Issue No.: Issue 1
Issue Date: March 2022
Project No.: 1626

MUI WO LAI CHI YUEN CEMETERY EXTENSION

MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT (FEBRUARY 2022)

27/F, Overseas Trust Bank Building
160 Gloucester Road
Wan Chai
Hong Kong

T: +852 2815 7028
F: +852 2815 5399

www.asecg.com

Prepared By:

Allied Environmental Consultants Limited

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Certified by:

Grace M.H. KWOK
Environmental Team Leader

Verified by:

Gary CHOW
Independent Environmental Checker

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Prepared By:

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COMMERCIAL-IN-CONFIDENCE

Author:

Henry Poon
BEng(Hons), MSc

Checked:

Chris Lo
BA(Hons), MSc

Approved:

Grace M. H. Kwok
BEng(Hons) MHKIEIA MHKIOA MIAIA MRAPA MISWA BEAM Pro LEED Fellow BREEAM AP, FFHKIQEP, CAP, HKGBC Faculty

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EXECUTIVE SUMMARY

General

This is the Environmental Monitoring and Audit (EM&A) Monthly Report for February 2022 of Mui Wo Lai Chi Yuen Cemetery Extension under Environmental Permit no. EP-532/2017/A (Hereafter as the Project). The main construction works of the Project were commenced on 15 July 2019 and is scheduled to be completed in October of 2020. This is the 31st EM&A report presenting the environmental monitoring findings and information recorded during the period of 1 February 2022 to 28 February 2022.

In the reporting month, the major activities conducted are as follow:

- T&C of plumbing system and joss paper burner;
- Site cleaning; and
- Defect touch-up

Site Inspections and Audit

The Environmental Team (ET) conducted weekly site inspections for the Contract on 4, 7, 18 and 24 February 2022. IEC attended the joint site inspection on 18 February 2022.

Complaints, Summons and Prosecutions

Number of complaints, summons and successful prosecutions in the reporting month are summarised below.

- **Complaints:** Zero.
- **Summons:** Zero.
- **Successful Prosecutions:** Zero

Reporting Changes

There is no change in the reporting month.

Future Key Issues

The major construction works in the coming reporting month are anticipated to include:

- Maintenance of landscape, and;
- Reviewing of landscape design

1 INTRODUCTION

1.1 Project Overview

1.1.1 Allied Environmental Consultants Limited (AEC) has been appointed to work as the Environmental Team (ET) under Environmental Permit (EP) no. EP-532/2017 to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for Mui Wo Lai Chi Yuen Cemetery Extension (Register No.: AEIAR-211/2017). A variation of EP (VEP) was applied and the VEP (EP-532/2017/A) was subsequently granted on 10 April 2019.

1.2 Structure of the Report

1.2.1 This monthly EM&A Report comprises the following sections:

Section 1 Introduction

Section 2 Project Background

Section 3 Status of Environmental Licenses, Notifications and Permits:

Section 4 Implementation Status of Environmental Mitigation Measures

Section 5 Summary of Environmental Permit (EP) Submission

Section 6 Waste Management Implication

Section 7 Environmental Site Inspection and Audit

Section 8 Complaints, Notification of summons and Prosecution

Section 9 Future Key Issues

Section 10 Conclusion and Recommendations

2 PROJECT BACKGROUND

2.1 Background

2.1.1 Food and Environmental Hygiene Department (FEHD) proposed an extension of the Mui Wo Lai Chi Yuen Cemetery (the Project) to construct an elevated platform of around 225m^2 within the existing Lai Chi Yuen Cemetery boundary to accommodate the outdoor niches and the ancillary facilities including one joss paper burner and planters. Also, a site access of 7.5m^2, which is indispensable for the development, will be constructed just outside the cemetery boundary due to lack of suitable space for accommodating it in the cemetery.

2.1.2 The Project is classified as a Designated Project (DP) under Category Q.1 – the Project is wholly within an existing country park, Part I in Schedule of the Environmental Impact Assessment Ordinance (EIAO). The Environmental Impact Assessment (EIA) report was approved by EPD on 16 June 2017 and according to the corresponding Environmental Permit (EP) no. EP-532/2017.

2.1.3 Subsequent to the approval of the EIA report, the layout design of the Project has been slightly modified.

2.1.4 The proposed update design of the Project (hereafter named as "the Proposed Scheme") has largely followed the EIA Scheme. With the site boundary and footprint of the platform remain unchanged, the following slight modifications to the layout design are made:

- Adoption of split-level design for the platform;
- The water pumps will be installed on the maintenance platform located at mezzanine floor underneath the platform;
- Orientation of the niches is reference to the existing graves and face north east, south-west and west.

2.1.5 In this connection, the environmental review report (ERR) and the corresponding application for variation of EP (VEP) were submitted to the Authority with a conclusion that no material change is resulted from the modification of layout design. The VEP (Permit No.: EP-532/2017/A) was granted on 10 April 2019.

2.2 Site Description

2.2.1 The major construction activities under the Project:

- Simple open cut followed by in-situ concrete casting – Construction of split-levels platform and site access;
- Maximum required depth of around 1.7m of excavation; and
- In-situ concrete casting – Construction of niches

2.2.2 The location plan of the Project site is presented in **Figure 1**.

2.3 Construction Programme and Activities

2.3.1 The site activities undertaken in the reporting month included:

- T&C of plumbing system and joss paper burner;
- Site cleaning; and
- Defect touch-up

2.3.2 The construction programme is presented in **Appendix A**.

2.3.3 The project organization chart is shown in **Appendix B**. Key personnel and contact particulars are summarised in **Table 2.1**.

Table 2.1 EM&A Key Personnel and Contact Details

Department / Company	Role/Position	Name	Contact Number	Fax No.
Food and Environmental Hygiene Department	Project Proponent	Mr. Lee Tze Wah	2746 4129	2744 3568
Architectural Service Department	Works Agent	Ms. Gloria Hui	2867 3753	2290 2158
Cheung Hing Construction Company Ltd.	Main Contractor	Mr. Daniel Tsung	2572 2384	2572 2972
Cheung Hing Construction Company Ltd. (Enquiry hotline)	Main Contractor, Project Manager	Mr. Nelson Tam	9171 6890	2572 2972
	Main Contractor, Site Agent	Mr. Mike Mak	9509 8027	2572 2972
Percy Thomas Partnership	Project Architect	Mr. Percy Lau	2957 9617	2564 8274
Mott MacDonald Hong Kong Limited	Independent Environmental Checker	Mr. Gary Chow	2828 5874	2827 1823
Allied Environmental Consultants Ltd.	Environmental Team Leader	Ms. Grace Kwok	2815 7028	2815 5399

3 STATUS OF ENVIRONMENTAL LICENSES, NOTIFICATIONS AND PERMITS

3.1.1 The relevant environmental licenses, permits and/or notifications on environmental protection for this Project and valid in the reporting month are summarized in **Table 3.1**.

Table 3.1 Summary of the current status on licences and/or permits

Permits and/or Licences	**Valid Period**		**Status**
	From	**To**	
Notification of Works Under APCO	23/7/2019	October 2020	Notified Acknowledge receipt from EPD on 23/7/2019 (Ref: 447500) Further Extension of Time for Completion is under approval status by ASD.
Wastewater Discharge Licence	24/1/2020	31/1/2025	Application approved on 24/1/2020 (License number: WT00035236-2019)
Billing account under Waste Disposal Ordinance	-	-	Account Active (Billing account no.: 7030456)
Registration as a Chemical Waste Producer	-	-	Application approved on 20/8/2019 (Waste Producer Number: 0000-931-C4393-01)
Construction Noise Permit	-	-	Nil

4 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

4.1.1 The Contractor has implemented the relevant environmental mitigation measures as specified in the EIA Reports, EPs and updated EM&A Manual. The implementation status of environmental mitigation measures during the reporting period is summarized in **Appendix C**.

4.1.2 Status of required submissions under the EP and EM&A Manual during the reporting period is presented in **Table 4.1**.

Table 4.1 Status of Required Submissions

EP Condition	Submission	Date of Submission
3.4	Monthly EM&A Report (January 2022)	17 February 2022

5 SUMMARY OF ENVIRONMENTAL PERMIT (EP) SUBMISSION

5.1.1 The status of the required submission under the EP (up to end of reporting period) is summarized in **Table 5.1**.

Table 5.1 Summary of the Submissions under the EP

EP Condition	Submission	Date of Submission
1.12	Notification of commencement date of construction on 15th July 2019	28 Jun 2019
2.5(i)	Management Organization of Main Construction Companies	29 Mar 2019 17 Sep 2019 (2nd submission)
2.5(ii) (iii)	Management Organization of the ET and the IEC	14 Feb 2019
2.6	Submission of Detailed Vegetation Survey Report and Transplantation Proposal	21 and 27 Feb 2019 9 Apr 2019 3 May 2019 (EP condition fulfilled dated 27 May 2019)
2.9 & 2.10	Submission of Landscape & Visual Mitigation and Tree Preservation Plan(s)	12 Apr 2019 14 Nov 2019 8 Jan 2020 20 Jan 2021 (4th Submission)
2.11	As-built Landscape Drawing Plan	9 Oct 2020 (Superseded) 5 Mar 2021 (1st Submission)
3.3	Submission of Baseline Monitoring Report	25 Mar 2019 24 Jun 2019 14 Jan 2020 (3rd Submission)

6 WASTE MANAGEMENT IMPLICATION

6.1 Status of Waste Management

In the reporting month, no inert C&D materials was generated and disposed of as public fill. No non-inert C&D materials were generated and disposed of at landfill. The quantities of waste for disposal in the Reporting Period are summarized in **Table 6.1**. A detailed waste flow table is presented in **Appendix D**.

