



AUES JOB No.: TCS01230/21

TUEN MUN - CHEK LAP KOK LINK
CONTRACT NO. HY/2021/13–
PROVISION OF REMAINING COMPENSATION TREE
PLANTING FOR THE TUEN MUN – CHEK LAP KOK
LINK PROJECT

5TH MONTHLY ENVIRONMENTAL MONITORING AND
AUDIT (EM&A) REPORT– OCTOBER 2022

PREPARED FOR
WING HO YUEN LANDSCAPING CO., LTD

Date	Reference No.	Prepared By	Certified By
17 November 2022	TCS01230/21/600/R0043v1	 Martin Li (Environmental Consultant)	 Ben Tam (Environmental Team Leader)

Version	Date	Remarks
1	17 November 2022	First Submission

Our Ref: TCS01230/21/300/L0045

AECOM
8/F Grand Central Plaza
Tower 2, 138 Shatin Rural Committee Road
Shatin

Attn: Mr. K P Wong

22 November 2022

By Email

Dear Sir,

Re: Contract No. HY/2021/13
Provision of Remaining Compensation Tree Planting for the Tuen Mun – Chek Lap Kok Link Project
Environmental Permit No.: EP-354/2009/D
5th Monthly Environmental Monitoring and Audit (EM&A) Report – October 2022

We write to certify the 5th Monthly Environmental Monitoring and Audit (EM&A) Report –October 2022 (TCS01230/21/600/R0043v1) in accordance with Condition 4.4 of the Environmental Permit no. EP-354/2009/D.

Should you have any queries or require further information, please feel free to contact us or the undersigned at Tel: 2959-6059 or Fax: 2959-6079.

Yours sincerely,
For and on Behalf of
Action-United Environmental Services & Consulting (AUES)



Ben Tam
Environmental Team Leader

c.c. ANewR (IEC) Mr. James Choi By email
Wing Ho Yuen Landscaping Co., Ltd Mr. Joe Fung By email
(Contractor)



Highways Department
5th Floor, Ho Man Tin Government Offices
88 Chung Hau Street
Ho Man Tin
Kowloon

Your reference:

Our reference: HKHYD203/50/108378

Date: 18 November 2022

Attention: Mr Tony Wong

BY EMAIL & POST
(email: e20.mwsd@hyd.gov.hk)

Dear Sirs

Agreement No. HMWSD 6/2022 (EP)
Environmental Project Office for the Hong Kong-Zhuhai-Macao Bridge
Hong Kong Link Road, Hong Kong-Zhuhai-Macao Bridge Hong Kong
Boundary Crossing Facilities & Tuen Mun-Chek Lap Kok Link – Investigation

Contract No. HY/2021/13
Provision of Remaining Compensation Tree Planting for the Tuen Mun-Chek Lap Kok Link Project
Monthly Environmental Monitoring and Audit Report – October 2022

We refer to email of 17 November 2022 attaching a Monthly Environmental Monitoring and Audit Report – October 2022 prepared by the Environmental Team (ET) of the captioned.

We have no comment and hereby verified the Monthly Environmental Monitoring & Audit Report for October 2022 in accordance with Clause 4.4 of the Environmental Permit no. EP-352/2009/D and Clause 5.4 of the Environmental Permit no. EP-353/2009/K.

Should you have any queries, please do not hesitate to contact the undersigned or our Mr Macavity Yau on 2618 2831.

Yours faithfully
ANEWR CONSULTING LIMITED

James Choi
Independent Environmental Checker

CPSJ/LCCR/YCFM/lsm

cc Highway Department – Mr Eric Wong (Fax no.: 3188 6614)
Highway Department – Mr Nick Li (Fax no.: 3188 6614)
Highway Department – Mr Vincent Li (Fax no.: 3188 6614)
AECOM – Mr K P Wong (Fax no.: 2218 7399)
AEUS – Mr Ben Tam (Fax no.: 2959 6079)

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ISO 9001:2015
Certificate No.: CC 3988

EXECUTIVE SUMMARY

ES01 This is the 5th Monthly EM&A Report presenting the monitoring results and inspection findings for the period from **1 to 31 October 2022** (hereinafter ‘the Reporting Period’).

SUMMARY OF EM&A ACTIVITIES FOR THE REPORTING PERIOD

ES02 The EM&A activities conducted in the Reporting Period are summary in below:-

- Environmental Site Inspection – **4 events**
- Landscape & Visual Monitoring – **4 events**

ES03 According to the approved Landscape and Visual plan, the planting works under the contract was commended on 21 June 2022.

