NA	NA	637,636	0%	24 days	640	[Gantt Chart]																							
639	271200	ROAD WORKS (EXCEPT COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS)	30 days	7 days	Sun 1/3/20	Mon 30/3/20	NA	NA	634	0%	0 days	640	[Gantt Chart]																							
640	271201	COLOUR DRESSING, ROAD MARKING & TRAFFIC AIDS	25 days	0 day	Tue 31/3/20	Fri 24/4/20	NA	NA	639,638	0%	0 days	641	[Gantt Chart]																							
641	271205	PORTON J2/J3 - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Fri 24/4/20	Fri 24/4/20	NA	NA	640	0%	0 days	644	[Gantt Chart]																							
642	271210	W7 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Fri 14/6/19	Fri 14/6/19	NA	NA	60	0%	1166 days	643FS-60 days	[Gantt Chart]																							
643	271211	W7 - LATEST REVISED COMPLETION DATE IN THIS PROG DATE WITH CSD PACKAGE P1 TIME SAVINGS EFFECT (-60 days)	0 days	0 day	Tue 16/4/19	Tue 16/4/19	NA	NA	642FS-60 days	0%	1226 days		[Gantt Chart]																							
644	271215	W7 - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Fri 24/4/20	Fri 24/4/20	NA	NA	641	0%	0 days	645,62,718	[Gantt Chart]																							
645	200010	SECTION W1 TO W7 - PLANNED COMPLETION DATE WITH CE & NCE EFFECT	0 days	0 day	Sun 25/4/21	Sun 25/4/21	NA	NA	608,537,485,452,235,644,5	0%	485 days		[Gantt Chart]																							
646	300000	LANDSCAPING SOFTWARES AND ESTABLISHMENT WORK	2246 days		Thu 30/6/16	Tue 23/8/22	Thu 30/6/16	NA		0%	0 days		[Gantt Chart]																							
647	300010	ACCESS DATES AND COMPLETION DATES FOR CONTRACTS	1064 days		Mon 23/4/18	Mon 22/3/21	Mon 23/4/18	NA		99%	520 days		[Gantt Chart]																							
648	300020	SECTION W8A	60 days		Thu 4/7/19	Mon 2/9/19	NA	NA		0%	1087 days		[Gantt Chart]																							
649	300031	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Mon 2/9/19	Mon 2/9/19	NA	NA		0%	1087 days	650FS-60 days	[Gantt Chart]																							
650	300041	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Thu 4/7/19	Thu 4/7/19	NA	NA	649FS-60 days	0%	1147 days		[Gantt Chart]																							
651	300050	SECTION W8B	77 days		Fri 3/1/20	Fri 20/3/20	NA	NA		0%	887 days		[Gantt Chart]																							
652	300061	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Fri 20/3/20	Fri 20/3/20	NA	NA		0%	887 days	653FS-77 days	[Gantt Chart]																							
653	300071	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Fri 3/1/20	Fri 3/1/20	NA	NA	652FS-77 days	0%	964 days		[Gantt Chart]																							
654	300080	SECTION W8C	60 days		Fri 28/6/19	Tue 27/8/19	NA	NA		0%	1093 days		[Gantt Chart]																							
655	300091	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Tue 27/8/19	Tue 27/8/19	NA	NA		0%	1093 days	656FS-60 days	[Gantt Chart]																							
656	300101	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Fri 28/6/19	Fri 28/6/19	NA	NA	655FS-60 days	0%	1153 days		[Gantt Chart]																							
657	300110	SECTION W8D	1 day		Mon 23/4/18	Mon 23/4/18	Mon 23/4/18	Mon 23/4/18		100%	0 days		[Gantt Chart]																							
658	300121	REVISED COMPLETION DATE UP TO THIS PROG DATE	1 day		Mon 23/4/18	Mon 23/4/18	Mon 23/4/18	Mon 23/4/18		100%	0 days	659	[Gantt Chart]																							
659	300131	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	1 day		Mon 23/4/18	Mon 23/4/18	Mon 23/4/18	Mon 23/4/18	658	100%	0 days		[Gantt Chart]																							
660	300140	SECTION W8E	0 days		Mon 14/10/19	Mon 14/10/19	NA	NA		0%	1045 days		[Gantt Chart]																							
661	300151	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Mon 14/10/19	Mon 14/10/19	NA	NA		0%	1045 days	662	[Gantt Chart]																							
662	300161	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Mon 14/10/19	Mon 14/10/19	NA	NA	661	0%	1045 days		[Gantt Chart]																							
663	300170	SECTION W8F	1 day		Sun 1/7/18	Sun 1/7/18	Sun 1/7/18	Sun 1/7/18		100%	0 days		[Gantt Chart]																							
664	300181	REVISED COMPLETION DATE UP TO THIS PROG DATE	1 day		Sun 1/7/18	Sun 1/7/18	Sun 1/7/18	Sun 1/7/18		100%	0 days	665	[Gantt Chart]																							
665	300191	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	1 day		Sun 1/7/18	Sun 1/7/18	Sun 1/7/18	Sun 1/7/18	664	100%	0 days		[Gantt Chart]																							
666	300200	SECTION W8G	60 days		Tue 9/7/19	Sat 7/9/19	NA	NA		0%	1082 days		[Gantt Chart]																							
667	300211	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Sat 7/9/19	Sat 7/9/19	NA	NA		0%	1082 days	668FS-60 days	[Gantt Chart]																							
668	300221	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Tue 9/7/19	Tue 9/7/19	NA	NA	667FS-60 days	0%	1142 days		[Gantt Chart]																							
669	300230	SECTION W8A	60 days		Fri 3/7/20	Tue 1/9/20	NA	NA		0%	722 days		[Gantt Chart]																							
670	300241	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Tue 1/9/20	Tue 1/9/20	NA	NA		0%	722 days	671FS-60 days	[Gantt Chart]																							
671	300251	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Fri 3/7/20	Fri 3/7/20	NA	NA	670FS-60 days	0%	782 days		[Gantt Chart]																							
672	300260	SECTION W8B	77 days		Mon 4/1/21	Mon 22/3/21	NA	NA		0%	520 days		[Gantt Chart]																							
673	300271	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Mon 22/3/21	Mon 22/3/21	NA	NA		0%	520 days	674FS-77 days	[Gantt Chart]																							

