

# Civil Engineering and Development Department

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

### Quarterly EM&A Report (Version 1.0)

November 2018 to January 2019

Approved By



(Mr. KS Lee,  
Environmental Team Leader)

#### REMARKS:

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

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

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## EXECUTIVE SUMMARY

### Introduction

1. This is the 9<sup>th</sup> Quarterly 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 between 1<sup>st</sup> November 2018 and 31<sup>st</sup> January 2019.
2. The construction programme is presented in **Appendix A**. The construction activities undertaken in the reporting quarter were:

Portion A	- Construction of Cycle Track, Installation of Bicycle Parapet, Construction of Drainage Pipe
Portion B	- Construction of Subway A, Construction of Cycle Track, Parapet Footing
Portion C	- Construction of Retaining Wall RW 11B, 11C, 12, 13 & 14, 15A Resting Station R7
Portion D	- Construction of Drainage Pipe, Construction of RW 15B, 15C, 15D, 15E, 16A Stream Decking D1, D2 & D3
Portion E	- Construction of Retaining Wall RW D3, D4, D17, D18, D19, D20, D21, D22, D23, D24, D25 & D26A,B,C Construction of Drainage Pipe, Construction of Boundary Wall
Portion F	- Construction of Drainage Pipe, Construction of Retaining wall RW 43, Soil Treatment for RAP, Construction of Boundary Wall, Construction of Resting Station at Man Tin Cheung park
Portion H	- Construction of Retaining Wall RW 45A, 49, DW1 & DW2 Construction of Drainage
Portion I	- Construction of Subway D, Construction of Drainage Pipe
Portion J	- Construction of RW 46, 47, 48, 24, 25, 26, Construction of Stream Decking D8
Portion K	- Construction of Road Kerb, paving block, Construction of Cycle Track
Portion M	- Construction of RW 30A, 30B, Construction of Bridge E
Shui Fu Road	- Decontamination of soil

### Environmental Monitoring Works

3. Environmental monitoring for the Project was 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 quarter for the Project is tabulated in **Table I**.

**Table I Non-compliance Record for the Project in the Reporting Quarter**

Parameter	No. of Exceedance		Action Taken
	Action Level	Limit Level	
November 2018			
Noise	0	0	N/A
December 2018			
Noise	0	0	N/A
January 2019			
Noise	0	0	N/A

5. No exceedance was recorded at any air quality or noise monitoring station during the reporting period.

### Environmental Licenses and Permits

6. Licenses/Permits granted to the Project include:
- Environmental Permits (EP) for the Project,
    - EP-450/2013 issued on 30 May 2013 and EP-450/2013/A issued on 25 August 2015; and
    - EP-501/2015 issued on 2 September 2015
  - Billing Account for Waste Disposal (Acc No.: 7025411)
  - Discharge License
    - WT00028748-2017, WT00027672-2017, WT00027661-2017 , WT00027606-2017, WT00027510-2017, WT00027509-2017 , WT00027603-2017 , WT00027605-2017, WT00027508-2017, WT00027834-2017, WT00028431-2017, WT00027584-2017, WT00027607-2017, WT00028850-2017 , WT00030236-2018
  - Chemical Waste Producers
    - No.: WPN5213-524-K3261-01
  - Construction Noise Permit
    - GW-RN0748-18

**Key Information in the Reporting Quarter**

7. Summary of key information in the reporting quarter is tabulated in **Table II**.

**Table II Summary Table for Key Information in the Reporting Quarter**

Event	Event Details			Action Taken	Relation to Project	Status	Remark
	Number	Received Date	Nature				
Complaint received	3	8 <sup>th</sup> Nov 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>	Project related	Closed	---
		20 <sup>th</sup> Dec 2018	The complaint is filed against extensive dust nuisance at work area near Mai Po San Tsuen (Portion D) 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</li> <li>Cover the temporary cut slopes by tarpaulin before any excavation works commence</li> </ul>	Project related	CIR was submitted in December	--
		21 <sup>st</sup> Dec 2018	The complaint is filed against site effluent being pumped and discharge into the nearby surface channel from work area near Mai Po San Tsuen (Portion D).	Mitigation measures are being implemented	Project related	The investigations details shall be updated in the following reporting quarter.	--
Reporting Changes	0		---	N/A		N/A	---
Notifications of any summons & prosecutions received	0		---	N/A		N/A	---

8. Environmental monitoring works for the Project are considered effective and is generating data to categorically identify the environmental impacts from the works and influencing factors in the vicinity of monitoring stations.

## 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 is shown in **Figure 1a-1h** 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 9<sup>th</sup> Quarterly EM&A Report summarizing the EM&A works for the Project from 1<sup>st</sup> November 2018 – 31<sup>st</sup> January 2019.



### Project Organizations

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

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

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

**Table 1.1 Key Project Contacts**

Party	Role	Contact Person	Phone No.	Fax No.
CEDD	Project Proponent	Mr. Chu Wai Lun, Thomas	2417 6370	2412 0358
Mannings	Supervisor Representative	Mr. Simon Ng	3168 2028	3168 2022
Cinotech	Environmental Team	Mr. KS Lee	2151 2091	3107 1388
		Ms. Betty Choi	2151 2072	
ANewR	Independent Environmental Checker	Mr. Adi Lee	2618 2836	3007 8648
SKJV	Contractor	Mr. Ma Kin Man	9552 1734	2890 8205

**2. ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS**

- 2.1 The monitoring locations, equipment, period, methodology and QA/QC procedures of the required monitoring parameters designed for the routine impact monitoring were complied with the requirements stipulated under the EM&A Manual.

**Monitoring Parameters and Monitoring Locations**

- 2.2 The EM&A Manual designates locations for the ET to monitor environmental impacts in terms of air quality, noise, landscape and visual due to the Project. The Project area and monitoring locations are depicted in **Figures 2a-2c**. **Appendix B** gives details of monitoring requirements.

**Monitoring Methodology**

- 2.3 Monitoring works/equipments were conducted/calibrated regularly in accordance with the EM&A Manual. Copies of calibration certificates are attached in the appendices of the Monthly EM&A Reports.

**Environmental Quality Performance Limits (Action and Limit Levels)**

- 2.4 Should the environmental quality parameters exceed the Action/Limit Levels, the respective action plans would be implemented. The Action/Limit Levels for each environmental parameter are given in **Appendix C**.

**Implementation Status of Environmental Mitigation Measures**

- 2.5 The Contractor has implemented environmental mitigation measures and requirements as stated in the EIA Report, the Environmental Permit and EM&A Manual. The implementation status of environmental mitigation measures (EMIS) is given in **Appendix E**. Status of required submissions under the Environmental Permit (EP) of the reporting period is presented in **Table 2.1**.

**Table 2.1 Status of Required Submissions under EP**

EP Condition	Submission	Submission Date
3.5	Monthly Environmental Monitoring & Audit Report (November 2018)	14 December 2018
	Monthly Environmental Monitoring & Audit Report (December 2018)	14 January 2019
	Monthly Environmental Monitoring & Audit Report (January 2019)	18 February 2019

### **Site Audit Summary**

- 2.6 Site audits were carried out on a weekly basis. During site inspections in the reporting period, no non-conformance was identified. The observations and recommendations made during the reporting period are summarized in **Appendix F**.

### **Status of Waste Management**

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

### **3. MONITORING RESULTS AND NON-COMPLIANCE (EXCEEDANCES) OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMITS (ACTION AND LIMIT LEVELS)**

- 3.1 Environmental monitoring works were performed in the reporting period and all monitoring results were checked and reviewed. A summary of exceedances is attached in **Appendix H**.

#### **Weather Conditions**

- 3.2 The detail of weather conditions for each individual monitoring session was presented in monthly EM&A report.

#### **Air Quality**

- 3.3 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.

#### **Construction Noise**

- 3.4 All construction noise monitoring was conducted as scheduled in the reporting period. No Action and Limit Level exceedance was recorded.
- 3.5 The graphical presentations of the noise monitoring results are shown in **Appendix D**.

#### **Landscape and Visual**

- 3.6 Site audits were carried out on a weekly basis to monitor and audit the timely implementation of landscape and visual mitigation measures of this project. No non-compliance of the landscape and visual impact was recorded in the reporting quarter.

#### **Influencing Factors on the Monitoring Results**

- 3.7 During the reporting period, the major noise sources identified at the designated monitoring stations are as follows:

**Table 3.1 Major Noise Sources during the Monitoring in the Reporting Period**

Monitoring Stations	Locations	Major 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

### Comparison of EM&A results with EIA predictions

- 3.8 According to Section 12.5.1 (viii) of the EM&A Manual, the EM&A data are compared with the EIA predictions and summarized in **Annex I**.
- 3.9 When comparing the noise monitoring results to the predicted mitigated construction noise levels in the EIA Report, the results at N1 were slightly higher than the range of predicted mitigated construction noise levels in the EIA Report in November, but within the range in December and January.
- 3.10 The results at N2 were lower than the range of predicted mitigated construction noise levels in the EIA Report in this quarter.
- 3.11 The results at N3 were slightly higher than the range of predicted mitigated construction noise levels in the EIA Report in January, within the range in November but lower than the range in December.
- 3.12 The results at N5 were lower than the range of the predicted mitigated construction noise levels in the EIA Report in this quarter.
- 3.13 The results at N6 were within the range of predicted mitigated construction noise levels in the EIA Report in November and December, but lower than the range in January.

#### 4. COMMENTS, CONCLUSIONS AND RECOMMENDATIONS

##### **Review of the Reasons for and the Implications of Non-compliance**

- 4.1 No Action/Limit Level exceedance was recorded at all noise monitoring stations in the reporting quarter.

##### **Review of Monitoring Methodology and the Practicality and Effectiveness of EM&A Programme**

- 4.2 The EM&A methodology has been effective in monitoring the environmental impacts of the Project and the effectiveness of the mitigation measures. The data collected were useful in determining whether the Project had caused unacceptable impacts on the sensitive receivers. Analysis of all EM&A data collected throughout the baseline and the impact periods demonstrated the environmental acceptability of the Project.

##### **Effectiveness of Mitigation Measures**

- 4.3 The mitigation measures recommended in the EIA report are considered effective in minimizing environmental impacts.
- 4.4 The Contractor has implemented the recommended mitigation measures except those mitigation measures not applicable at this stage.
- 4.5 Environmental monitoring works were performed in the reporting quarter and all monitoring results were checked and reviewed. No non-compliance (exceedances) of Action/Limit Level was recorded.
- 4.6 Three environmental complaints were received in the reporting quarter. No environmental prosecution were received in the reporting quarter.
- 4.7 The effectiveness of environmental management is satisfactory given that the recommendations given in the site inspections performed in the reporting period (as shown in **Appendix F**) are met.

##### **Recommendations**

- 4.8 According to the environmental audits performed in the reporting quarter, the following recommendations were made:

###### *Air Quality*

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

*Water Quality*

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

*Waste/Chemical Management*

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

*Landscape and Visual*

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

*Permits/Licences*

- Environmental licences should be properly displayed at every entrance.

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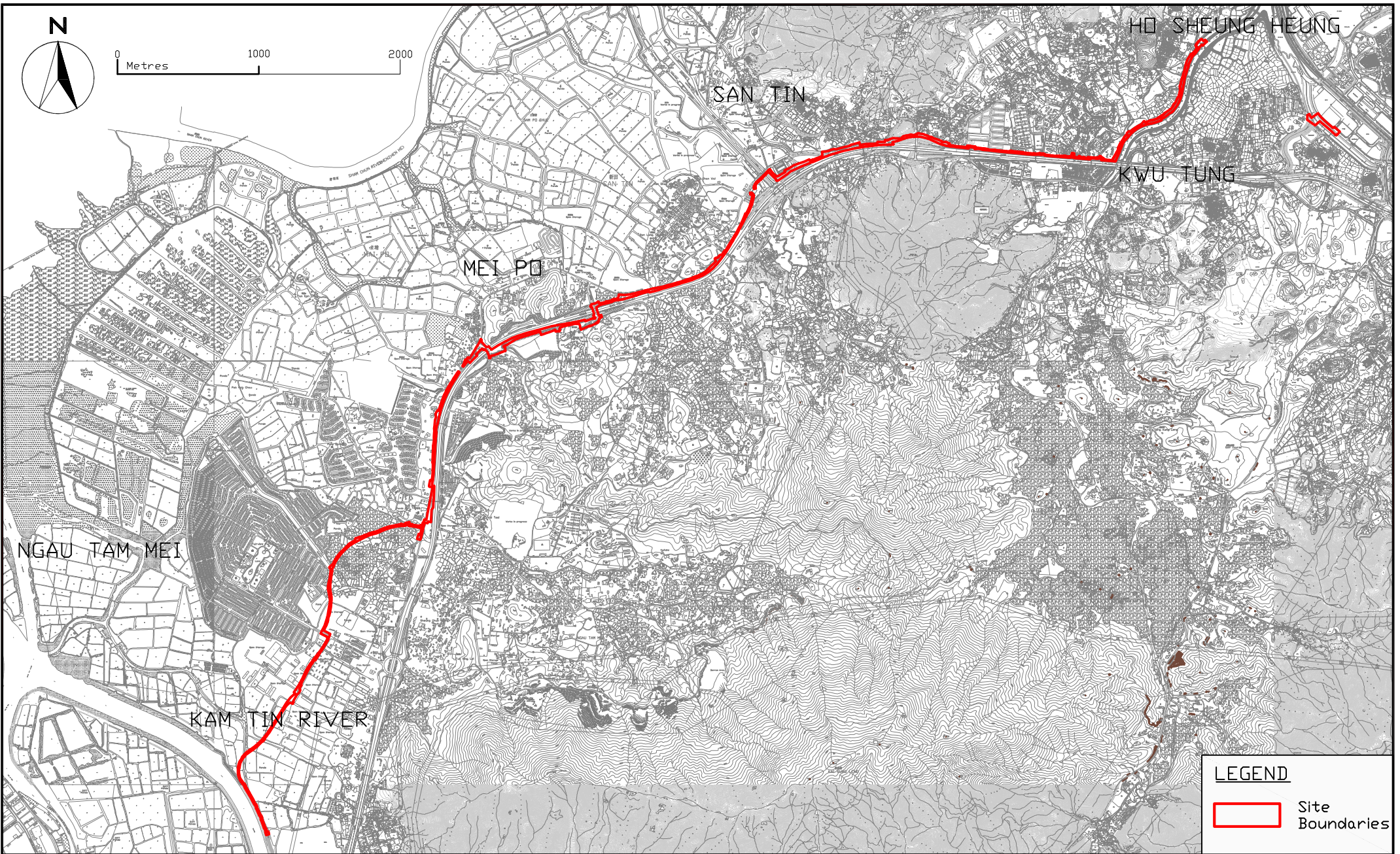
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## FIGURES

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**LEGEND**

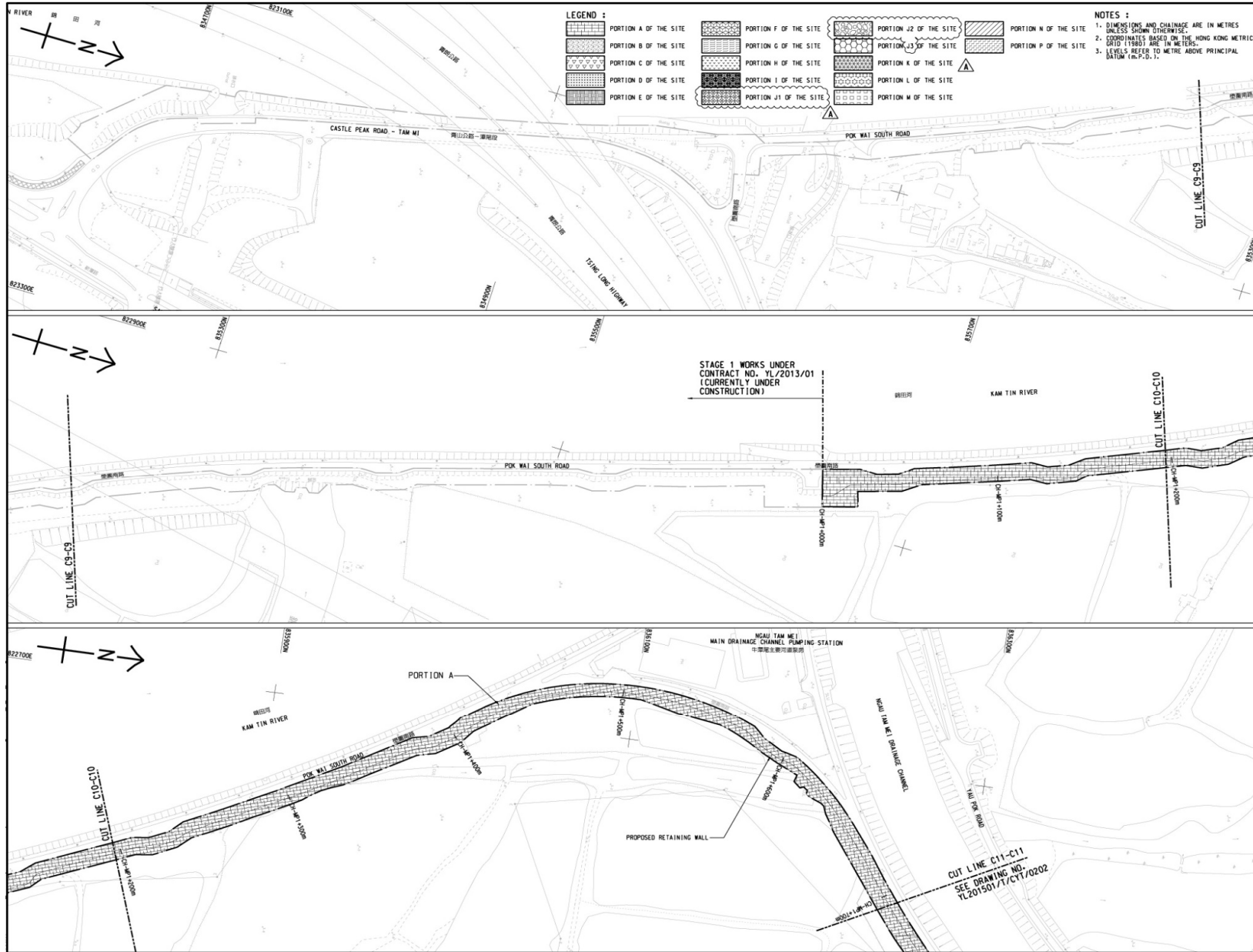
Site Boundaries



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

**SITE LAYOUT PLAN**

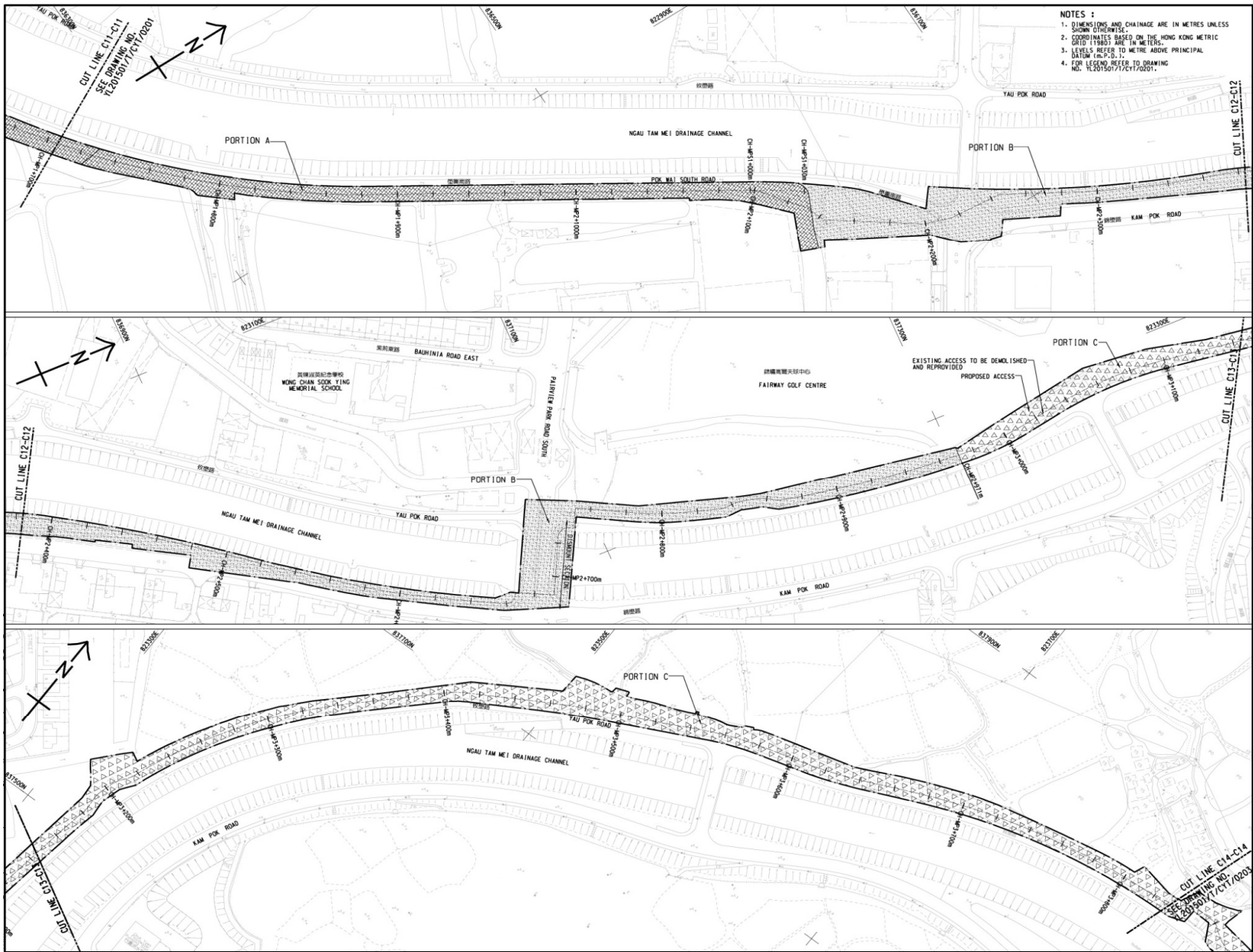
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Title Agreement No. CE 67/2015(HY)  
 Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works  
 Design and Construction  
 Site Layout Plan

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Date	Dec-16	Figure	1b

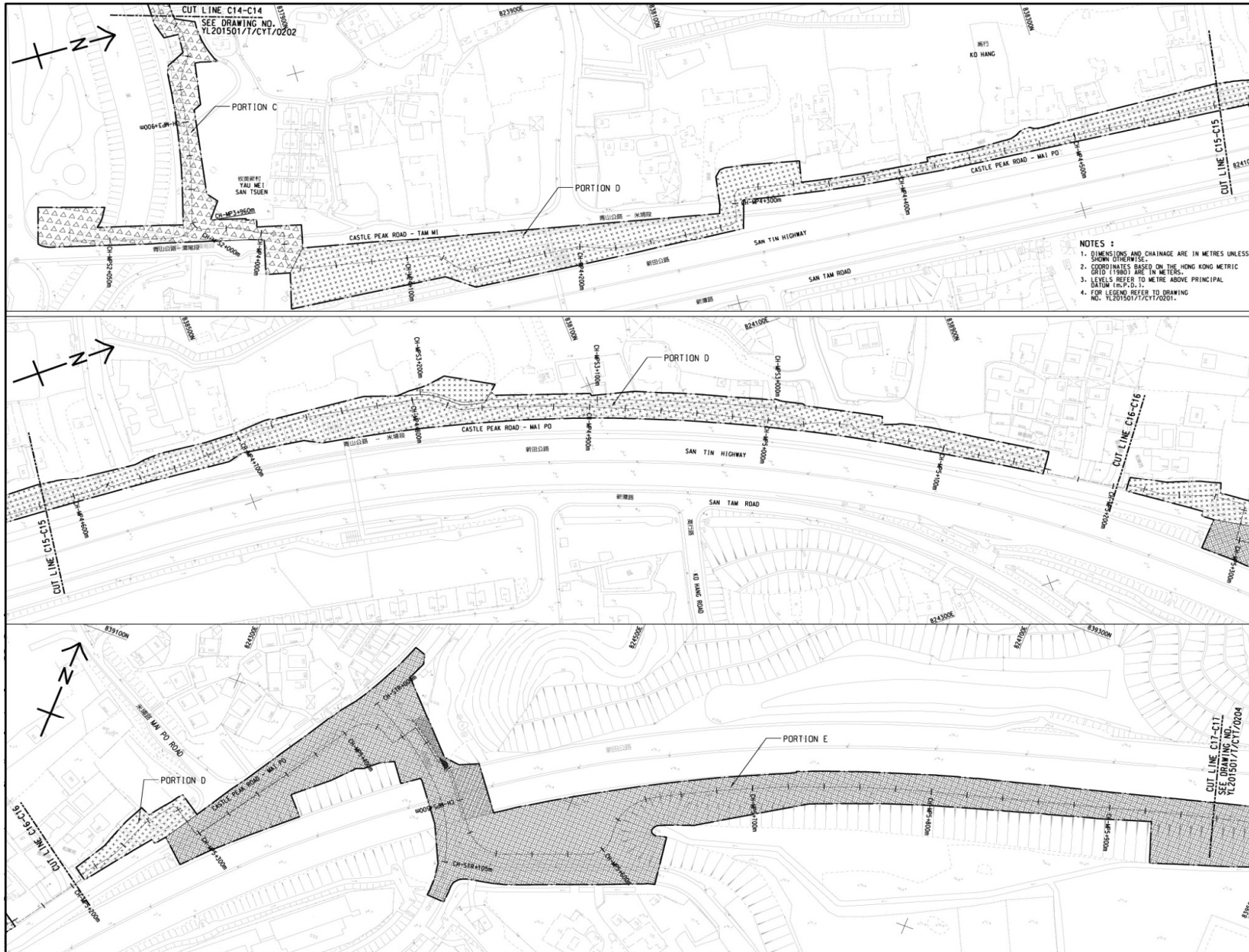
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Title Agreement No. CE 67/2015(HY)  
 Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works  
 Design and Construction  
 Site Layout Plan