SITE INSPECTION

ES04 In the Reporting Period, joint site inspection by the RE, ET and the Contractor was carried out on **7th, 14th, 21st and 28th October 2022** and the IEC has attended the joint site inspection on **28th October 2022**. No non-compliance and observation was recorded during the site inspection.

ENVIRONMENTAL COMPLAINT

ES05 In the Reporting Period, no environmental complaint was received.

ES06 The statistical summary of environmental complaints is summarized in the following table.

Reporting Period	Environmental Complaint Statistics	
	Frequency	Cumulative
Since the Contract commencement	0	0
October 2022	0	0

NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

ES07 No environmental summons or successful prosecutions were recorded in the Reporting Period.

REPORTING CHANGE

ES08 No reporting changes were made in the Reporting Period.

FUTURE KEY ISSUES

ES09 During dry season, air quality mitigation measures such as watering of site area for at least 12 times per day and covering of exposed slopes should be fully implemented to reduce construction dust impact as recommended in the EMIS.

ES10 Moreover, muddy water or other water pollutants from site surface runoff into the public areas will be key environment issue. Special attention should be paid on the water quality mitigation measures to prevent surface runoff flow to public area.

ES11 It was reminded that good housekeeping practice should be maintained. Mosquito control measures should be properly implemented to prevent mosquito breeding on site especially after rain.

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1 INTRODUCTION

1.1 PROJECT BACKGROUND

1.1.1 According to the findings of the Northwest New Territories (NWNT) Traffic and Infrastructure Review conducted by the Transport Department, Tuen Mun Road, Ting Kau Bridge, Lantau Link and North Lantau Highway would be operating beyond capacity after 2016. This forecast has been based on the estimated increase in cross boundary traffic, developments in the Northwest New Territories (NWNT), and possible developments in North Lantau, including the Airport developments, the Lantau Logistics Park (LLP) and the Hong Kong – Zhuhai – Macao Bridge (HZMB). In order to cope with the anticipated traffic demand, two new road sections between NWNT and North Lantau – Tuen Mun – Chek Lap Kok Link (TM-CLKL) and Tuen Mun Western Bypass (TMWB) are proposed.

1.1.2 According to the requirements of the EIA Report, the TM-CLKL Project shall carry out landscape softworks including planting of 6300 trees within the project limits, amongst others. On completion of the planting works by the three other contracts, 5353 trees were accommodated within the project limits. The Landscape and Visual Plan (LVP) later prepared for this Project recommended the compensatory planting of remaining trees at locations outside the limits of the TM-CLKL Project.

1.1.3 Wing Ho Yuen Landscaping Co., Ltd (hereafter “WHY”) is commissioned by the Highways Department (HyD) as the Main Contractor of the Contract No. HY/2021/13 –Provision of Remaining Compensation Tree Planting for the Tuen Mun – Chek Lap Kok Link Project ((hereafter “the Contract”) and this Contract is part of the Tuen Mun – Chek Lap Kok Link (TM-CLK Link Project).TM-CLK Link Project is a Designated Project under Environmental Permit number EP-354/2009/D issued on 13 March 2015. The layout Plan of the Project and the Contract are showed in [Appendix A and B](#) respectively.

1.1.4 The planting works for the Contract No. HY/2021/13 was commenced on 21 June 2022.

1.1.5 The construction works of the Contract mainly include:-
a. Provision of Remaining Compensation Tree Planting at Tuen Mun and Lantau Island Area fulfil the quantity of compensation tree stated in the approved EIA Report.

1.1.6 This is 5th monthly EM&A report presenting the inspection findings for period from **1 to 31 October 2022**.

1.2 REPORT STRUCTURE

1.2.1 The Monthly Environmental Monitoring and Audit (EM&A) Report is structured into the following sections:-

Section 1 Introduction

Section 2 Contract Organization and Construction Progress and Environmental Submissions

Section 3 Summary of Environmental Requirements under the Contract

Section 4 Landscape and Visual

Section 5 Waste Management

Section 6 Inspections and Audit

Section 7 Environmental Complaints and Non-Compliance

Section 8 Implementation Status of Mitigation Measures

Section 9 Conclusions and Recommendations

2 CONTRACT ORGANIZATION AND CONSTRUCTION PROGRESS AND ENVIRONMENTAL SUBMISSIONS

2.1 CONTRACT ORGANIZATION

2.1.1 The Contract organization and contact details of key personnel are shown in [Appendix C](#).

2.2 CONSTRUCTION PROGRESS

2.2.1 In the Reporting Period, the major construction activity conducted under the Contract is summarized in below. The three-months rolling programme of the Contract is enclosed in [Appendix D](#).