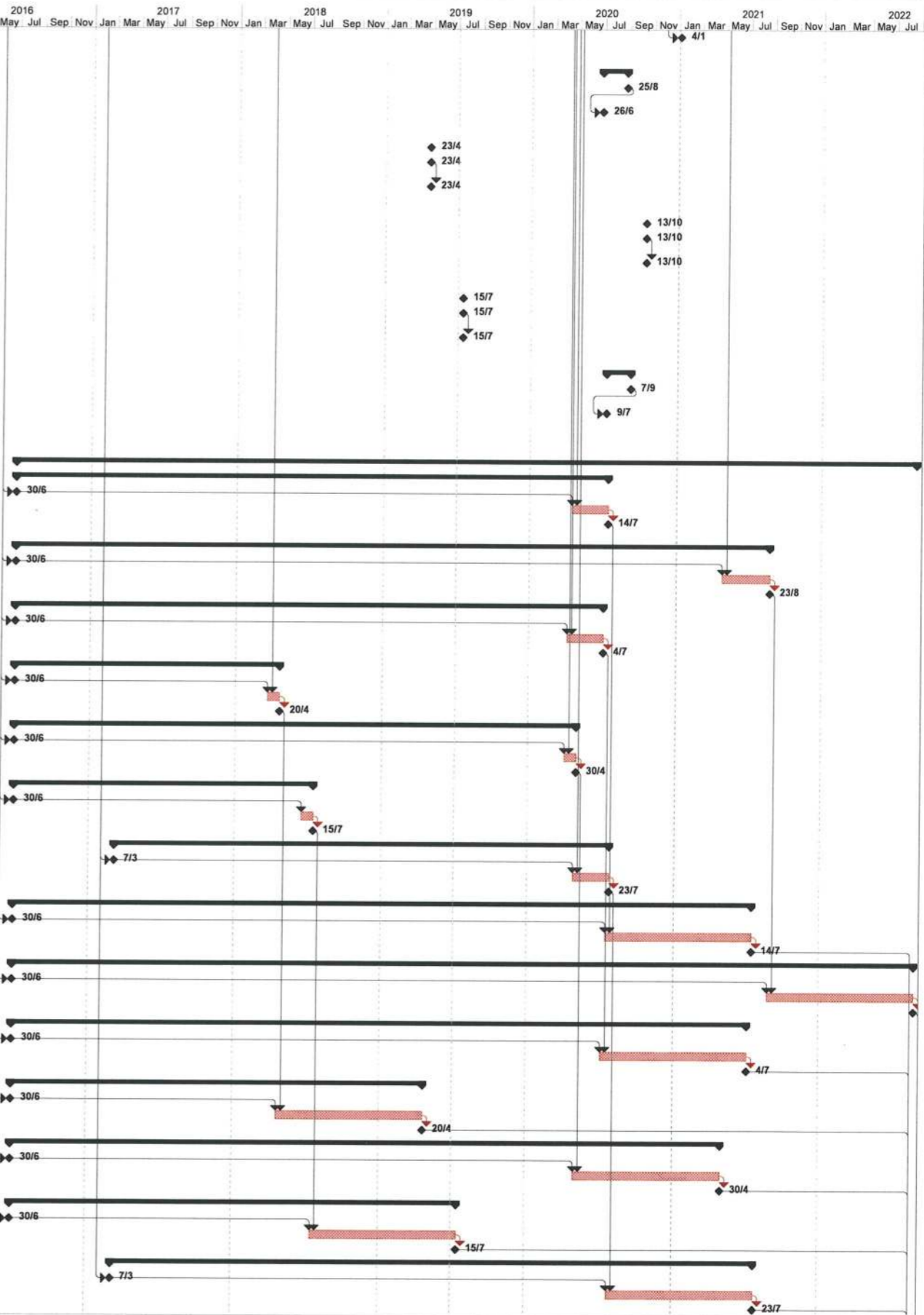
Task: [Solid Bar] Summary: [Dashed Bar] External Milestone: [Diamond] Inactive Summary: [Dotted Bar] Manual Summary Rollup: [Blue Bar] Finish-only: [Red Bar] Progress: [Green Bar]

Split: [Dotted Bar] Project Summary: [Dotted Bar] Inactive Task: [Dotted Bar] Manual Task: [Blue Bar] Manual Summary: [Blue Bar] Critical: [Red Bar] Deadline: [Red Bar]

Milestone: [Diamond] External Tasks: [Dotted Bar] Inactive Milestone: [Diamond] Duration-only: [Blue Bar] Start-only: [Blue Bar] Critical Split: [Red Bar]