Table 6.1 Summary of Waste Disposal

Month/Year	Inert C&D materials disposed, **'000m^3**	Inert C&D materials recycled, **'000m^3**	Non-inert C&D materials disposed, **'000kg**	Non-inert C&D materials recycled, **'000m^3**	Chemical waste disposed, **'000kg**
February 2022	0.000	0.000	0.000	0.000	0.000

7 ENVIRONMENTAL SITE INSPECTION AND AUDIT

7.1 Environmental Site Inspection and Audit

7.1.1 Site inspections should be conducted regularly to ensure that appropriate environmental protection and pollution control mitigation measures for air quality, noise, water quality, ecology, waste management and landscape and visual aspects are properly implemented for the construction works activities associated with the Project, as they are one of the most effective tools to enforce the environmental protection requirements at the works sites and works areas.

7.1.2 Regular site inspections/audits shall be carried out at least once per week. All observations and results will be recorded in the data record sheets, which will pass to the Contractor. If non-compliance is found on site, the Event / Action Plan will be implemented.

7.1.3 The areas of inspection/audit shall not be limited to the environmental situation, pollution control and mitigation measures within the site; it will also review the environmental situation outside the site area which is likely to be affected, directly or indirectly, by the site activities. The ET shall make reference to the following information in conducting the inspection/audit.

- The EIA recommendations on environmental protection and pollution;
- Mitigation measures;
- Works progress and programme;
- Individual works methodology proposals (which shall include proposal on associated pollution control;
- The contract specifications on environmental protection;
- The relevant environmental protection and pollution control laws; and
- Previous site inspection/ audit results.

7.1.4 The inspection findings and associated recommendations for improvements to the environmental protection and pollution control and outcome of the improvement should be recorded and followed up by the Contractor in an agreed time-frame.

7.1.5 The Architect, ET and Contractor should also carry out ad hoc site inspections if significant environmental problems are identified. Inspections may also be required subsequent to the receipt of environmental complaints, or as part of the investigation/audit work, as specified in the Action Plan for the environmental monitoring and audit.

7.1.6 A total of 4 site inspections were conducted by the ET in this reporting period. Major observations by the ET, actions by the Contractor and outcome are summarized in **Table 7.1**.

7.1.7 During this reporting month, weekly environmental site audits were conducted on 4, 7, 18 and 24 February 2022. IEC attended the joint site inspection on 18 February 2022.

Table 7.1 Summary of Site Inspections

Parameters	**Date**	**Observations / Reminders / Recommendations**	**Action taken by Contractor**
Air Quality	NA	NA	NA
Water Quality	N/A	N/A	N/A
Noise	N/A	N/A	N/A
Waste/Chemical Management	N/A	N/A	N/A
Ecology	N/A	N/A	N/A

Plant Species of Conservation Interest, *Aquilaria sinensis*

7.1.8 Transplantation of the *Aquilaria sinensis* (AT01) was undertaken by the Contractor on 9 September 2019 under the supervision of the ecologist. The transplantation methodology as stipulated in the Transplantation Proposal was followed. AT01 was transplanted to the proposed receptor site. Regular monitoring on the transplanted *Aquilaria Sinensis* has been conducted. The transplanted species was in fair condition and was supported with tree bamboo stake to ensure its stability. The Contractor tree monitoring process has ended on 9 September 2020. However, the contractor now continues to monitor the condition of the transplanted tree until further notice.

7.1.9 Within this reporting month, bi-weekly landscape site audits were conducted on 3 and 17 February 2022.

Table 7.2 Summary of Landscape Inspections

Date	**Observations / Reminders / Recommendations**	**Action taken by Contractor**	**Status**
7 February 2022	There was no major environmental deficiency.	-	-
24 February 2022	There was no major environmental deficiency.	-	-

8 COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTION

8.1 Environmental Complaint, Notification of Summon and Successful Prosecution in the Reporting Period

8.1.1 In the reporting period, no non-compliance, complaint, inspection notice, notification of summons or prosecution was received. The cumulative statistics on complaints, notifications of summons and successful prosecutions are appended in **Appendix E**.

9 FUTURE KEY ISSUES

9.1 Key Issues for the Coming Month

9.1.1 The major construction works in the coming reporting month are anticipated to include:

- Maintenance of landscape, and;
- Reviewing of landscape design

9.1.2 The tentative construction program for the Project is provided in **Appendix A**.

10 CONCLUSIONS AND RECOMMENDATIONS

10.1 Conclusions

10.1.1 This is the monthly EM&A report prepared for the construction phase of Mui Wo Lai Chi Yuen Cemetery Extension and covers the reporting month in February 2022.

10.1.2 The ET has conducted weekly site inspections while the IEC has carried out joint site inspection on monthly basis.

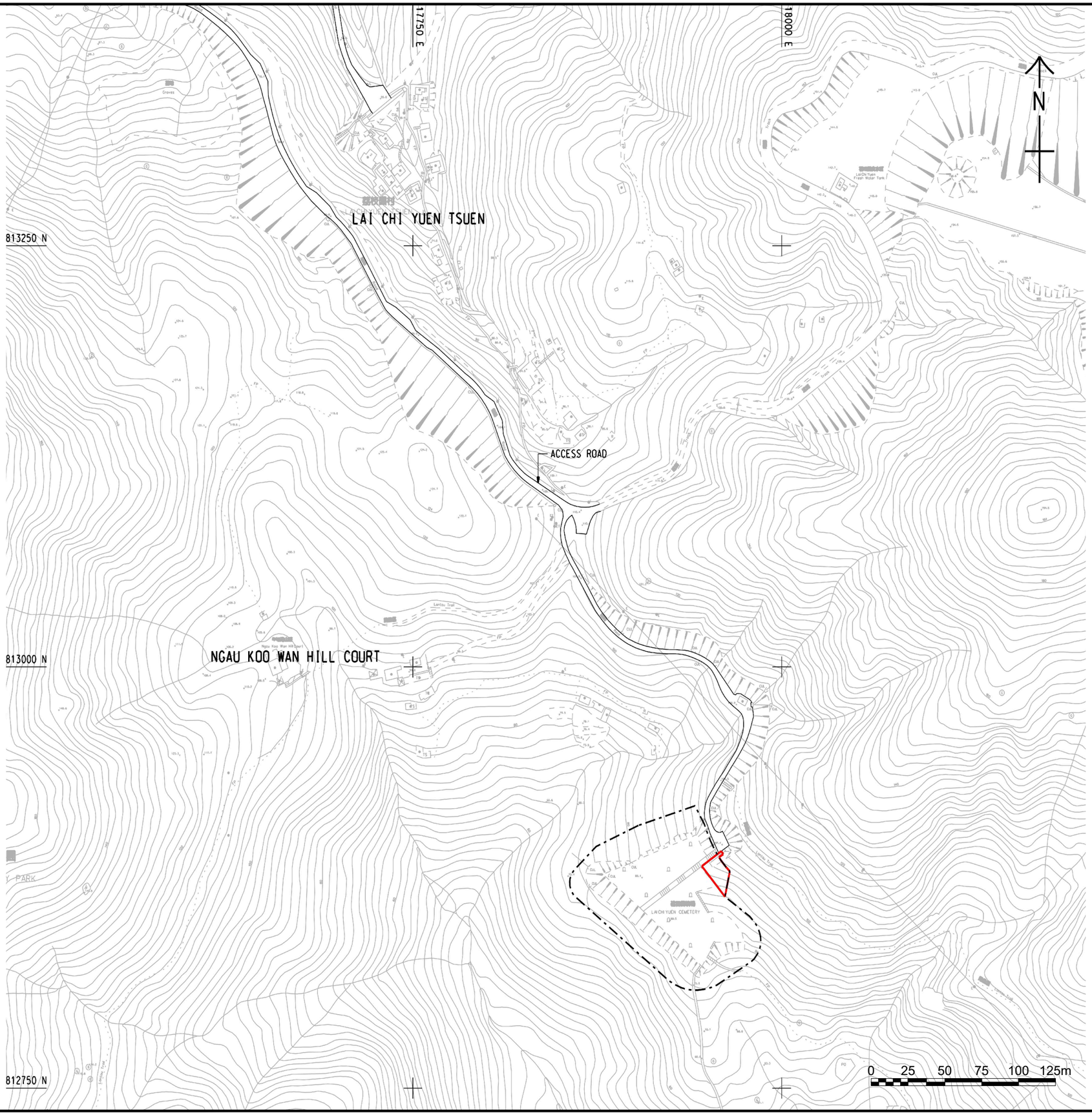
10.1.3 Numbers of complaints, summons and successful prosecutions in the reporting month are summarised below:

- **Complaints**: Zero.
- **Summons**: Zero.
- **Successful Prosecutions**: Zero.

10.2 Recommendations

10.2.1 According to the environmental site inspections performed in the reporting month, no recommendations were provided.