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Date	Dec-16	Figure	1c

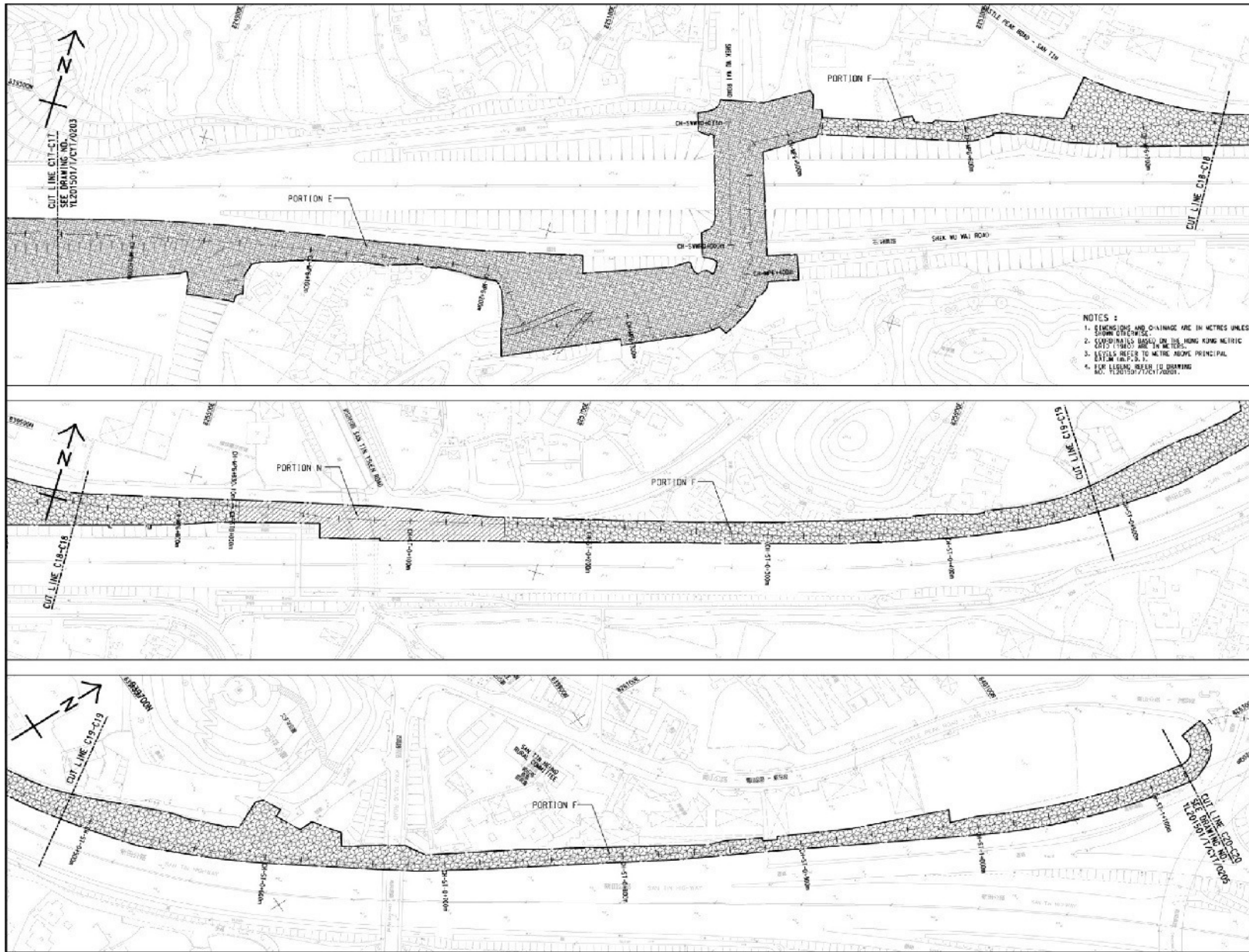




Title Agreement No. CE 67/2015(HY)  
 Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works  
 Design and Construction  
 Site Layout Plan

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Date	Dec-16	Figure	1d



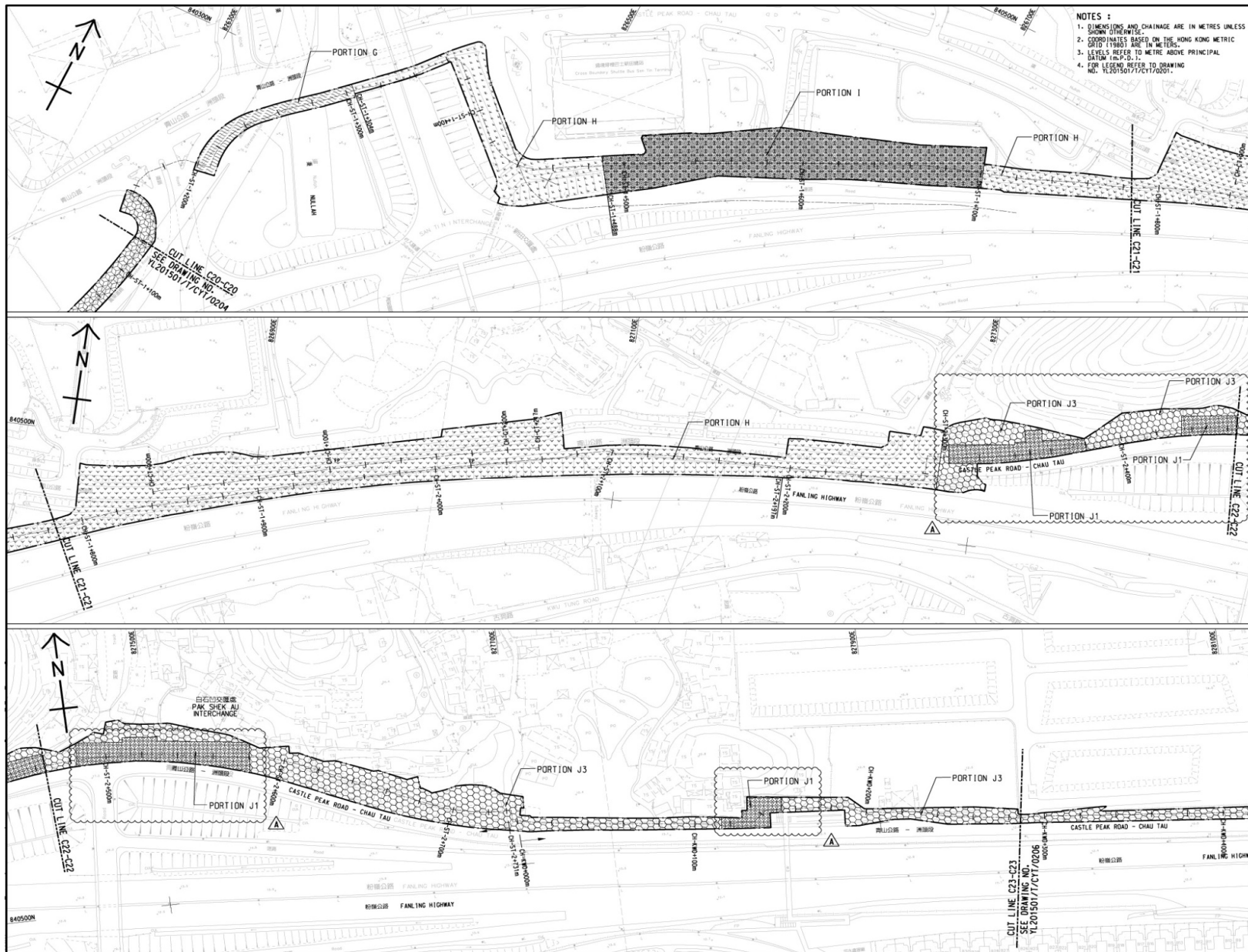


Title

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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Date	Dec-16	Figure	1e

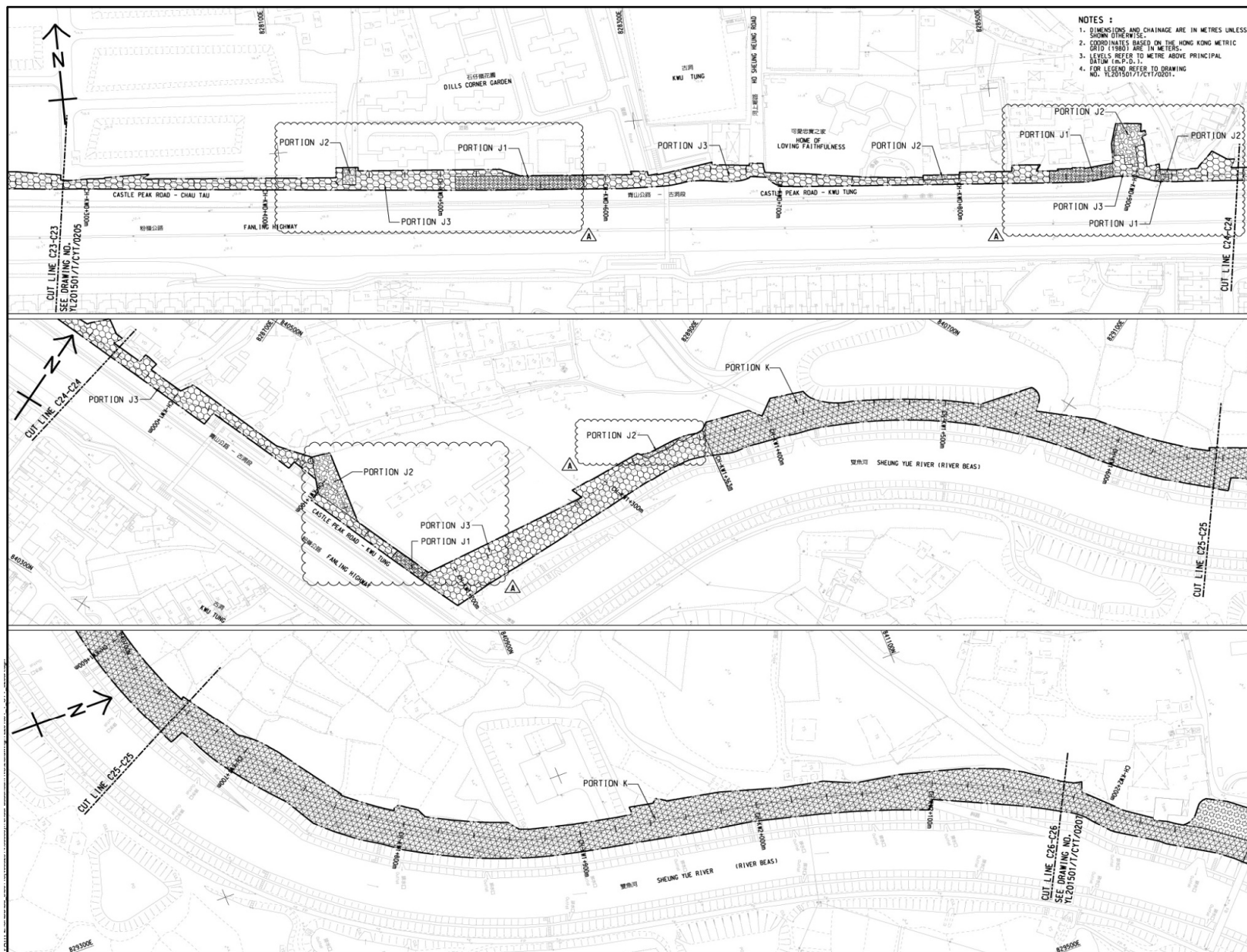
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Title Agreement No. CE 67/2015(HY)  
 Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works  
 Design and Construction  
 Site Layout Plan

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





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



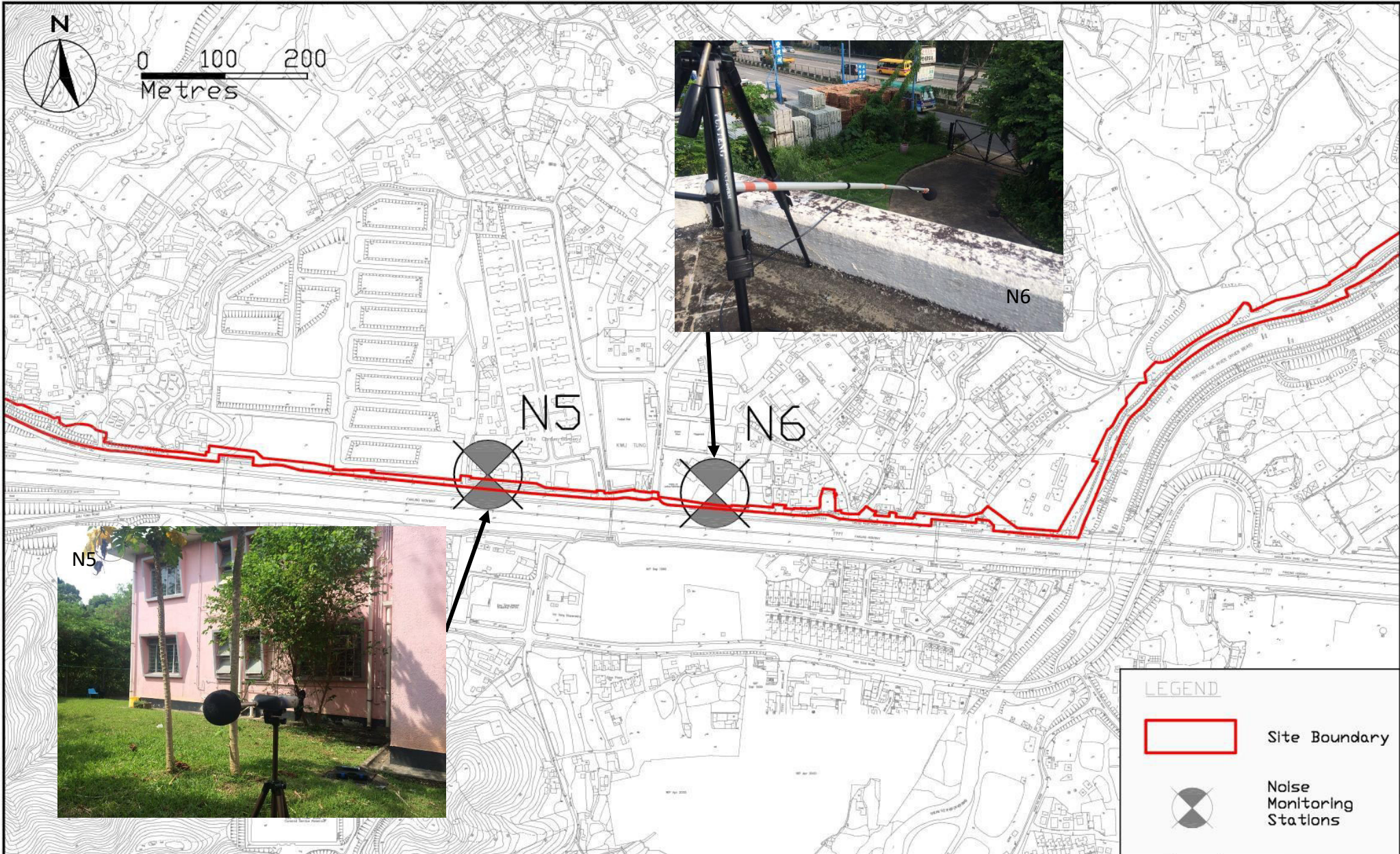
Agreement No. CE 67/2015(HY) - Cycle Tracks from Tuen Mun to Sheung Shui - Remaining Works - Design and Construction



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

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CHECK	JL	DRAWN	VW
JOB No.	MA16036	FIGURE NO.	2b
		REV	-



LEGEND	
	Site Boundary
	Noise Monitoring Stations

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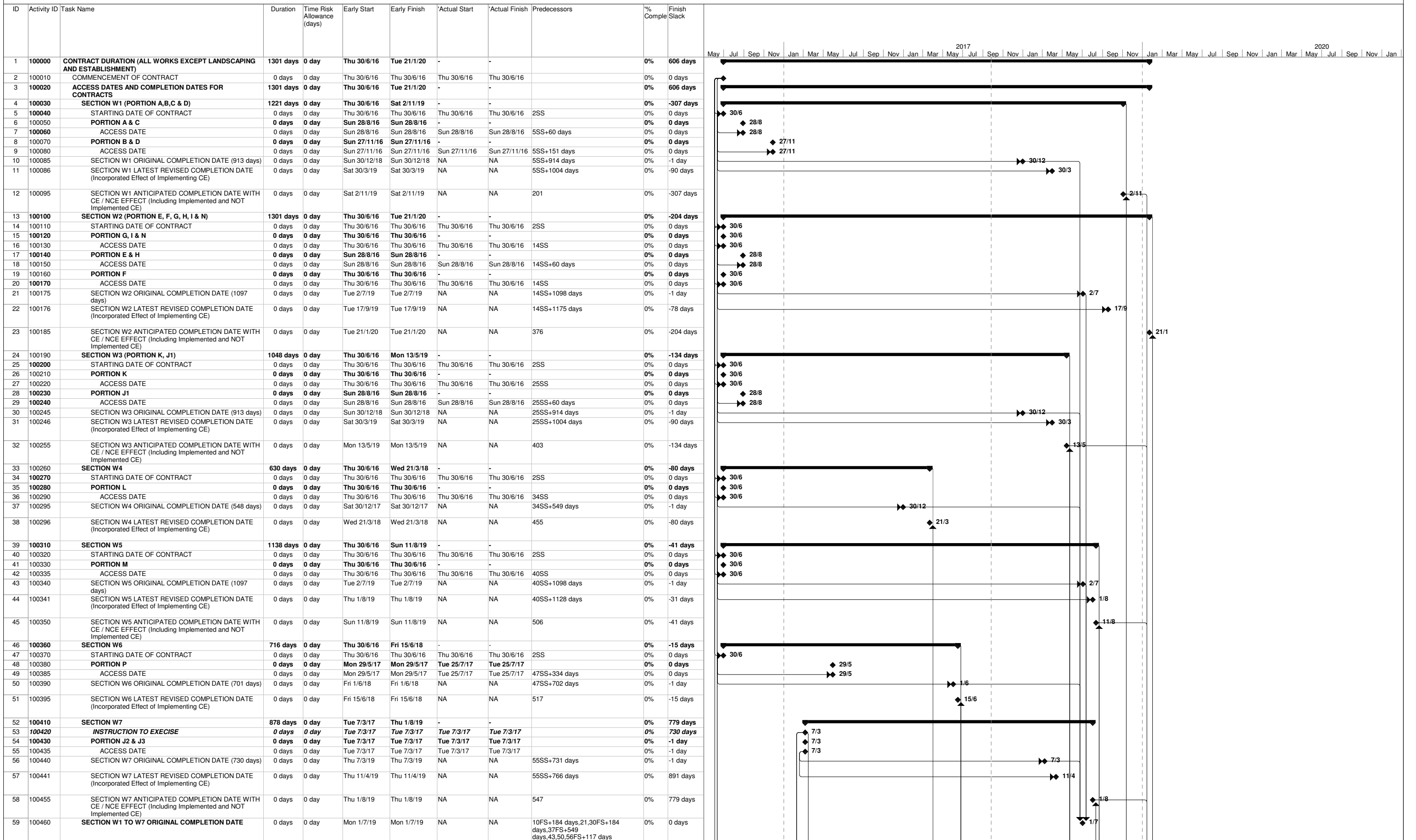
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**APPENDIX A  
CONSTRUCTION PROGRAMME**

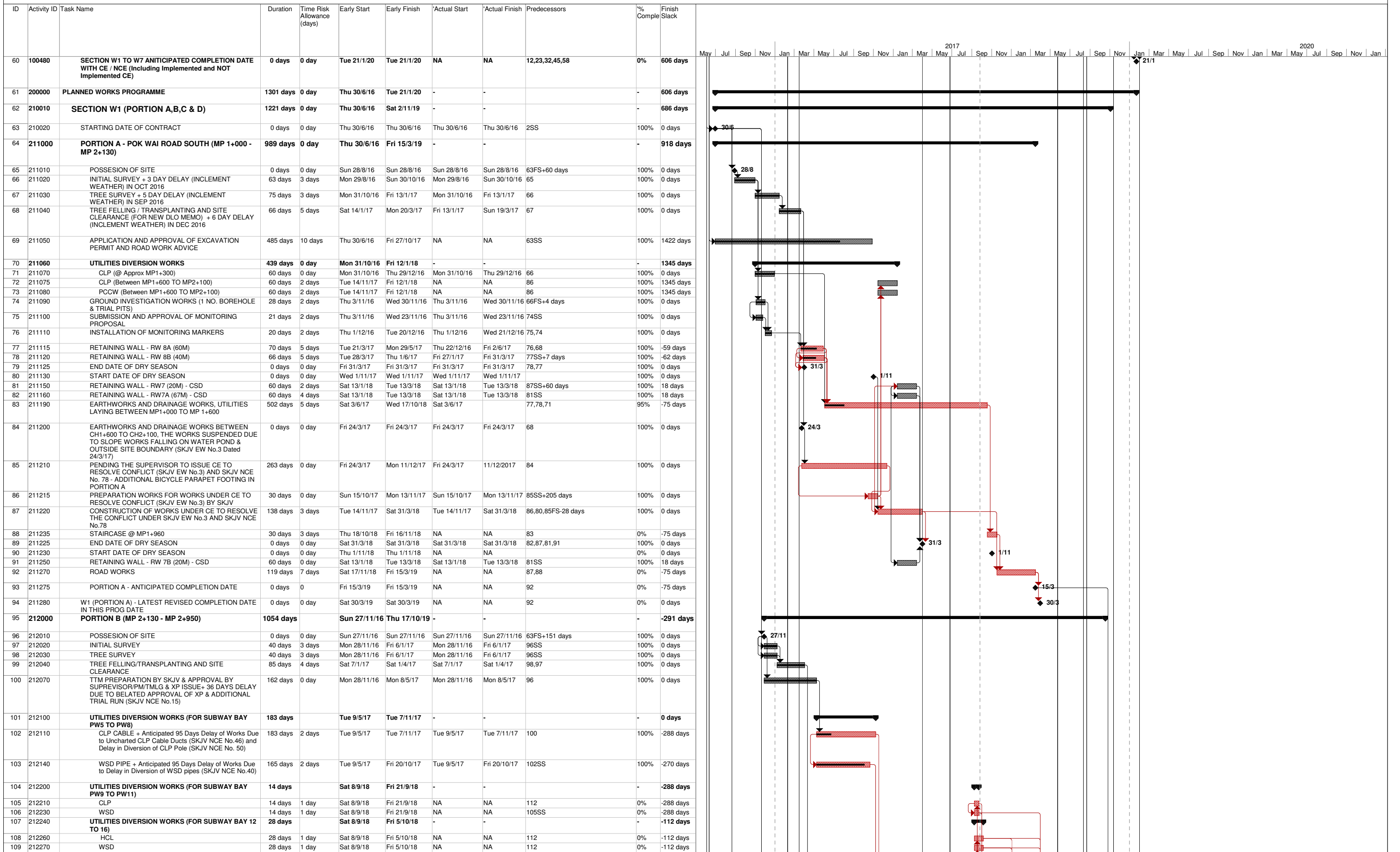
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REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