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	% Complete	Finish Slack	Successors
674	300281	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Mon 4/1/21	Mon 4/1/21	NA	NA	673FS-77 days	0%	597 days	
675	300290	SECTION W9C	60 days		Fri 26/6/20	Tue 25/8/20	NA	NA		0%	729 days	
676	300301	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Tue 25/8/20	Tue 25/8/20	NA	NA		0%	729 days	677FS-60 days
677	300311	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Fri 26/6/20	Fri 26/6/20	NA	NA	676FS-60 days	0%	789 days	
678	300320	SECTION W9D	0 days		Tue 23/4/19	Tue 23/4/19	NA	NA		0%	1219 days	
679	300331	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Tue 23/4/19	Tue 23/4/19	NA	NA		0%	1219 days	680
680	300341	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Tue 23/4/19	Tue 23/4/19	NA	NA	679	0%	1219 days	
681	300350	SECTION W9E	0 days		Tue 13/10/20	Tue 13/10/20	NA	NA		0%	680 days	
682	300361	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Tue 13/10/20	Tue 13/10/20	NA	NA		0%	680 days	683
683	300371	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Tue 13/10/20	Tue 13/10/20	NA	NA	682	0%	680 days	
684	300380	SECTION W9F	0 days		Mon 15/7/19	Mon 15/7/19	NA	NA		0%	1136 days	
685	300391	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Mon 15/7/19	Mon 15/7/19	NA	NA		0%	1136 days	686
686	300401	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Mon 15/7/19	Mon 15/7/19	NA	NA	685	0%	1136 days	
687	300410	SECTION W9G	60 days		Thu 9/7/20	Mon 7/9/20	NA	NA		0%	716 days	
688	300421	REVISED COMPLETION DATE UP TO THIS PROG DATE	0 days		Mon 7/9/20	Mon 7/9/20	NA	NA		0%	716 days	689FS-60 days
689	300431	REVISED COMPLETION DATE (INCLUDING CSD TIME SAVING EFFECT) UP TO THIS PROG DATE	0 days		Thu 9/7/20	Thu 9/7/20	NA	NA	688FS-60 days	0%	776 days	
690												
691	400000	PLANNED WORK PROGRAMME	2246 days		Thu 30/6/16	Tue 23/8/22	NA	NA		0%	0 days	
692	400010	SECTION W8A	1476 days		Thu 30/6/16	Tue 14/7/20	NA	NA		0%	0 days	
693	400020	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	1386 days	694
694	400030	LANDSCAPING SOFTWARES	90 days	7 days	Thu 16/4/20	Tue 14/7/20	NA	NA	235,693	0%	0 days	695
695	400040	PLANNED COMPLETION OF SECTION W8A	0 days		Tue 14/7/20	Tue 14/7/20	NA	NA	694	0%	0 days	722
696	400050	SECTION W8B	1881 days		Thu 30/6/16	Mon 23/8/21	NA	NA		0%	0 days	
697	400060	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	1761 days	698
698	400070	LANDSCAPING SOFTWARES	120 days	10 days	Mon 26/4/21	Mon 23/8/21	NA	NA	697,452	0%	0 days	699
699	400080	PLANNED COMPLETION OF SECTION W8B	0 days		Mon 23/8/21	Mon 23/8/21	NA	NA	698	0%	0 days	726
700	400090	SECTION W8C	1466 days		Thu 30/6/16	Sat 4/7/20	NA	NA		0%	0 days	
701	400100	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	1376 days	702
702	400110	LANDSCAPING SOFTWARES	90 days	7 days	Mon 6/4/20	Sat 4/7/20	NA	NA	485,701	0%	0 days	703
703	400120	PLANNED COMPLETION OF SECTION W8C	0 days		Sat 4/7/20	Sat 4/7/20	NA	NA	702	0%	0 days	730
704	400130	SECTION W8D	660 days		Thu 30/6/16	Fri 20/4/18	NA	NA		0%	0 days	
705	400140	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	630 days	706
706	400150	LANDSCAPING SOFTWARES	30 days	3 days	Thu 22/3/18	Fri 20/4/18	NA	NA	537,705	0%	0 days	707
707	400160	PLANNED COMPLETION OF SECTION W8D	0 days		Fri 20/4/18	Fri 20/4/18	NA	NA	706	0%	0 days	734
708	400170	SECTION W8E	1401 days		Thu 30/6/16	Thu 30/4/20	NA	NA		0%	0 days	
709	400180	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	1371 days	710
710	400190	LANDSCAPING SOFTWARES	30 days	3 days	Wed 1/4/20	Thu 30/4/20	NA	NA	709,596	0%	0 days	711
711	400200	PLANNED COMPLETION OF SECTION W8E	0 days		Thu 30/4/20	Thu 30/4/20	NA	NA	710	0%	0 days	738
712	400210	SECTION W8F	746 days		Thu 30/6/16	Sun 15/7/18	NA	NA		0%	0 days	
713	400220	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	716 days	714
714	400230	LANDSCAPING SOFTWARES	30 days	3 days	Sat 16/6/18	Sun 15/7/18	NA	NA	713,608	0%	0 days	715
715	400240	PLANNED COMPLETION OF SECTION W8F	0 days		Sun 15/7/18	Sun 15/7/18	NA	NA	714	0%	0 days	742
716	400250	SECTION W8G	1235 days		Tue 7/3/17	Thu 23/7/20	NA	NA		0%	0 days	
717	400260	INSTRUCTION TO EXECISE	0 days		Tue 7/3/17	Tue 7/3/17	NA	NA	56SS	0%	1145 days	718
718	400270	LANDSCAPING SOFTWARES	90 days	7 days	Sat 25/4/20	Thu 23/7/20	NA	NA	717,644	0%	0 days	719
719	400280	PLANNED COMPLETION OF SECTION W8G	0 days		Thu 23/7/20	Thu 23/7/20	NA	NA	718	0%	0 days	746
720	400290	SECTION W8A	1841 days		Thu 30/6/16	Wed 14/7/21	NA	NA		0%	0 days	
721	400300	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	1476 days	722
722	400310	ESTABLISHMENT WORKS	365 days	30 days	Wed 15/7/20	Wed 14/7/21	NA	NA	695,721	0%	0 days	723
723	400320	PLANNED COMPLETION OF SECTION W8A	0 days		Wed 14/7/21	Wed 14/7/21	NA	NA	722	0%	0 days	748FS+405 days
724	400330	SECTION W8B	2246 days		Thu 30/6/16	Tue 23/8/22	NA	NA		0%	0 days	
725	400340	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	1881 days	726
726	400350	ESTABLISHMENT WORKS	365 days	30 days	Tue 24/8/21	Tue 23/8/22	NA	NA	725,699	0%	0 days	727
727	400360	PLANNED COMPLETION OF SECTION W8B	0 days		Tue 23/8/22	Tue 23/8/22	NA	NA	726	0%	0 days	748
728	400370	SECTION W9C	1831 days		Thu 30/6/16	Sun 4/7/21	NA	NA		0%	0 days	
729	400380	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	1466 days	730
730	400390	ESTABLISHMENT WORKS	365 days	30 days	Sun 5/7/20	Sun 4/7/21	NA	NA	703,729	0%	0 days	731
731	400400	PLANNED COMPLETION OF SECTION W9C	0 days		Sun 4/7/21	Sun 4/7/21	NA	NA	730	0%	0 days	748FS+415 days
732	400410	SECTION W9D	1025 days		Thu 30/6/16	Sat 20/4/19	NA	NA		0%	0 days	
733	400420	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	660 days	734
734	400430	ESTABLISHMENT WORKS	365 days	30 days	Sat 21/4/18	Sat 20/4/19	NA	NA	707,733	0%	0 days	735
735	400440	PLANNED COMPLETION OF SECTION W9D	0 days		Sat 20/4/19	Sat 20/4/19	NA	NA	734	0%	0 days	748FS+1221 days
736	400450	SECTION W9E	1766 days		Thu 30/6/16	Fri 30/4/21	NA	NA		0%	0 days	
737	400460	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	1401 days	738
738	400470	ESTABLISHMENT WORKS	365 days	30 days	Fri 1/5/20	Fri 30/4/21	NA	NA	711,737	0%	0 days	739
739	400480	PLANNED COMPLETION OF SECTION W9E	0 days		Fri 30/4/21	Fri 30/4/21	NA	NA	738	0%	0 days	748FS+480 days
740	400490	SECTION W9F	1111 days		Thu 30/6/16	Mon 15/7/19	NA	NA		0%	0 days	
741	400500	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS	0%	746 days	742
742	400510	ESTABLISHMENT WORKS	365 days	30 days	Mon 16/7/18	Mon 15/7/19	NA	NA	715,741	0%	0 days	743
743	400520	PLANNED COMPLETION OF SECTION W9F	0 days		Mon 15/7/19	Mon 15/7/19	NA	NA	742	0%	0 days	748FS+1135 days
744	400530	SECTION W9G	1600 days		Tue 7/3/17	Fri 23/7/21	NA	NA		0%	0 days	
745	400540	INSTRUCTION TO EXECISE	0 days		Tue 7/3/17	Tue 7/3/17	NA	NA	56SS	0%	1235 days	746
746	400550	ESTABLISHMENT WORKS	365 days	30 days	Fri 24/7/20	Fri 23/7/21	NA	NA	719,745	0%	0 days	747
747	400560	PLANNED COMPLETION OF SECTION W9G	0 days		Fri 23/7/21	Fri 23/7/21	NA	NA	746	0%	0 days	748FS+396 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	% Complete	Finish Slack	Successors	2016				2017				2018				2019				2020				2021				2022													
													May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul
748	400560	PLANNED COMPLETION OF OVERALL ESTABLISHMENT WORKS	0 days		Tue 23/8/22	Tue 23/8/22	NA	NA	727,735FS+1221 days,731FS+415	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			

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**APPENDIX B  
ACTION AND LIMIT LEVELS FOR  
NOISE**

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## Appendix B - Action and Limit Levels

**Table B-1 Action and Limit Levels for Construction Noise**

<b>Time Period</b>	<b>Action Level</b>	<b>Limit Level</b>
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.

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**APPENDIX C  
COPIES OF CALIBRATION  
CERTIFICATES**

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Equipment no.: N-12-01

**Calibration Certificate**

0024993

<b>Customer :</b> Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T. Hong Kong	<b>Object 1 :</b> BSWA 308 SLM <b>Serial No. /Ref. No. :</b> 570183 / 550233 <b>Object 2 :</b> <b>Serial No. /Ref. No. :</b>
<b>Customer Code :</b> SVEC09005	<b>Manufacturer :</b> BSWAtech
<b>Date of calibration:</b> 07/10/2020 <b>Date of the recommended re-calibration:</b> 07/10/2021	<b>Certificate No.:</b> 0024993 <b>Handle by:</b> E0002

**Measuring results**

Reference value	Indication value	Deviation	Allowed deviation	Object
94.0dB	93.4dB	-0.6dB	+/- 1.5dB	1
114.0dB	113.2dB	-0.8dB	+/- 1.5dB	1

**Measuring equipment**

index	Calibrator / Master	Traceability
1	Master Sound Meter, SVAN949,sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

**Ambient conditions**

Temperature (20...26)°C

Humidity (20..60)%RH

**Measuring procedure**

Calibrated by Type 1 Sound Calibrator with Master Sound Level Meter under 1kHz Frequency.

**Uncertainty**

+/- 0.2dB for probability not less than 95%.

**Conformity**

- 1.The resulted values were those obtained at the time of test and applies only to the item calibrated.
- 2.The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains the uncertainty of the measuring procedure and the uncertainty of the measuring system.
- 3.The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.
- 4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.
- 5.The calibrations certificate may not be reproduced.

Measured value(s) **within** the allowable deviation.