Figure



NOTES :

Boundary of Existing Lai Chi Yuen Cemetery

Project site

Consultant

Allied Environmental Consultants Limited

Project No. :	1626
File Name :	
Project :	Mui Wo Lai Chi Yuen Cemetery Extension
Drawing Title :	Location Plan
Drawing No : Figure 1	Revision : 0
Scale : As shown	Date : Nov 2019

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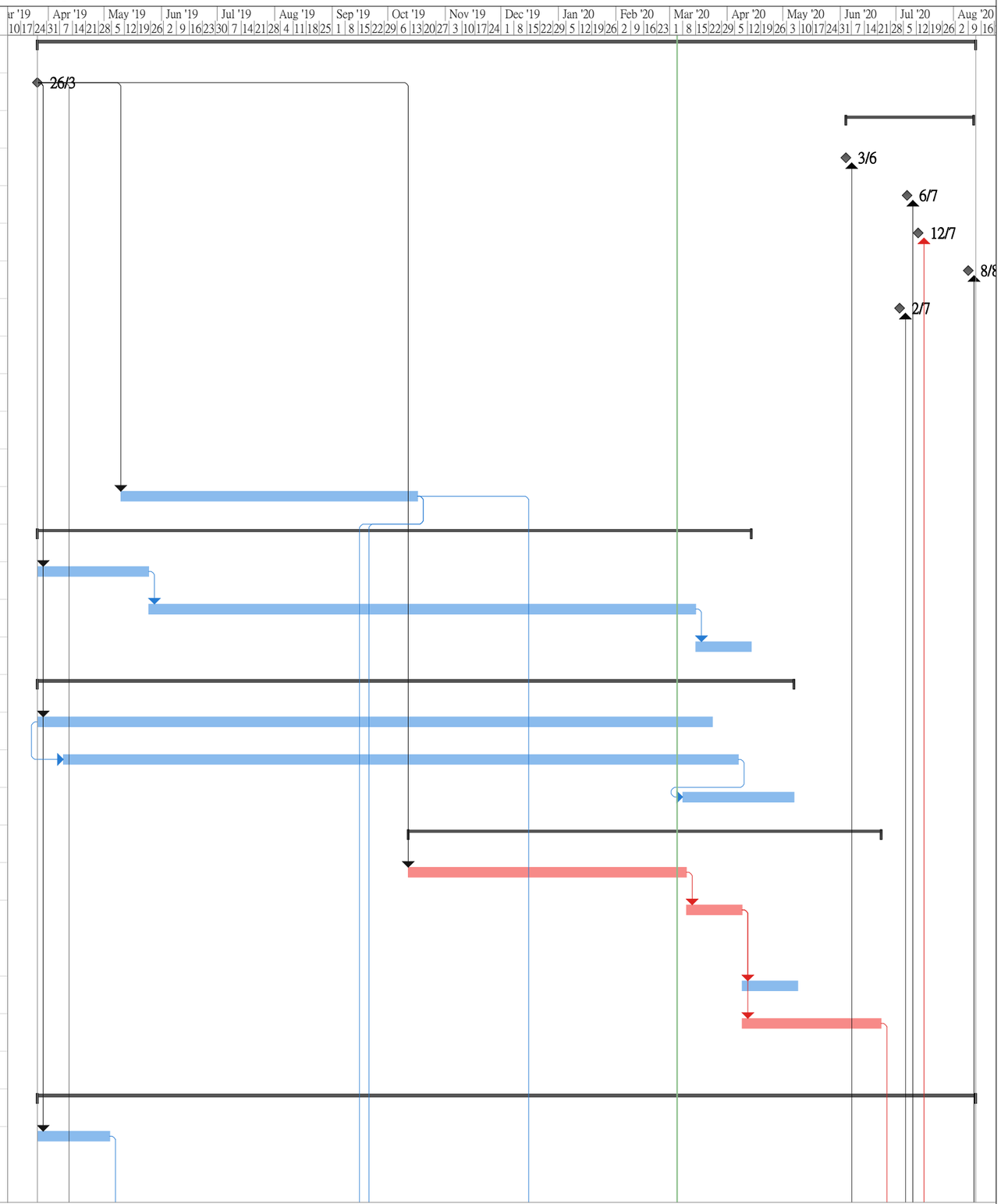
Appendix A

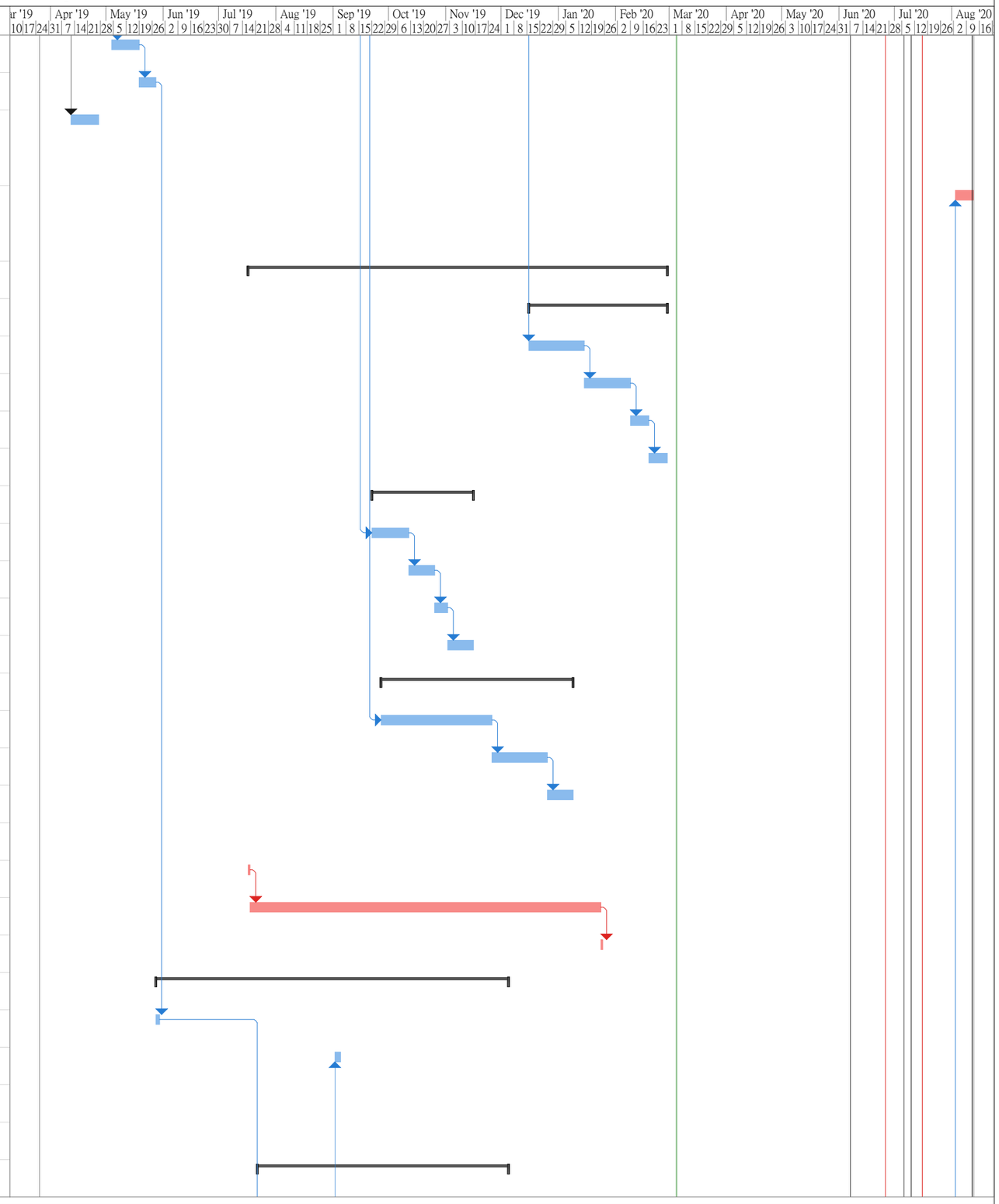
Tentative Construction Programme

ID	Task Name	Duration	Start	Finish	Predecessors
1	**Mui Wo Lai Chi Yuen Extension**	**506 days**	**Tue 26/3/19**	**Wed 12/8/20**	
2	**Site Possession**	0 days	Tue 26/3/19	Tue 26/3/19	
3	**Milestone Dates**	**69 days**	**Wed 3/6/20**	**Wed 12/8/20**	
4	Completion of RC Structural Frame	0 days	Wed 3/6/20	Wed 3/6/20	66
5	Completion of maintenance platform	0 days	Mon 6/7/20	Mon 6/7/20	93
6	Completion of Joss Paper Burner	0 days	Sun 12/7/20	Sun 12/7/20	100
7	Completion of LG/F and UG/F	0 days	Sat 8/8/20	Sat 8/8/20	98
8	Completion of Landscape works	0 days	Thu 2/7/20	Thu 2/7/20	105
9	Completion of T/C works	0 days	Thu 6/8/20	Thu 6/8/20	120,125
10	Completion of finishing works	0 days	Sun 9/8/20	Sun 9/8/20	92
11	Final inspection	0 days	Wed 12/8/20	Wed 12/8/20	129FS-1 day
12	Works order completion & handover	0 days	Wed 12/8/20	Wed 12/8/20	11
13	**Procurement (Trade)**	160 days	Fri 10/5/19	Wed 16/10/19	2FS+45 days
14	**BW Material Submission**	**385 days**	**Tue 26/3/19**	**Mon 13/4/20**	
15	Preparation of material submission	60 days	Tue 26/3/19	Fri 24/5/19	2
16	Comment , review by Consultant and resubmission	295 days	Sat 25/5/19	Sat 14/3/20	15
17	Approval of materials	30 days	Sun 15/3/20	Mon 13/4/20	16
18	**BS Material Submission**	**408 days**	**Tue 26/3/19**	**Wed 6/5/20**	
19	Preparation of material submission	364 days	Tue 26/3/19	Mon 23/3/20	2
20	Comment , review by Consultant and resubmission	364 days	Tue 9/4/19	Mon 6/4/20	19SS+14 days
21	Approval of materials	60 days	Sun 8/3/20	Wed 6/5/20	20FS-30 days
22	**NSR Material Submission**	**255 days**	**Sat 12/10/19**	**Mon 22/6/20**	
23	Preparation of NSR submission	150 days	Sat 12/10/19	Mon 9/3/20	2FS+200 days
24	Comment, review by Consultant and resubmission	30 days	Tue 10/3/20	Wed 8/4/20	23
25	Approval of NSR	30 days	Thu 9/4/20	Fri 8/5/20	24
26	Order and delivery of Joss Paper Burner	75 days	Thu 9/4/20	Mon 22/6/20	24
27	Order and delivery of wire system	45 days	Sat 9/5/20	Mon 22/6/20	25
28	**Landscape Submission**	**506 days**	**Tue 26/3/19**	**Wed 12/8/20**	
29	Vegetation Survey Report, Transplantation Proposal & MS for tree felling	39 days	Tue 26/3/19	Fri 3/5/19	2