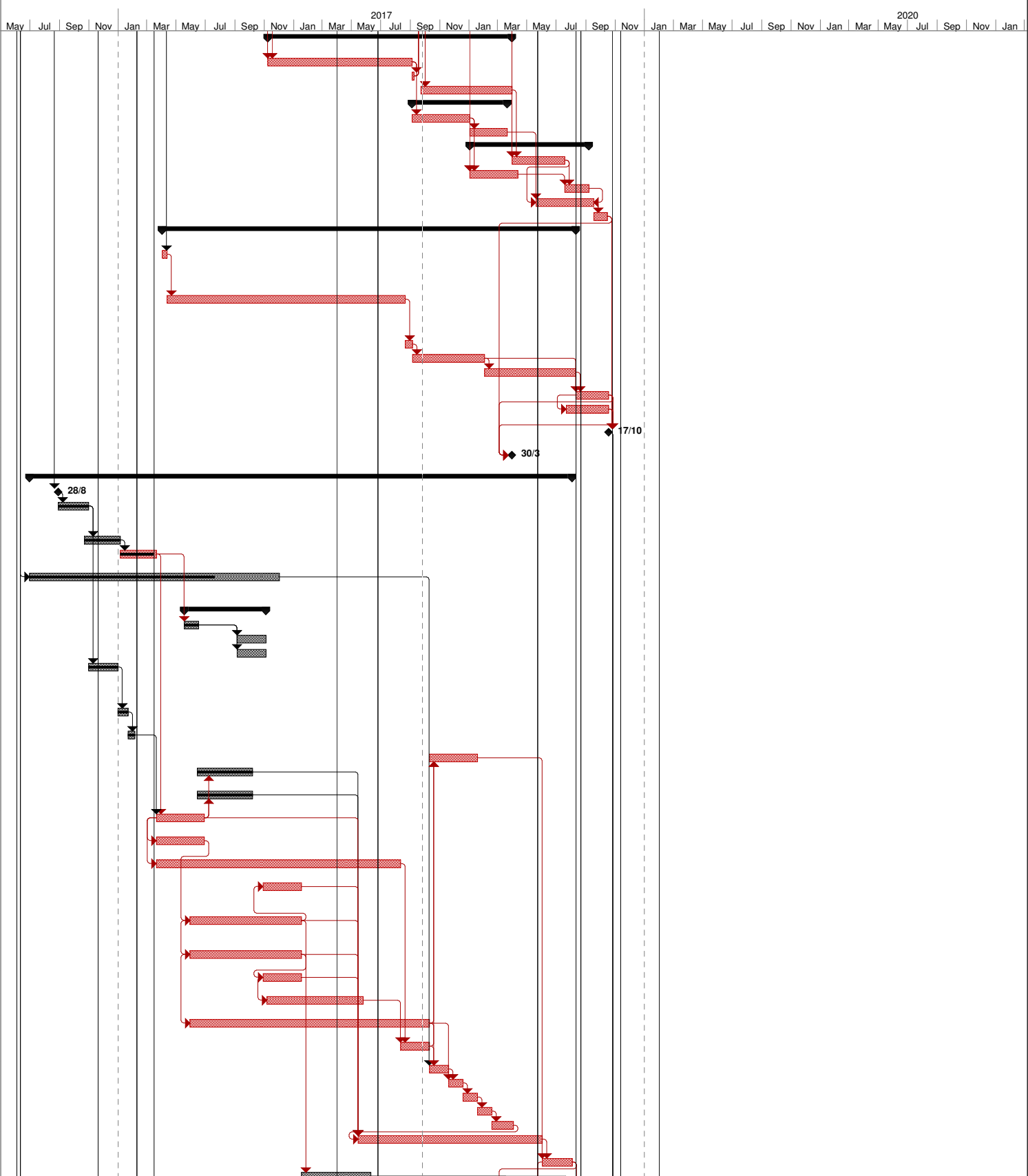
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Split		Project Summary		Inactive Task		Manual Task		Manual Summary		Critical		Deadline	
Milestone		Project Tasks		Inactive Milestone		Duration-only		Start-only		Critical Split			



REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

2

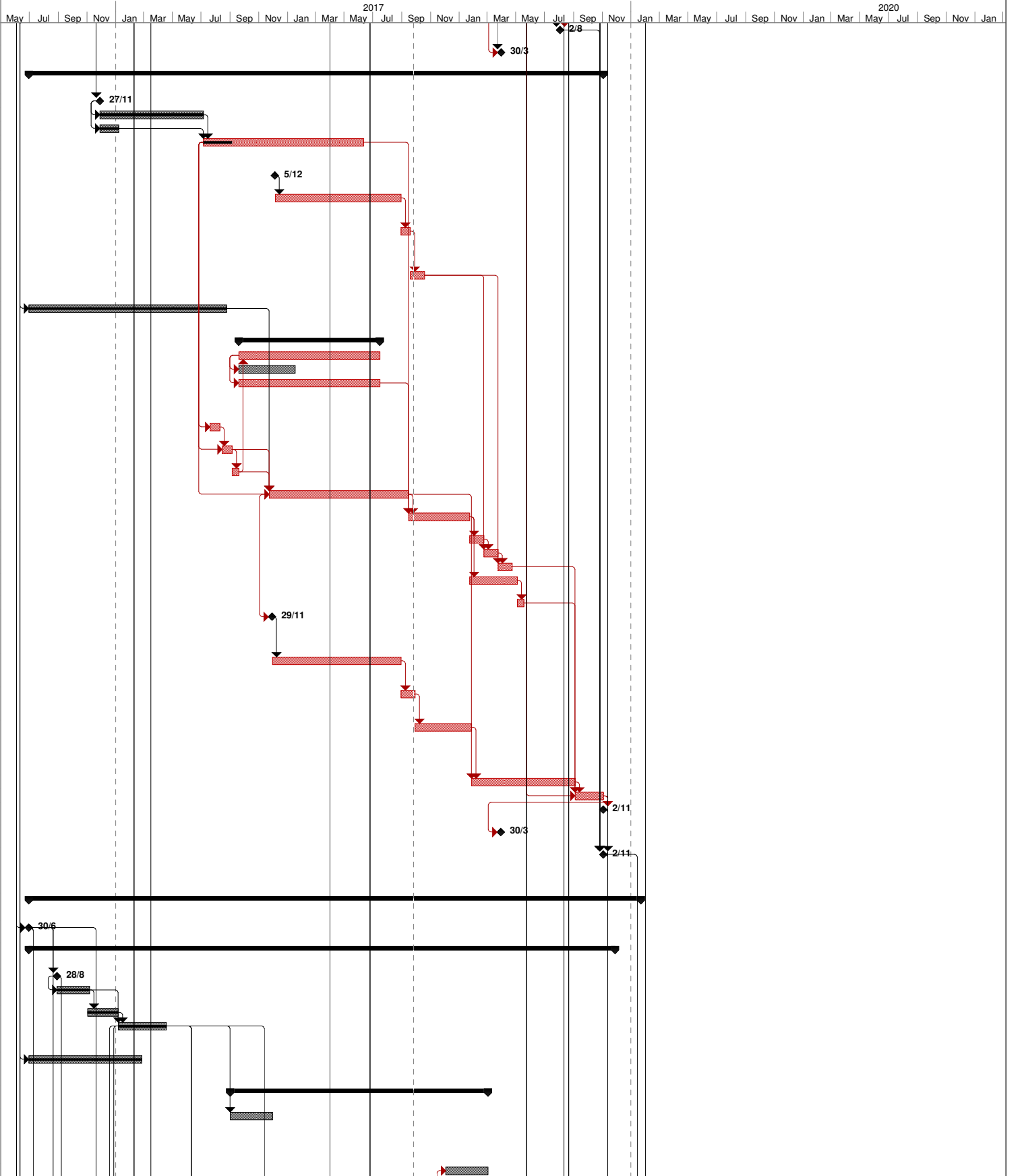
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Complete	Finish Slack
110	212280	<b>SUBWAY A BARRELS WITH PUMP ROOM CONSTRUCTION</b>	<b>508 days</b>		<b>Wed 8/11/17</b>	<b>Sat 30/3/19</b>	-	-		-	<b>-288 days</b>
111	212300	BAY PW5, 6, 7, 8	300 days	5 days	Wed 8/11/17	Mon 3/9/18	Wed 8/11/17	NA	102,103	50%	-288 days
112	212310	TTA FOR BAY PW9, 10, & 11	4 days	3 days	Tue 4/9/18	Fri 7/9/18	NA	NA	111	0%	-288 days
113	212320	BAY PW9 & 10 WITH PUMP HOUSE, PW11	190 days	5 days	Sat 22/9/18	Sat 30/3/19	NA	NA	105,106	0%	-288 days
114	212330	<b>SOUTHERN RAMP CONSTRUCTION</b>	<b>198 days</b>		<b>Tue 4/9/18</b>	<b>Wed 20/3/19</b>	-	-		-	<b>-228 days</b>
115	212340	BAY PW1 TO 4	120 days	2 days	Tue 4/9/18	Tue 1/1/19	NA	NA	111	0%	-228 days
116	212342	INSTALLATION OF ROOF	78 days	2 days	Wed 2/1/19	Wed 20/3/19	NA	NA	115	0%	-228 days
117	212380	<b>NORTHERN RAMP CONSTRUCTION</b>	<b>248 days</b>		<b>Wed 2/1/19</b>	<b>Fri 6/9/19</b>	-	-		-	<b>-278 days</b>
118	212390	BAY PW12 TO 13	110 days	2 days	Sun 31/3/19	Thu 18/7/19	NA	NA	113,106,108,109	0%	-288 days
119	212395	BAY PW14 TO 16	100 days	2 days	Wed 2/1/19	Thu 11/4/19	NA	NA	115,108,109	0%	-180 days
120	212392	INSTALLATION OF ROOF	50 days	2 days	Fri 19/7/19	Fri 6/9/19	NA	NA	119,118	0%	-278 days
121	212415	FNISHING WORKS AND E&M WORKS	120 days	5 days	Mon 20/5/19	Mon 16/9/19	NA	NA	118FS-60 days,116,120FF	0%	-288 days
122	212417	ROAD WORKS INSIDE SUBWAY	28 days	2 days	Tue 17/9/19	Mon 14/10/19	NA	NA	121	0%	-288 days
123	212420	<b>EARTHWORKS AND DRAINAGE WORKS FROM CH 2+350 TO 2+650</b>	<b>861 days</b>		<b>Sun 2/4/17</b>	<b>Sat 10/8/19</b>	-	-		-	<b>-291 days</b>
124	212425	EARTHWORKS AND DRAINAGE WORKS FROM CH 2+350 TO 2+650, SUSPENSION OF WORKS DUE TO CONFLICT OF CYCLE TRACK WITH EXISTING DWARF WALL, MCAL LETTER DATED 11/4/2017	10 days	0 day	Sun 2/4/17	Tue 11/4/17	Sun 2/4/17	Tue 11/4/17	99	100%	-291 days
125	212430	PENDING SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV NCE No.45) & SKJV Letter Ref.: SO/2436 & Dated 20/8/2018 - Confirmation of Additional Bicycle Parapet Footing in Portion B	496 days	0 day	Wed 12/4/17	Mon 20/8/18	Wed 12/4/17	Mon 20/8/18	124	100%	-291 days
126	212435	SKJV NCE No. 45 - Preparation Works	15 days	0 day	Tue 21/8/18	Tue 4/9/18	Tue 21/8/18	NA	125	30%	-291 days
127	212440	SKJV NCE No.45 - Assumed Site Works	150 days	0 day	Wed 5/9/18	Fri 1/2/19	NA	NA	126	0%	-291 days
128	212450	EARTHWORKS AND DRAINAGE WORKS FROM CH 2+650 TO 2+930	190 days	0 day	Sat 2/2/19	Sat 10/8/19	Sat 2/2/19	NA	127	90%	-291 days
129	212455	ROAD WORKS	68 days	7 days	Sun 11/8/19	Thu 17/10/19	NA	NA	127,128	0%	-291 days
130	212460	RESTING STATION R6	88 days	7 days	Mon 22/7/19	Thu 17/10/19	NA	NA	129SS-20 days	0%	-291 days
131	212465	PORTION B - ANTICIPATED COMPLETION DATE	0 days	0 day	Thu 17/10/19	Thu 17/10/19	NA	NA	129,122,130	0%	-291 days
132	212470	W2 (PORTION B) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	129,130,122	0%	0 days
133	213000	<b>PORTION C (MP 2+950 - MP 4+010)</b>	<b>1129 days</b>		<b>Thu 30/6/16</b>	<b>Fri 2/8/19</b>	-	-		-	<b>778 days</b>
134	213010	POSSESSION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	63FS+60 days	100%	0 days
135	213020	INITIAL SURVEY + 9 DAY DELAY (INCLEMENT WEATHER IN SEPT TO OCT 16)	63 days	4 days	Mon 29/8/16	Sun 30/10/16	Mon 29/8/16	Sun 30/10/16	134	100%	0 days
136	213030	TREE SURVEY	75 days	7 days	Sat 22/10/16	Wed 4/1/17	Sat 22/10/16	Wed 4/1/17	135	100%	0 days
137	213040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	75 days	5 days	Thu 5/1/17	Mon 20/3/17	Thu 5/1/17	Mon 13/3/17	136	100%	-215 days
138	213050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	520 days	0 day	Thu 30/6/16	Fri 1/12/17	Thu 30/6/16	Fri 1/12/17	63SS	100%	97 days
139	213060	<b>UTILITIES DIVERSION WORKS</b>	<b>170 days</b>	<b>0 day</b>	<b>Thu 18/5/17</b>	<b>Fri 3/11/17</b>	-	-		-	<b>1415 days</b>
140	213070	CLP	30 days	3 days	Thu 18/5/17	Fri 16/6/17	Thu 18/5/17	Fri 16/6/17	137FS+65 days	100%	0 days
141	213080	PCCW	60 days	3 days	Tue 5/9/17	Fri 3/11/17	NA	NA	140FS+80 days	100%	1415 days
142	213085	WSD	60 days	3 days	Tue 5/9/17	Fri 3/11/17	NA	NA	140FS+80 days	100%	1415 days
143	213090	GROUND INVESTIGATION WORKS (11 NOS. BOREHOLES & TRIAL PITS) + 1 day DELAY (INCLEMENT WEATHER IN OCT 16)	61 days	5 days	Mon 31/10/16	Fri 30/12/16	Mon 31/10/16	Fri 30/12/16	135	100%	0 days
144	213100	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	3 days	Sat 31/12/16	Fri 20/1/17	Sat 31/12/16	Fri 20/1/17	143	100%	0 days
145	213110	INSTALLATION OF MONITORING MARKERS	14 days	2 days	Sat 21/1/17	Fri 3/2/17	Sat 21/1/17	Fri 3/2/17	144	100%	0 days
146	213120	RETAINING WALL - RW 11A (50M) - CSD	100 days	5 days	Wed 10/10/18	Thu 17/1/19	Wed 4/7/18	NA	157,158	20%	-80 days
147	213130	RETAINING WALL - RW 11B : BAY1 - BAY 6 (60M)	115 days	5 days	Wed 14/6/17	Fri 6/10/17	Tue 30/5/17	Fri 6/10/17	149	100%	0 days
148	213140	RETAINING WALL - RW 11B : BAY 7 - BAY 12 (60M)	115 days	5 days	Wed 14/6/17	Fri 6/10/17	Tue 30/5/17	Fri 6/10/17	149FS-30 days	100%	0 days
149	213150	RETAINING WALL - RW 11C : BAY 1 - BAY 7 (70M)	100 days	7 days	Tue 21/3/17	Wed 28/6/17	Tue 21/3/17	Wed 28/6/17	145,137	100%	-215 days
150	213160	RETAINING WALL - RW 11C : BAY 8 - BAY 14 (70M)	100 days	5 days	Tue 21/3/17	Wed 28/6/17	Tue 21/3/17	Wed 28/6/17	149SS	100%	-215 days
151	213170	RETAINING WALL - RW 11C : BAY 15 - BAY 26 (+ SKJV NCE)	508 days	7 days	Tue 21/3/17	Fri 10/8/18	Tue 21/3/17		149SS	100%	-215 days
152	213175	RETAINING WALL - RW 12 : BAY 0 (+ Delay due to SKJV NCE No.99 - 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	153FS-80 days	100%	-97 days
153	213180	RETAINING WALL - RW 12 : BAY 1 - BAY 8 (80M) (+ DELAY DUE TO OF WORKS DUE TO CONFLICT OF CLP's POLE	232 days	7 days	Tue 30/5/17	Tue 16/1/18	Tue 30/5/17	Tue 16/1/18	150FS-30 days	100%	-215 days
154	213190	RETAINING WALL - RW 12 : BAY 9 - BAY 16 (80M)	232 days	7 days	Tue 30/5/17	Tue 16/1/18	Tue 30/5/17	Tue 16/1/18	153SS	100%	-215 days
155	213195	RETAINING WALL - RW 12 : BAY 17 TO 18 (+SKJV NCE)	80 days	2 days	Sun 29/10/17	Tue 16/1/18	Sun 29/10/17	Tue 16/1/18	154FS-80 days	100%	-137 days
156	213200	RETAINING WALL - RW 13 (40M) (+ SKJV NCE)	200 days	5 days	Mon 6/11/17	Thu 24/5/18	Mon 6/11/17	Thu 24/5/18	155SS+8 days	100%	-137 days
157	213210	RETAINING WALL - RW 14, STAIRCASE S4 (55M)	498 days	5 days	Tue 30/5/17	Tue 9/10/18	Tue 30/5/17	NA	154SS	70%	-215 days
158	213220	RETAINING WALL - RW 15A (7.5M) (+ SKJV NCE No)	60 days	2 days	Sat 11/8/18	Tue 9/10/18	NA	NA	156,151	50%	-215 days
159	213230	RAMP NEAR YAU POK ROAD	40 days	2 days	Wed 10/10/18	Sun 18/11/18	NA	NA	158,138,157	0%	-215 days
160	213240	STAIRCASE S1	30 days	0 day	Mon 19/11/18	Tue 18/12/18	NA	NA	159,157	0%	-215 days
161	213250	STAIRCASE S2	30 days	0 day	Wed 19/12/18	Thu 17/1/19	NA	NA	160	0%	-215 days
162	213260	STAIRCASE S3	30 days	0 day	Fri 18/1/19	Sat 16/2/19	NA	NA	161	0%	-215 days
163	213270	RAMP AND STAIRCASE - CSR1	45 days	0 day	Sun 17/2/19	Tue 2/4/19	NA	NA	162	0%	-215 days
164	213280	EARTHWORKS AND DRAINAGE WORKS FROM CH2+971 TO 4+010 (+ SKJV NCE)	383 days	10 days	Tue 15/5/18	Sat 1/6/19	Wed 17/1/18	NA	147,148,149,152,153,154,155,163FS-days	-60%	-215 days
165	213290	ROAD WORKS	62 days	5 days	Sun 2/6/19	Fri 2/8/19	NA	NA	164,146	0%	-215 days
166	213300	RESTING STATION R7	144 days	10 days	Wed 17/1/18	Sat 9/6/18	NA	NA	153	50%	204 days



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

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack
167	213310	PORTION C - ANTICIPATED COMPLETION DATE	0 days	0 day	Fri 2/8/19	Fri 2/8/19	NA	NA	165,166	0%	-215 days
168	213320	W1 (PORTION C) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	165,166	0%	0 days
169	214000	<b>PORTION D (MP 4+010 - MP 5+280)</b>	<b>1221 days</b>		<b>Thu 30/6/16</b>	<b>Sat 2/11/19</b>	-	-		-	<b>686 days</b>
170	214010	POSSESSION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	63FS+151 days	100%	0 days
171	214020	INITIAL SURVEY	220 days	3 days	Mon 28/11/16	Wed 5/7/17	Mon 28/11/16	Wed 5/7/17	170SS	100%	0 days
172	214030	TREE SURVEY	40 days	3 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	170SS	100%	0 days
173	214040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE EXCLUDING CH-MP5+050 TO 5+290 (+ DELAY DUE TO INCREMENT WEATHER)	340 days	5 days	Thu 6/7/17	Sun 10/6/18	Thu 6/7/17	NA	172,171	70%	-102 days
174	214041	TREE FELLING WORKS FROM CH-MP5+050 TO 5+290 WAS SUSPENDED, SKJV EW No.12	1 day	0 day	Tue 5/12/17	Tue 5/12/17	Tue 5/12/17	Tue 5/12/17			-47 days
175	214042	PENDING THE SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV EW No.12), Up to this Prog Date	267 days	0 day	Wed 6/12/17	Wed 29/8/18	Wed 6/12/17	NA	174		-47 days
176	214043	PREPARATION WORKS FOR TREE FELLING WORKS UNDER CE TO RESOLVE CONFLICT (SKJV EW No.12) BY SKJV (ASSUMED 20 days)	20 days	0 day	Thu 30/8/18	Tue 18/9/18	NA	NA	175		-47 days
177	214044	TREE FELLING WORKS FROM CH-MP5+050 TO 5+290 (SKJV EW No. 12)	30 days	0 day	Wed 19/9/18	Thu 18/10/18	NA	NA	176		-47 days
178	214050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	420 days	0 day	Thu 30/6/16	Wed 23/8/17	Thu 30/6/16	NA	63SS	100%	0 days
179	214060	<b>UTILITIES DIVERSION WORKS</b>	<b>300 days</b>	<b>0 day</b>	<b>Tue 19/9/17</b>	<b>Sun 15/7/18</b>	-	-		-	<b>1161 days</b>
180	214070	CLP	300 days	3 days	Tue 19/9/17	Sun 15/7/18	Tue 19/9/17	NA	185	50%	-97 days
181	214080	PCCW	120 days	3 days	Tue 19/9/17	Tue 16/1/18	Tue 19/9/17	Tue 16/1/18	180SS	100%	1341 days
182	214085	WSD (+DELAY DUE TO SKJV NCE No.63 Additional Relocation of Existing WSD Utilities in Conflict with Proposed Works, up to this Prog Date)	300 days	3 days	Tue 19/9/17	Sun 15/7/18	Tue 19/9/17	NA	180SS	25%	-97 days
183	214090	GROUND INVESTIGATION WORKS (3 NOS. BOREHOLE & TRIAL PITS)	21 days	2 days	Thu 20/7/17	Wed 9/8/17	Wed 15/2/17	Tue 7/3/17	173SS+14 days	100%	-231 days
184	214100	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Tue 15/8/17	Mon 4/9/17	Tue 15/8/17	Mon 4/9/17	173SS+40 days,183	100%	-236 days
185	214110	INSTALLATION OF MONITORING MARKERS	14 days	2 days	Tue 5/9/17	Mon 18/9/17	Tue 5/9/17	Mon 18/9/17	184	100%	-236 days
186	214120	RETAINING WALL - RW 15B (70M) (+ DELAY DUE TO SKJV NCE)	296 days	7 days	Thu 23/11/17	Fri 14/9/18	Thu 23/11/17	NA	173SS+140 days,184,185,178	60%	-301 days
187	214130	RETAINING WALL - RW 15C (45M) & STAIRCASE S6	130 days	7 days	Sat 15/9/18	Tue 22/1/19	NA	NA	186,182FS-40 days,173	0%	-198 days
188	214140	STREAM DECKING D1	30 days	3 days	Wed 23/1/19	Thu 21/2/19	NA	NA	187	0%	-173 days
189	214150	STREAM DECKING D2	30 days	3 days	Fri 22/2/19	Sat 23/3/19	NA	NA	188,177	0%	-173 days
190	214160	STREAM DECKING D3	30 days	3 days	Sun 24/3/19	Mon 22/4/19	NA	NA	189,177	0%	-173 days
191	214170	PEDSTRIAN RAMP CONSTRUCTION & PROVIDE SAFETY ACCESS TO RESIDENT	101 days	7 days	Wed 23/1/19	Fri 3/5/19	NA	NA	187	0%	-198 days
192	214190	DEMOLITION OF EXISTING STRUCTURE	14 days	2 days	Sat 4/5/19	Fri 17/5/19	NA	NA	191	0%	-198 days
193	214200	RW16A (80M) (THE WORKS SUSPENDED, SKJV EW No.10 - Conflict of Proposed Cycle Track and Actual Site Condition CH-MP-4+660 TO 5+010)	1 day	0 day	Wed 29/11/17	Wed 29/11/17	Wed 29/11/17	Wed 29/11/17	186SS	0%	-307 days
194	214201	PENDING THE SUPERVISOR TO ISSUE CE TO RESOLVE CONFLICT (SKJV EW No.10), Up to this Prog Date	273 days	0 day	Thu 30/11/17	Wed 29/8/18	Thu 30/11/17	NA	193	0%	-307 days
195	214202	PREPARATION WORKS FOR WORKS UNDER CE TO RESOLVE CONFLICT (SKJV EW No.10) BY SKJV (ASSUMED 30 days)	30 days	0 day	Thu 30/8/18	Fri 28/9/18	NA	NA	194	0%	-307 days
196	214203	CONSTRUCTION WORKS UNDER CE TO RESOLVE CONFLICT OF SKJV EW No.10, DUARTION WAS ASSUMED TO THE SAME AS THE DURATION AS CONFORMING DESIGN OF 120 days	120 days	0 day	Sat 29/9/18	Sat 26/1/19	NA	NA	195	0%	-307 days
197	214210	EARTHWORKS AND DRAINAGE WORKS	220 days	8 days	Sun 27/1/19	Tue 3/9/19	NA	NA	196,186	0%	-307 days
198	214220	ROAD WORKS	60 days	6 days	Sat 2/11/19	Wed 4/9/19	NA	NA	165SS,197,192,190	0%	-307 days
199		PORTION D - ANTICIPATED COMPLETION DATE	0 days	0 day	Sat 2/11/19	Sat 2/11/19	NA	NA	198		-307 days
200	214225	W1 (PORTION D) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	198	0%	0 days
201	210030	<b>SECTION W1 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCREMENT WEATHER &amp; OTHER ISSUES</b>	<b>0 days</b>	<b>0 day</b>	<b>Sat 2/11/19</b>	<b>Sat 2/11/19</b>	<b>NA</b>	<b>NA</b>	<b>93,131,167,199</b>	-	<b>-307 days</b>
202		<b>SECTION W2 (PORTION E, F, G, H, I &amp; N)</b>	<b>1301 days</b>	<b>days</b>	<b>Thu 30/6/16</b>	<b>Tue 21/1/20</b>	-	-		-	<b>606 days</b>
203	220010	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days
204	221000	<b>PORTION E (MP 5+280 - MP 6+530)</b>	<b>1246 days</b>	<b>days</b>	<b>Thu 30/6/16</b>	<b>Wed 27/11/19</b>	-	-		-	<b>661 days</b>
205	221010	POSSESSION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	203FS+60 days	100%	0 days
206	221020	INITIAL SURVEY + 4 DAY DELAY (INCREMENT WEATHER) IN NOV 16	69 days	5 days	Mon 29/8/16	Sat 5/11/16	Mon 29/8/16	Sat 5/11/16	205SS	100%	0 days
207	221030	TREE SURVEY	65 days	5 days	Wed 2/11/16	Thu 5/1/17	Wed 2/11/16	Thu 5/1/17	206	100%	0 days
208	221040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE (+ DELAY DUE TO INCREMENT WEATHER)	102 days	5 days	Fri 6/1/17	Mon 17/4/17	Fri 6/1/17	Mon 17/4/17	206,207	100%	0 days
209	221050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	240 days	0 day	Thu 30/6/16	Fri 24/2/17	Thu 30/6/16	Fri 24/2/17	203SS	100%	0 days
210	221060	<b>UTILITIES DIVERSION WORKS (GAS MAIN, CLP, WSD)</b>	<b>548 days</b>	<b>0 day</b>	<b>Fri 1/9/17</b>	<b>Sat 2/3/19</b>	-	-		-	<b>931 days</b>
211	221070	GAS MAIN (Culvert D4), Liaison for Gas Main Diversion will be conducted once the realignment of Cycle Track at Culvert D4 is fixed (NO DIVERSION IS REQUIRED)	90 days	5 days	Fri 1/9/17	Wed 29/11/17	NA	NA	208FS+136 days	100%	1389 days
212	221080	CLP (NOT REQUIRED)	90 days	5 days	Mon 3/12/18	Sat 2/3/19	NA	NA	231SS	100%	931 days