Performed by

Calibration Technician

Mr. K.L. Ng

Approved by

Mr. K.S. Ng

Quality Manager





Equipment no.: N-13-01

**Calibration Certificate****0025247**

Customer : Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T. Hong Kong	Object 1 : ST-120 sound calibrator Serial No. /Ref. No. : 181001608 Object 2 : Serial No. /Ref. No. :
Customer Code : SVEC09005	Manufacturer : Soundtek
Date of calibration: 05/11/2020 Date of the recommended re-calibration: 05/11/2021	Certificate No.: 0025247 Handle by: E0002

**Measuring results**

Reference value	Indication value	Deviation	Allowed deviation	Object
94.0dB	93.7dB	-0.3dB	+/- 0.3dB	1
114.0dB	113.6dB	-0.4dB	+/- 0.5dB	1

**Measuring equipment**

index	Calibrator / Master	Traceability
1	Master Sound Meter, SVAN949,sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

**Ambient conditions**

Temperature (20...26)°C Humidity (20...60)%RH

**Measuring procedure**

Calibrated by Type 1 Sound Level Meter and 1kHz Sound Source

**Uncertainty**

+/- 0.2dB for probability not less than 95%.

**Conformity**

- 1.The resulted values were those obtained at the time of test and applies only to the item calibrated.
- 2.The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains the uncertainty of the measuring procedure and the uncertainty of the measuring system.
- 3.The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.
- 4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.
- 5.The calibrations certificate may not be reproduced.

Measured value(s) **within** the allowable deviation.

Performed by

Calibration Technician

Mr. K.L. Ng

Approved by

Quality Manager

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**APPENDIX D  
ENVIRONMENTAL MONITORING  
SCHEDULES**

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**Agreement No. CE 67/2015 (HY)**  
**Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction**  
**Impact Noise Monitoring Schedule (April 2021)**

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

**Agreement No. CE 67/2015 (HY)**  
**Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction**  
**Tentative Impact Noise Monitoring Schedule (May 2021)**

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

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

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**APPENDIX E  
NOISE MONITORING RESULTS AND  
GRAPHICAL PRESENTATIONS**

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## Appendix E - Noise Monitoring Results

(0700-1900 hrs on Normal Weekdays)

N1 - HKMLC Wong Chan Sook Ying Memorial School							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline	Construction Noise Level
			L eq	L10	L 90	L eq	L eq
8-Apr-21	9:00	Sunny	54.8	57.2	52.4	62.2	54.8 measured $\leq$ Baseline
13-Apr-21	9:00	Sunny	53.3	56.4	51.7		53.3 measured $\leq$ Baseline
20-Apr-21	9:00	Sunny	51.6	54.3	49.2		51.6 measured $\leq$ Baseline
27-Apr-21	9:00	Cloudy	55.1	58.5	51.8		55.1 measured $\leq$ Baseline

N2 - Bethel High School							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline	Construction Noise Level
			L eq	L10	L 90	L eq	L eq
8-Apr-21	10:00	Sunny	52.6	55.9	50.8	55.2	52.6 measured $\leq$ Baseline
13-Apr-21	10:00	Sunny	52.4	55.8	50.3		52.4 measured $\leq$ Baseline
20-Apr-21	10:00	Sunny	52.8	55.9	50.7		52.8 measured $\leq$ Baseline
27-Apr-21	10:30	Cloudy	54.6	57.6	51.6		54.6 measured $\leq$ Baseline

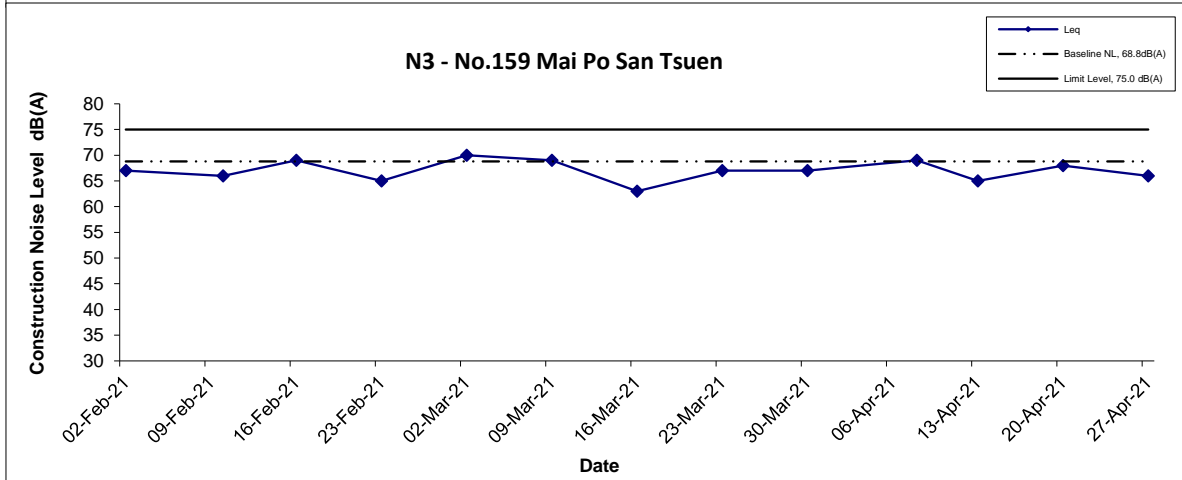
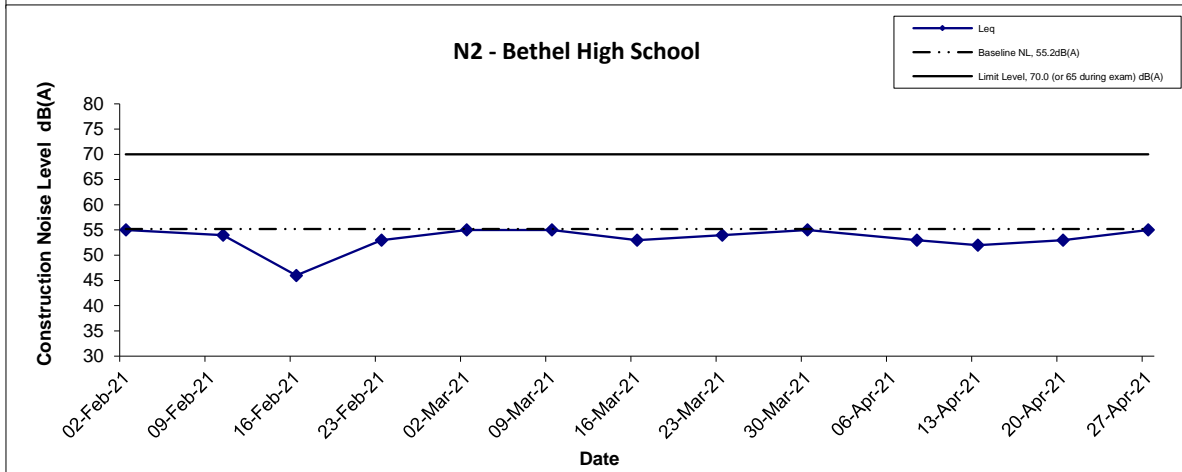
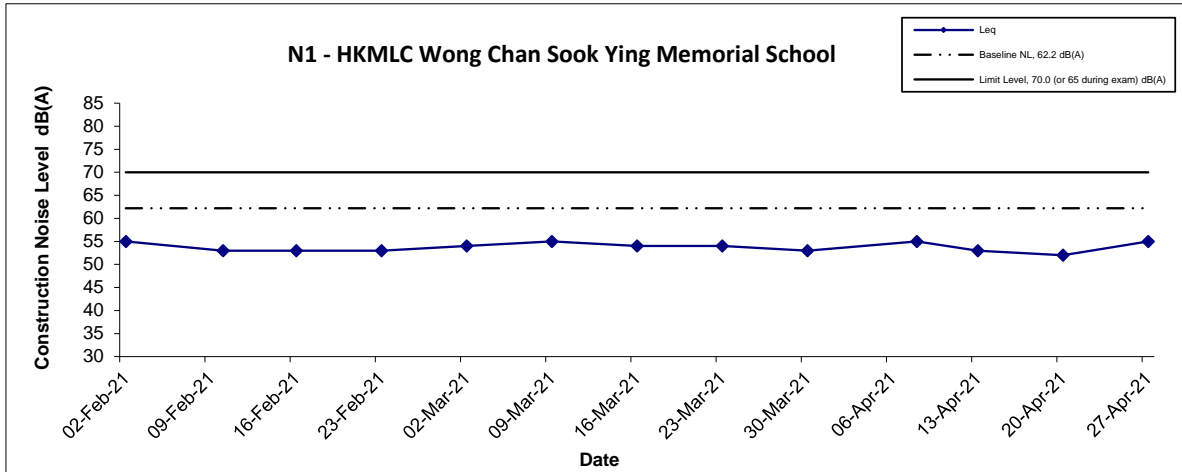
N3 - No.159 Mai Po San Tsuen							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline	Construction Noise Level
			L eq	L10	L 90	L eq	L eq
8-Apr-21	13:00	Sunny	71.9	74.3	68.2	68.8	69.0
13-Apr-21	13:00	Sunny	70.4	73.5	67.6		65.3
20-Apr-21	13:00	Sunny	71.6	73.3	69.5		68.4
27-Apr-21	13:00	Cloudy	70.6	72.9	68.3		65.9