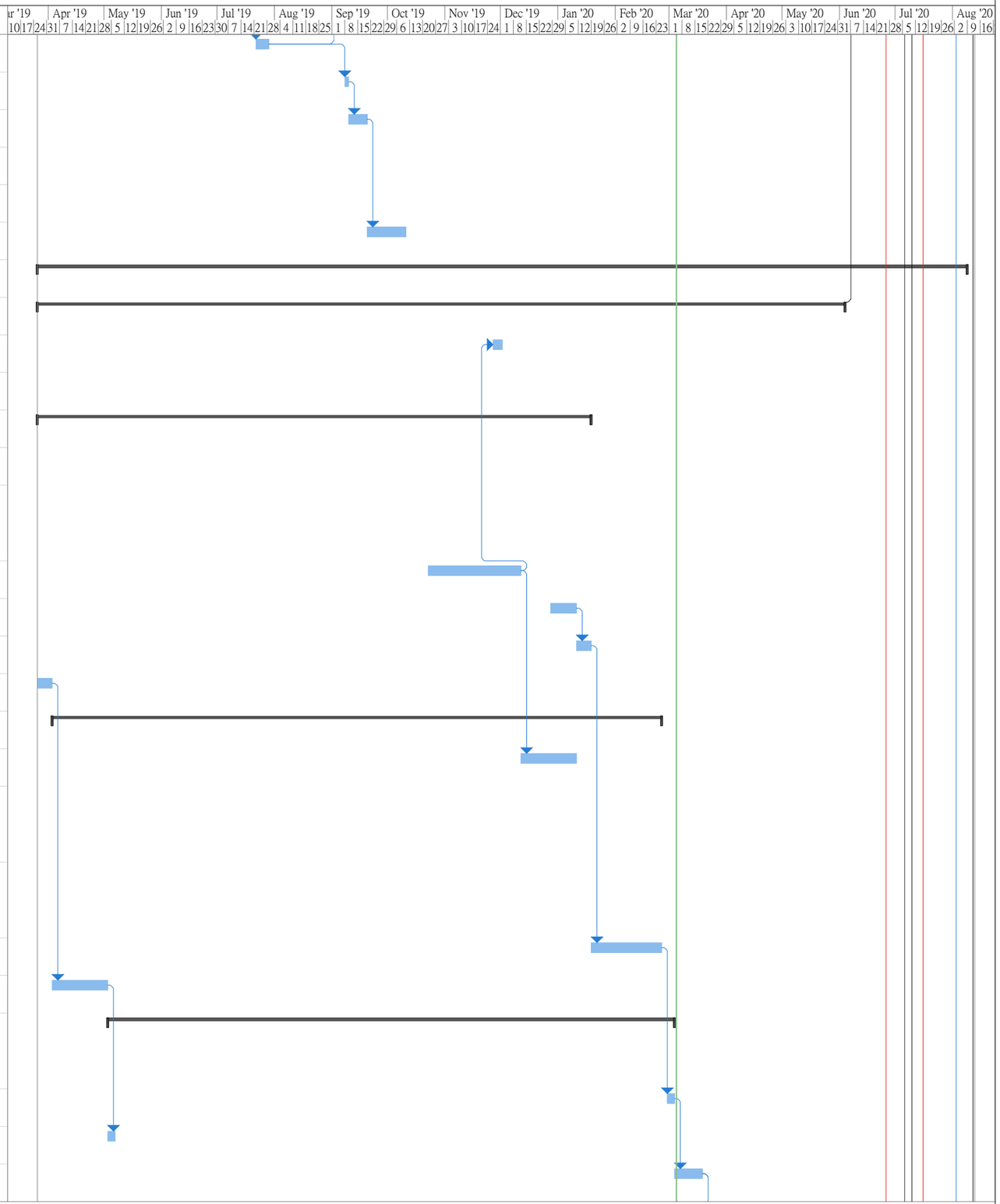
Task Milestone Summary Project Summary Critical Progress Manual Progress

ID	Task Name	Duration	Start	Finish	Predecessors
30	Comment, review by consultant and resubmission	15 days	Sat 4/5/19	Sat 18/5/19	29
31	Approval of documents	9 days	Sun 19/5/19	Mon 27/5/19	30
32	Submit & approve landscape & visual mitigation & tree preservation plan	15 days	Fri 12/4/19	Fri 26/4/19	2FS+17 days
33	Submission of as-built landscape drawings to EPD	10 days	Mon 3/8/20	Wed 12/8/20	108FS+5 days
34	**Design Issue**	**227 days**	**Wed 17/7/19**	**Fri 28/2/20**	
35	**Combined Services Drawings**	**75 days**	**Mon 16/12/19**	**Fri 28/2/20**	
36	Preparation of CSD CBWD	30 days	Mon 16/12/19	Tue 14/1/20	13FS+60 days
37	Comment and Review by Consultant	25 days	Wed 15/1/20	Sat 8/2/20	36
38	Finalization of CSD CBWD	10 days	Sun 9/2/20	Tue 18/2/20	37
39	Approval by Consultant	10 days	Wed 19/2/20	Fri 28/2/20	38
40	**Method statement of footing excavation**	**55 days**	**Sun 22/9/19**	**Fri 15/11/19**	
41	Drawings and Calculation Preparation	20 days	Sun 22/9/19	Fri 11/10/19	13FS-25 days
42	Comment and Review by Consultant	14 days	Sat 12/10/19	Fri 25/10/19	41
43	Finalization	7 days	Sat 26/10/19	Fri 1/11/19	42
44	Approval by Consultant	14 days	Sat 2/11/19	Fri 15/11/19	43
45	**BS Drawings**	**104 days**	**Fri 27/9/19**	**Wed 8/1/20**	
46	Preparation of Shop Drawings	60 days	Fri 27/9/19	Mon 25/11/19	13FS-20 days
47	Comment, review by Consultant and resubmission	30 days	Tue 26/11/19	Wed 25/12/19	46
48	Approval by Consultant	14 days	Thu 26/12/19	Wed 8/1/20	47
49	**Environmental Submission**	**192 days**	**Wed 17/7/19**	**Fri 24/1/20**	
50	Application of Water Discharge License	1 day	Wed 17/7/19	Wed 17/7/19	
51	Comment and Review by EPD	190 days	Thu 18/7/19	Thu 23/1/20	50
52	License Issue	1 day	Fri 24/1/20	Fri 24/1/20	51
53	**Site Preparation**	**191 days**	**Tue 28/5/19**	**Wed 4/12/19**	
54	Installation protection to existing trees	2 days	Tue 28/5/19	Wed 29/5/19	31
55	Set up of checkpoints	3 days	Mon 2/9/19	Wed 4/9/19	59FS+35 days
56	Submission of initial readings of checkpoints	5 days	Mon 9/9/19	Fri 13/9/19	55FS+4 days
57	Setting out of grid lines	1 day	Wed 25/9/19	Wed 25/9/19	56FS+11 days
58	**Tree felling work and transplant**	**136 days**	**Mon 22/7/19**	**Wed 4/12/19**	