- Tree Planting Works at Slope 6SW-A/F25 Tseng Choi Street
- Tree Planting Works at Slope 6NW-C/F153 Tuen Fu Road
- Tree Planting Works at Slope 9SE-B/F56 Shun Tung Road
- Tree Planting Works at Slope 9SE-B/F74 Tat Tung Road
- Tree Planting Works at Slope 10NE-C/F6 Magic Road
- Tree Planting Works at Slope 10NW-D/F93 Magic Road

2.3 SUMMARY OF ENVIRONMENTAL SUBMISSIONS

2.3.1 The environmental submissions under the EP requirement had been submitted to the EPD and they are listed in below:

- Landscape and Visual Plan
- Waste Management Plan

2.3.2 Summary of environmental permits, licenses and notifications for the Contract is presented in [Table 2-1](#).

Table 2-1 Status of Environmental Licenses and Permits of the Contract

No.	Type of Permit/ License	Reference/ License No.	Date of Issue	Date of Expiry
1	Air pollution Control (Construction Dust) Regulation	Nil	NA	NA
2	Chemical Waste Producer Registration - Waste Producers Number	Nil	NA	NA
3	Water Pollution Control Ordinance -Variation of Effluent Discharge License	Nil	NA	NA
4	Waste Disposal Regulation - Billing Account for Disposal of Construction Waste	7042684	24 December 2021	Nil

3 SUMMARY OF IMPACT ENVIRONMENTAL REQUIREMENTS UNDER THE CONTRACT

3.1 GENERAL

3.1.1 The major construction activities under the Contract are land-based and no marine work will be involved. In accordance with the Project EM&A Manual requirements, the environmental aspects under the Contract shall be included landscape and visual, site inspection during construction period. In addition, audit of the contractor's implementation of the air quality, construction noise and land-based water quality pollution control measures are also required for the Contract.

3.1.2 A summary of construction phase EM&A requirements are presented in the sub-sections below.

3.2 ENVIRONMENTAL ASPECTS

Air

3.2.1 Considering that the construction activities under the Works Contract shall be a small scale works in a short period of time. If properly dust mitigation measures are implemented, significant air quality impact generated from construction activities of the Works Contract is not anticipated. Therefore, no monitoring is required for the Contract.

3.2.2 Regular site inspections and audits will be carried out during the construction phase in order to confirm compliance with the regulatory requirements and conformity of the Contractor with regard to air quality control and contract conditions.

Noise

3.2.3 Considering that the construction activities under the Works Contract shall be a small scale works in a short period of time and no PME will be used during the planting works. If properly noise mitigation measures are implemented, significant noise impact generated from construction activities of the Works Contract is not anticipated. Therefore, no monitoring is required for the Contract.

3.2.4 Regular site inspections and audits will be carried out during the construction phase in order to confirm the construction works under the Contract comply with the regulatory noise requirements.

Water Quality

3.2.5 No marine works will be undertaken under the Contract. Therefore, no water quality monitoring is required for the construction phase of the Contract.

Ecology

3.2.6 No marine works will be undertaken under the Contract and generated marine ecological impact, no dolphin monitoring is required for the construction phase of the Contract.

3.2.7 According to the scope of works under the Contract, no identified ecology aspect was related to the Contract, therefore no land base ecology monitoring and mitigation measure would be required.

Landscape and Visual

3.2.8 Measures to mitigate landscape and visual impact during construction should be checked and monitored to ensure compliance with the intended aims of the mitigation measures in accordance with the EM&A Manual.

Cultural Heritage

- 3.2.9 According to the works area under the Contract, no cultural heritage zone is located. Therefore, no specific EM&A requirement for construction phase was identified.

Landfill Gas

- 3.2.10 According to work scope of the Contract, there is no works area lies within the 250m Consultation Zone around the closed Pillar Point Valley Landfill. Therefore, no landfill gas monitoring is required for the Contract.

4 LANDSCAPE AND VISUAL

4.1 GENERAL

4.1.1 According to EM&A Manual requirements, monitoring of Contractor's operations during construction period to report on Contractor's compliance should be carried out on weekly basis. Measure to mitigate landscape and visual impact during construction should be checked and monitored by a Registered Landscape Architect to ensure compliance with the intended aims of the mitigation measures. Moreover, the progress of the engineering works shall be regularly reviewed on site to identify the earliest practical opportunities for the landscape works to be undertaken.

4.2 LANDSCAPE AND VISUAL INSPECTION

4.2.1 The planting works under the contract was commenced on 21 June 2022. According to the approved landscape and visual plan, the planting areas under the Contract are summarized in [Table 4-1](#) and the layout plan for the planting zone is illustrated in [Appendix E](#).