N5 - Block 2, Dills Corner Garden							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline	Construction Noise Level
			L eq	L10	L 90	L eq	L eq
8-Apr-21	15:00	Sunny	72.0	74.9	70.3	70.7	66.1
13-Apr-21	15:00	Sunny	71.2	74.4	68.1		61.6
20-Apr-21	15:00	Sunny	70.9	73.0	69.4		57.4
27-Apr-21	15:00	Cloudy	71.7	73.8	69.2		64.8

N6 - Home of Loving Faithfulness							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline	Construction Noise Level
			L eq	L10	L 90	L eq	L eq
8-Apr-21	16:00	Sunny	70.9	73.8	67.5	72.0	70.9 measured $\leq$ Baseline
13-Apr-21	16:00	Sunny	70.1	73.3	67.1		70.1 measured $\leq$ Baseline
20-Apr-21	16:00	Sunny	71.2	74.1	69.8		71.2 measured $\leq$ Baseline
27-Apr-21	16:00	Cloudy	70.7	73.2	66.8		70.7 measured $\leq$ Baseline

N7 - Village House in Shek Wu Wai							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline	Construction Noise Level
			L eq	L10	L 90	L eq	L eq
8-Apr-21	14:00	Sunny	71.6	74.0	67.9	70.7	64.3
13-Apr-21	14:00	Sunny	70.8	73.9	67.2		54.4
20-Apr-21	14:00	Sunny	70.5	72.8	68.3		70.5 measured $\leq$ Baseline
27-Apr-21	14:00	Cloudy	71.4	73.7	69.6		63.1

## Noise Levels



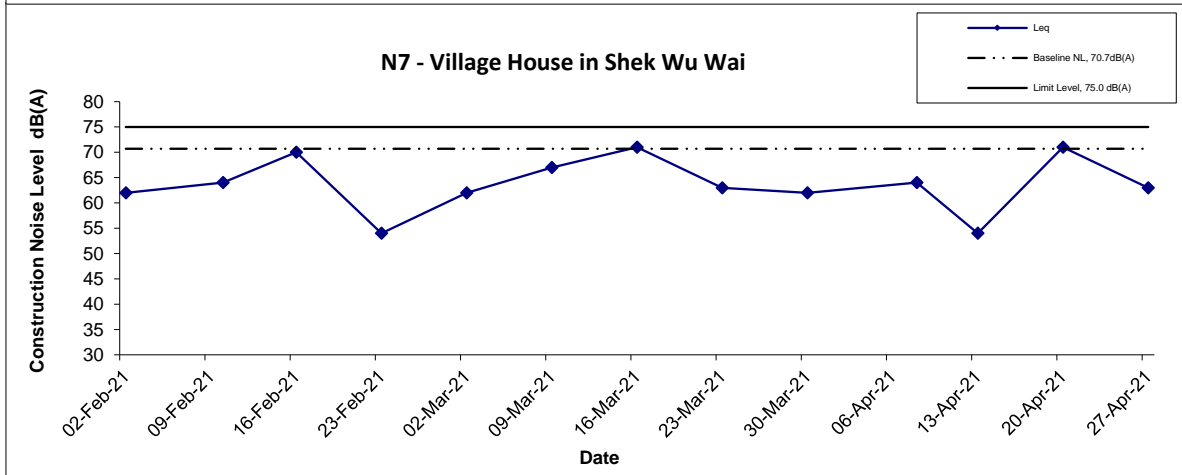
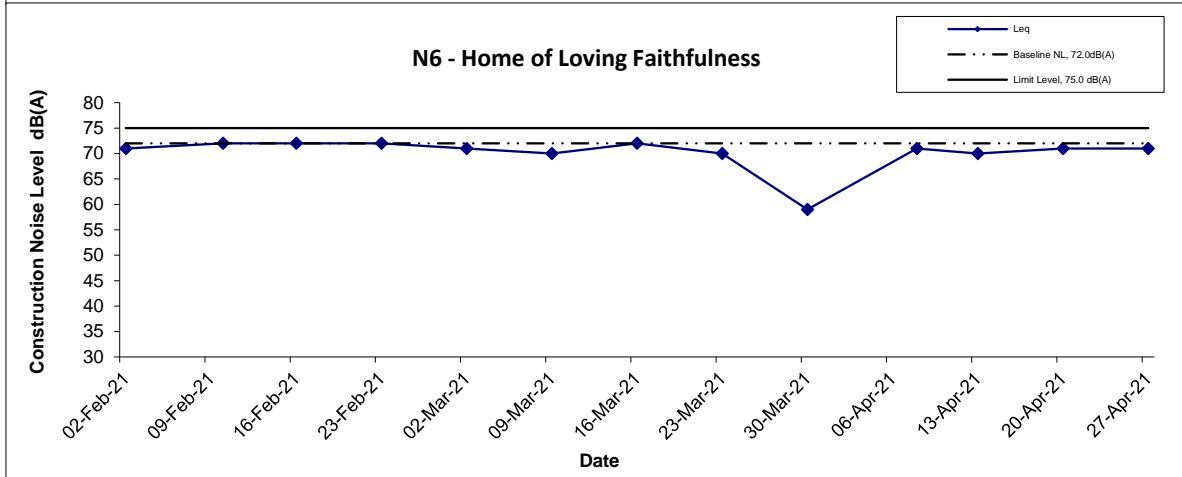
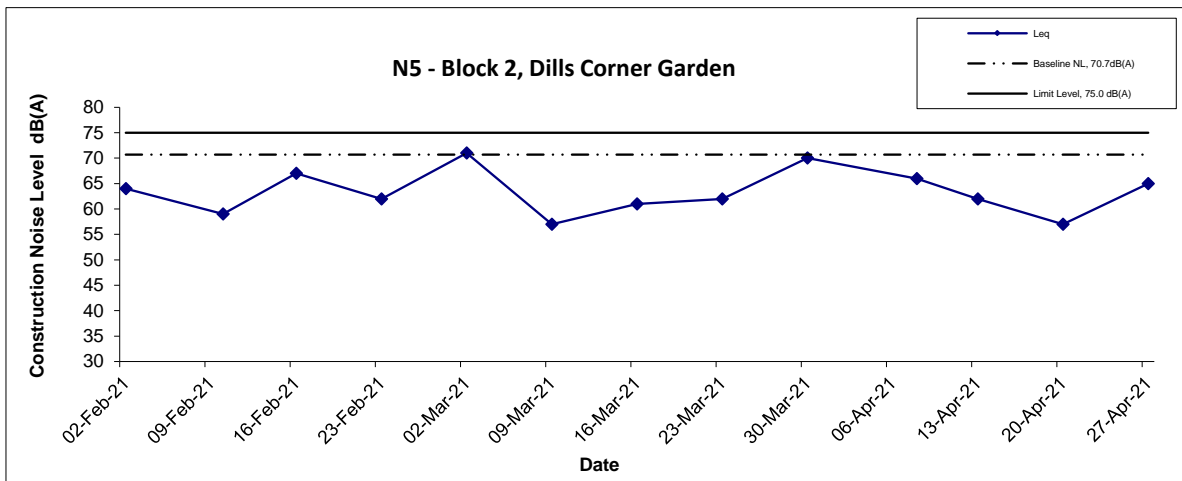
**Title**  
 Agreement No. CE 67/2015 (HY)  
 Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works -  
 Design and Construction