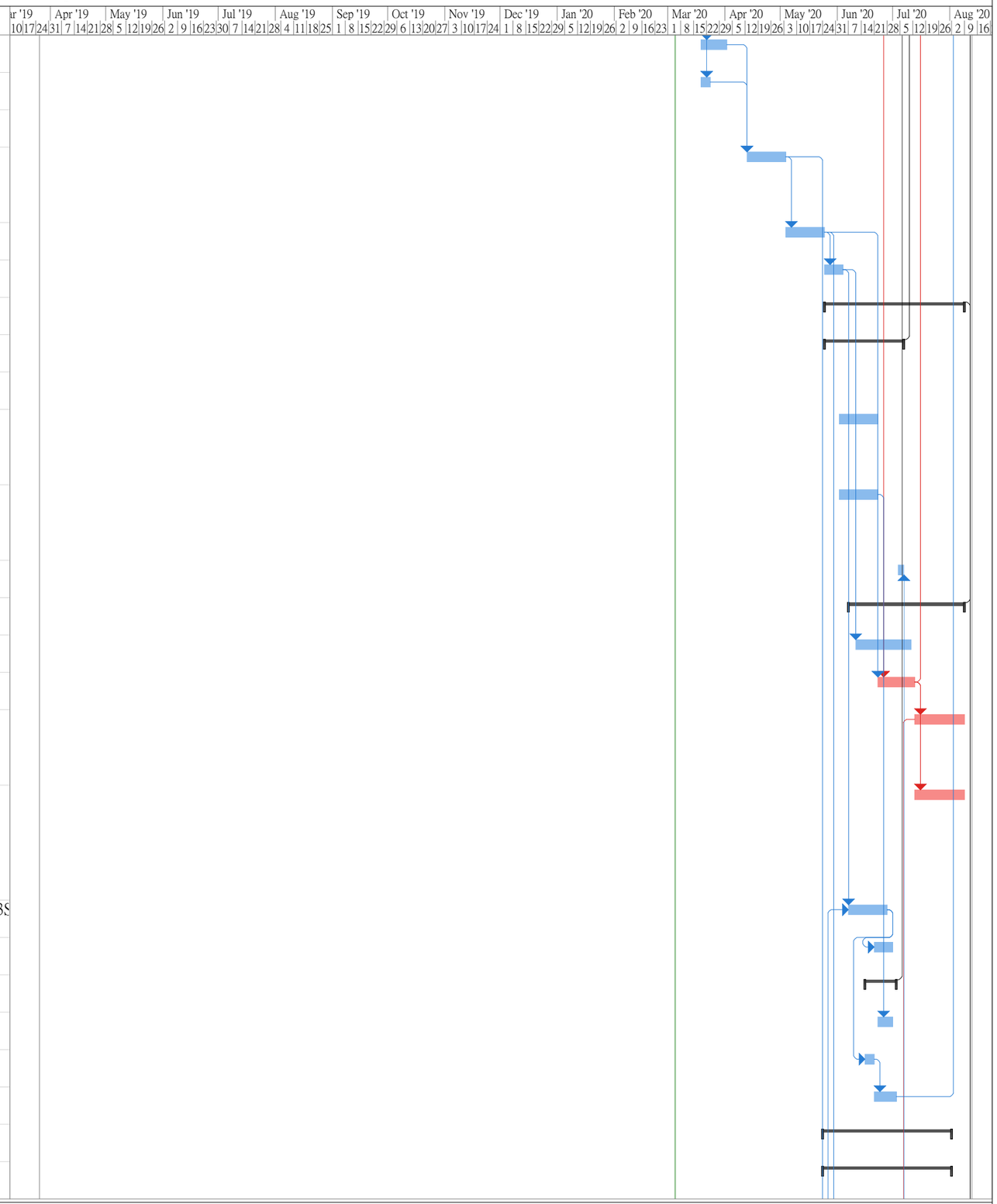
Task | Milestone | Summary | Project Summary | Critical | Progress | Manual Progress

ID	Task Name	Duration	Start	Finish	Predecessors
59	Tree felling Phase 1	7 days	Mon 22/7/19	Sun 28/7/19	54FS+53 days
60	Transplant of Aquilaria Sinensis	2 days	Sun 8/9/19	Mon 9/9/19	59FS+41 days
61	Tree felling Phase 2	10 days	Tue 10/9/19	Thu 19/9/19	60
62	TPRP approval for Phase 3 tree fell	1 day	Fri 15/11/19	Fri 15/11/19	
63	Tree felling Phase 3	16 days	Tue 19/11/19	Wed 4/12/19	62FS+3 days
64	Erection of Hoarding	21 days	Fri 20/9/19	Thu 10/10/19	61
65	**Construction Works**	**502 days**	**Tue 26/3/19**	**Sat 8/8/20**	
66	**RC Structure**	**436 days**	**Tue 26/3/19**	**Wed 3/6/20**	
67	Temporary drainage diversion	5 days	Wed 27/11/19	Sun 1/12/19	72FS-15 days
68	Existing drainage demolition	5 days	Mon 23/12/19	Fri 27/12/19	
69	**Pit excavation & shoring for footings**	**299 days**	**Tue 26/3/19**	**Sat 18/1/20**	
70	Works Suspension in Ching Ming Festival	22 days	Mon 30/9/19	Mon 21/10/19	
71	Site works resumed after Chung Yeung Feestival	1 day	Tue 22/10/19	Tue 22/10/19	70
72	Stage 1 - FT9,12-14	50 days	Wed 23/10/19	Wed 11/12/19	71
73	Cut slope at G.L.1-3/A-D	14 days	Sat 28/12/19	Fri 10/1/20	68
74	Stage 2 - FT6-8,10,11	8 days	Sat 11/1/20	Sat 18/1/20	73
75	Stage 3 - FT1-5	8 days	Tue 26/3/19	Tue 2/4/19	
76	**Construction of footings & short columns**	**329 days**	**Wed 3/4/19**	**Tue 25/2/20**	
77	FT8,9,13,14	30 days	Thu 12/12/19	Fri 10/1/20	72
78	Suspension work due to prevention of Conrona virus	5 days	Wed 29/1/20	Sun 2/2/20	
79	Disruption of Aggregates Supply for Extension-Novel Coronavirus	28 days	Tue 28/1/20	Mon 24/2/20	
80	FT6,7,10-12	38 days	Sun 19/1/20	Tue 25/2/20	74
81	FT1-5	30 days	Wed 3/4/19	Thu 2/5/19	75
82	**Backfilling of excavated pit with no fines concrete & cutting of sheetpile heads**	**306 days**	**Fri 3/5/19**	**Tue 3/3/20**	
83	FT6,7,8,9,10,11,12,13,14	4 days	Sat 29/2/20	Tue 3/3/20	80FS+3 days
84	FT1-5	4 days	Fri 3/5/19	Mon 6/5/19	81
85	B/F structure (including earth rod installation)	15 days	Wed 4/3/20	Wed 18/3/20	83



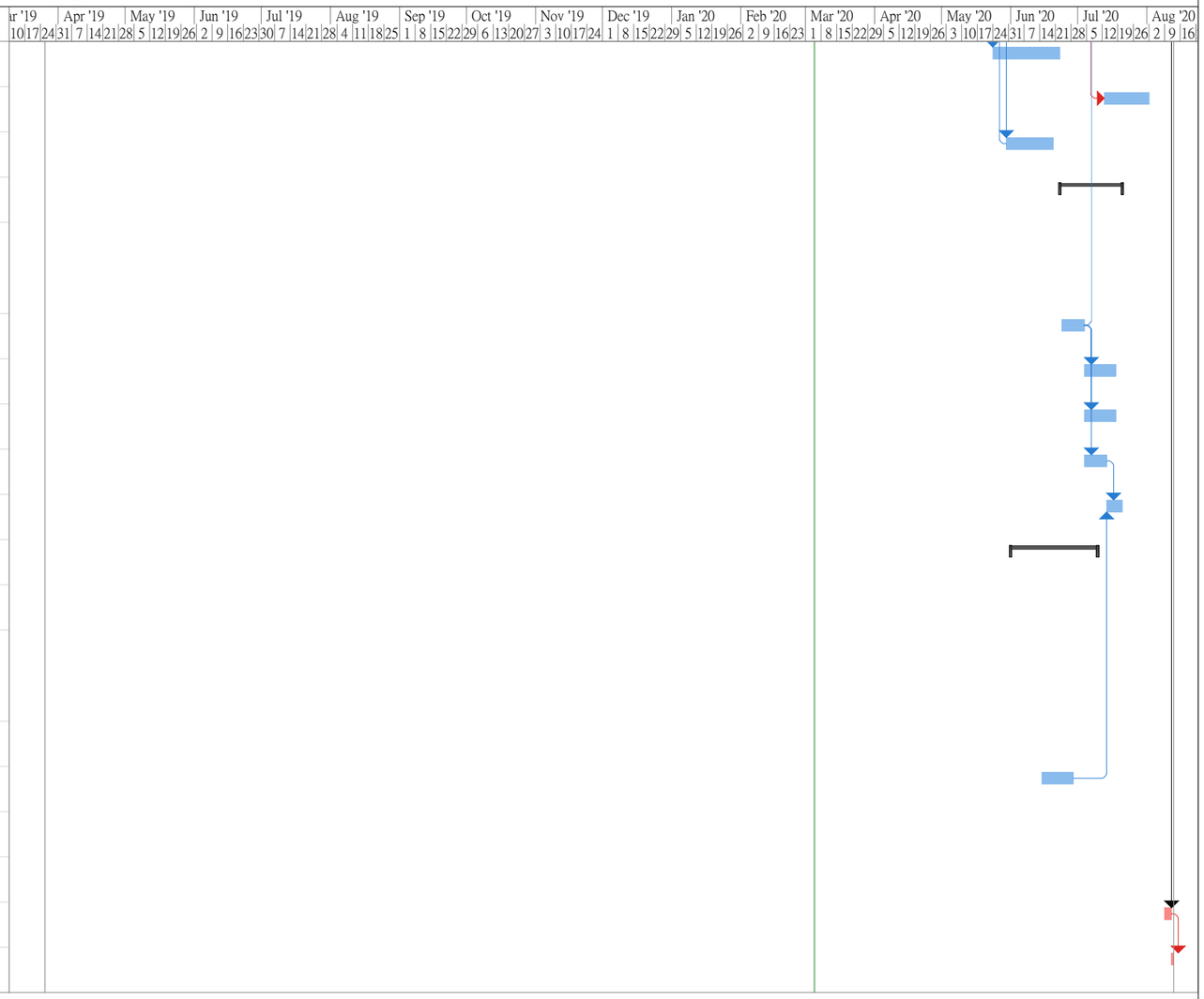
Task | Milestone | Summary | Project Summary | Critical | Progress | Manual Progress