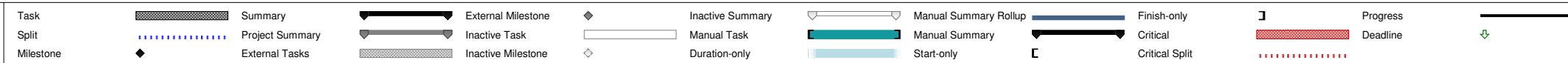
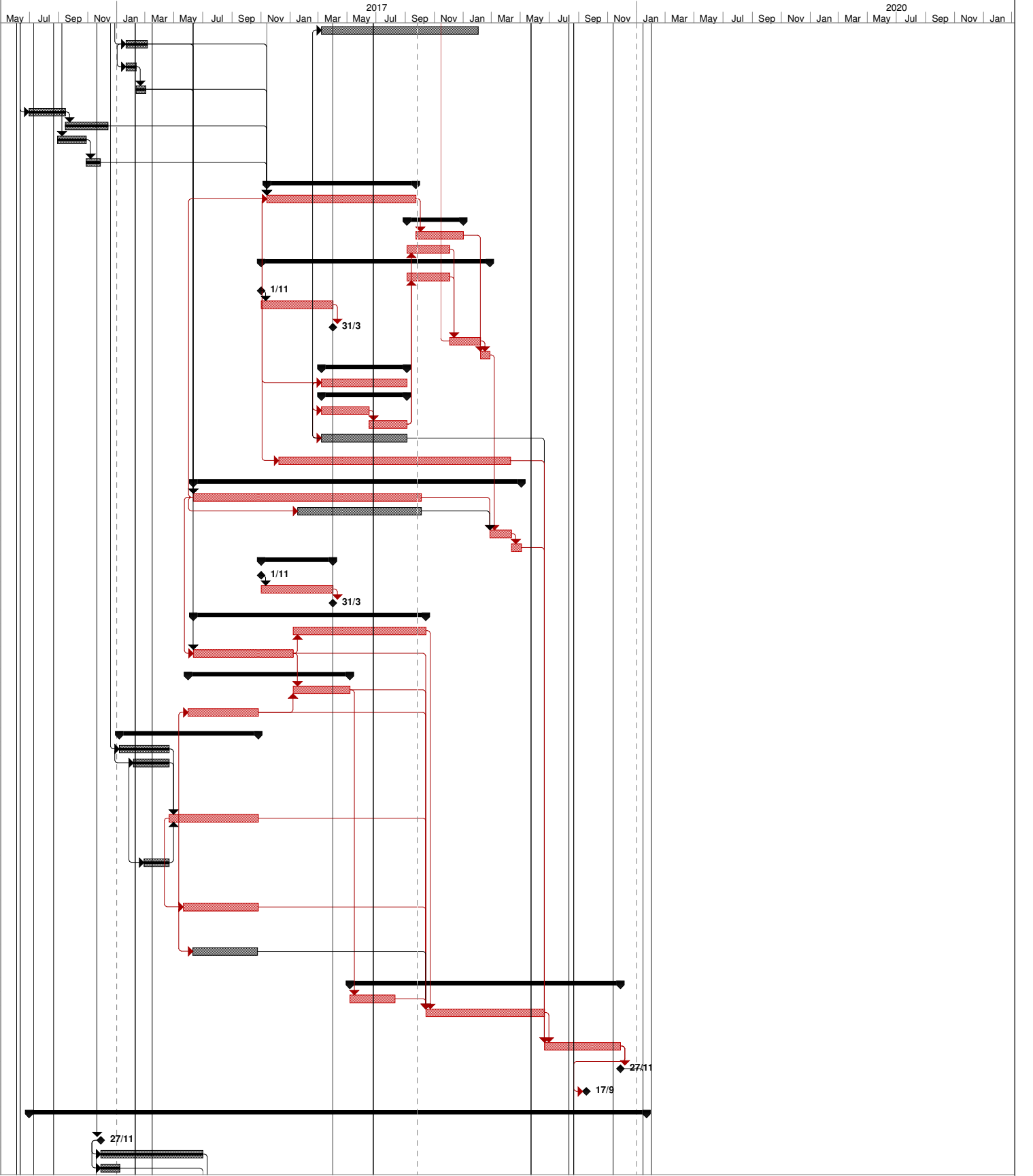


Task		Summary		External Milestone		Inactive Summary		Manual Summary Rollup		Finish-only		Progress	
Split		Project Summary		Inactive Task		Manual Task		Manual Summary		Critical		Deadline	
Milestone		External Tasks		Inactive Milestone		Duration-only		Start-only		Critical Split			

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

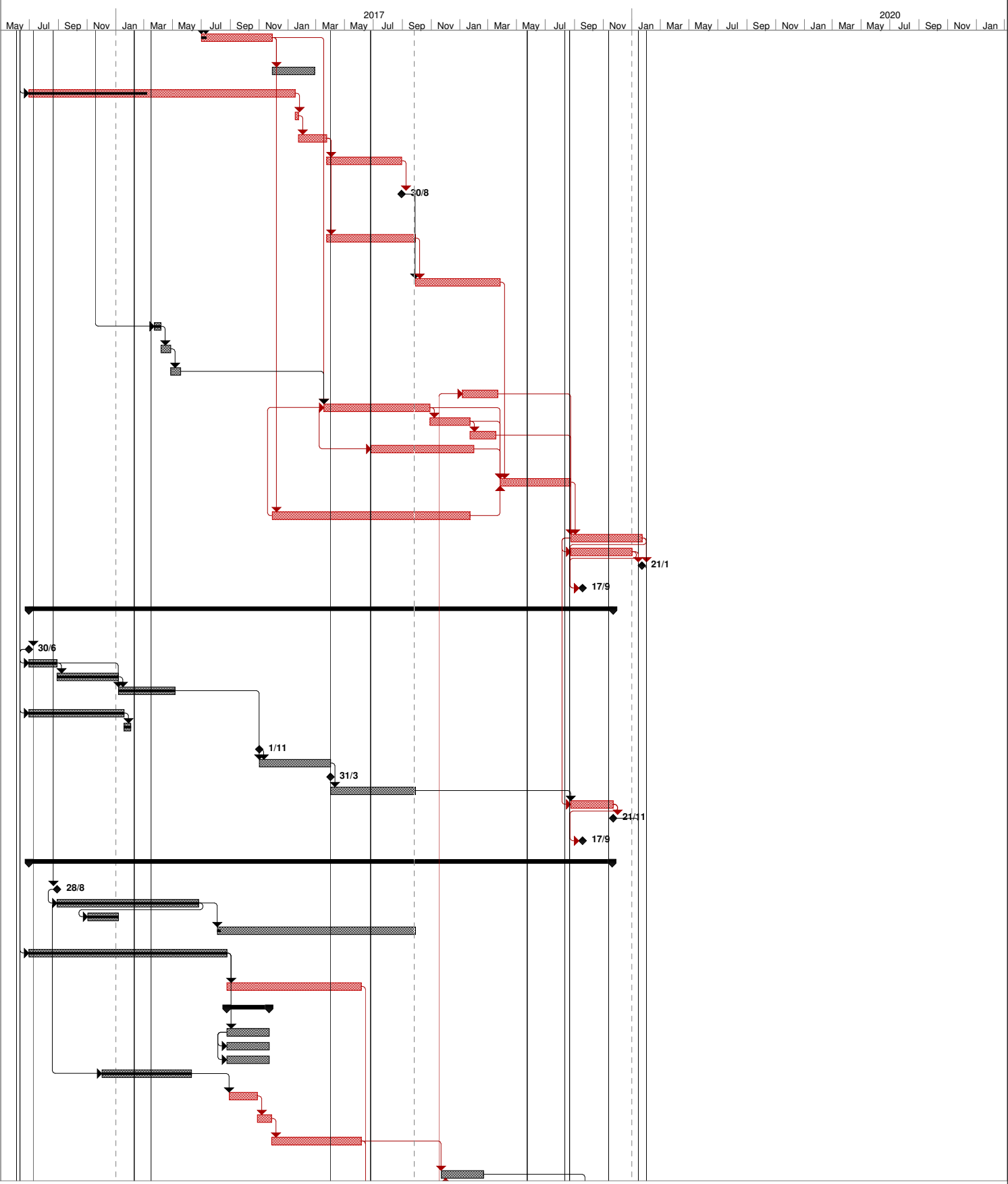


ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack
213	221081	WSD	330 days	5 days	Thu 8/3/18	Thu 31/1/19	NA	NA	238SS	75%	961 days
214	221090	GROUND INVESTIGATION WORKS (9 NOS. BOREHOLE & TRIAL PITS)	45 days	4 days	Fri 20/1/17	Sun 5/3/17	Fri 20/1/17	Sun 5/3/17	208SS+14 days	100%	0 days
215	221100	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Fri 20/1/17	Thu 9/2/17	Fri 20/1/17	Thu 9/2/17	214SS	100%	0 days
216	221110	INSTALLATION OF MONITORING MARKERS	21 days	2 days	Fri 10/2/17	Thu 2/3/17	Fri 10/2/17	Thu 2/3/17	215	100%	0 days
217	221120	TTM PREPARATION	76 days	7 days	Thu 30/6/16	Tue 13/9/16	Thu 30/6/16	Tue 13/9/16	2SS	100%	0 days
218	221130	TTM APPROVAL BY RSS/TMLG	90 days	7 days	Wed 14/9/16	Mon 12/12/16	Wed 14/9/16	Mon 12/12/16	217	100%	0 days
219	221140	PREPARATION OF TDMP FOR BOX CULVERTS	60 days	5 days	Mon 29/8/16	Thu 27/10/16	Mon 29/8/16	Thu 27/10/16	205	100%	0 days
220	221150	APPROVAL OF TDMP BY SUPERVISOR/DSD	30 days	3 days	Fri 28/10/16	Sat 26/11/16	Fri 28/10/16	Sat 26/11/16	219	100%	0 days
221	221160	<b>MP 5+465 - MP 5+515</b>	<b>314 days</b>		<b>Mon 13/11/17</b>	<b>Sat 22/9/18</b>	-	-	-	-	<b>-100 days</b>
222	221170	RETAINING WALL - RW D02 & D04 (80M) + SKJV NCE	314 days	2 days	Mon 13/11/17	Sat 22/9/18	Wed 20/9/17	NA	208,218,220,214,216,241SS+155 days	15%	-100 days
223	221180	<b>MP 5+515 - MP 5+595</b>	<b>119 days</b>		<b>Tue 4/9/18</b>	<b>Mon 31/12/18</b>	-	-	-	-	<b>-64 days</b>
224	221190	RETAINING WALL - RW D05 & D06 (50M)	100 days	2 days	Sun 23/9/18	Mon 31/12/18	NA	NA	222	0%	-64 days
225	221200	RETAINING WALL - RW D07 (70M) - CSD	90 days	3 days	Tue 4/9/18	Sun 2/12/18	NA	NA	237	0%	-100 days
226	221210	<b>MP 5+280 - MP 6+020</b>	<b>482 days</b>		<b>Wed 1/11/17</b>	<b>Mon 25/2/19</b>	-	-	-	-	<b>-100 days</b>
227	221220	RETAINING WALL - RW D03 (11M)	90 days	3 days	Tue 4/9/18	Sun 2/12/18	NA	NA	237	0%	-100 days
228	221225	START DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17		100%	0 days
229	221230	BOX CULVERT D4 + CE-048 REVISED BOX CULVERT D4	151 days	4 days	Wed 1/11/17	Sat 3/3/18	Wed 1/11/17	Thu 29/3/18	228	100%	0 days
230	221235	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	229	100%	0 days
231	221250	ROAD WORKS FOR REALIGNMENT	65 days	3 days	Mon 3/12/18	Tue 5/2/19	NA	NA	227,225	0%	-100 days
232	221260	REALIGNMENT SAN TAM ROAD	20 days	2 days	Wed 6/2/19	Mon 25/2/19	NA	NA	231,224	0%	-100 days
233	221270	<b>MP 5+900 - MP 6+020</b>	<b>180 days</b>		<b>Thu 8/3/18</b>	<b>Mon 3/9/18</b>	-	-	-	-	<b>-100 days</b>
234	221280	RETAINING WALL - RW D15 (113M) - CSD	180 days	10 days	Thu 8/3/18	Mon 3/9/18	Sat 13/1/18	NA	222SS+115 days	80%	-100 days
235	221290	<b>MP 5+ 595 - MP 5+900</b>	<b>180 days</b>		<b>Thu 8/3/18</b>	<b>Mon 3/9/18</b>	-	-	-	-	<b>-100 days</b>
236	221300	RETAINING WALL - RW D10 (50M) - CSD	100 days	7 days	Thu 8/3/18	Fri 15/6/18	Sat 13/1/18	NA	234SS	80%	-100 days
237	221310	RETAINING WALL - RW D08 (66M) - CSD	80 days	8 days	Sat 16/6/18	Mon 3/9/18	NA	NA	236	80%	-100 days
238	221320	DRAINAGE WORKS, EARTHWORKS FOR RWD15, D10 & D8	180 days	8 days	Thu 8/3/18	Mon 3/9/18	Sat 13/1/18	NA	234SS	90%	141 days
239	221325	DRAINAGE WORKS, EARTHWORKS FOR MP5+280 TO 6+020 (Excluding RWD15, 10 & D8)	488 days	3 days	Fri 8/12/17	Tue 9/4/19	Sun 15/10/17	NA	222SS+25 days	40%	-77 days
240	221330	<b>MP 6+420 - MP 6+530</b>	<b>691 days</b>		<b>Sun 11/6/17</b>	<b>Thu 2/5/19</b>	-	-	-	-	<b>-100 days</b>
241	221340	RETAINING WALL - RW D25	480 days	3 days	Sun 11/6/17	Wed 3/10/18	Sun 11/6/17	NA	214,216FS+100 days,208	85%	-149 days
242	221342	RETAINING WALL - RW D26 (+ SKJV NCE)	260 days	2 days	Wed 17/1/18	Wed 3/10/18	Sat 27/1/18	NA	241SS+220 days	100%	45 days
243	221344	ROAD WORKS FOR REALIGNMENT	45 days	2 days	Tue 26/2/19	Thu 11/4/19	NA	NA	242,232,241	0%	-100 days
244	221346	REALIGNMENT SHEK WU WAI ROAD	21 days	2 days	Fri 12/4/19	Thu 2/5/19	NA	NA	243	0%	-100 days
245	221350	<b>MP 6+020 - MP 6+530</b>	<b>151 days</b>		<b>Wed 1/11/17</b>	<b>Sat 31/3/18</b>	-	-	-	-	<b>0 days</b>
246	221355	START DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17		100%	0 days
247	221360	BOX CULVERT D7	151 days	3 days	Wed 1/11/17	Sat 31/3/18	Wed 1/11/17	Sat 31/3/18	246	100%	0 days
248	221365	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	247	100%	0 days
249	221400	<b>MP 6+020 - MP 6+160</b>	<b>490 days</b>		<b>Sun 11/6/17</b>	<b>Sat 13/10/18</b>	-	-	-	-	<b>-149 days</b>
250	221410	RETAINING WALL - RW D18 (98M) (+ SKJV NCE)	280 days	10 days	Sun 7/1/18	Sat 13/10/18	Sun 7/1/18	NA	251	70%	-149 days
251	221420	RETAINING WALL - RW D17 (65M) (+ SKJV NCE)	210 days	10 days	Sun 11/6/17	Sat 6/1/18	Sun 11/6/17	Sat 6/1/18	241SS,208	100%	-149 days
252	221430	<b>MP 6+160 - MP 6+230</b>	<b>341 days</b>		<b>Wed 31/5/17</b>	<b>Sun 6/5/18</b>	-	-	-	-	<b>-84 days</b>
253	221440	RETAINING WALL - RW D19A, B (53M) (+ SKJV NCE)	120 days	7 days	Sun 7/1/18	Sun 6/5/18	Sun 7/1/18	NA	254,251	90%	-84 days
254	221450	RETAINING WALL - RW D20 (U) (22M) (+ SKJV NCE)	148 days	5 days	Wed 31/5/17	Wed 25/10/17	Wed 31/5/17	Wed 25/10/17	260SS+10 days	90%	-11 days
255	221460	<b>MP 6+230 - MP 6+330</b>	<b>293 days</b>		<b>Fri 6/1/17</b>	<b>Wed 25/10/17</b>	-	-	-	-	<b>204 days</b>
256	221470	RECTANGULAR CHANNEL	105 days	5 days	Fri 6/1/17	Thu 20/4/17	Fri 6/1/17	Thu 20/4/17	208SS	100%	0 days
257	221480	BOX CULVERT D5 + 4 DAY DELAY (INCLEMENT WEATHER) IN MAR & APR 17 + DELAY OF WORKS DUE TO REVISED DETAILS & ALIGNMENT OF STREAM DECKING (SKJV NCE No.20 & 33)	75 days	4 days	Sun 5/2/17	Thu 20/4/17	Sun 5/2/17	Thu 20/4/17	256SS+30 days	100%	0 days
258	221490	RETAINING WALL - RW D21(U) (26M) + 48 days DELAY (INCLEMENT WEATHER FROM MAY TO JUL 2017) + SKJV NCE No.72 & 101	188 days	4 days	Fri 21/4/17	Wed 25/10/17	Fri 21/4/17	Wed 25/10/17	259,257,256	100%	-11 days
259	221500	BOX CULVERT D6 + 8 DAY DELAY (INCLEMENT WEATHER) IN MAR & APR 17 + DELAY OF WORKS DUE TO REVISED DETAILS & ALIGNMENT OF STREAM DECKING (SKJV NCE No. 20 & 32)	53 days	4 days	Mon 27/2/17	Thu 20/4/17	Mon 27/2/17	Thu 20/4/17	257SS+22 days	100%	0 days
260	221510	RETAINING WALL - RW D22 (U) (26M) + 46 days DELAY (INCLEMENT WEATHER FROM MAY TO AUG 2017) + SKJV NCE No.72 & 101	158 days	4 days	Sun 21/5/17	Wed 25/10/17	Sun 21/5/17	Wed 25/10/17	258SS+30 days	100%	-11 days
261	221520	RETAINING WALL - RW D23 (U) (21M) + 32 days DELAY (INCLEMENT WEATHER FROM MAY TO AUG 2017) + SKJV NCE No. 72 & 101	136 days	4 days	Sat 10/6/17	Mon 23/10/17	Sat 10/6/17	Mon 23/10/17	260SS+20 days	100%	206 days
262	221530	<b>MP 6+372 - MP 6+410</b>	<b>570 days</b>		<b>Mon 7/5/18</b>	<b>Wed 27/11/19</b>	-	-	-	-	<b>-149 days</b>
263	221540	RETAINING WALL - RW D24 (44M)	95 days	5 days	Mon 7/5/18	Thu 9/8/18	NA	NA	253	0%	-84 days
264	221545	DRAINAGE WORKS, EARTHWORKS AND ROAD WORKS FROM MP6+020 TO 6+530	250 days	10 days	Sun 14/10/18	Thu 20/6/19	NA	NA	250,251,253,254,258,260,261,263	0%	-149 days
265	221550	ROAD WORKS	160 days	5 days	Fri 21/6/19	Wed 27/11/19	NA	NA	264,238,239,244	0%	-149 days
266	221555	PORTION E - ANTICIPATED COMPLETION DATE	0 days	0 day	Wed 27/11/19	Wed 27/11/19	NA	NA	265	0%	-149 days
267	221560	W2 (PORTION E) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	265	0%	0 days
268	222000	<b>PORTION F (MP 6+530 - MP 6+850, CH ST 0+150 - CH ST 1+150)</b>	<b>1301 days</b>		<b>Thu 30/6/16</b>	<b>Tue 21/1/20</b>	-	-	-	-	<b>606 days</b>
269	222010	POSSESSION OF SITE	0 days	0 day	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	Sun 27/11/16	203FS+151 days	100%	0 days
270	222020	INITIAL SURVEY	215 days	4 days	Mon 28/11/16	Fri 30/6/17	Mon 28/11/16	Fri 30/6/17	269SS	100%	0 days
271	222030	TREE SURVEY	40 days	4 days	Mon 28/11/16	Fri 6/1/17	Mon 28/11/16	Fri 6/1/17	269SS	100%	0 days



REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack
272	222040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE (+ DELAY DUE TO INCLEMENT WEATHER)	150 days	5 days	Sat 1/7/17	Mon 27/11/17	Sat 1/7/17	Mon 27/11/17	271,270	100%	-148 days
273	222050	UTILITIES DIVERSION WORKS (CLP, TOWN GAS)	90 days	0 day	Tue 28/11/17	Sun 25/2/18	NA	NA	272	-	1301 days
274	222120	INSTRUCTION FOR SITE INVESTIGATION FOR CONTAMINATED SITE	565 days	0 day	Thu 30/6/16	Mon 15/1/18	Thu 30/6/16	Mon 6/3/17	255	100%	0 days
275	222130	ARRANGEMENT OF SITE INVESTIGATION WORKS	7 days	0 day	Tue 16/1/18	Mon 22/1/18			274		0 days
276	222140	SITE INVESTIGATION WORKS AND TESTING	60 days	0 day	Tue 23/1/18	Fri 23/3/18			275		0 days
277	222145	AWAITING FOR INSTRUCTION FOR REMEDIAL WORKS FOR CONTAMINATED SOIL UP TO THIS PROG DATE	159 days	2 days	Sat 24/3/18	Wed 29/8/18	Tue 16/5/17	Mon 29/5/17	276	0%	-204 days
278	222146	ASSUMED ISSUED DATE OF PM INSTRUCTION TO CARRY OUT DE-CONTAMINATION WORKS IN PORTION F (DATE AND DURATION WERE ASSUMED IN THIS PROG)	1 day	0 day	Thu 30/8/18	Thu 30/8/18	Fri 19/1/18	Fri 19/1/18	277	100%	-204 days
279	222150	PREPARATION WORKS FOR DE-CONTAMINATION (DATE AND DURATION WERE ASSUMED IN THIS PROG)	188 days	3 days	Sat 24/3/18	Thu 27/9/18	Sat 20/1/18	Wed 28/2/18	276	100%	-204 days
280	222155	IMPLEMENTATION OF DE-CONTAMINATION WORKS & ASSOCIATED EARTHWORK & DRAINAGE WORKS (DATE AND DURATION WERE ASSUMED IN THIS PROG)	180 days	5 days	Fri 28/9/18	Tue 26/3/19	Thu 1/3/18	NA	279,278FS+28 days	10%	-204 days
281	222160	GROUND INVESTIGATION WORKS (1 NO. BOREHOLE & TRIAL PITS)	14 days	2 days	Thu 23/3/17	Wed 5/4/17	Thu 23/3/17	Wed 5/4/17	270SS+115 days	100%	0 days
282	222165	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Thu 6/4/17	Wed 26/4/17	Thu 6/4/17	Wed 26/4/17	281	100%	156 days
283	222170	INSTALLATION OF MONITORING MARKERS	21 days	2 days	Thu 27/4/17	Wed 17/5/17	Thu 27/4/17	Wed 17/5/17	282	100%	156 days
284	222180	RW 42 (60M)	75 days	7 days	Sun 6/1/19	Thu 21/3/19	NA	NA	366SS+40 days		-49 days
285	222190	RW 43 (+ SKJV NCE)	225 days	5 days	Sun 18/3/18	Sun 28/10/18	Sun 18/3/18	NA	283,272,290SS+110 days	10%	-148 days
286	222200	RW 44 (36M U)	85 days	5 days	Mon 29/10/18	Mon 21/1/19	NA	NA	285	0%	-140 days
287	222210	RAMP PR3 CONSTRUCTION	55 days	3 days	Tue 22/1/19	Sun 17/3/19	NA	NA	286	0%	-45 days
288	222211	Additional Retaining Wall RWD26A, RWD26B, RWD26C at Chainage CH-ST-6+500 to CH-6+650	218 days	3 days	Tue 26/6/18	Tue 29/1/19	Tue 26/6/18	NA	285SS+100 days		-148 days
289	222215	EARTHWORKS AND DRAINAGE WORKS FOR RW42, RW43, RW44, RWD26A, RWD26B & RWD26C	150 days	10 days	Wed 27/3/19	Fri 23/8/19	NA	NA	290,280,288,285,286	0%	-204 days
290	222220	EARTHWORKS AND DRAINAGE WORKS (Excluding RW42, 43 & 44)	420 days	10 days	Tue 28/11/17	Mon 21/1/19	NA	NA	272	60%	-148 days
291	222230	ROAD WORKS (1.3 KM)	151 days	10 days	Sat 24/8/19	Tue 21/1/20	NA	NA	284,289,287	0%	-204 days
292	222240	RESTING STATION R8	130 days	10 days	Sat 24/8/19	Tue 31/12/19	NA	NA	291SS	0%	-183 days
293	222250	PORTION F - ANTICIPATED COMPLETION DATE	0 days	0 day	Tue 21/1/20	Tue 21/1/20	NA	NA	291,292	0%	-204 days
294	222260	W2 (PORTION F) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	291,292	0%	0 days
295	223000	PORTION G - (BRIDGE C) CH ST 1+210 - CH ST 1+310)	1240 days		Thu 30/6/16	Thu 21/11/19	-	-			-143 days
296	223010	POSSESSION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	203	100%	0 days
297	223020	INITIAL SURVEY	60 days	5 days	Thu 30/6/16	Sun 28/8/16	Thu 30/6/16	Sun 28/8/16	296SS	100%	0 days
298	223030	TREE SURVEY	130 days	10 days	Mon 29/8/16	Thu 5/1/17	Mon 29/8/16	Thu 5/1/17	297	100%	0 days
299	223040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	120 days	10 days	Fri 6/1/17	Fri 5/5/17	Fri 6/1/17	Fri 5/5/17	298,297	100%	0 days
300	223080	PREPARATION OF TDM FOR GI WORKS	202 days	10 days	Thu 30/6/16	Tue 17/1/17	Thu 30/6/16	Tue 17/1/17	296SS	100%	0 days
301	223090	APPROVAL OF TDM BY SUPERVISOR/DSD	14 days	2 days	Wed 18/1/17	Tue 31/1/17	Wed 18/1/17	Tue 31/1/17	300	100%	0 days
302	223110	STARTING DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17		100%	0 days
303	223111	BRIDGE C WORKS	151 days	5 days	Wed 1/11/17	Sat 31/3/18	Wed 1/11/17	Sat 31/3/18	302,299	100%	187 days
304	223160	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18		100%	0 days
305	223200	EARTHWORKS AND DRAINAGE WORKS	180 days	2 days	Sun 1/4/18	Thu 27/9/18	Sun 1/4/18	NA	303	80%	187 days
306	223210	ROAD WORKS	90 days	10 days	Sat 24/8/19	Thu 21/1/19	NA	NA	305,291SS	0%	-143 days
307	223230	PORTION G - ANTICIPATED COMPLETION DATE	0 days	0 day	Thu 21/11/19	Thu 21/11/19	NA	NA	306	0%	-143 days
308	223240	W2 (PORTION G) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	306	0%	0 days
309	224000	PORTION H (CH ST 1+310 - 1+525, 1+700 - 2+270)	1238 days		Thu 30/6/16	Tue 19/11/19	-	-			669 days
310	224010	POSSESSION OF SITE	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	203FS+60 days	100%	0 days
311	224020	INITIAL SURVEY	300 days	4 days	Mon 29/8/16	Sat 24/6/17	Mon 29/8/16	Sat 24/6/17	310SS	100%	0 days
312	224030	TREE SURVEY	65 days	4 days	Wed 2/11/16	Thu 5/1/17	Wed 2/11/16	Thu 5/1/17	311	100%	0 days
313	224040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	420 days	7 days	Fri 4/8/17	Thu 27/9/18	Fri 4/8/17	NA	311FS+40 days	70%	1087 days
314	224050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	420 days	10 days	Thu 30/6/16	Wed 23/8/17	Thu 30/6/16	Wed 23/8/17	203SS	100%	0 days
315	224060	APPLIED TTA APPROVAL FOR REALIGNMENT FOR RW49	285 days	14 days	Thu 24/8/17	Mon 4/6/18	Thu 24/8/17	Tue 19/6/18	314	100%	-141 days
316	224070	UTILITIES DIVERSION WORKS (HKB, TGT & CLP)	90 days	0 day	Thu 24/8/17	Tue 21/11/17	-	-			1397 days
317	224080	HKB	90 days	5 days	Thu 24/8/17	Tue 21/11/17	Thu 24/8/17	NA	314	0%	1397 days
318	224090	TGT	90 days	5 days	Thu 24/8/17	Tue 21/11/17	Thu 24/8/17	NA	317SS	0%	1397 days
319	224100	CLP	90 days	5 days	Thu 24/8/17	Tue 21/11/17	Thu 24/8/17	NA	317SS	0%	1397 days
320	224110	GROUND INVESTIGATION WORKS (6 NOS. BOREHOLE & TRIAL PITS)	190 days	4 days	Fri 2/12/16	Fri 9/6/17	Fri 2/12/16	Fri 9/6/17	311SS+95 days	100%	0 days
321	224120	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	60 days	2 days	Tue 29/8/17	Fri 27/10/17	Tue 29/8/17	NA	320FS+80 days	50%	-131 days
322	224130	INSTALLATION OF MONITORING MARKERS	30 days	2 days	Sat 28/10/17	Sun 28/11/17	Sat 28/10/17	NA	321	50%	-131 days
323	224140	RW 45A (73M) + DELAY DUE TO INCLEMENT WEATHER + CE-039 ROCKFILL ARRANGMENT BENEATH RW45A	190 days	10 days	Mon 27/11/17	Mon 4/6/18	Mon 27/11/17	NA	322	30%	-131 days
324	224150	RW 45B (58M) - CSD	90 days	10 days	Thu 22/11/18	Tue 19/2/19	NA	NA	325,323	0%	74 days



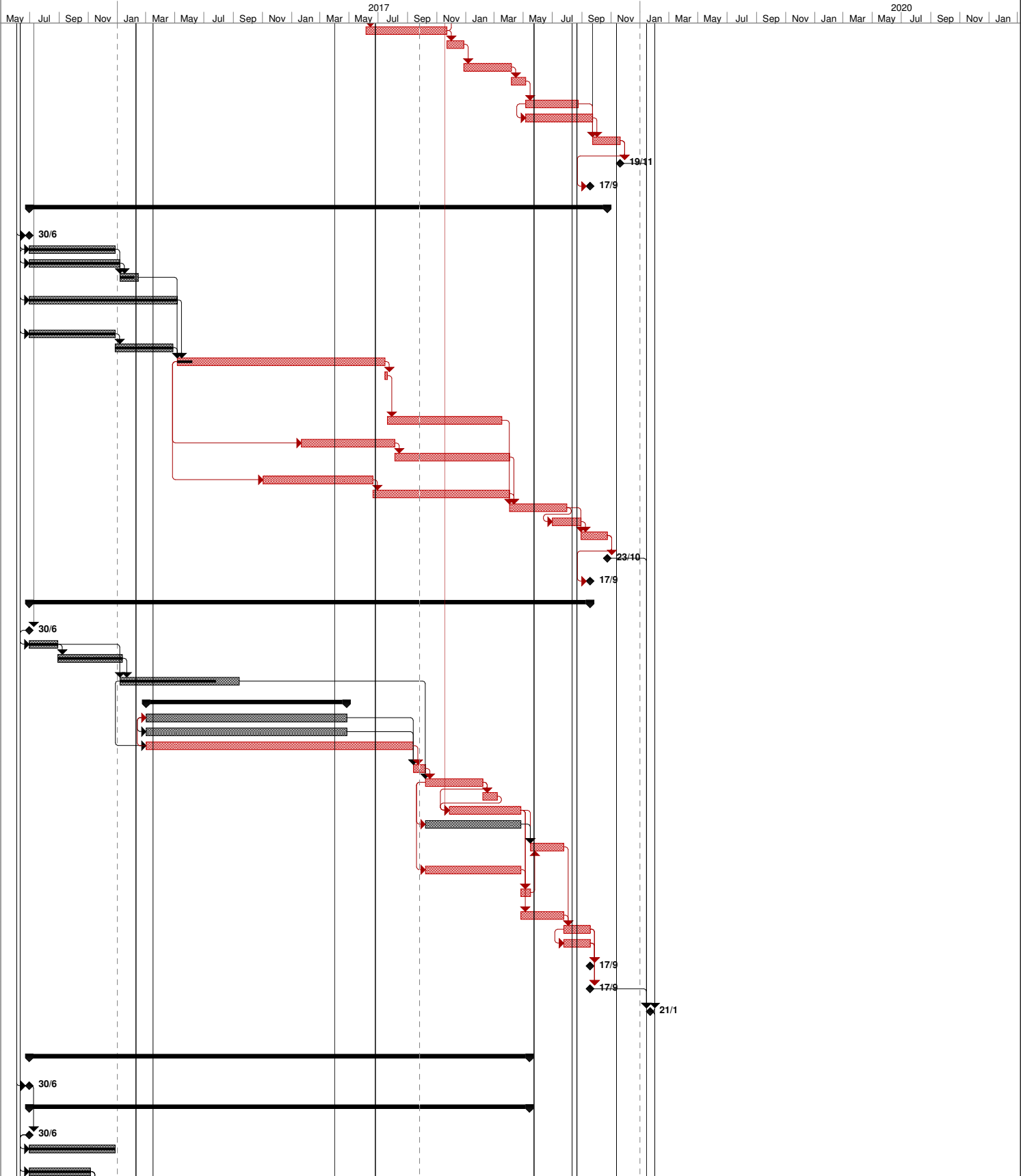
Task: [Pattern] Summary, [Pattern] External Milestone, [Pattern] Inactive Summary, [Pattern] Manual Summary Rollup, [Pattern] Finish-only, [Pattern] Progress, [Pattern] Deadline

Split: [Pattern] Project Summary, [Pattern] Inactive Task, [Pattern] Manual Task, [Pattern] Manual Summary, [Pattern] Critical, [Pattern] Critical Split

Milestone: [Pattern] External Milestone, [Pattern] Inactive Milestone, [Pattern] Duration-only, [Pattern] Start-only, [Pattern] Critical Split

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

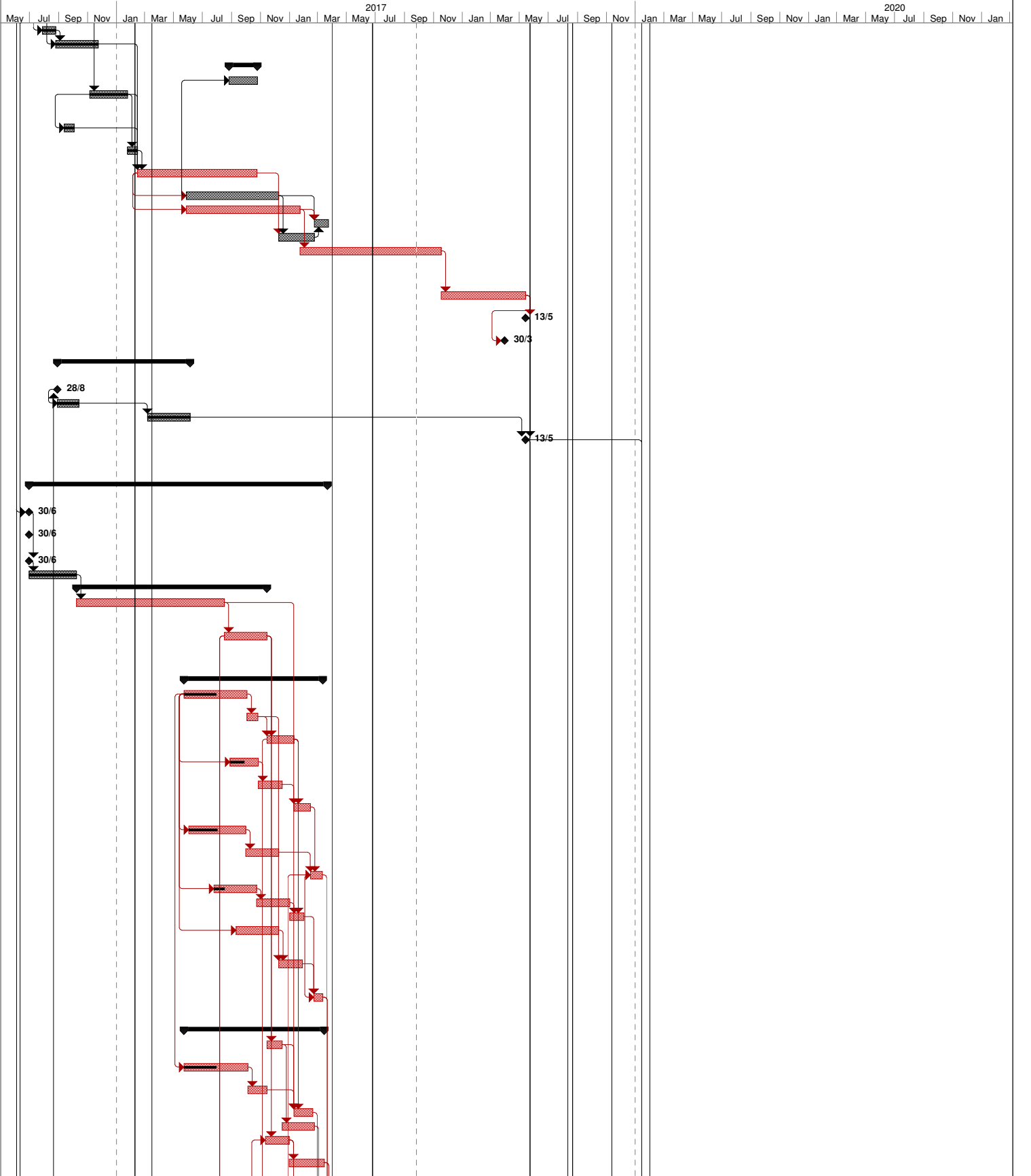
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack
325	224160	RW 49 (130M)	170 days	5 days	Tue 5/6/18	Wed 21/11/18	NA	NA	315,323FS-10 days	0%	-141 days
326	224165	ROAD WORKS FOR RE-ALIGNMENT CARRIAGEWAY FOR RW49	35 days	0 day	Thu 22/11/18	Wed 26/12/18	NA	NA	325	0%	-141 days
327	224170	DW1 & DW1A (130M)	100 days	10 days	Thu 27/12/18	Fri 5/4/19	NA	NA	326	0%	-141 days
328	224175	ROAD WORKS FOR REALIGNMENT CARRIAGEWAY FOR DW1	30 days	0 day	Sat 6/4/19	Sun 5/5/19	NA	NA	327	0%	-141 days
329	224180	DW2 (92M)	110 days	10 days	Mon 6/5/19	Fri 23/8/19	NA	NA	328	0%	-141 days
330	224190	EARTHWORKS AND DRAINAGE WORKS FOR DW2	140 days	14 days	Mon 6/5/19	Sun 22/9/19	NA	NA	329SS	0%	-141 days
331	224220	ROAD WORKS	58 days	5 days	Mon 23/9/19	Tue 19/11/19	NA	NA	330,329,324	0%	-141 days
332	224230	PORTION H - ANTICIPATED COMPLETION DATE	0 days	0 day	Tue 19/11/19	Tue 19/11/19	NA	NA	331	0%	-141 days
333	224240	W2 (PORTION H) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	331	0%	0 days
334	225000	<b>PORTION I (SUBWAY D)</b>	<b>1211 days</b>		<b>Thu 30/6/16</b>	<b>Wed 23/10/19</b>	-	-		-	<b>-114 days</b>
335	225010	POSSESSION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days
336	225020	INITIAL SURVEY	180 days	14 days	Thu 30/6/16	Mon 26/12/16	Thu 30/6/16	Mon 26/12/16	335SS	100%	0 days
337	225030	TREE SURVEY	190 days	14 days	Thu 30/6/16	Thu 5/1/17	Thu 30/6/16	Thu 5/1/17	336SS	100%	0 days
338	225040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	38 days	2 days	Fri 6/1/17	Sun 12/2/17	Fri 6/1/17	Sun 12/2/17	337,336	100%	113 days
339	225050	APPLICATION AND APPROVAL OF EXCAVATION PERMIT AND ROAD WORK ADVICE	310 days	14 days	Thu 30/6/16	Fri 5/5/17	Thu 30/6/16	Fri 5/5/17	203SS	100%	0 days
340	225060	TTM PREPARATION	180 days	4 days	Thu 30/6/16	Mon 26/12/16	Thu 30/6/16	Mon 26/12/16	2SS	100%	0 days
341	225070	TTM APPROVAL BY RSS/TMLG	121 days	4 days	Tue 27/12/16	Wed 26/4/17	Tue 27/12/16	Wed 26/4/17	340	100%	0 days
342	225080	SUBWAY D CONSTRUCTION, BAY 9 - 11	435 days	10 days	Sat 6/5/17	Sat 14/7/18	NA	NA	341,338,339	80%	-98 days
343	225085	TTA FOR SUBWAY D CONSTRUCTION, BAY 7 TO 8 + SKJV NCE No.41 OBSTRUCTION OF REVISED RETAINED TREES IN PORTION I	5 days	0 day	Sun 15/7/18	Thu 19/7/18	NA	NA	342	0%	-98 days
344	225086	SUBWAY D CONSTRUCTION, BAY 7 TO 8 & PUMP HOUSE	240 days	10 days	Fri 20/7/18	Sat 16/3/19	NA	NA	343	0%	-98 days
345	225090	SUBWAY D CONSTRUCTION, BAY 15 TO 17	196 days	5 days	Sun 21/1/18	Sat 4/8/18	Sun 21/1/18	NA	342SS+260 days	40%	-114 days
346	225091	SUBWAY D CONSTRUCTION, BAY 12 TO 14	240 days	10 days	Sun 5/8/18	Mon 1/4/19	NA	NA	345	0%	-114 days
347	225092	SUBWAY D CONSTRUCTION, BAY 4 TO 6	230 days	10 days	Thu 2/11/17	Tue 19/6/18	NA	NA	342SS+180 days	60%	-114 days
348	225093	SUBWAY D CONSTRUCTION, BAY 1 TO 3	286 days	10 days	Wed 20/6/18	Mon 1/4/19	NA	NA	347	0%	-114 days
349	225110	FINISHING WORKS AND E&M WORKS	120 days	6 days	Tue 2/4/19	Tue 30/7/19	NA	NA	348,346,344	0%	-114 days
350	225120	EARTHWORKS AND DRAINAGE WORKS	60 days	3 days	Mon 1/7/19	Thu 29/8/19	NA	NA	349FS-30 days	0%	-114 days
351	225130	ROAD WORKS	55 days	3 days	Fri 30/8/19	Wed 23/10/19	NA	NA	350,349	0%	-114 days
352	225140	PORTION I - ANTICIPATED COMPLETION DATE	0 days	0 day	Wed 23/10/19	Wed 23/10/19	NA	NA	351	0%	-114 days
353	225150	W2 (PORTION I) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	351	0%	0 days
354	226000	<b>PORTION N (BRIDGE B)</b>	<b>1175 days</b>		<b>Thu 30/6/16</b>	<b>Tue 17/9/19</b>	-	-		-	<b>732 days</b>
355	226010	POSSESSION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	203	100%	0 days
356	226020	INITIAL SURVEY	60 days	5 days	Thu 30/6/16	Sun 28/8/16	Thu 30/6/16	Sun 28/8/16	355SS	100%	0 days
357	226030	TREE SURVEY + 5 DAY DELAY (INCLEMENT WEATHER) IN AUG 2016	135 days	10 days	Mon 29/8/16	Tue 10/1/17	Mon 29/8/16	Tue 10/1/17	356	100%	0 days
358	226040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	250 days	5 days	Fri 6/1/17	Tue 12/9/17	Fri 6/1/17	Tue 12/9/17	357,356	100%	341 days
359	226050	<b>UTILITIES DIVERSION WORKS (CLP &amp; TOWN GAS)</b>	<b>420 days</b>	<b>10 days</b>	<b>Thu 2/3/17</b>	<b>Wed 25/4/18</b>	-	-		-	<b>91 days</b>
360	226080	CLP	420 days	0 day	Thu 2/3/17	Wed 25/4/18	Wed 13/9/17	NA	362SS	0%	91 days
361	226090	TOWN GAS	420 days	0 day	Thu 2/3/17	Wed 25/4/18	Wed 13/9/17	NA	360SS	0%	91 days
362	226091	INSPECTION PITS TO IDENTIFY CLP CABLES & GAS MAINS	560 days	0 day	Thu 2/3/17	Wed 12/9/18	Thu 2/3/17	NA	358SS+55 days	50%	-49 days
363	226100	PRE-DRILLING WORKS FOR PILES	25 days	1 days	Thu 13/9/18	Sun 7/10/18	NA	NA	360,361,362	0%	-49 days
364	226110	PILE WORKS	120 days	4 days	Mon 8/10/18	Mon 4/2/19	NA	NA	363,358	0%	-49 days
365	226120	PILE LOAD TEST	30 days	1 days	Tue 5/2/19	Wed 6/3/19	NA	NA	364	0%	-49 days
366	226130	ABUTMENT CONSTRUCTION	150 days	5 days	Tue 27/11/18	Thu 25/4/19	NA	NA	364FS-100 days,365FS-100 days	0%	-49 days
367	226140	OFFSITE FABRICATION OF STEEL BRIDGE MEMBERS	200 days	10 days	Mon 8/10/18	Thu 25/4/19	NA	NA	364SS	0%	20 days
368	226150	STEEL TRUSS AND DECK CONSTRUCTION ON SITE	70 days	2 days	Thu 16/5/19	Wed 24/7/19	NA	NA	367,366,370	0%	0 days
369	226160	PROCURE AND DELIVERY OF BEARINGS AND MOVEMENT JOINTS	200 days	10 days	Mon 8/10/18	Thu 25/4/19	NA	NA	364SS	0%	0 days
370	226170	INSTALLATION OF BEARINGS AND MOVEMENT JOINTS	20 days	2 days	Fri 26/4/19	Wed 15/5/19	NA	NA	369,366	0%	0 days
371	226180	EARTHWORKS AND DRAINAGE WORKS	90 days	2 days	Fri 26/4/19	Wed 24/7/19	NA	NA	366	0%	0 days
372	226190	ROAD WORKS	55 days	2 days	Thu 25/7/19	Tue 17/9/19	NA	NA	371,368	0%	0 days
373	226200	BRIDGE ASSOCIATED WORKS AND WATERMAIN WORKS	55 days	2 days	Thu 25/7/19	Tue 17/9/19	NA	NA	372SS	0%	0 days
374	226210	PORTION N - ANTICIPATED COMPLETION DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	372,373	0%	732 days
375	226220	W2 (PORTION N) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Tue 17/9/19	Tue 17/9/19	NA	NA	372,373	0%	0 days
376	220030	<b>SECTION W2 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER &amp; OTHERS ISSUE</b>	<b>0 days</b>	<b>0 day</b>	<b>Tue 21/1/20</b>	<b>Tue 21/1/20</b>	<b>NA</b>	<b>NA</b>	<b>293,307,332,352,375,266</b>		<b>-204 days</b>
377		<b>SECTION W3 (PORTION K &amp; J1)</b>	<b>1048 days</b>		<b>Thu 30/6/16</b>	<b>Mon 13/5/19</b>	-	-		-	<b>859 days</b>
378	230010	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days
379	231000	<b>PORTION K (CH KW 1+360 - CH KW 2+070)</b>	<b>1048 days</b>		<b>Thu 30/6/16</b>	<b>Mon 13/5/19</b>	-	-		-	<b>859 days</b>
380	231010	POSSESSION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	378	100%	0 days
381	231020	APPLICATION AND OBTAIN APPROVAL FROM MTRC FOR WORKS AT RPA	180 days	0 day	Thu 30/6/16	Mon 26/12/16	Thu 30/6/16	Mon 26/12/16	380SS	100%	0 days
382	231030	INITIAL SURVEY (+ 8 DAY DELAY IN AUG & SEP 16)	128 days	2 days	Thu 30/6/16	Fri 4/11/16	Thu 30/6/16	Fri 4/11/16	380SS	100%	0 days