**Graphical Presentation of  
 Construction Noise Monitoring Results**

<b>Scale</b> N.T.S	<b>Project</b> No. MA16036
<b>Date</b> Apr 21	<b>Appendix</b> E



## 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	Project	
	Date	Appendix	
	N.T.S	No. MA16036	
	Apr 21	E	



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**APPENDIX F**  
**SUMMARY OF EXCEEDANCE**

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**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)**

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**APPENDIX G  
SITE AUDIT SUMMARY**

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**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	210401
Date	1 April 2021 (Thursday)
Time	09:45 – 12:00
Location	Portion E: CH-MP-6300 to CH-MP-6500, Portion H: CH-ST-2300m to CH-ST-1500m

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

Ref. No.	Remarks/Observations	Related Item No.
210120-R1 210401-R1	<b>B. Water Quality</b>	E4 E9
	No environmental deficiency was identified during site inspection.	
	<b>C. Air Quality</b>	
	No environmental deficiency was identified during site inspection.	
	<b>D. Construction Noise Impact</b>	
	No environmental deficiency was identified during site inspection.	
	<b>E. Waste / Chemical Management</b>	
	<ul style="list-style-type: none"><li>• Accumulation of construction waste and general refuse should be removed at Portion B.</li><li>• Drip trays should be provided to store chemicals at Portion E.</li></ul>	
	<b>F. Ecology and Fisheries</b>	
	No environmental deficiency was identified during site inspection.	
	<b>G. Landscape &amp; Visual</b>	
	No environmental deficiency was identified during site inspection.	
<b>H. Permits/Licences</b>		
No environmental deficiency was identified during site inspection.		
<b>I. Others</b>		
Follow up on the previous session (Ref. No: 210324), no follow up action is needed to be reviewed. Item 210317-R2 was rectified.		

	Name	Signature	Date
Recorded by	Mr. Eric Yan		1 April 2021
Checked by	Ms. Echo Hung		1 April 2021

**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	210407
Date	7 April 2021 (Wednesday)
Time	09:45 – 12:00
Location	All portions

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

Ref. No.	Remarks/Observations	Related Item No.
210401-R1	<b>B. Water Quality</b>	E9
	No environmental deficiency was identified during site inspection.	
	<b>C. Air Quality</b>	
	No environmental deficiency was identified during site inspection.	
	<b>D. Construction Noise Impact</b>	
	No environmental deficiency was identified during site inspection.	
	<b>E. Waste / Chemical Management</b>	
	<ul style="list-style-type: none"><li>• Drip trays should be provided to store chemicals at Portion E.</li><li>•</li></ul>	
	<b>F. Ecology and Fisheries</b>	
	No environmental deficiency was identified during site inspection.	
	<b>G. Landscape &amp; Visual</b>	
No environmental deficiency was identified during site inspection.		
<b>H. Permits/Licences</b>		
No environmental deficiency was identified during site inspection.		
<b>I. Others</b>		
Follow up on the previous session (Ref. No: 210401), no follow up action is needed to be reviewed. Item 210120-R1 was rectified.		

	Name	Signature	Date
Recorded by	Mr. Eric Yan		7 April 2021
Checked by	Ms. Echo Hung		7 April 2021

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	210414
Date	14 April 2021 (Wednesday)
Time	09:45 – 12:00
Location	All portions

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

Ref. No.	Remarks/Observations	Related Item No.
210401-R1	<b>B. Water Quality</b>	E9
	No environmental deficiency was identified during site inspection.	
	<b>C. Air Quality</b>	
	No environmental deficiency was identified during site inspection.	
	<b>D. Construction Noise Impact</b>	
	No environmental deficiency was identified during site inspection.	
	<b>E. Waste / Chemical Management</b>	
	<ul style="list-style-type: none"><li>• Drip trays should be provided to store chemicals at Portion E.</li><li>•</li></ul>	
	<b>F. Ecology and Fisheries</b>	
	No environmental deficiency was identified during site inspection.	
	<b>G. Landscape &amp; Visual</b>	
No environmental deficiency was identified during site inspection.		
<b>H. Permits/Licences</b>		
No environmental deficiency was identified during site inspection.		
<b>I. Others</b>		
Follow up on the previous session (Ref. No: 210407), no follow up action is needed to be reviewed. No environmental observation was improved / rectified during the environmental site inspection .		

	Name	Signature	Date
Recorded by	Mr. Eric Yan		14 April 2021
Checked by	Ms. Echo Hung		14 April 2021

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	210421
Date	21 April 2021 (Wednesday)
Time	09:45 – 12:00
Location	All portions

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

Ref. No.	Remarks/Observations	Related Item No.
210401-R1	<b>B. Water Quality</b>	E9
	No environmental deficiency was identified during site inspection.	
	<b>C. Air Quality</b>	
	No environmental deficiency was identified during site inspection.	
	<b>D. Construction Noise Impact</b>	
	No environmental deficiency was identified during site inspection.	
	<b>E. Waste / Chemical Management</b>	
	<ul style="list-style-type: none"><li>• Drip trays should be provided to store chemicals at Portion E.</li><li>•</li></ul>	
	<b>F. Ecology and Fisheries</b>	
	No environmental deficiency was identified during site inspection.	
	<b>G. Landscape &amp; Visual</b>	
No environmental deficiency was identified during site inspection.		
<b>H. Permits/Licences</b>		
No environmental deficiency was identified during site inspection.		
<b>I. Others</b>		
Follow up on the previous session (Ref. No: 210414), no follow up action is needed to be reviewed. No environmental observation was improved / rectified during the environmental site inspection .		

	Name	Signature	Date
Recorded by	Mr. Eric Yan		21 April 2021
Checked by	Ms. Echo Hung		21 April 2021

**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	210428
Date	28 April 2021 (Wednesday)
Time	14:00 – 16:15
Location	All portions

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

Ref. No.	Remarks/Observations	Related Item No.
210401-R1	<b>B. Water Quality</b>	E9
	No environmental deficiency was identified during site inspection.	
	<b>C. Air Quality</b>	
	No environmental deficiency was identified during site inspection.	
	<b>D. Construction Noise Impact</b>	
	No environmental deficiency was identified during site inspection.	
	<b>E. Waste / Chemical Management</b>	
	<ul style="list-style-type: none"><li>Drip trays should be provided to store chemicals at Portion E.</li></ul>	
	<b>F. Ecology and Fisheries</b>	
	No environmental deficiency was identified during site inspection.	
	<b>G. Landscape &amp; Visual</b>	
No environmental deficiency was identified during site inspection.		
<b>H. Permits/Licences</b>		
No environmental deficiency was identified during site inspection.		
<b>I. Others</b>		
Follow up on the previous session (Ref. No: 210421), no follow up action is needed to be reviewed. No environmental observation was improved / rectified during the environmental site inspection .		