ID	Task Name	Duration	Start	Finish	Predecessors
86	RC water tank construction on B/F	14 days	Thu 19/3/20	Wed 1/4/20	85
87	Fine trim of cut slope & shotcrete	5 days	Thu 19/3/20	Mon 23/3/20	85
88	Works Suspension in Chung Yeung Festival	9 days	Sat 4/4/20	Sun 12/4/20	
89	LG/F structure (including earthing/lightning rod installation)	21 days	Mon 13/4/20	Sun 3/5/20	86,87,88
90	UG/F structure	21 days	Mon 4/5/20	Sun 24/5/20	89
91	RC structure of niches	10 days	Mon 25/5/20	Wed 3/6/20	90
92	**Architectural Works**	**76 days**	**Mon 25/5/20**	**Sat 8/8/20**	
93	**B/F - Maintenance Platform**	**43 days**	**Mon 25/5/20**	**Mon 6/7/20**	
94	Wall plaster & floor screed	8 days	Mon 25/5/20	Mon 1/6/20	90
95	Installation of water tanks with necessary plumbing connection works	21 days	Tue 2/6/20	Mon 22/6/20	94
96	Installation of metal chainlink fence and metal railing	21 days	Tue 2/6/20	Mon 22/6/20	94
97	Floor epoxy coating	3 days	Sat 4/7/20	Mon 6/7/20	116
98	**L/G and UG/F**	**63 days**	**Sun 7/6/20**	**Sat 8/8/20**	
99	Fitting-out works for niches	30 days	Thu 11/6/20	Fri 10/7/20	91FS+7 days
100	Installation of Joss Paper Burner	20 days	Tue 23/6/20	Sun 12/7/20	26,90
101	Steel frame erection for House of Joss Paper Burner	27 days	Mon 13/7/20	Sat 8/8/20	100
102	Metal works (including GMS railing, Alum flat bar fence wall, fence, handrails, matching covers and cabinet doors, etc.)	27 days	Mon 13/7/20	Sat 8/8/20	100
103	Waterproofing, plastering and tiling Works	21 days	Sun 7/6/20	Sat 27/6/20	91FS+3 days,113S
104	Painting works	10 days	Sun 21/6/20	Tue 30/6/20	103FS-7 days
105	**Landscape Works**	**17 days**	**Tue 16/6/20**	**Thu 2/7/20**	
106	Vertical wiring system on maintenance platform	8 days	Tue 23/6/20	Tue 30/6/20	96
107	Soiling for planters	5 days	Tue 16/6/20	Sat 20/6/20	103FS-12 days
108	Planting	12 days	Sun 21/6/20	Thu 2/7/20	107
109	**Building Service Works**	**70 days**	**Sun 24/5/20**	**Sat 1/8/20**	
110	**Underground drain**	**70 days**	**Sun 24/5/20**	**Sat 1/8/20**	



Task | Milestone | Summary | Project Summary | Critical | Progress | Manual Progress

ID	Task Name	Duration	Start	Finish	Predecessors
111	Step channel at B/F	30 days	Sun 24/5/20	Mon 22/6/20	89FS+20 days
112	Surface channel frame & cover	20 days	Mon 13/7/20	Sat 1/8/20	101SS
113	Earth & Lightning pit and bonding	21 days	Sat 30/5/20	Fri 19/6/20	90FS+5 days
114	**B/F - Maintenance Platform**	**28 days**	**Tue 23/6/20**	**Mon 20/7/20**	
115	Handover of maintenance platform for BS installation	1 day	Tue 23/6/20	Tue 23/6/20	94
116	Conduit Works and Cable Wiring	10 days	Wed 24/6/20	Fri 3/7/20	115
117	Power Installation	14 days	Sat 4/7/20	Fri 17/7/20	116
118	Lighting Installation	14 days	Sat 4/7/20	Fri 17/7/20	116
119	Water Pump and Control Panel Installation	10 days	Sat 4/7/20	Mon 13/7/20	116
120	T&C	7 days	Tue 14/7/20	Mon 20/7/20	119,125
121	**L/G - Meter Kiosk**	**39 days**	**Mon 1/6/20**	**Thu 9/7/20**	
122	Laying of lead in cables	30 days	Thu 4/6/20	Fri 3/7/20	90
123	Builder's works, such as metal door & chequer plates	14 days	Mon 1/6/20	Sun 14/6/20	90FS+7 days
124	Handover of meter kiosk for BS installation	1 day	Mon 15/6/20	Mon 15/6/20	123
125	Conduit works, wiring & T/C	14 days	Mon 15/6/20	Sun 28/6/20	123
126	WR1 for CLP inspection	1 day	Mon 29/6/20	Mon 29/6/20	125
127	Power on	10 days	Tue 30/6/20	Thu 9/7/20	126
128	Final cleaning & pre-inspection	3 days	Sun 9/8/20	Tue 11/8/20	92
129	Handover inspection	1 day	Wed 12/8/20	Wed 12/8/20	128

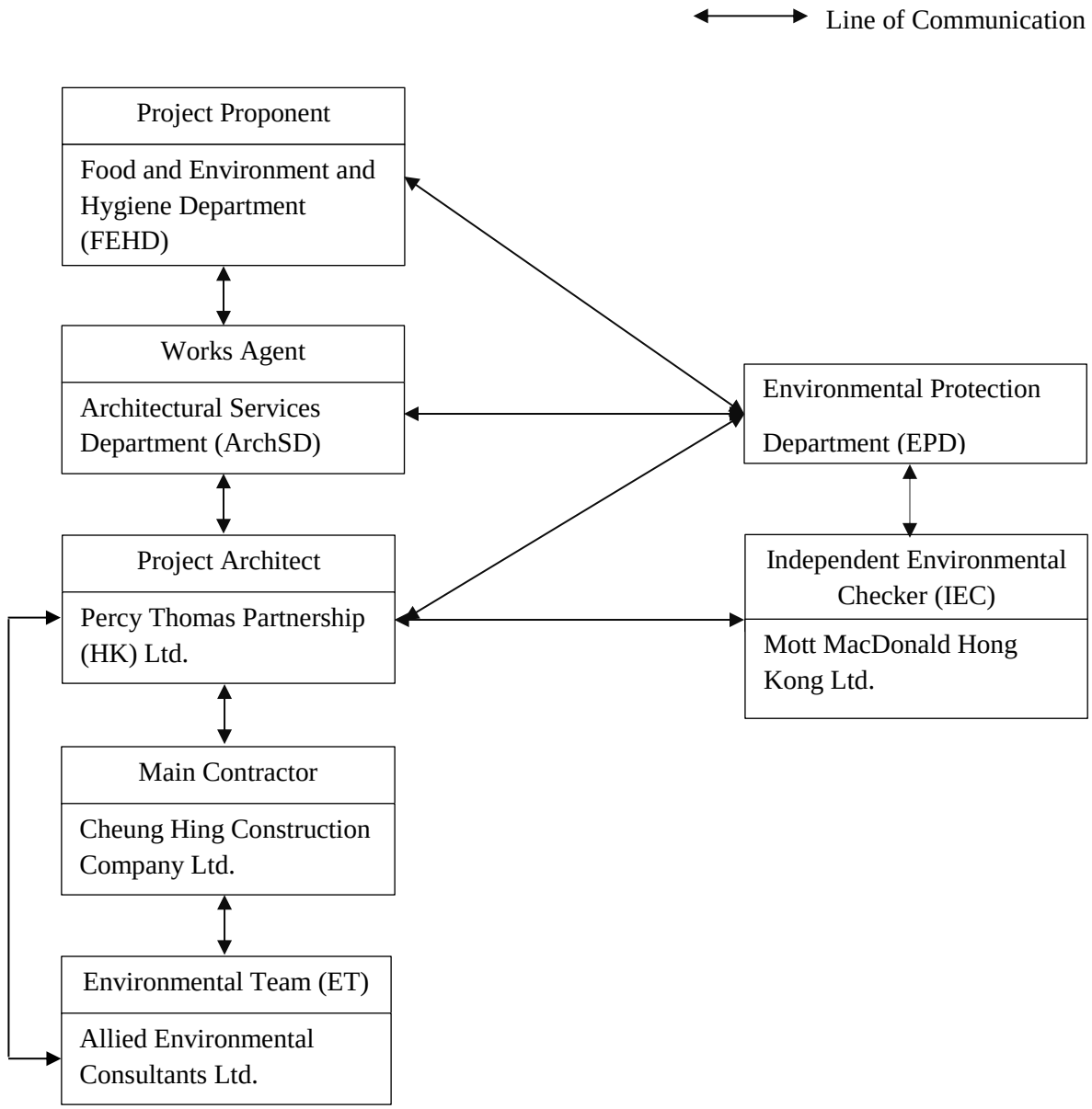


Task | Milestone | Summary | Project Summary | Critical | Progress | Manual Progress

Appendix B

Project Organization Chart

Appendix B **Project Organization Chart**



Appendix C

Implementation of Environmental Mitigation Measures

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
Air Quality Impact (Construction Phase)						
3.5.1	A1	Sufficient dust suppression measures as stipulated under the *Air Pollution Control (Construction Dust) Regulation* and good site practices should be properly implemented.	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	EIAO-TM, AQOs	✓
		a) Use of regular watering, to reduce dust emissions from exposed site surfaces and unpaved roads particularly during dry weather;				N/A
		b) Use of frequent watering of particular dusty construction areas close to ASRs;				N/A
		c) Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering should be applied to aggregate fines;				N/A
		d) Open temporary stockpiles should be avoided or covered. Prevent placing dusty material storage plies near ASRs;				N/A
		e) Tarpaulin covering of all dusty				N/A