Table 4-1 Details of Provision of Remaining Compensation Tree Planting Works Areas

Works Area	Location	Proposed Use
Tuen Mun		
Portion A1	Slope 6NW-C/F 153	Works area for compensation tree planting
Portion A2	Slope 6SW-A/F 25	
Portion A3	Slope 5SE-B/F 89 Slope 5SE-B/F 70	
Portion A4	Slope 5SE-D/F 73	
Portion A5	Slope 6SW-C/FR 200	
Portion A6	Slope 6SW-C/F 233 Slope 6SW-D/FR 279	
Portion A7	Slope 6SW-D/FR 320	
Lantau		
Portion B	Slope 9SE-B/F 35 Slope 9SE-B/F 56 Slope 9SE-B/F 74	Works area for compensation tree planting
Portion C	Slope 10NW-D/F 86 Slope 10NW-D/F 88 Slope 10NW-D/FR 89 Slope 10NW-D/FR 90 Slope 10NW-D/F 93 Slope 10NE-C/F 4 Slope 10NE-C/F 5 Slope 10NE-C/F 6	Works area for compensation tree planting
Portion D	Southern Landfall	No additional tree planting works in this area, respond to maintenance the existing planting area from the Contract HY/2012/07 & HY/2017/10

4.2.2 In the Reporting Period, site inspection for landscape and visual mitigation measures were undertaken on **7th, 14th, 21st and 28th October 2022** by the Registered Landscape Architect. The detailed inspection checklists were provided in [Appendix F](#).

4.2.3 In the event of non-compliance the responsibilities of the relevant parties is detailed in the Event/ Action Plan in [Appendix G](#).

5 WASTE MANAGEMENT

5.1 GENERAL WASTE MANAGEMENT

5.1.1 Waste management was carried out by an on-site Environmental Officer or an Environmental Supervisor from time to time. The effective management of waste arising during the construction phase will be monitored through the site audit programme. The aims of the waste audit are:

- to ensure the waste arising from the works are handled, stored, collected, transferred and disposed of in an environmentally acceptable manner; and
- to encourage the reuse and recycling of material.

5.1.2 In addition to the site inspections, the ET shall review the documentation procedures prepared by the Waste Coordinator once a week to ensure proper records are being maintained and procedures undertaken in accordance with the Waste Management Plan.

5.2 RECORDS OF WASTE QUANTITIES

5.2.1 All types of waste arising from the construction work are classified into the following:

- Construction & Demolition (C&D) Material;
- Chemical Waste;
- General Refuse; and
- Excavated Soil.

5.2.2 The quantities of wastes generated under the Contract in this Reporting Period are summarized in [Tables 5-1](#) and [5-2](#) and the Monthly Summary Waste Flow Table is shown in [Appendix H](#). Whenever possible, materials were reused on-site as far as practicable.

Table 5-1 Summary of Quantities of Inert C&D Materials

Type of Waste	Quantity	Disposal Location
Reused in this Contract (Inert) (^000m ³)	0.000	-
Reused in other Projects (Inert) (^000m ³)	0.000	-
Disposal as Public Fill (Inert) (^000m ³)	0.000	Tuen Mun Area 38

Table 5-2 Summary of Quantities of C&D Wastes

Type of Waste	Quantity	Disposal Location
Recycled Metal (^000kg)	0	-
Recycled Paper / Cardboard Packaging (^000kg)	0	-
Recycled Plastic (^000kg)	0	-
Chemical Wastes (^000kg)	0	-
General Refuses (^000m ³)	0	-

6 INSPECTION AND AUDIT

6.1 SITE INSPECTION

6.1.1 According to the approved EM&A Manual, the environmental site inspection shall be formulated by ET Leader on weekly basis to confirm the environmental performance of the construction site.

Findings / Deficiencies During Reporting Period

6.1.2 In the Reporting Period, joint site inspections to evaluate site environmental performance were carried out by the RE, ET and the Contractor on **7th, 14th, 21st and 28th October 2022**. No non-compliance and observation were recorded during site inspection. Moreover, ENPO/IEC has attended joint site inspection on **28th October 2022**.

6.1.3 The findings / deficiencies observed during the weekly site inspection in the Reporting Period are listed in **Table 6-1**.