	Name	Signature	Date
Recorded by	Ms. Echo Hung		28 April 2021
Checked by	Mr. Matt Lock		28 April 2021



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**APPENDIX H**  
**EVENT AND ACTION PLANS**

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## Appendix H - Event and Action Plans

### Event and Action Plan for Construction Noise

EVENT	ACTION			
	ET LEADER	IEC	ER	CONTRACTOR
Action Level being exceeded	<ol style="list-style-type: none"> <li>1. Notify IC(E) and Contractor;</li> <li>2. Carry out investigation;</li> <li>3. Report the results of investigation to the IC(E) and Contractor;</li> <li>4. Discuss with the Contractor and formulate remedial measures;</li> <li>5. Increase monitoring frequency to check mitigation effectiveness.</li> </ol>	<ol style="list-style-type: none"> <li>1. Review the analysed results submitted by the ET;</li> <li>2. Review the proposed remedial measures by the Contractor and advise the ER accordingly;</li> <li>3. Supervise the implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing;</li> <li>2. Notify Contractor;</li> <li>3. Require Contractor to propose remedial measures for the analysed noise problem;</li> <li>4. Ensure remedial measures are properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Submit noise mitigation proposals to IC(E);</li> <li>2. Implement noise mitigation proposals.</li> </ol>
Limit Level being exceeded	<ol style="list-style-type: none"> <li>1. Notify IC(E), ER, EPD and Contractor;</li> <li>2. Identify source;</li> <li>3. Repeat measurement to confirm findings</li> <li>4. Increase monitoring frequency;</li> <li>5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>6. Inform IC(E), ER and EPD the causes &amp; actions taken for the exceedances;</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.</li> <li>3. Supervise the implementation of remedial measures</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing;</li> <li>2. Notify Contractor;</li> <li>3. Require Contractor to propose remedial measures for the analysed noise problem;</li> <li>4. Ensure remedial measures are properly implemented;</li> <li>5. If exceedance continues, consider what portion of the</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance;</li> <li>2. Submit proposals for remedial actions to IC(E) within 3 working days of notification;</li> <li>3. Implement the agreed proposals;</li> <li>4. Resubmit proposal if problem still not under control;</li> <li>5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.</li> </ol>

## Appendix H - Event and Action Plans

	<p>7. Assess effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results;</p> <p>8. If exceedance stops, cease additional monitoring</p>		<p>work is responsible and instruct the Contractor to stop that portion of the work until the exceedance is abated.</p>	
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**APPENDIX I  
ENVIRONMENTAL MITIGATION  
IMPLEMENTATION SCHEDULE (EMIS)**

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
<b>Construction Air Quality</b>			
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	<ul style="list-style-type: none"> <li>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</li> </ul>	^
S.3.6.2	S.3.2.3	<ul style="list-style-type: none"> <li>Restricting heights from which materials are to be dropped, as far as practicable to minimize the fugitive dust arising from unloading/ loading</li> </ul>	^
S.3.6.2	S.3.2.3	<ul style="list-style-type: none"> <li>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</li> </ul>	^
S.3.6.2	S.3.2.3	<ul style="list-style-type: none"> <li>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</li> </ul>	^
S.3.6.2	S.3.2.3	<ul style="list-style-type: none"> <li>Travelling speeds should be controlled to reduce traffic induced dust dispersion and re-suspension within the site from the operating haul trucks</li> </ul>	^
S.3.6.2	S.3.2.3	<ul style="list-style-type: none"> <li>Erection of hoarding of not less than 2.4 m high from ground level along the site boundary, where appropriate</li> </ul>	^
S.3.6.2	S.3.2.3	<ul style="list-style-type: none"> <li>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</li> </ul>	^
S.3.6.2	S.3.2.3	<ul style="list-style-type: none"> <li>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</li> </ul>	^

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
<b>Construction Noise Impact</b>			
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).	^

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

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	^

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		<ul style="list-style-type: none"> <li>- crane mounted auger</li> <li>- grout mixer</li> <li>- grout pump</li> <li>- drill</li> <li>- road ripper, excavator mounted</li> </ul>	
S.5.6.2	S.4.2.19	Noise enclosure shall be used for the following PME's where practicable: <ul style="list-style-type: none"> <li>- air compressor</li> <li>- hand-held breaker</li> </ul>	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 <sup>2</sup> .	^
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	^



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

<b>EIA Ref.</b>	<b>EM&amp;A Ref.</b>	<b>Mitigation Measures</b>	<b>Status</b>
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
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.	^

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
<b>Construction Water Quality</b>			
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 hydro-seeded following completion to prevent erosion	N/A

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

<b>EIA Ref.</b>	<b>EM&amp;A Ref.</b>	<b>Mitigation Measures</b>	<b>Status</b>
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

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

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

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
<b>Construction Waste Management</b>			
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 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	<ul style="list-style-type: none"> <li>• The reuse/ recycling of all materials on site shall be investigated and exhausted prior to treatment/ disposal off-site</li> </ul>	^
S.7.4.1	S.6.2.6	<ul style="list-style-type: none"> <li>• 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 minimization</li> </ul>	^
S.7.4.1	S.6.2.6	<ul style="list-style-type: none"> <li>• All waste materials shall be sorted on-site into inert and non-inert C&amp;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)</li> </ul>	^

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
S.7.4.1	S.6.2.6	<ul style="list-style-type: none"> <li>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&amp;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</li> </ul>	^
S.7.4.1	S.6.2.6	<ul style="list-style-type: none"> <li>In order to monitor the disposal of C&amp;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”.</li> </ul>	^
S.7.4.1	S.6.2.6	<ul style="list-style-type: none"> <li>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;</li> </ul>	^

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
S.7.4.1	S.6.2.6	<ul style="list-style-type: none"> <li>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;</li> </ul>	*
S.7.4.1	S.6.2.6	<ul style="list-style-type: none"> <li>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</li> </ul>	^
S.7.4.1	S.6.2.6	<ul style="list-style-type: none"> <li>Toolbox talks should be provided to workers about the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling.</li> </ul>	^
S.7.4.1	S.6.2.6	<ul style="list-style-type: none"> <li>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.</li> </ul>	^

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
<b>Land Contamination</b>			
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.	^
S.8.7.5	S.7.3.1	The following control measures should be implemented when handling identified contaminated materials: <ul style="list-style-type: none"> <li>• General site safety shall be enforced to include basic practices such as the use of safety boots, hard hats, coveralls, gloves and eye protection;</li> <li>• Avoid skin contact, ingestion and inhalation of excavated contaminated soils. Basic personal protective equipment should be used;</li> <li>• 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;</li> <li>• Measures shall be implemented to prevent non-workers from approaching the identified works areas in order to avoid exposure to contaminants.</li> </ul>	N/A
S.8.7.5	S.7.3.1	<u>Management of Contaminated Soils</u> <ul style="list-style-type: none"> <li>• Where appropriate, the use of bulk handling equipment should be maximised to reduce the potential contacts between excavated contaminated materials and associated workers;</li> <li>• The plants for excavation and transportation of the material shall be cleaned prior to leaving the Site;</li> <li>• 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</li> </ul>	N/A



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

<b>EIA Ref.</b>	<b>EM&amp;A Ref.</b>	<b>Mitigation Measures</b>	<b>Status</b>
		<p>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;</p> <ul style="list-style-type: none"> <li>• 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</li> </ul>	

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
<b>Ecological &amp; Fisheries Impact</b>			
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)	<i>In situ</i> 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 grove 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