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		vehicle loads transported to, from and between site locations; f) Establishment and use of vehicle wheel and body washing facilities at the exit point of the site; g) Imposition of speed control for vehicles on unpaved site roads. 8 km/hr is the recommended limit; h) Routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs.				N/A N/A N/A
Noise Impact (Construction Phase)						
4.7.1	N1	Good site practice listed below and the noise control requirements stated in EPD's "Recommended Pollution Control Clauses for Construction Contracts" is recommended: • Only well-maintained plant to be operated onsite and plant should be serviced regularly during construction works; • Machines and plant that may be in intermittent use to be shut down	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	EIAO-TM, NCO, EPD's "Recommended Pollution Control Clauses for Construction Contracts"	✓ ✓

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		between work periods or should be throttled down to a minimum; • Plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs; • Mobile plant should be sited as far away from NSRs as possible; and • Material stockpiles and other structures to be effectively utilized, where practicable, to screen noise from on-site construction activities.				✓ ✓ ✓
Hazard to Life (Construction Phase)						
5.16.12	H1	There are a number of measures recommended during construction stage, which include: • Sufficient number of face masks should be purchased so that the construction workers can be protected during accidental chlorine release • The number of workers on site during construction stage should be kept within the level as assessed in this report.	Works area / Entire construction stage / upon completion of construction works	Project proponent (FEHD / ArchSD) and contractor	EIAO-TM	N/A N/A

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		• FEHD/ArchSD/the responsible personnel of the construction site should keep effective communication with Police or relevant authorities to ensure a proper evacuation/emergency response in case of a gas release incident. FEHD/ArchSD/the responsible personnel of the construction site should ensure all workers on site to be familiar with the route to escape. Diagram showing the escape routes to a safe place should be posted in the site notice boards and at the entrance/exit of site.				N/A
		• Specific means of providing a rapid and direct warning (e.g. Siren and Flashing Light) to construction workers in the event of chlorine gas release in the SMBWTW should be determined and made known to the construction workers.				N/A
		• The construction site officer should establish a communication channel with the SMBWTW operation personnel during construction stage. Upon receiving the notice of an				N/A

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		external gas leak at the SMBWTW, the construction site officer should direct the workers to evacuate by following the instructions of Police or relevant authorities as appropriate. • Induction Training should be provided to any staff before working on site. • The responsible officer of the construction site should ensure all construction staff are familiar with the evacuation routes and /or location of the protective gears (if available).				N/A N/A
Water Quality (Construction Phase)						
6.8.1	W1	<u>Construction Site Runoff</u> The following measures are recommended to be implemented: • Surface run-off from construction sites should be discharged into storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sedimentation basins. Channels or earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	EIAO-TM, WQOs, ProPECC PN 1/94 Construction Site Drainage, WDO	✓

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		facilities. Perimeter channels at site boundaries should be provided on site boundaries where necessary to intercept storm run-off from outside the site so that it will not wash across the site. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks. • Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times. • Construction works should be programmed to minimize soil excavation works in rainy seasons (April to September). If excavation in soil cannot be avoided in these months or at any time of year when rainstorms are likely, for the purpose of preventing soil erosion, temporary exposed slope surfaces should be covered e.g. by tarpaulin, and temporary access				✓ ✓

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		roads should be protected by crushed stone or gravel, as excavation proceeds. Intercepting channels should be provided (e.g. along the crest / edge of excavation) to prevent storm runoff from washing across exposed soil surfaces. Arrangements should always be in place in such a way that adequate surface protection measures can be safely carried out well before the arrival of a rainstorm. • Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary. • Construction materials (e.g. aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric during rainstorms. • Manholes (including newly constructed ones) should always be				N/A N/A N/A

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.				
6.8.2	W2	General Construction Activities • Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis.	Active works areas /throughout the construction period /upon completion of all construction activities	Contractor	EIAO-TM, WQOs, ProPECC PN 1/94 Construction Site Drainage , WDO	✓
6.8.3	W3	Site Effluent There is a need to apply to EPD for a discharge licence for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge licence. All the runoff and wastewater generated from the works	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	EIAO-TM, WQOs, ProPECC PN 1/94 Construction Site Drainage , WDO	✓

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		areas should be treated so that it satisfies all the standards listed in the TM-DSS. The beneficial uses of the treated effluent for other on-site activities such as dust suppression, wheel washing and general cleaning etc., can minimise water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the sites is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO licence which is under the ambit of regional office (RO) of EPD.				
6.8.4 – 6.8.6	W4	Accidental Spillage of Chemicals Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The *Waste Disposal Ordinance (Cap 354)* (WDO) and its subsidiary regulations in particular the *Waste Disposal (Chemical Waste)* (General) Regulation, should be observed and complied with for control of chemical wastes.	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	EIAO-TM, WQOs, ProPECC PN 1/94 Construction Site Drainage , WDO	N/A

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		• Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges. • Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the WDO details the requirements to deal with chemical wastes. General requirements are given as follows: • Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport;				

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		• Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and • Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.				
6.8.7- 6.8.8	W5	<u>Sewage Arising from Workforces</u> The construction workforce on site will generate sewage. It is recommended to provide sufficient portable toilets in the works areas. Contractual desludging service should be deployed to clean the portable toilets on a regular basis. Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the surrounding environment. Regular environmental audit of the construction site will provide an effective control of any malpractices and can encourage continual improvement of	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	EIAO-TM, WQOs, ProPECC PN 1/94 Construction Site Drainage , WDO	✓ ✓ ✓

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		environmental performance on site. It is anticipated that sewage generation during the construction phase of the project would not cause water pollution problem after undertaking all required measures.				
Waste Management (Construction Phase)						
7.6.1 to 7.6.2	WM1	Good Site Practices • Appropriate waste handling, transportation and disposal methods for all waste arising generated during the construction works for the Project should be implemented Adverse impacts from waste management are not anticipated, provided that good site practices are strictly followed. Recommendations for good site practices during the construction activities include: • The contractor shall prepare a Waste Management Plan (WMP) in accordance with the requirements set out in the ETWB TC(W) 19/2005, Waste Management on Construction	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	ETWB TC(W) 19/2005, TC(W) 6/2010, WDO, Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes	✓ ✓

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		Site, for the Engineer's Representative approval.				
		• Nomination of approved personnel, such as a site manager, to be responsible for good site practices, and making arrangements for collection of all wastes generated at the site and effective disposal to an appropriate facility.				N/A
		• Training of site personnel in proper waste management and chemical waste handling procedures.				N/A
		• Provision of sufficient waste reception/ disposal points, of a suitable vermin-proof design that minimizes windblown litter.				N/A
		• Arrangement for regular collection of waste for transport off-site and final disposal.				N/A
		• Appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.				N/A

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		• Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors. • A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be proposed.				N/A N/A
7.6.3	WM2	<u>Waste Reduction Measures</u> Good management and control of construction site activities/ processes can minimise the generation of waste. Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. • Prior to disposal of C&D waste, wood, steel and other materials should be separated for reuse, recycling to minimize the quality of waste to be disposed of at landfill site. • Minimize use of wood and reuse non-timber formwork to reduce C&D waste • As far as practicable, segregate and store different types of waste in different containers, skips or	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	ETWB TC(W) 19/2005, TC(W) 6/2010, WDO, Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes	N/A N/A N/A

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		stockpiles to enhance reuse or recycling of materials and their proper disposal. • Encourage collection of aluminum cans, plastic bottles and packaging material and office paper.				N/A
7.6.4 – 7.6.7	WM3	<u>C&D Materials</u> With good site management, it can reduce overordering of C&D materials such as concrete and mortars. Alternatives such as still frameworks and plastic fencing can be considered to increase the chances for reuse. In order to minimize the potential impacts resulting from collection and transportation of C&D materials for off-site disposal, the excavated materials comprising fill materials should be reused on-site as backfilling materials or for landscaping as far as practicable to avoid disposal off-site. C&D waste, such as wood, plastic, steels and other metals should be reused or	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	ETWB TC(W) 19/2005, TC(W) 6/2010, WDO, Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes	✓

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		recycled and, as a last resort, disposal of to the Outlying Islands Transfer Facilities - Mui Wo Station. A suitable area should be designated within the site for temporary stockpiling of C&D materials and to facilitate the sorting process. In order to monitor the disposal of C&D materials at the designated public fill reception facility and landfill and to control fly-tipping, a trip ticket system should be included, with reference to Development Bureau TC(W) 6/2010 for details. The inert C&D materials to be disposed of at public fill reception facilities shall be materials only consists of brick, concrete, cement plaster, soil and inert building debris. The materials shall be free from plastics, chemical waste, industrial metals and other materials that are considered unsuitable at the facility.				
7.6.8	WM4	General Refuse General refuse should be stored in covered bins or compaction units separate from C&D materials. A reputable waste collector should be employed by the Contractor to remove general refuse	Active works areas / throughout the construction period / upon completion of all	Contractor	ETWB TC(W) 19/2005, TC(W) 6/2010, WDO, Code of Practice on the Packaging,	✓

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		from the site regularly, separately from C&D materials. An enclosed and covered area is preferred to reduce the occurrence of "wind blown" light materials. In addition, a sufficient number of covered bins shall be provided on site for containment of general refuse to prevent visual impacts and nuisance to the sensitive surrounding. The Contractor should carry out an education programme for workers in avoiding, reducing, reusing and recycling of materials generation. Posters and leaflets advising on the use of the bins should also be provided in the site as reminders.	construction activities		Labelling and Storage of Chemical Wastes	
7.6.10	WM5	Chemical Waste For disposal of chemical wastes produced at the construction site, the Contractor is required for register with the EPD as a Chemical Waste Producer and to follow the requirements stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used.	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	ETWB TC(W) 19/2005, TC(W) 6/2010, WDO, Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes	N/A