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

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

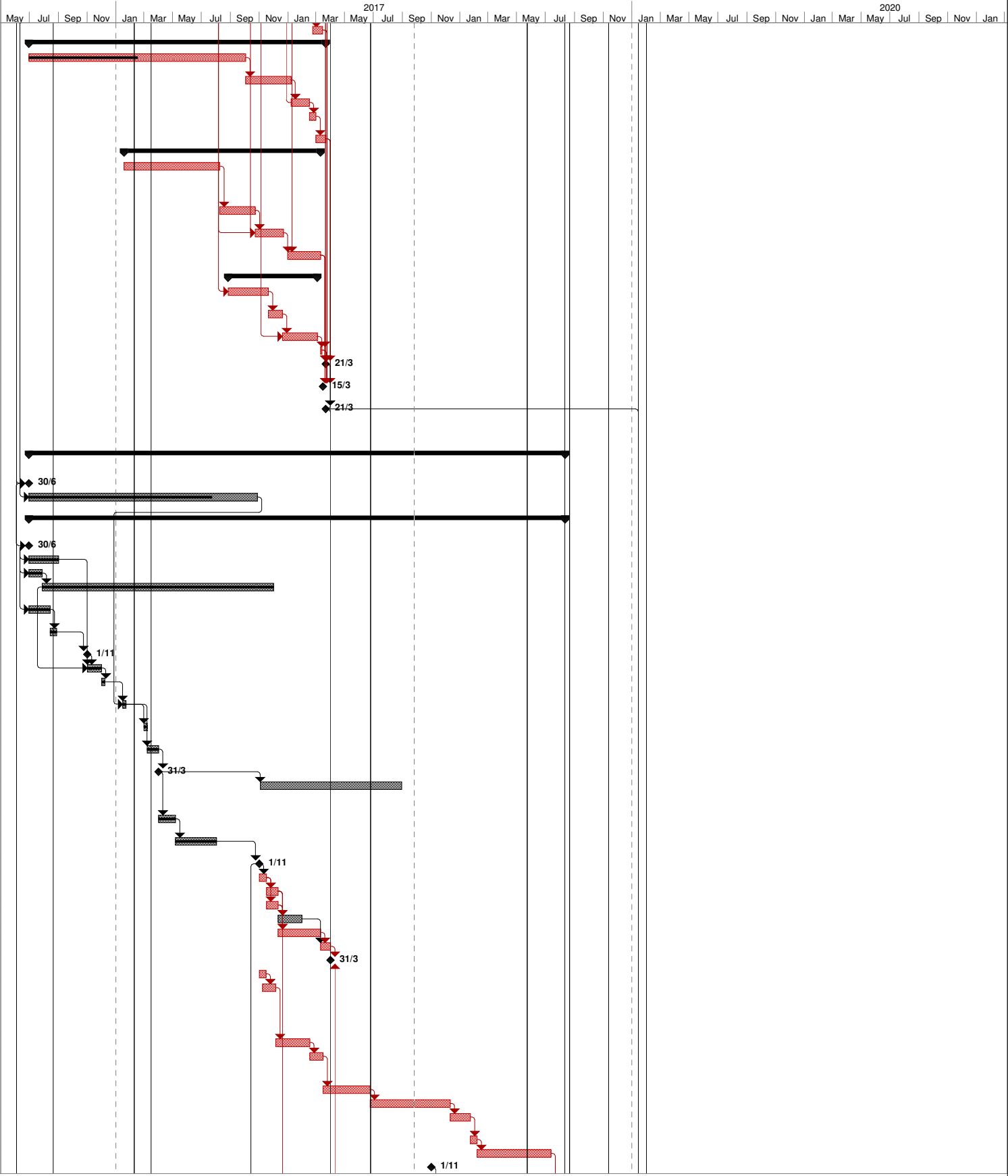
ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack
383	231040	TREE SURVEY	28 days	2 days	Thu 28/7/16	Wed 24/8/16	Thu 28/7/16	Wed 24/8/16	382	100%	0 days
384	231050	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	90 days	7 days	Thu 25/8/16	Tue 22/11/16	Thu 25/8/16	Tue 22/11/16	383,382	100%	0 days
385	231060	UTILITIES DIVERSION WORKS (CLP)	60 days	0 day	Sat 26/8/17	Tue 24/10/17	-	-	-	-	1425 days
386	231070	CLP	60 days	5 days	Sat 26/8/17	Tue 24/10/17	Sat 26/8/17	Tue 24/10/17	391SS+90 days	100%	1425 days
387	231100	GROUND INVESTIGATION WORKS (4 NOS. BOREHOLES & TRIAL PITS + 12 DAYS DELAY IN AUG, SEP & OCT 16)	80 days	5 days	Sat 5/11/16	Mon 23/1/17	Sat 5/11/16	Mon 23/1/17	382	100%	0 days
388	231110	SUBMISSION AND APPROVAL OF MONITORING PROPOSAL	21 days	2 days	Mon 12/9/16	Sun 2/10/16	Mon 12/9/16	Sun 2/10/16	387SS	100%	0 days
389	231120	INSTALLATION OF MONITORING MARKERS	21 days	2 days	Tue 24/1/17	Mon 13/2/17	Tue 24/1/17	Mon 13/2/17	387	100%	0 days
390	231130	RW 29C (66m) (+SKJV NCE No.89 - Additional Bay 0 to RW29C)	252 days	7 days	Tue 14/2/17	Mon 23/10/17	Tue 14/2/17	Mon 23/10/17	384,387,389,388	100%	-134 days
391	231140	RW 29B (50m)	195 days	7 days	Sun 28/5/17	Fri 8/12/17	Sun 28/5/17	Fri 8/12/17	390SS+103 days	100%	1275 days
392	231150	RW 29A (90m)	240 days	7 days	Sun 28/5/17	Mon 22/1/18	Sun 28/5/17	Mon 22/1/18	390SS+103 days	100%	-134 days
393	231160	RW 27 (90m) - CSD	30 days	7 days	Thu 22/2/18	Fri 23/3/18	Mon 26/2/18	Tue 27/3/18	394,391,392	100%	1275 days
394	231170	STREAM DECKING D9	75 days	7 days	Sat 9/12/17	Wed 21/2/18	Sat 9/12/17	Wed 21/2/18	391,390	100%	1275 days
395	231180	EARTHWORKS AND DRAINAGE WORKS (+ SKJV NCE No.90 - Additional 170m Dward Walls, Revised Alignment CTFP and Maint. Access between CH KW1+580 to 1+910)	298 days	21 days	Tue 23/1/18	Fri 16/11/18	Tue 6/2/18	NA	392	80%	-134 days
396	231190	ROAD WORKS	178 days	21 days	Sat 17/11/18	Mon 13/5/19	NA	NA	395	0%	-134 days
397	231191	PORTION K - ANTICIPATED COMPLETION DATE	0 days	0 day	Mon 13/5/19	Mon 13/5/19	NA	NA	396	0%	-134 days
398	231195	W3 (PORTION K) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Sat 30/3/19	Sat 30/3/19	NA	NA	396	0%	0 days
399	232000	PORTION J1	280 days		Sun 28/8/16	Sun 4/6/17	-	-	-	-	0 days
400	232010	POSSESSION OF SITE (J1)	0 days	0 day	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	Sun 28/8/16	520FS+60 days	0%	0 days
401	232020	INITIAL SURVEY	45 days	4 days	Mon 29/8/16	Wed 12/10/16	Mon 29/8/16	Wed 12/10/16	400SS	100%	0 days
402	232030	SITE INVESTIGATION	90 days	10 days	Tue 7/3/17	Sun 4/6/17	Tue 7/3/17	Sun 4/6/17	401	100%	0 days
403	230040	SECTION W3 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER TILL JULY 2017 & OTHERS ISSUE	0 days	0 day	Mon 13/5/19	Mon 13/5/19	NA	NA	397,402	-	-134 days
404	230050	SECTION W4 PUBLIC TOILET	630 days		Thu 30/6/16	Wed 21/3/18	-	-	-	-	-80 days
405	230060	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days
406	230070	PORTION L	0 days		Thu 30/6/16	Thu 30/6/16	-	-	-	-	0 days
407	230080	POSSESSION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	405	100%	0 days
408	230090	DOCUMENT SUBMISSION	100 days	7 days	Thu 30/6/16	Fri 7/10/16	Thu 30/6/16	Fri 7/10/16	407	100%	0 days
409	230100	R.C. WORKS AND U/G DRAINAGE	402 days		Sat 8/10/16	Mon 13/11/17	-	-	-	-	-73 days
410	241040	R.C. STRUCTURE UP TO ROOF + 80 DAYS INCLEMENT WEATHER DELAY (TILL AUG 2017)	312 days	10 days	Sat 8/10/16	Tue 15/8/17	Sat 8/10/16	15/8/17	408	100%	-73 days
411	241050	INTERNAL WALL, GROUND SLAB, CABLE TROUGH AND DRAINAGE WORKS + 1 days Delay due to Inclement Weather in Aug 2017	90 days	4 days	Wed 16/8/17	Mon 13/11/17	16/8/17	NA	410	100%	-73 days
412	241060	INTERNAL FINISHING	293 days		Tue 23/5/17	Sun 11/3/18	-	-	-	-	-70 days
413	241070	SUBMISSION AND APPROVAL OF INTERNAL FINISHES (PAINTING, TILES)	133 days	0 day	Tue 23/5/17	Mon 2/10/17	Tue 23/5/17	NA		100%	-53 days
414	241080	ORDER & DELIVERY OF INTERNAL FINISHES (PAINTING, TILES)	23 days	2 days	Tue 3/10/17	Wed 25/10/17	NA	NA	413	100%	-53 days
415	241090	INSTALLATION OF INTERNAL FINISHES (PAINTING, TILES)	57 days	3 days	Tue 14/11/17	Tue 9/1/18	NA	NA	414,411	100%	-72 days
416	241100	SUBMISSION AND APPROVAL OF CUBICLE PARTITION SYSTEM	60 days	0 day	Mon 28/8/17	Thu 26/10/17	Mon 28/8/17	NA	413SS+97 days	100%	-47 days
417	241110	ORDER & DELIVERY OF CUBICLE PARTITION SYSTEM	50 days	2 days	Fri 27/10/17	Fri 15/12/17	NA	NA	416	100%	-47 days
418	241120	INSTALLATION OF CUBICLE PARTITION SYSTEM	35 days	2 days	Wed 10/1/18	Tue 13/2/18	NA	NA	415,417	100%	-72 days
419	241130	SUBMISSION AND APPROVAL OF SANITARY FITTING	120 days	0 day	Fri 2/6/17	Fri 29/9/17	Fri 2/6/17	NA	413SS+10 days	100%	-5 days
420	241140	ORDER & DELIVERY OF SANITARY FITTING	70 days	2 days	Sat 30/9/17	Fri 8/12/17	NA	NA	419	100%	-5 days
421	241150	INSTALLATION OF SANITARY FITTING	25 days	2 days	Wed 14/2/18	Sat 10/3/18	NA	NA	420,418,440SS	100%	-72 days
422	241160	SUBMISSION AND APPROVAL OF DOORS & LOUVER	90 days	0 day	Tue 25/7/17	Sun 22/10/17	Thu 27/7/17	NA	413SS+63 days	100%	-49 days
423	241170	ORDER & DELIVERY OF DOORS & LOUVER	70 days	2 days	Mon 23/10/17	Sun 31/12/17	NA	NA	422	100%	-49 days
424	241180	INSTALLATION OF DOORS & LOUVER	30 days	1 day	Mon 1/1/18	Tue 30/1/18	NA	NA	423,415FS-10 days	100%	-49 days
425	241190	SUBMISSION AND APPROVAL OF OTHER INTERNAL FINISHING (e.g. WASH HAND BASIN, SIGNAGE & SO ON)	90 days	0 day	Sun 10/9/17	Fri 8/12/17	NA	NA	413SS+110 days	100%	-46 days
426	241200	ORDER & DELIVERY OF OTHER INTERNAL FINISHING (e.g. WASH HAND BASIN, SIGNAGE & SO ON)	50 days	2 days	Sat 9/12/17	Sat 27/1/18	NA	NA	425,414	100%	-46 days
427	241210	INSTALLATION OF OTHER INTERNAL FINISHING (e.g. WASH HAND BASIN, SIGNAGE & SO ON)	19 days	2 days	Wed 21/2/18	Sun 11/3/18	NA	NA	426,421SS+7 days,424	100%	-70 days
428	241220	EXTERNAL FINISHING	296 days		Tue 23/5/17	Wed 14/3/18	-	-	-	-	-73 days
429	241230	WATERPROOFING FOR EXTERNAL SURFACE	32 days	3 days	Tue 14/11/17	Fri 15/12/17	NA	NA	411	100%	-73 days
430	241240	SUBMISSION AND APPROVAL OF EXTERNAL FINISHING	135 days	3 days	Tue 23/5/17	Wed 4/10/17	Tue 23/5/17	NA	413SS	100%	-13 days
431	241250	ORDER & DELIVERY OF EXTERNAL FINISHING	40 days	2 days	Thu 5/10/17	Mon 13/11/17	NA	NA	430	100%	-13 days
432	241260	INSTALLATION OF EXTERNAL FINISHING	40 days	3 days	Wed 10/1/18	Sun 18/2/18	NA	NA	429,431,410,415	100%	-70 days
433	241270	STEEL HOLLOW SECTION AT ROOF	68 days	3 days	Sat 16/12/17	Wed 21/2/18	NA	NA	429	100%	-73 days
434	241280	EQUALIZATION & SLUDE HOLDING TANKS, SOAP AWAY PIT	50 days	5 days	Sat 11/11/17	Sat 30/12/17	NA	NA	446SS+7 days,411FS-3 days	100%	-73 days
435	241290	EARTHWORKS, PAVEMENT & LANDSCAPING WORKS	74 days	3 days	Sun 31/12/17	Wed 14/3/18	NA	NA	434	100%	-73 days



Task: [Pattern] Summary; Split: [Pattern] Project Summary; Milestone: [Pattern] External Tasks; External Milestone: [Pattern] External Milestone; Inactive Task: [Pattern] Inactive Task; Inactive Milestone: [Pattern] Inactive Milestone; Inactive Summary: [Pattern] Inactive Summary; Manual Task: [Pattern] Manual Task; Duration-only: [Pattern] Duration-only; Manual Summary Rollup: [Pattern] Manual Summary Rollup; Manual Summary: [Pattern] Manual Summary; Start-only: [Pattern] Start-only; Finish-only: [Pattern] Finish-only; Critical: [Pattern] Critical; Critical Split: [Pattern] Critical Split; Progress: [Pattern] Progress; Deadline: [Pattern] Deadline; [Symbol]

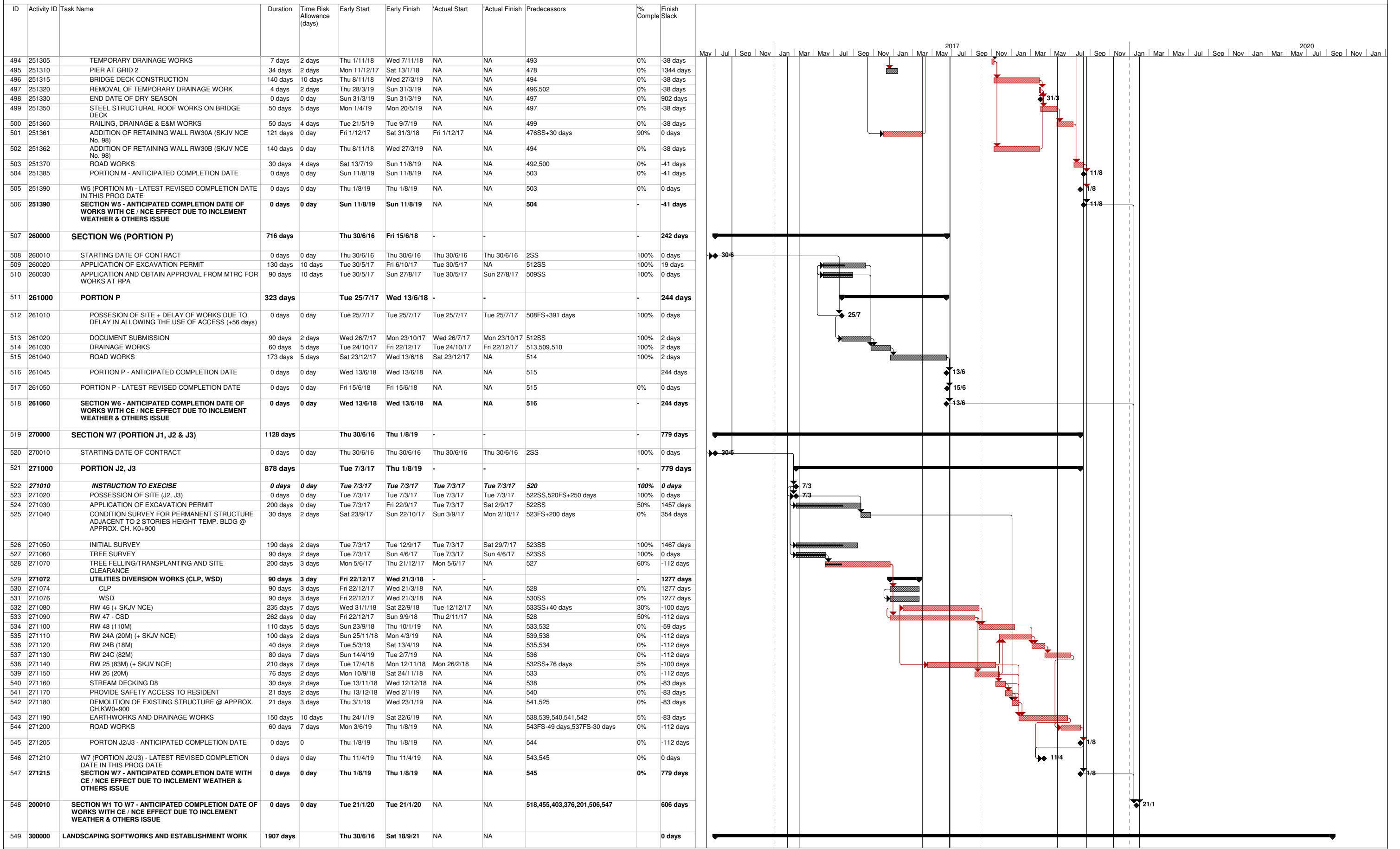
REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack
436	241300	EXTERNAL MISC. WORK	21 days	2 days	Thu 22/2/18	Wed 14/3/18	NA	NA	432,433	100%	-73 days
437	241310	<b>WATERWORKS</b>	<b>630 days</b>		<b>Thu 30/6/16</b>	<b>Wed 21/3/18</b>	-	-		-	<b>-80 days</b>
438	241320	SUBMISSION AND APPROVAL OF WA FORM WWO 542 (BY SUPERVISOR / PM)	460 days	0 day	Thu 30/6/16	Mon 2/10/17	Thu 30/6/16	Tue 6/6/17		100%	-80 days
439	241330	SUBMISSION AND APPROVAL OF WA FORM WWO 046 (BY SKJV)	96 days	0 day	Tue 3/10/17	Sat 6/1/18	NA	NA	438	100%	-80 days
440	241340	INSTALLATION OF PLUMBING WORKS	39 days	2 days	Sun 7/1/18	Wed 14/2/18	NA	NA	439	100%	-80 days
441	241350	WSD INSPECTION ON COMPLETED PLUMBING WORKS	14 days	1 day	Thu 15/2/18	Wed 28/2/18	NA	NA	440	100%	-80 days
442	241360	WSD METER CONNECTION BY WSD	21 days	1 days	Thu 1/3/18	Wed 21/3/18	NA	NA	441	100%	-80 days
443	241370	<b>BIO-TREATMENT PLANT</b>	<b>417 days</b>		<b>Wed 18/1/17</b>	<b>Sat 10/3/18</b>	-	-		-	<b>-69 days</b>
444	241380	SUBMISSION AND APPROVAL OF BIO-TREATMENT PLANT (BTP) + DELAY OF THE WORKS DUE TO BELATED APPROVAL OF BTP (SKJV NCE No.47)	203 days	0 day	Wed 18/1/17	Tue 8/8/17	Wed 18/1/17	Tue 8/8/17		100%	-61 days
445	241390	ORDER AND DELIVERY OF BIO-TREATMENT PLANT	75 days	2 days	Wed 9/8/17	Sun 22/10/17	Wed 9/8/17	NA	444	100%	-61 days
446	241400	INSTALLATION OF BIO-TREATMENT PLANT	60 days	3 days	Mon 23/10/17	Thu 21/12/17	NA	NA	445,411SS+20 days	100%	-61 days
447	241410	TESTING & COMMISSIONING FOR BIO-TREATMENT PLANT	70 days	2 days	Sun 31/12/17	Sat 10/3/18	NA	NA	446,434	100%	-69 days
448	241420	<b>E&amp;M and MVAC WORKS</b>	<b>189 days</b>		<b>Sun 27/8/17</b>	<b>Sat 3/3/18</b>	-	-		-	<b>-65 days</b>
449	241430	SUBMISSION AND APPROVAL OF E&M and MVAC WORKS	85 days	0 day	Sun 27/8/17	Sun 19/11/17	Fri 11/8/17	NA	411SS+11 days	100%	-65 days
450	241440	ORDER & DELIVERY OF E&M and MVAC WORKS	30 days	2 days	Mon 20/11/17	Tue 19/12/17	NA	NA	449	100%	-65 days
451	241450	INSTALLATION OF E&M and MVAC WORKS	74 days	5 days	Wed 20/12/17	Sat 3/3/18	NA	NA	415SS,450	100%	-65 days
452	241455	<b>FINAL TESTING &amp; COMMISSIONING</b>	<b>3 days</b>	<b>1 days</b>	<b>Sun 11/3/18</b>	<b>Tue 13/3/18</b>	<b>NA</b>	<b>NA</b>	<b>451,421</b>	<b>-</b>	<b>-72 days</b>
453	241460	PORTION L - ANTICIPATED COMPLETION DATE	0 days	0 day	Wed 21/3/18	Wed 21/3/18	NA	NA	427,435,436,442,452,447	100%	-80 days
454	241465	W4 (PORTION L) - LATEST REVISED COMPLETION DATE IN THIS PROG DATE	0 days	0 day	Thu 15/3/18	Thu 15/3/18	NA	NA	427,435,436,442,452,447	0%	0 days
455	241480	<b>SECTION W4 - ANTICIPATED COMPLETION DATE OF WORKS WITH CE / NCE EFFECT DUE TO INCLEMENT WEATHER &amp; OTHERS ISSUE</b>	<b>0 days</b>	<b>0 day</b>	<b>Wed 21/3/18</b>	<b>Wed 21/3/18</b>	<b>NA</b>	<b>NA</b>	<b>453</b>	<b>-</b>	<b>-80 days</b>
456	250000	<b>SECTION W5 (PORTION M)</b>	<b>1138 days</b>		<b>Thu 30/6/16</b>	<b>Sun 11/8/19</b>	-	-		-	<b>769 days</b>
457	250010	STARTING DATE OF CONTRACT	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	2SS	100%	0 days
458	250020	APPLICATION OF EXCAVATION PERMIT	485 days	0 day	Thu 30/6/16	Fri 27/10/17	Thu 30/6/16	Fri 27/10/17	2SS	80%	1422 days
459	251000	<b>PORTION M (BRIDGE E)</b>	<b>1138 days</b>		<b>Thu 30/6/16</b>	<b>Sun 11/8/19</b>	-	-		-	<b>769 days</b>
460	251010	POSSESSION OF SITE	0 days	0 day	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	Thu 30/6/16	457SS	100%	0 days
461	251020	INITIAL SURVEY	63 days	2 days	Thu 30/6/16	Wed 31/8/16	Thu 30/6/16	Wed 31/8/16	460SS	100%	0 days
462	251030	TREE SURVEY	28 days	2 days	Thu 30/6/16	Wed 27/7/16	Thu 30/6/16	Wed 27/7/16	460SS	100%	0 days
463	251040	TREE FELLING/TRANSPLANTING AND SITE CLEARANCE	491 days	5 days	Thu 30/6/16	Thu 28/7/16	Thu 30/6/16	Thu 28/7/16	462	100%	0 days
464	251050	PREPARATION TDMP FOR PRE-DRILLING WORKS	45 days	4 days	Thu 30/6/16	Sat 13/8/16	Thu 30/6/16	Sat 13/8/16	460SS	100%	0 days
465	251060	APPROVAL OF TDMP FOR PRE-DRILLING WORKS BY SUPERVISOR/DSD	14 days	2 days	Sun 14/8/16	Sat 27/8/16	Sun 14/8/16	Sat 27/8/16	464	100%	0 days
466	251070	STARTING DATE OF DRY SEASON	0 days	0 day	Tue 1/11/16	Tue 1/11/16	Tue 1/11/16	Tue 1/11/16	465	100%	0 days
467	251080	TEMPORARY DRAINAGE WORKS	30 days	4 days	Tue 1/11/16	Wed 30/11/16	Tue 1/11/16	Wed 30/11/16	466,461,463SS+10 days	100%	0 days
468	251090	PRE-DRILLING WORKS FOR PILES AT GRID 2	7 days	4 days	Thu 1/12/16	Wed 7/12/16	Thu 1/12/16	Wed 7/12/16	467	100%	0 days
469	251100	PRE-DRILLING WORKS FOR PILES AT GRID 3	7 days	4 days	Sun 15/1/17	Sat 21/1/17	Sun 15/1/17	Sat 21/1/17	468,458	100%	0 days
470	251110	PRE-DRILLING WORKS FOR PILES AT GRID 1	7 days	4 days	Wed 1/3/17	Tue 7/3/17	Wed 1/3/17	Tue 7/3/17	469	100%	0 days
471	251120	REMOVAL OF TEMPORARY DRAINAGE WORK	24 days	2 days	Wed 8/3/17	Fri 31/3/17	Wed 8/3/17	Fri 31/3/17	469FS+7 days	100%	0 days
472	251130	END DATE OF DRY SEASON	0 days	0 day	Fri 31/3/17	Fri 31/3/17	Fri 31/3/17	Fri 31/3/17	471	100%	0 days
473	251140	SUBMISSION, APPROVAL, PROCURE AND DELIVERY OF BEARINGS AND MOVEMENT JOINTS	300 days	30 days	Fri 3/11/17	Wed 29/8/18	Fri 3/11/17	NA	472FS+216 days	50%	1116 days
474	251150	PREPARATION OF TDMP FOR PILING WORKS	36 days	7 days	Sat 1/4/17	Sat 6/5/17	Sat 1/4/17	Sat 6/5/17	472	100%	0 days
475	251160	APPROVAL OF TDMP FOR PILING WORKS BY SUPERVISOR/DSD	87 days	2 days	Sun 7/5/17	Tue 1/8/17	Sun 7/5/17	Tue 1/8/17	474	100%	0 days
476	251170	STARTING DATE OF DRY SEASON	0 days	0 day	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	Wed 1/11/17	475	100%	0 days
477	251180	TEMPORARY DRAINAGE WORKS	15 days	2 days	Wed 1/11/17	Wed 15/11/17	Wed 1/11/17	Wed 15/11/17	476	100%	0 days
478	251190	PILING WORKS AT GRID 2	25 days	4 days	Thu 16/11/17	Sun 10/12/17	Thu 16/11/17	Sun 10/12/17	477	100%	0 days
479	251220	PILING WORKS AT GRID 3	25 days	4 days	Thu 16/11/17	Sun 10/12/17	Thu 16/11/17	Sun 10/12/17	477	100%	0 days
480	251225	PILE LOAD TEST	50 days	1 day	Mon 11/12/17	Mon 29/1/18	Mon 11/12/17	Mon 29/1/18	478,479	100%	22 days
481	251230	PILE CAP CONSTRUCTION	90 days	1 day	Mon 11/12/17	Sat 10/3/18	Mon 11/12/17	Sat 10/3/18	478,479	100%	0 days
482	251240	REMOVAL OF TEMPORARY DRAINAGE WORK	21 days	2 days	Sun 11/3/18	Sat 31/3/18	Sun 11/3/18	Sat 31/3/18	480FS+18 days,481	100%	0 days
483	251250	END DATE OF DRY SEASON	0 days	0 day	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	Sat 31/3/18	482,501	100%	0 days
484	251251	IMPLEMENTATION OF TTA AT GRID 1	14 days	0 day	Wed 1/11/17	Tue 14/11/17	Wed 1/11/17	Tue 14/11/17		100%	-7 days
485	251252	CE-068 - EXCAVATION OF INSPECTION TRENCH AND CE-069 - FORMING AN OPENING AT EXISTING RETAINING WALL FOR PILING WORKS OF P2A, P4A AND P6A IN BRIDGE E	28 days	0 day	Wed 8/11/17	Tue 5/12/17	Wed 8/11/17	Tue 5/12/17	484	100%	0 days
486	251255	PILING WORKS AT GRID 1	72 days	2 days	Wed 6/12/17	Thu 15/2/18	Wed 6/12/17	Thu 15/2/18	485	100%	-41 days
487	251260	PILE LOAD TEST AT GRID 1 (+ DELAY DUE TO SKJV NCE No.84 - SUSPENSION OF TENSION LOADING TEST)	28 days	7 days	Fri 16/2/18	Thu 15/3/18	Fri 16/2/18	Wed 7/3/18	486	100%	-41 days
488	251270	PILE CAP & COLUMN AT GRID 1	100 days	3 days	Fri 16/3/18	Sat 23/6/18	Thu 8/3/18	NA	487	100%	-41 days
489	251275	RAMP & RETAINING WALL AT GRID 1	170 days	2 days	Sun 24/6/18	Mon 10/12/18	NA	NA	488	0%	-41 days
490	251280	INSTALLATION OF STEEL ROOF AT GRID 1	43 days	1 days	Tue 11/12/18	Tue 22/1/19	NA	NA	489	0%	-41 days
491	251285	INSTALLAION OF MJ	14 days	0 day	Wed 23/1/19	Tue 5/2/19	NA	NA	490	0%	-41 days
492	251290	DRAINAGE & ROADWORKS AT GRID 1	157 days	4 days	Wed 6/2/19	Fri 12/7/19	NA	NA	491	0%	-41 days
493	251300	STARTING DATE OF DRY SEASON	0 days	0 day	Thu 1/11/18	Thu 1/11/18	NA	NA		0%	-38 days