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

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

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
S.9.11.27	S.8.2.11 (Stage 1) S.8.2.9 (Stage 2)	<p>The following good work practices are recommended:</p> <ul style="list-style-type: none"> <li>• Avoid soil storage against trees;</li> <li>• Fence off any potentially ecologically sensitive areas;</li> <li>• Delineation of works area to prevent encroachment onto adjacent habitats;</li> <li>• Reinstatement of habitat after works;</li> <li>• No on-site burning of waste; Waste and refuse in appropriate receptacles;</li> <li>• 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;</li> <li>• Regular ecological checks; and</li> <li>• Silt/ Sediment/ Oil traps for drainage to prevent site run-off</li> </ul>	^

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
<b>Cultural Heritage Impact</b>			
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
<b>Landscape and Visual</b>			
<i>Detailed Design Phase</i>			
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	^

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		Survey Report and approval from relevant departments at that stage	
<i>Construction Phase</i>			
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

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

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

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

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



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

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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: April 2021

Contract No. YL/2015/01

### Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works

Table I - Record of Environmental Complaints

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
1	Pok Wai South Road	8 <sup>th</sup> 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.	<ul style="list-style-type: none"><li>• Cover all the stockpile when stockpiling works was not being conducted;</li><li>• Arrange on-site personnel to wash the wheels of the vehicles immediately before they leave the site area; and</li><li>• Increase the frequency of water spraying on the stockpiles to dampen the dusty surface.</li></ul>	CIR was submitted in December 2018
2	Mai Po San Tsuen (Portion D)	20 <sup>th</sup> 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.	<ul style="list-style-type: none"><li>• Increase the frequency of water spraying on the paved roads to minimize the dust generation; and</li><li>• Cover the temporary cut slopes by tarpaulin before any excavation works commence.</li></ul>	CIR was submitted in December 2018
3	Mai Po San Tsuen (Portion D)	21 <sup>st</sup> December 2018	The complaint is filed against site effluent being pumped and discharge into the nearby surface channel from the same construction site.	<ul style="list-style-type: none"><li>• Cover the temporary cut slopes by tarpaulin before any excavation works commence.</li><li>• Clean the water in the channel and all broken covers are replaced by new decking covers</li><li>• 3 weirs have been installed at the downstream</li><li>• Use of sedimentation tank prior to discharge</li><li>• New cut-off plate next to the channel will be raised 200mm to prevent potential run-off</li><li>• A filter with aggregate is placed at the side channel</li></ul>	CIR was submitted in February 2019

**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	Investigation/Mitigation Action	Status
				<ul style="list-style-type: none"><li>Water and wastewater filtration system is installed to treat the site effluent.</li></ul>	
4	Yau Mei San Tsuen	5 <sup>th</sup> December 2019	The complaint is filed against several stockpiles of dusty materials were not covered in the construction site ( Yau Mei San Tsuen, Portion D) on 19 November 2019, 1300hr. No dust suppression measures were observed on site. Moreover, earth moving by grabber on lorry also generated large amount of dust.	<ul style="list-style-type: none"><li>Increased the frequency of water spraying on the exposed earth to minimize the dust generation</li><li>Removed the stockpiles on site</li><li>Installed sprinklers to keep the site clearance wet</li></ul>	CIR was submitted in December 2019

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

**Table II - Record of Notification of Summon and Successful Prosecution**

Log Ref.	Received Date	Details of summon and prosecution	Status
1	5 <sup>th</sup> November 2019	Carrying out regulatory work not in accordance with the Schedule of the Air Pollution Control (Construction Dust) Regulation.	Acquitted
2	5 <sup>th</sup> November 2019	Constructing a designated project contrary to the condition of environmental permit.	The prosecution was successful

**Remarks:** Two notifications of summon and one successful prosecution were received in the previous reporting period. No notifications of summon nor prosecution was received in this reporting period.

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**APPENDIX K  
SUMMARY OF WASTE GENERATION  
AND DISPOSAL RECORDS**

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Name of Department: CEDD

Contract No.: YL/2015/01

**Monthly Summary Waste Flow Table for 2016 (Year)**

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill*	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-	-	-
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 <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
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 <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
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
Sub-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 <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
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
Apr	0.06	-	-	-	0.03	-	0.05	0.05	0.05	-	0.03
May	-	-	-	-	-	-	0.05	0.05	0.05	-	0.04
Jun	0.03	-	-	-	-	-	0.05	0.05	0.05	-	0.03
July	0.05	-	-	-	-	-	0.05	0.05	0.05	-	0.05
Aug	0.02	-	-	-	-	-	0.05	0.05	0.05	-	0.02
Sep	0.02	-	-	-	-	-	0.05	0.05	0.05	-	0.02
Oct	0.02	-	-	-	-	-	0.05	0.05	0.05	-	0.02
Nov	0.03	-	-	-	-	-	0.05	0.05	0.05	-	0.03
Dec	0.19	-	-	-	-	-	0.05	0.05	0.05	-	0.19
Sub-total	1.69	-	-	-	1.11	-	0.60	0.60	0.60	-	0.58
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
Total	46.675	-	-	-	45.745	0.986	1.66	1.66	1.66	-	1.24

\*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 2020 (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 <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
Jan	0.13	-	-	-	-	-	0.05	0.05	0.05	-	0.13
Feb	0.16	-	-	-	-	-	0.05	0.05	0.05	-	0.16
Mar	0.14	-	-	-	-	-	0.05	0.05	0.05	-	0.14
Apr	0.15						0.05	0.05	0.05		0.15
May	0.22						0.05	0.05	0.05		0.22
Jun	0.06						0.05	0.05	0.05		0.06
July	0.14						0.05	0.05	0.05		0.14
Aug	0.15						0.05	0.05	0.05		0.15
Sep	0.08						0.05	0.05	0.05		0.08
Oct	0.07						0.02	0.02	0.02		0.07
Nov	0.07						0.02	0.02	0.02		0.07
Dec	0.01						0.02	0.02	0.02		0.01
Sub-total	1.38	-	-	-	-	-	0.51	0.51	0.51	-	1.38
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
Total	47.92	-	-	-	45.745	0.986	2.17	2.17	2.17	-	2.62

\*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 2021 (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 <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
Jan	0.05	-	-	-	-	-	0.02	0.02	0.02	-	0.05
Feb	0.02	-	-	-	-	-	0.02	0.02	0.02	-	0.02
Mar	0.01	-	-	-	-	-	0.02	0.02	0.02	-	0.01
Apr	0.02	-	-	-	-	-	0.02	0.02	0.02	-	0.02
May											
Jun											
July											
Aug											
Sep											
Oct											
Nov											
Dec											
Sub-total	1.48	-	-	-	-	-	0.59	0.59	0.59	-	1.48
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
Total	48.02	-	-	-	45.745	0.986	2.25	2.25	2.25	-	2.67

\*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 <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
2	1	1	1	2	5	1	1	1	1	1

\*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 m<sup>3</sup>. (ETWB Technical Circular PS Clause 5(4)(b) refers).
- [Delete Note (4) and the table above on the forecast, where inapplicable].

**Summary Table for Work Processes or Activities Requiring Timber for Temporary Works**

Contract No. : YL/2015/01

Contract Title : Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works

<b>Item No.</b>	<b>Description of Works Process or Activity [see note (a) below]</b>	<b>Justifications for Using Timber in Temporary Construction Works</b>	<b>Est. Quantities of Timber Used (m3)</b>	<b>Actual Quantities used (m3)</b>	<b>Remarks</b>
1.	Formwork for concreting	Easy handle by manpower	2	1	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
<b>Total Estimated Quantity of Timber Used</b>			<b>2</b>		

Notes:

- a. The Contractor shall list out all the work items requiring timber for use in temporary construction works. Several minor work items may be grouped into one for ease of updating.
- b. The summary table shall be submitted to the \*Architect/Engineer’s Representative monthly together with the Waste Flow Table for review and monitoring in accordance with the ETWB Technical Circular 19/2005 PS sub-clause 5(5) in Appendix C.