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		Appropriate labels should be securely attached on each chemical waste container indicating the chemical characteristics of the chemical waste, such as explosives, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall also use a licensed waste collector engaged to transport and dispose of the chemical wastes to the Chemical Waste Treatment Centre at Tsing Yi (CWTY) or other licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.				
Ecological Impact (Construction Phase)						
7.3.1	5.3.2	In order to avoid woodland of higher ecological value and minimize the loss of woodland / plantation, the currently proposed option has confined the new niches to be built within the existing Lai Chi Yuen Cemetery and only minimal area (about 7.5m^2) outside the cemetery boundary is required for the proposed barrier-free site access, which is indispensable for the development.	Active works areas / throughout the construction period / upon completion of all construction activities	Project proponent (FEHD / ArchSD) & Contractor	DEVB TCW No. 7/2015, EIAO-TM	N/A

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
8.7.3 to 8.7.4	E2	• Habitat loss could be minimized in the first instance by retaining existing vegetation wherever possible, particularly mature and semi-mature trees present within the works areas. • Any trees retained should be adequately protected during the construction phase to promote their health and longevity. • Areas which would be temporarily affected by construction activities should be reinstated after completing the construction works. • Hoarding or fencing should be erected around the works areas during the construction phase to restrict access to natural habitats adjacent to works areas by site workers to reduce human disturbance. • Provision of compensatory native tree and shrub planting.	Active works areas / throughout the construction period / upon completion of all construction activities	Project proponent (FEHD / ArchSD) & Contractor	DEVB TCW No. 7/2015, EIAO-TM	✓ ✓ N/A ✓ N/A

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8.7.5 to 8.7.6	E3	An individual of *Aquilaria sinensis* located within the project site would be subject to direct impacts. As such, prior to the commencement of the construction works, a vegetation survey should be conducted by a stored and collected by an approved operator for disposal at a licensed facility in accordance with the relevant regulation. qualified ecologist / botanist within the project site boundary to: • Ascertain the presence of, as well as update the conditions, number and locations of the flora species of conservation importance identified. • Determine the number and location of the affected individual of flora species of conservation importance and evaluate the suitability and / or practicality of the transplantation. A Transplantation Proposal should be prepared by a qualified ecologist / botanist with detailed findings of the vegetation survey (i.e. number and locations of the affected individuals, assessment of the suitability and or practicality of the	Active works areas / throughout the construction period /	Contractor	EVB TCW No. 7/2015, EIAO-TM	✓ ✓ ✓

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		transplantation) and locations of receptor site(s), transplantation methodology, implementation programme of transplantation, post transplantation monitoring and maintenance programme. The proposal should be submitted to and approved by AFCD prior to commencement of any works (including ground investigation). The approved transplantation works should be carried out before the commencement of construction works and should be supervised by a qualified botanist / horticulturist / Certified Arborist with relevant experience in transplanting flora species of conservation importance.				✓
8.7.8 to 8.7.12	E4	Construction dust should be suppressed to avoid and minimize the dust covering leaves of plants that would affect their photosynthesis, and thus their health and growth: • Regular watering, to reduce dust emissions from exposed site surfaces and unpaved roads.	Active works areas / throughout the construction period / upon completion of all construction activities	Contractor	EIAO-TM	N/A

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		• Proper storage of construction materials. • Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. • Noise impact during construction phase should be avoided and minimized to reduce the disturbance to the habitats adjacent to the works areas: • Machines and plant (e.g. trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum. • Machines and plants known to emit strong directional noise should, wherever possible, be orientated so that the noise is directed away from the nearby habitats. • Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.				N/A N/A N/A N/A N/A N/A

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		With reference to ETWB TCW No. 5/2005 on "Protection of natural streams/ rivers from adverse impacts arising from construction works" and good site practices, the following good site practices/water control measures should be adopted to minimize any pollution entering the watercourse nearby: • General refuse and construction wastes should be collected and disposed of in a timely and appropriate manner. • Drainage arrangements should include sediment traps to collect and control construction run-off. • All works and storage area should be restricted to the site boundary. • Covering of any exposed soil or other loose materials with tarpaulins to prevent erosion. • Exposed soil to be covered as quickly as possible following formation works, then seeded and covered with a biodegradable geotextile blanket for erosion control purposes.				N/A ✓ N/A N/A N/A

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		• A temporary sewage treatment system or portable chemical toilets should be designed and installed to collect wastewater and prevent it from entering nearby habitats.				N/A
		• The proposed works site inside or in the proximity of nearby habitats should be temporarily isolated, such as by placing of sandbags or silt curtains with a lead edge at the bottom and properly supported props, to prevent adverse impacts on these areas.				N/A
		• Other protective measures should also be taken to ensure that no pollution or siltation occurs in the water gathering grounds of the works site.				N/A
		• Construction debris and spoil should be covered up and/or properly disposed of as soon as possible to avoid being washed into nearby habitats by rain.				N/A
		• Contractors should adhere to a strict "clean site" policy, with all construction waste transported to predetermined sites for safe disposal.				✓

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		Under no circumstances should there be any disposal of waste oil or other materials on site. • Vehicles and other plant should be carefully maintained and properly used to minimise the chance for accidental spillage.				N/A
		Prior to the commencement of any works, the appointed Contractor / Construction Manager should conduct a formal briefing to the workforce to reinforce the message that the works are being conducted within Lantau South Country Park adjacent to environmentally sensitive areas. Workers should also be informed about the locations of any identified rare/ protected plant species adjacent to the project site, concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling.				N/A
		The workforce should be reminded of the need for environmental diligence throughout the duration of works, and in particular to avoid littering, improper				N/A

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		disposal of construction waste, avoid unnecessarily damage to vegetation or cause noise or visual disturbance during the works.				
Landscape and Visual Impact (Construction Phase)						
Table 9.3	LV1	CM1 Preservation of Existing Vegetation All the existing trees to be retained within the site and not to be affected by the Project shall be carefully protected during construction accordance with DEVB TCW No. 7/2015 - Tree Preservation and the latest Guidelines on Tree Preservation during Development issued by GLTM Section of DevB. Any existing vegetation on existing man-made slope and natural terrain not to be affected by the Project shall be carefully preserved.	Active works areas / throughout the construction period / upon completion of all construction activities	Project proponent (FEHD / ArchSD) & Contractor	EIAO-TM, DEVB TCW No. 7/2015	✓

EIA Ref.	EM&A Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Agent	Relevant Legislation and Guidelines	Implementation Status (✓ – Compliance; Rem – Reminder; Obs – Observation; N/C – Non Compliance; N/A – Not Applicable)
		CM2 Compensatory Tree Planting Any trees to be felled under the Project shall be compensated in accordance with DEVB TCW No. 7/2015 - Tree Preservation. Native species will be proposed.				N/A
		CM3 Control of Night-time Lighting Glare Any lighting provision of the construction works at night shall be carefully control to prevent light overspill to the nearby VSRs and into the sky.				N/A
		CM4 Erection of Screen Hoarding in Visually Unobtrusive Colour Screen hoarding in visually unobtrusive colour, which is compatible with the surrounding settings, shall be erected during construction to minimize the potential landscape and visual impacts				N/A

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		due to the construction works and activities. <u>CM5 Management of Construction Activities and Facilities</u> The facilities and activities at works sites and areas, which include site office, temporary storage areas, temporary works etc., shall be carefully managed and controlled on the height, deposition and arrangement to minimize any potential adverse landscape and visual impacts. <u>CM6 Reinstatement of Temporarily Disturbed Landscape Areas</u> All hard and soft landscape areas disturbed temporarily during construction due to temporary excavations, temporary works sites and works areas shall be reinstated to equal or better quality, to the satisfaction of the relevant Government Departments.				✓ N/A

Appendix D

Waste Flow Table

APPENDIX D – WASTE FLOW TABLE

Monthly Summary Waste Flow Table for February 2022

(All quantities shall be rounded off to 3 decimal places.)

Month	Actual Quantities of Inert C&D Waste Generated Monthly						Actual Quantities of C&D Waste Generated Monthly				
	(a)=(b)+(c)+(d)+(e) Total Quantity Generated	(b) Hard Rock and Large Broken Concrete	(c) Reused in the Contract	(d) Reused in other Projects	(e) Disposed of as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	General Refuse disposed of at Landfill
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
Jan-22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Feb-22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mar-22	-	-	-	-	-	-	-	-	-	-	-
Apr-22	-	-	-	-	-	-	-	-	-	-	-
May-22	-	-	-	-	-	-	-	-	-	-	-
Jun-22	-	-	-	-	-	-	-	-	-	-	-
Sub-total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jul-22	-	-	-	-	-	-	-	-	-	-	-
Aug-22	-	-	-	-	-	-	-	-	-	-	-
Sep-22	-	-	-	-	-	-	-	-	-	-	-
Oct-22	-	-	-	-	-	-	-	-	-	-	-
Nov-22	-	-	-	-	-	-	-	-	-	-	-
Dec-22	-	-	-	-	-	-	-	-	-	-	-
Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Appendix E

Complaints, Notifications of Summons and Successful Prosecutions

Appendix E –Complaints, Notifications of Summons and Successful Prosecutions

Complaints

Log Ref.	Location	Received Date	Details of Complaint	Investigation/Mitigation Action	Status
-	-	-	-	-	-

Notifications of Summons

Log Ref.	Location	Received Date	Details of Notifications of Summons	Investigation/Mitigation Action	Status
-	-	-	-	-	-

Successful Prosecutions

Log Ref.	Location	Received Date	Details of Successful Prosecutions	Investigation/Mitigation Action	Status
-	-	-	-	-	-