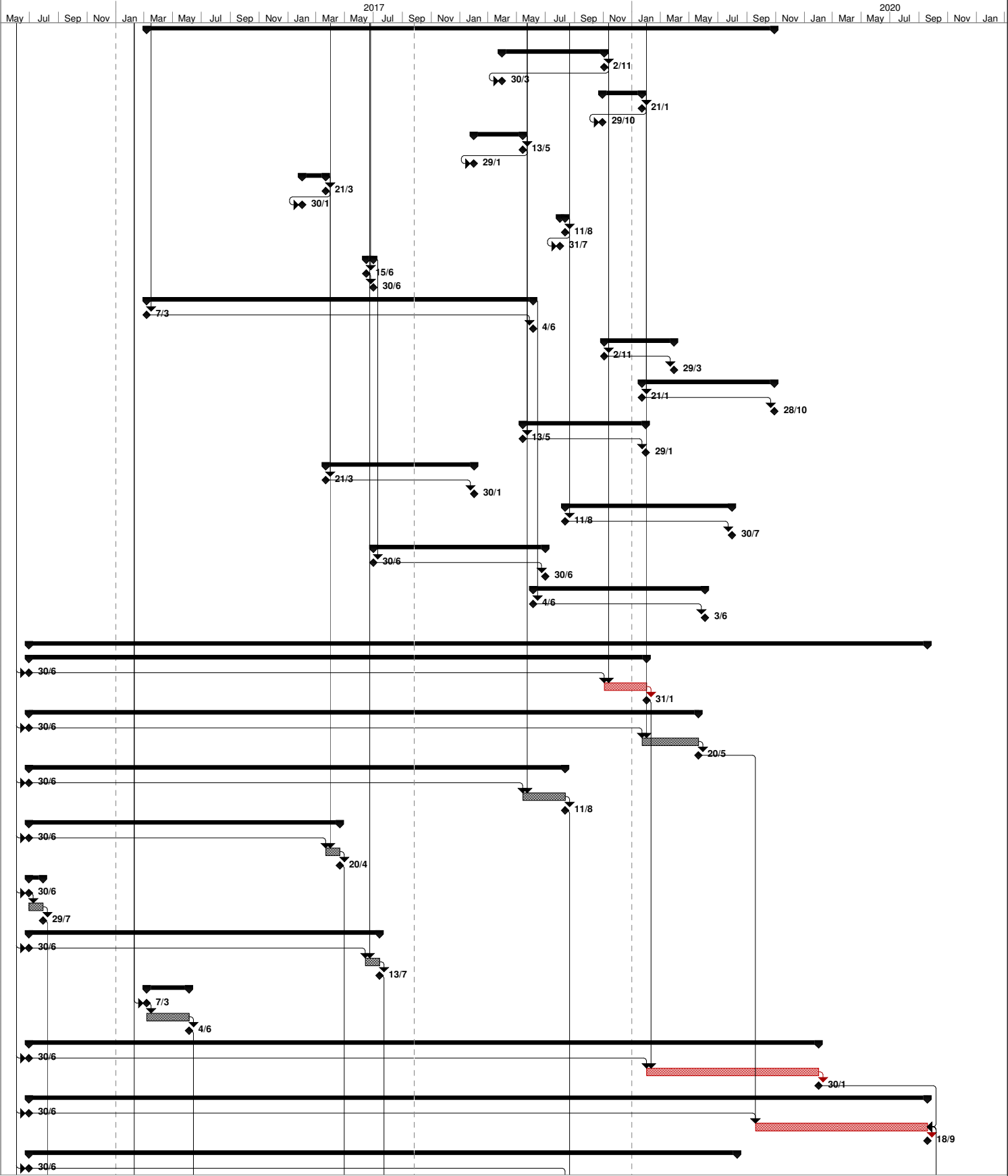
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Split	Project Summary	Inactive Task	Manual Task	Manual Summary	Critical	Deadline
Milestone	External Tasks	Inactive Milestone	Duration-only	Start-only	Critical Split	

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME



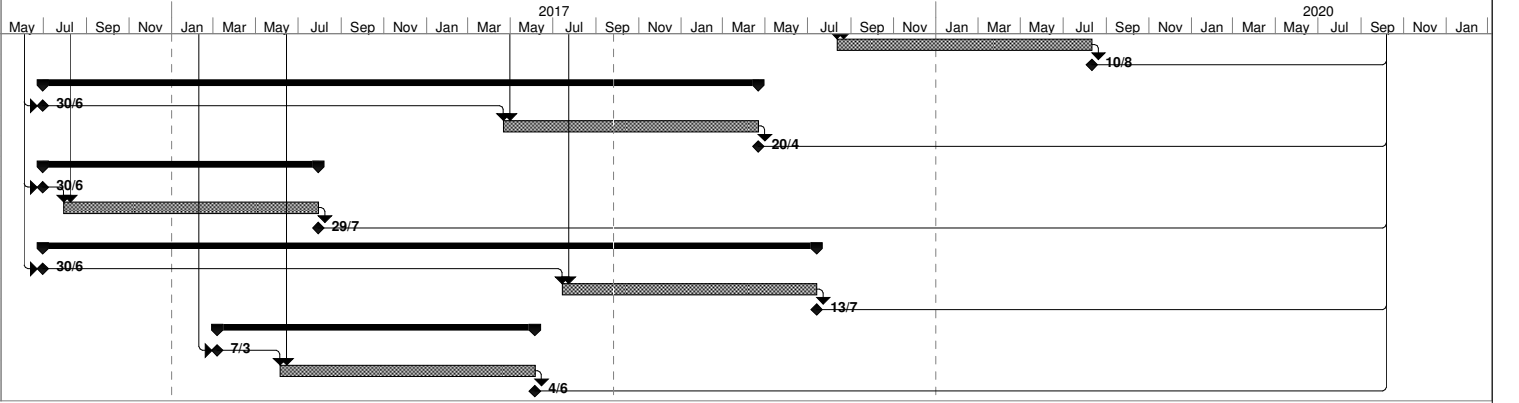
REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

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



REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME

ID	Activity ID	Task Name	Duration	Time Risk Allowance (days)	Early Start	Early Finish	Actual Start	Actual Finish	Predecessors	% Comple	Finish Slack
633	400390	ESTABLISHMENT WORKS	365 days	30 days	Mon 12/8/19	Mon 10/8/20	NA	NA	606,632		155 days
634	400400	COMPLETION OF SECTION W9C	0 days		Mon 10/8/20	Mon 10/8/20	NA	NA	633		155 days
635	400410	<b>SECTION W9D</b>	<b>1025 days</b>		<b>Thu 30/6/16</b>	<b>Sat 20/4/19</b>	NA	NA			<b>196 days</b>
636	400420	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		856 days
637	400430	ESTABLISHMENT WORKS	365 days	30 days	Sat 21/4/18	Sat 20/4/19	NA	NA	610,636		196 days
638	400440	COMPLETION OF SECTION W9D	0 days		Sat 20/4/19	Sat 20/4/19	NA	NA	637		196 days
639	400450	<b>SECTION W9E</b>	<b>395 days</b>		<b>Thu 30/6/16</b>	<b>Sat 29/7/17</b>	NA	NA			<b>1359 days</b>
640	400460	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		1389 days
641	400470	ESTABLISHMENT WORKS	365 days	30 days	Sat 30/7/16	Sat 29/7/17	NA	NA	614,640		1359 days
642	400480	COMPLETION OF SECTION W9E	0 days		Sat 29/7/17	Sat 29/7/17	NA	NA	641		1359 days
643	400490	<b>SECTION W9F</b>	<b>1109 days</b>		<b>Thu 30/6/16</b>	<b>Sat 13/7/19</b>	NA	NA			<b>244 days</b>
644	400500	STARTING DATE OF CONTRACT	0 days		Thu 30/6/16	Thu 30/6/16	NA	NA	2SS		988 days
645	400510	ESTABLISHMENT WORKS	365 days	30 days	Sat 14/7/18	Sat 13/7/19	NA	NA	618,644		244 days
646	400520	COMPLETION OF SECTION W9F	0 days		Sat 13/7/19	Sat 13/7/19	NA	NA	645		244 days
647	400530	<b>SECTION W9G</b>	<b>455 days</b>		<b>Tue 7/3/17</b>	<b>Mon 4/6/18</b>	NA	NA			<b>987 days</b>
648	400540	<i>INSTRUCTION TO EXECISE</i>	<i>0 days</i>		<i>Tue 7/3/17</i>	<i>Tue 7/3/17</i>	NA	NA	53SS		<b>1077 days</b>
649	400550	ESTABLISHMENT WORKS	365 days	30 days	Mon 5/6/17	Mon 4/6/18	NA	NA	622,648		987 days
650	400560	COMPLETION OF SECTION W8A	0 days		Mon 4/6/18	Mon 4/6/18	NA	NA	649		987 days



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

REMARK: ALL SUNDAYS AND HOLIDAYS ARE INCLUDED IN THIS PROGRAMME



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**APPENDIX B  
MONITORING REQUIREMENTS**

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**Appendix B - Environmental Impact Monitoring Requirements**

Remarks: # The impact monitoring at these locations will only be carried out until existence of the sensitive receiver at the building.

Type of Monitoring	Parameter	Frequency	Location	Measurement Conditions
Construction Noise	L <sub>eq</sub> , L <sub>90</sub> & L <sub>10</sub> at 30 minute intervals during (0700 to 1900 on normal weekdays)	Once per week	<ul style="list-style-type: none"> <li>• N1 - HKMLC Wong Chan Sook Ying Memorial School</li> <li>• N2 – Bethel High School</li> <li>• N3 – No. 159 Mai Po San Tsuen</li> <li>• N5 – Block 2, Dills Corner Garden</li> <li>• N6 – Home of Loving Faithfulness</li> <li>• N7 – Village House in Shek Wu Wai</li> </ul>	<ul style="list-style-type: none"> <li>• N1 – Façade measurement at Rooftop (about 5/F) area</li> <li>• N2 – Façade measurement at Rooftop (about 4/F) area</li> <li>• N3 – Free field measurement at G/F area</li> <li>• N5 – Free field measurement at G/F area</li> <li>• N6 – Façade measurement at Rooftop (about 3/F) area</li> <li>• N7 – Free field measurement at G/F area</li> </ul>

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

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## Appendix C - 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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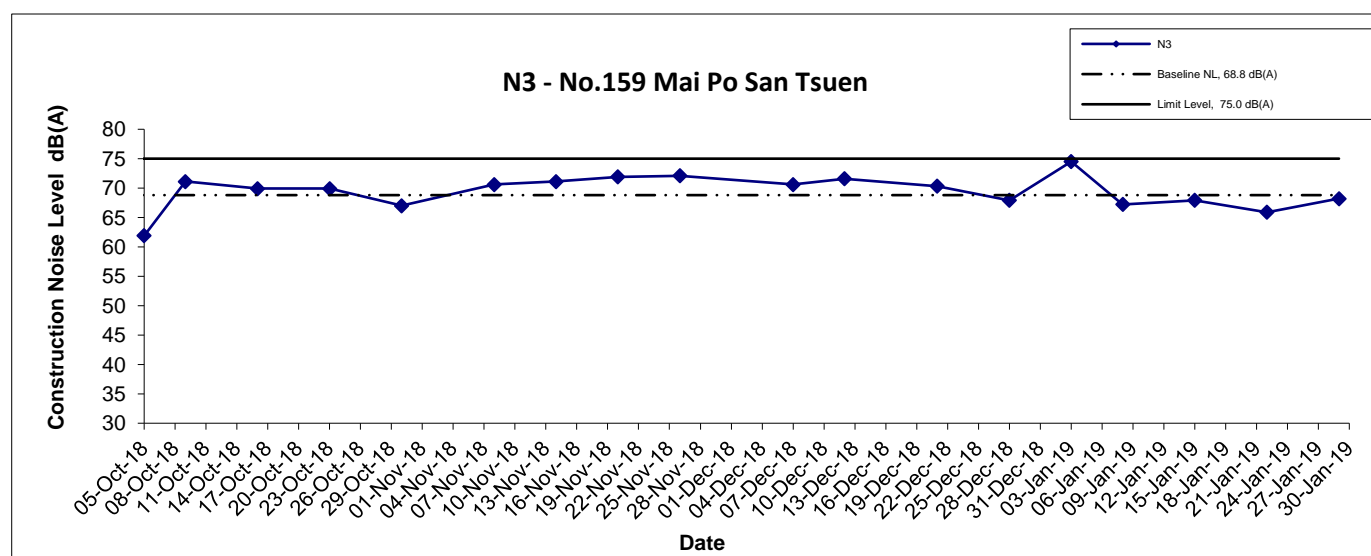
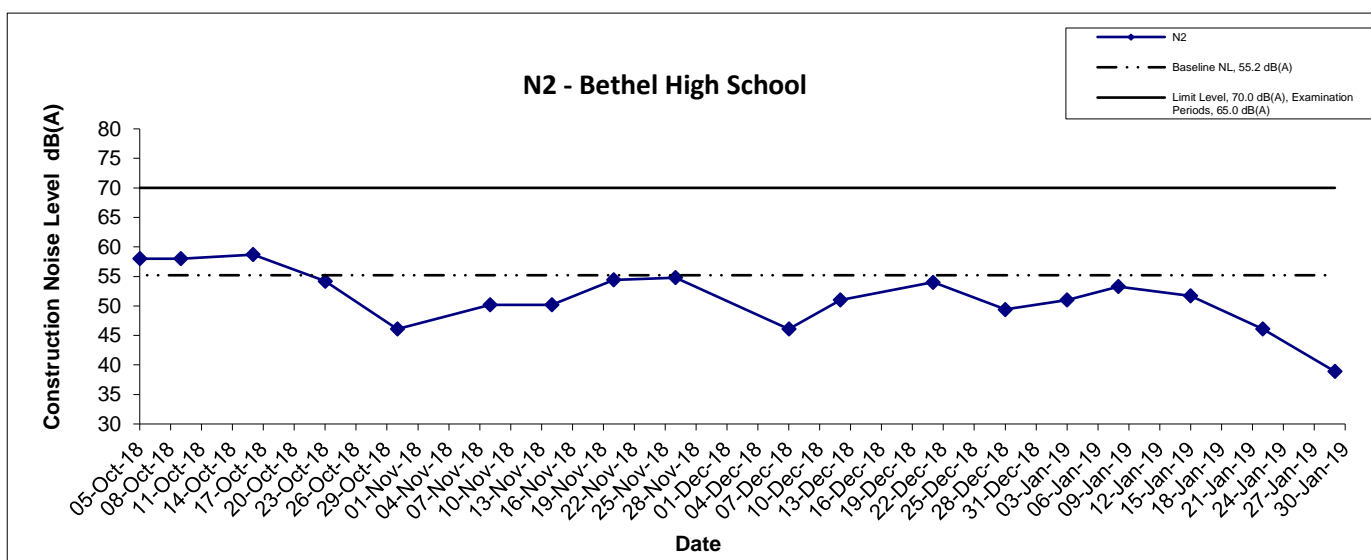
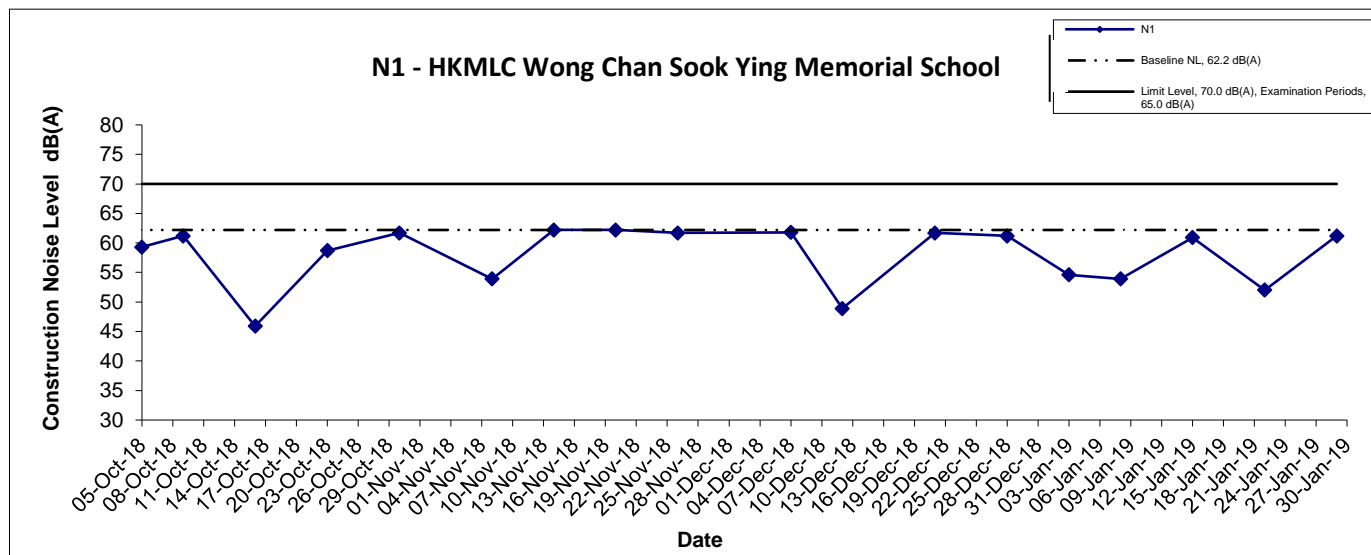
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**APPENDIX D  
NOISE MONITORING RESULTS AND  
GRAPHICAL PRESENTATIONS**

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## Noise Levels



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

Graphical Presentation of  
 Construction Noise Monitoring Results

Scale N.T.S

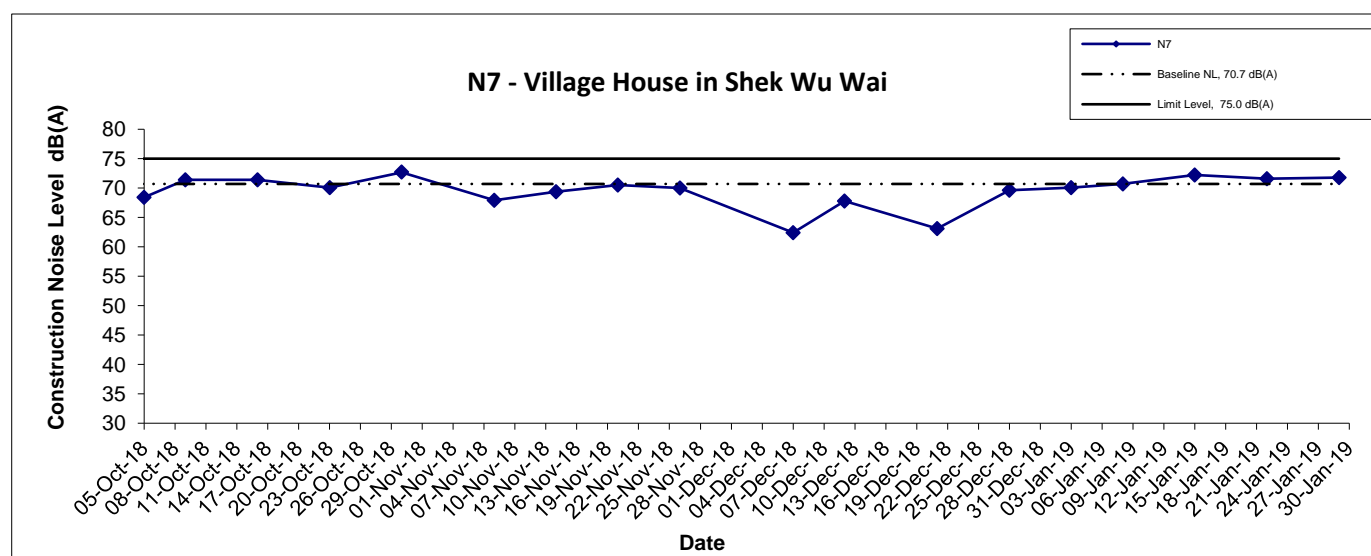
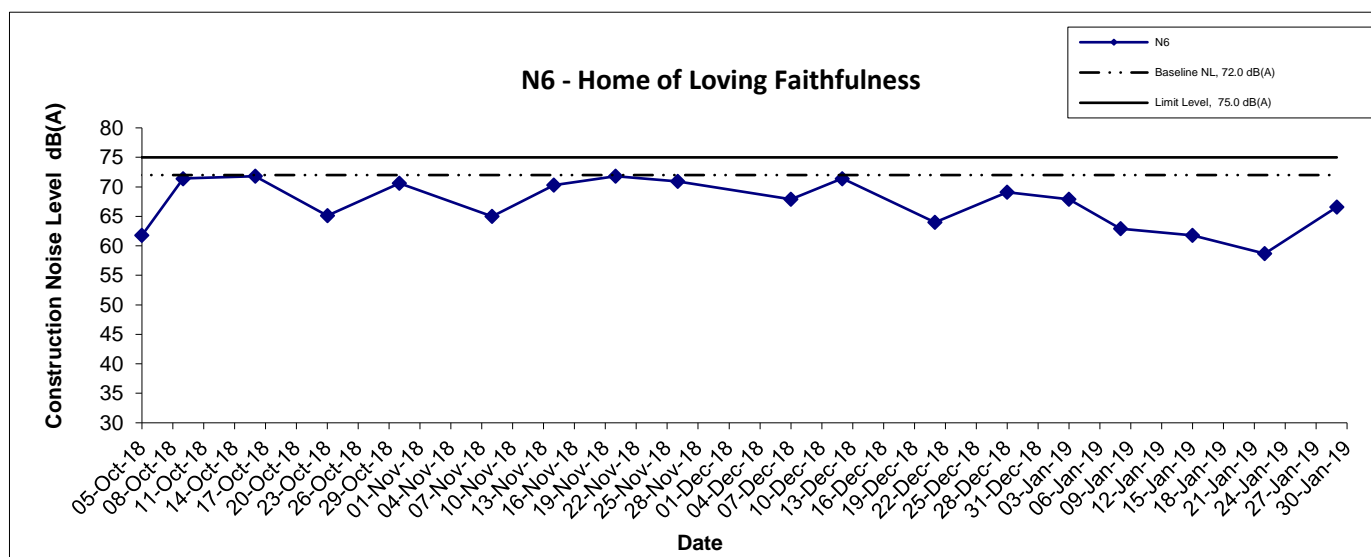
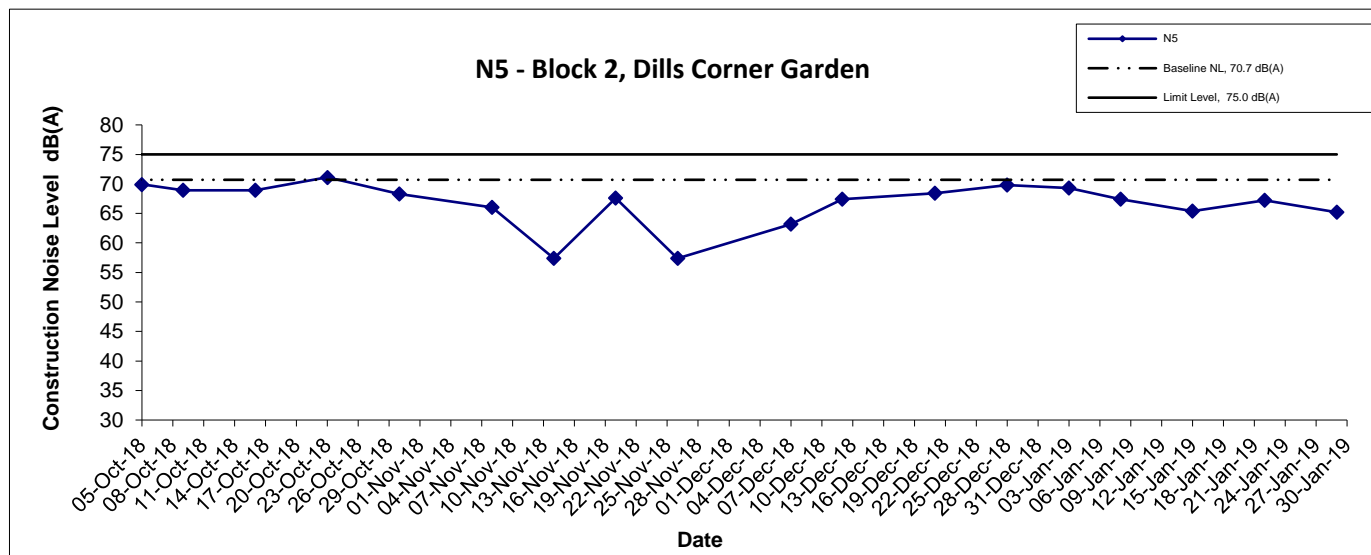
Date Feb-19

Project No. MA16036

Appendix 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 N.T.S  
 Date Feb-19

Project No. MA16036  
 Appendix E



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**APPENDIX E  
ENVIRONMENTAL MITIGATION  
IMPLEMENTATION SCHEDULE (EMIS)**

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**Appendix E - 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>	#

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
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>	^
<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 CH-MP5+100m) are recommended to be scheduled to avoid works at the areas near Castle Peak Road of the Proposed Comprehensive Development at Wo Shang Wai (CDWSW) project if the works site of the CDWSW project is less than 300 m away from Castle Peak Road.	N/A
S.5.5.14	S.4.2.2 (Stage 1 only)	The contractor shall liaise with the Yuen Long and Kam Tin Sewerage and Sewage Disposal Stage 2 (YLKTSSD2) and North West New Territories Salt Water Supply (NWNTSWS) works contractors so as to avoid undertaking works concurrently with the works when they are in the close proximity as far as practicable. As a conservative approach, works for the cycle track shall be carried out when the works from the other projects are over 300 m away. The requirements shall be included in the works contracts.	N/A
N/A	N/A (Stage 2 only)	The contractor shall liaise with Yuen Long and Kam Tin Sewerage and Sewage Disposal (YLKSSD), Construction of Cycle Tracks and the associated Supporting Facilities at Nam Sang Wai, Yuen Long (NSWCT), Drainage Improvement at Northern NT - Package A – Drainage Improvement Works in San Tin (Remaining Works) - Investigation, North East New Territories New Development Areas Planning and Engineering Study (Investigation) (NENTNDA) and the Proposed Residential cum Passive Recreational Development within “Recreation” (“REC”) zone and “Residential (Group C)” Zone at Various Lots in DD 104, Yuen Long, N.T. (RCPRD) contractors so as to avoid undertaking works concurrently with their works (refer to S. 4.2.2 of the EM&A Manual for Stage 2 Works).	^

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		<ul style="list-style-type: none"> <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	^
S.5.6.8	S.4.2.19	Unused equipment should be turned off. PME should be kept to a minimum and the parallel use of noisy equipment / machinery should be avoided	^
S.5.6.8	S.4.2.19	Regular maintenance of all plant and equipment	^
S.5.6.8	S.4.2.19	Material stockpiles and other structures should be effectively utilised as noise barriers, where practicable	N/A

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
S.5.6.8	S.4.2.19	The Contractor shall liaise with the schools that are located near the works sites regarding their examination period and schedule the noisy works to avoid the examination period as far as possible	^
<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	N/A

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

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
-	S.5.2.7 (Stage 1 only)	The construction work of cycle bridge at Shek Sheung River is not recommended to be carried out during wet seasons (April to October), and the dry weather flow will be diverted to avoid entering the works area. In order to further protect the river water quality from disturbance, the construction work especially excavation works, will be surrounded by cofferdams to ensure the works will be carried out in a dry condition to prevent water pollution to the river.	^
N/A	S.5.2.4 (Stage 2 only)	Stream decking is recommended to be carried out during dry weather condition. To prevent disturbance to the river water quality, measures will be taken to ensure the works to be carry out in a dry condition to prevent water pollution to the river, such as sandbag barriers.	^
N/A	S.5.2.6 (Stage 2 only)	Based on the current available information, the tentative programmes of some construction works for the Agreement No. CE 57/2011 (DS) Drainage Improvement at Northern NT - Package A Drainage Improvement Works in San Tin (Remaining Works) - Investigation (DIST) and the Construction of Cycle Tracks and the associated Supporting Facilities at Nam Sang Wai, Yuen Long (NSWCT) projects may overlap with Stage 2 cycle track construction works. It is recommended that the Contractor should liaise with the project contractor(s) of the DIST and the NSWCT projects to schedule the construction works and allow programme phrasing to avoid major concurrent activities to be undertaken simultaneously in the vicinity.	^
<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	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		and visual impacts), mitigation measures are required to ensure proper handling, storage, transportation and disposal of materials at the outset and throughout the construction phase of the project	
S.7.4.1	S.6.2.6	<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 minimisation</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>	^
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>	^



EIA Ref.	EM&A Ref.	Mitigation Measures	Status
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>	#
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>	^
<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.	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		Site investigation and sampling works in accordance with the approved CAP. If contamination is identified, Contamination Assessment Report (CAR) and Remediation Action Plan (RAP) shall be prepared and submitted for EPD's approval.	
S.8.7.5	S.7.3.1	<p>The following control measures should be implemented when handling identified contaminated materials:</p> <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	<p><u>Management of Contaminated Soils</u></p> <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 bund where appropriate in order to avoid any leachate from migrating out of the area;</li> <li>▪ Any vehicles transporting the material shall be suitably covered to limit potential dust emissions;</li> <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</li> </ul>	N/A

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		contaminated water requiring disposal and suspended solids in the wastewater stream	
<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
-	S.8.2.6 (Stage 1 only)	For the lower Shek Sheung River, construction works should be scheduled in dry season to minimize the disturbance to the foraging ardeids and the Quiet PME shall	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		be implemented practicable to minimize the noise disturbance to the foraging ardeids.	
S.10.5.4	S.8.2.7 (Stage 1) S.8.2.5 (Stage 2)	To prevent any negative impact to water quality as a result of site run-off, good site practice must be employed at all times, particularly in the areas close to fishponds. Practice Note for Professional Persons ProPECC PN1/94 – Construction Site Drainage shall be implemented.	^
S.10.5.4	S.8.2.8 (Stage 1) S.8.2.6 (Stage 2)	Along Pok Wai South Road, once the final construction sequencing is known, liaison with local residents and aquaculturists should be implemented in order to minimise temporary road blockages and to identify the best timing for works along this area.	N/A
S.10.5.3	S.8.2.9 (Stage 1) S.8.2.7 (Stage 2)	During wet seasons, surface run-off from the construction sites will need to be directed into storm drains via adequately designed wastewater treatment facilities such as sand traps, silt traps, oil interceptors and sediment settling basins. Works adjacent to the fishponds near NTMDC inside the Wetland Conservation Area (WCA) and Mai Po San Tsuen should be avoided, as far as practicable, during the wet season to avoid runoff into the fishponds.	^
-	S.8.2.10 (Stage 1 only)	The use of signage at the Resting Stations to indicate that wildlife may be present and that noise levels and activities should be kept to a minimum could be implemented. This may help to reduce any potential disturbance to wildlife from human activity. At Long Valley, to mitigate against potential indirect human disturbance to Greater Painted-snipe, planting could be undertaken as appropriate along the proposed cycle track at meander 8 to act as screening.	N/A
S.9.11.27	S.8.2.11 (Stage 1) S.8.2.9 (Stage 2)	The following good work practices are recommended: <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;</li> </ul>	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		<ul style="list-style-type: none"> <li>▪ 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>	
<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 fallen within the cycle track works area shall be incorporated in the final landscape design of this Project.	^
S.12.10.1	OP1	The Design Concept Drawings and Conceptual Landscape Master Plan of cycle track and associated facilities demonstrate landscape and visual mitigation strategies and design measures including integrated design approach, amenity and compensatory	^

EIA Ref.	EM&A Ref.	Mitigation Measures	Status
		planting proposals and treatment of retaining structure and slopes have been recommended in the EIA. More detailed landscape and compensatory planting proposals shall be developed by IDC consultants at later stage during detailed design and construction phase of this project following the completion of the detailed Tree Survey Report and approval from relevant departments at that stage	
<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
	CP1.8	All works affecting the trees identified for retention and transplantation will be carefully monitored. This includes the key stages in the preparation of the trees, the	^

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

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

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



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**APPENDIX F**  
**SITE AUDIT SUMMARY**

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**Appendix F Summary of Observation and Recommendation Made during Site Inspection**  
**Summary of Observations and Recommendations Made during Site Inspections from November**  
**2018 to January 2019**

Parameters	Date	Observations and Recommendations	Follow-up
<b>Water Quality</b>	27 Dec 2018	At Portion E, provide mitigation measures (eg. Watering) for dust suppression on public road and improve condition of wheel washing facility.	The condition was observed to be improved/rectified by the contractor during the audit session on 2 Jan 2019.
	13, 18, 27 Dec 2018 2, 8 Jan 2019	To provide adequately designed wastewater treatment facilities for settling runoff/groundwater prior to discharge at Portion D.	The condition was observed to be improved/rectified by the contractor during the audit session on 16 Jan 2019.
	2, 8, 16 Jan 2019	At portion D, the u-channel should be cleaned up and covers should be replaced.	The condition was observed to be improved/rectified by the contractor during the audit session on 22 Jan 2019.
	8, 16, 22, 30 Jan 2019	At Portion E, the wheel washing facility should be cleaned up and covers should be replaced.	Follow up actions will be reported in the next month.
	16, 22, 30 Jan 2019	At Portion B, water should pass through sedimentation tank prior to discharge.	Follow up actions will be reported in the next month.
<b>Air Quality</b>	31 October, 7 November 2018	To provide NRMM label for the excavator at Portion C.	The condition was observed to be improved/rectified by the contractor during the audit session on 14 November 2018
	31 October, 7 November 2018	To keep site entrance clean and free from dust at Portion C.	The condition was observed to be improved/rectified by the contractor during the audit session on 14 November 2018
	7, 14 November 2018	To properly cover the dusty stockpile at near Subway D.	The condition was observed to be improved/rectified by the contractor during the audit session on 20 November 2018
	14, 20, 28 Nov, 5, 13 Dec 2018	To keep site entrance clean and free from dust at Portion B.	The condition was observed to be improved/rectified by the contractor during the audit session on 18 Dec 2018

<b>Parameters</b>	<b>Date</b>	<b>Observations and Recommendations</b>	<b>Follow-up</b>
	14, 20, 28 Nov, 5, 13, 18, 27 Dec 2018, 2 Jan 2019	Provide mitigation measure (e.g. watering) for the haul roads regularly to avoid dust generation at Portion M.	The condition was observed to be improved/rectified by the contractor during the audit session on 8 Jan 2019.
	28 Nov, 5, 13, 18 Dec 2018	To keep site entrance clean and free from dust at Subway A.	The condition was observed to be improved/rectified by the contractor during the audit session on 27 Dec 2018
	20 November 2018	To properly cover the dusty stockpile at Portion B.	The condition was observed to be improved/rectified by the contractor during the audit session on 28 November 2018
	5, 13, 18, 27 Dec 2018 2, 8, 16 Jan 2019	Stockpile of dusty material should be covered by the imperious material for dust suppression at Portion B.	The condition was observed to be improved/rectified by the contractor during the audit session on 22 Jan 2019.
	13 Dec 2018	To display a proper NRMM label for the backhoe at Portion B.	The condition was observed to be improved/rectified by the contractor during the audit session on 18 Dec 2018
	13 Dec 2018	To provide mitigation measure (eg. Watering) for dust suppression at Portion D.	The condition was observed to be improved/rectified by the contractor during the audit session on 18 Dec 2018
	13, 18, 27 Dec 2018, 2, 8, 16, 22 Jan 2019	Properly cover the stockpile of dusty material at Portion E.	The condition was observed to be improved/rectified by the contractor during the audit session on 30 Jan 2019.
	18, 27 Dec 2018, 2 Jan 2019	At Portion M, excavated materials outside the works area should be cleared.	The condition was observed to be improved/rectified by the contractor during the audit session on 8 Jan 2019.
	18, 27 Dec 2018	At Portion D, regular watering should be provided at exposed slope to minimize wind erosion.	The condition was observed to be improved/rectified by the contractor during the audit session on 2 Jan 2019.
	18, 27 Dec 2018, 2 Jan 2019	At Portion J, stockpile should be covered by tarpaulin.	The condition was observed to be improved/rectified by

<b>Parameters</b>	<b>Date</b>	<b>Observations and Recommendations</b>	<b>Follow-up</b>
			the contractor during the audit session on 08 Jan 2019.
	18, 27 Dec 2018, 2, 8, 16 Jan 2019	At Portion B, regular watering should be provided at exposed area to minimize wind erosion.	The condition was observed to be improved/rectified by the contractor during the audit session on 22 Jan 2019.
	18, 27 Dec 2018, 2, 8 Jan 2019	At Portion A, regular watering should be provided at exposed area to minimize wind erosion.	The condition was observed to be improved/rectified by the contractor during the audit session on 16 Jan 2019.
	27 Dec 2018, 2, 8 Jan 2019	Display a proper NRMM label for the excavator at Subway A.	The condition was observed to be improved/rectified by the contractor during the audit session on 16 Jan 2019.
	16, 22, 30 Jan 2019	At Subway A, public road should be cleaned. Mitigation measures such as watering should be implemented.	Follow up actions will be reported in the next month.
	22, 30 Jan 2019	At Portion J, mitigation measure for dust suppressing (e.g. watering) should be implemented at entrance area. Water should be collected and passed through sedimentation tank before discharge.	Follow up actions will be reported in the next month.
	22, 30 Jan 2019	At Portion A, mitigation measure for dust suppressing (e.g. watering) should be implemented at exposed area and public road.	Follow up actions will be reported in the next month.
	30 Jan 2019	At Portion M, the stockpile should be covered by impervious materials or maintained wet.	Follow up actions will be reported in the next month.
<b>Noise</b>	N/A	There was no observation in the reporting period.	N/A
<b>Waste/ Chemical Management</b>	26 Jul 2018 – 30 Jan 2019	Clear the oil stains as chemical waste at WA3.	Follow up actions will be reported in the next month.
	15 Aug 2018 – 22 Jan 2019	To provide drip tray for the chemical containers at Portion E.	The condition was observed to be improved/rectified by the contractor during the audit session on 30 Jan 2019.
	7, 14 November 2018	To clear the accumulated construction waste at near Subway A.	The condition was observed to be improved/rectified by the contractor during the

<b>Parameters</b>	<b>Date</b>	<b>Observations and Recommendations</b>	<b>Follow-up</b>
			audit session on 20 November 2018
	2, 8, 16, 22, 30 Jan 2019	At Subway A, rubbish should be removed and site should be kept clean.	Follow up actions will be reported in the next month.
	22, 30 Jan 2019	At Portion D, public drainage should be kept clean and free of oil.	Follow up actions will be reported in the next month.
	22 Jan 2019	At Portion D, water from road washing should not directly discharge to public drain.	The condition was observed to be improved/rectified by the contractor during the audit session on 30 Jan 2019.
	30 Jan 2019	At Portion B, rubbish pile should be removed.	Follow up actions will be reported in the next month
	30 Jan 2019	At Portion D, the side channel should be cleaned regularly to avoid site run-off from entering the drainage system.	Follow up actions will be reported in the next month
<b><i>Ecology and Fisheries</i></b>	N/A	There was no observation in the reporting period.	N/A
<b><i>Landscape and Visual</i></b>	26 Jul 2018 – 30 Jan 2019	To set up a proper tree protection zone at WA3.	Follow up actions will be reported in the next month.
	5, 13, 18, 27 Dec 2018	A proper tree protection zone should be provided for the retained trees for preservation at Portion D and Subway D.	Follow up actions will be reported in the next month.
<b><i>Permits/ Licenses</i></b>	18, 27 Dec 2018	At Portion M, the environmental permit should be displayed.	The condition was observed to be improved/rectified by the contractor during the audit session on 2 Jan 2019.

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**APPENDIX G  
MONTHLY SUMMARY WASTE FLOW  
TABLE**

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**Sang Hing – Kuly Joint Venture**  
**Environmental Management Plan for Contract No. YL/2015/01**  
**Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works**

Name of Department: CEDD

Contract No.: YL/2015/01

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

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill*	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m <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	-	-	-	-	-	-	-	-	-	-	-
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

**Sang Hing – Kuly Joint Venture**  
**Environmental Management Plan for Contract No. YL/2015/01**  
**Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works**

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



**Sang Hing – Kuly Joint Venture**  
**Environmental Management Plan for Contract No. YL/2015/01**  
**Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works**

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
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

**Sang Hing – Kuly Joint Venture**  
**Environmental Management Plan for Contract No. YL/2015/01**  
**Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works**

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
Sub-total	1.13	-	-	-	1.08	-	0.05	0.05	0.05	-	0.05
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sept	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
Total	46.115	-	-	-	45.715	0.986	1.11	1.11	1.11	-	0.71

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

#Revised Figure

**Sang Hing – Kuly Joint Venture**  
**Environmental Management Plan for Contract No. YL/2015/01**  
**Cycle Tracks from Tuen Mun to Sheung Shui – Remaining Works**

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> )
5	2	1	1	1	10	3	3	1	1	3

\*Remark: Figure to be revised if necessary

Notes:

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

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**APPENDIX H  
SUMMARY OF EXCEEDANCES**

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**Agreement No. CE 67/2015 (HY)**

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

**Appendix H – 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 period)**

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**ANNEX I  
COMPARISONS OF EM&A DATA AND  
EIA PREDICTIONS**

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## Annex I – Comparison of EM&A Data and EIA Predictions

### Comparison of Noise Monitoring Data with EIA predictions

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 (November 18), $L_{eq}$ (30min) dB(A)	Reporting Month (December 18), $L_{eq}$ (30min) dB(A)	Reporting Month (January 19), $L_{eq}$ (30min) dB(A)
N1 - HKMLC Wong Chan Sook Ying Memorial School	55-62	62 <sup>(1)</sup>	53.9 – 62.2	48.9 – 61.8	52.0 - 61.2
N2 – Bethel High School	57-64	64 <sup>(1)</sup>	50.2 – 54.8	46.1 – 54.0	38.9 - 53.3
N3 – No. 159 Mai Po San Tsuen	70-73	74 <sup>(2)</sup>	70.6 – 72.1	67.9 – 71.6	65.9 - 74.5
N5 – Block 2, Dills Corner Garden	73-75	75 <sup>(2)</sup>	57.4 – 67.6	63.2 – 69.8	65.2 – 69.3
N6 – Home of Loving Faithfulness	64-73	74 <sup>(1)</sup>	65.0 – 71.8	64.0 – 71.4	58.7 – 67.9
N7 – Village House in Shek Wu Wai	N/A <sup>(3)</sup>	70 <sup>(2)</sup>	67.9 – 70.5	62.4 – 69.6	70.1 – 72.2

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)