Table 6-1 Site Observations for the Contract

Date	Findings / Deficiencies	Follow-Up Status
7 October 2022	• Nil	• NA
14 October 2022	• Nil	• NA
21 October 2022	• Nil	• NA
28 October 2022	• Nil	• NA

6.1.4 No outstanding deficiency remained to be rectified in previous Reporting Period which presented in **Table 6-2**.

Table 6-2 Outstanding Items in Site Inspection of previous Reporting Period

Date	Findings / Deficiencies	Follow-Up Status
--	• NA	• NA

6.1.5 Air quality mitigation measures such as watering of site area for at least 12 times per day and covering of exposed slopes should be implemented during the construction period to reduce construction dust impact as recommended in the EMIS.

6.1.6 Good site practice for daily housekeeping is reminded. In addition, stagnant water should be removed as soon as possible after rain to prevent mosquito breeding on site.

6.1.7 Moreover, muddy water or other water pollutants from site surface runoff shall not be discharged into public areas. Water quality mitigation measures to prevent surface runoff into the public areas should be paid on special attention.

7 ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE

7.1 ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION

7.1.1 In the Reporting Period, no environmental complaint, summons and prosecution under the EM&A Programme was lodged.

7.1.2 The statistical summary table of environmental complaint, summons and prosecution are presented in [Tables 7-1, 7-2 and 7-3](#) and the cumulative statistics of complaint, summons and prosecution are illustrated in [Appendix J](#).

Table 7-1 Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics					
	Frequency	Cumulative	Complaint Nature			
			Air	Noise	Water	Others
October 2022	0	0	NA	NA	NA	NA

Table 7-2 Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics				
	Frequency	Cumulative	Complaint Nature		
			Air	Noise	Water
October 2022	0	0	NA	NA	NA

Table 7-3 Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics				
	Frequency	Cumulative	Complaint Nature		
			Air	Noise	Water
October 2022	0	0	NA	NA	NA

7.1.3 In the Reporting Period, no warning letter related to environmental issue was received from the EPD or HyD.

8 IMPLEMENTATION STATUS OF MITIGATION MEASURES

8.1 GENERAL REQUIREMENTS

- 8.1.1 The environmental mitigation measures that recommended in the Environmental Mitigation and Enhancement Measures Implementation Schedule (EMIS) for in the Project EM&A Manual covered the issues of air quality, cultural heritage, ecology, landfill gas hazard, landscape & visual, noise, water and waste. The EMIS for the Contract is shown in [Appendix I](#).
- 8.1.2 The Contractor shall implement the required environmental mitigation measures according to the EM&A Manual as subject to the site condition. The environmental mitigation measures implemented by the Contractor in this Reporting Period are summarized in [Table 8-1](#) and [Appendix I](#).

Table 8-1 Environmental Mitigation Measures

Issues	Environmental Mitigation Measures
Air Quality	<ul style="list-style-type: none"> Sprayed water for exposed area During transportation by truck, materials loaded lower than the side and tail boards, and covered before transport Compacted all soil stockpiles
Water Quality	<ul style="list-style-type: none"> Measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system. Open stockpiles of construction materials (e.g. planting soil) on site should be covered with tarpaulin or similar fabric during rainstorms.
Noise	<ul style="list-style-type: none"> No operation of powered mechanical equipment is allowed during restricted hours from 19:00 to 07:00 on the following day and whole day during Sunday and public holiday without construction noise permit (CNP) Keep good maintenance of plants Shut down the plants when not in use
Landscape and Visual	<ul style="list-style-type: none"> Existing trees on boundary of the Project Area shall be carefully protected during construction. Recycle/Reuse all felled trees and vegetation Compensatory tree planting shall be provided to the satisfaction of relevant Government departments.
Waste and Chemical Management	<ul style="list-style-type: none"> On-site sorting prior to disposal Follow requirements and procedures of the “Trip-ticket System” Stockpiled material shall be covered by tarpaulin
General	<ul style="list-style-type: none"> The site was generally kept tidy and clean.

8.2 TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH

- 8.2.1 Construction activities as undertaken in the coming month for the Contract lists below:
- Tree planting works at Tuen Mun Area.
 - Tree planting works at Lantau Island Area

8.3 KEY ENVIRONMENTAL ISSUES FOR THE COMING MONTH

8.3.1 Key environmental issues to be considered in the coming month include:

- Implementation of dust suppression measures at all times;
- Potential wastewater quality impact due to surface runoff;
- Potential fugitive dust impact due to the dry/loose/exposure soil surface/dusty material;
- Ensure dust suppression measures are implemented properly;
- Sediment catch-pits and silt removal facilities should be regularly maintained;
- Protection of existing trees inside the works area
- Follow-up of improvement on general waste management issues; and
- Implementation of construction noise preventative control measures

9 CONCLUSIONS AND RECOMMENDATIONS

9.1 CONCLUSIONS

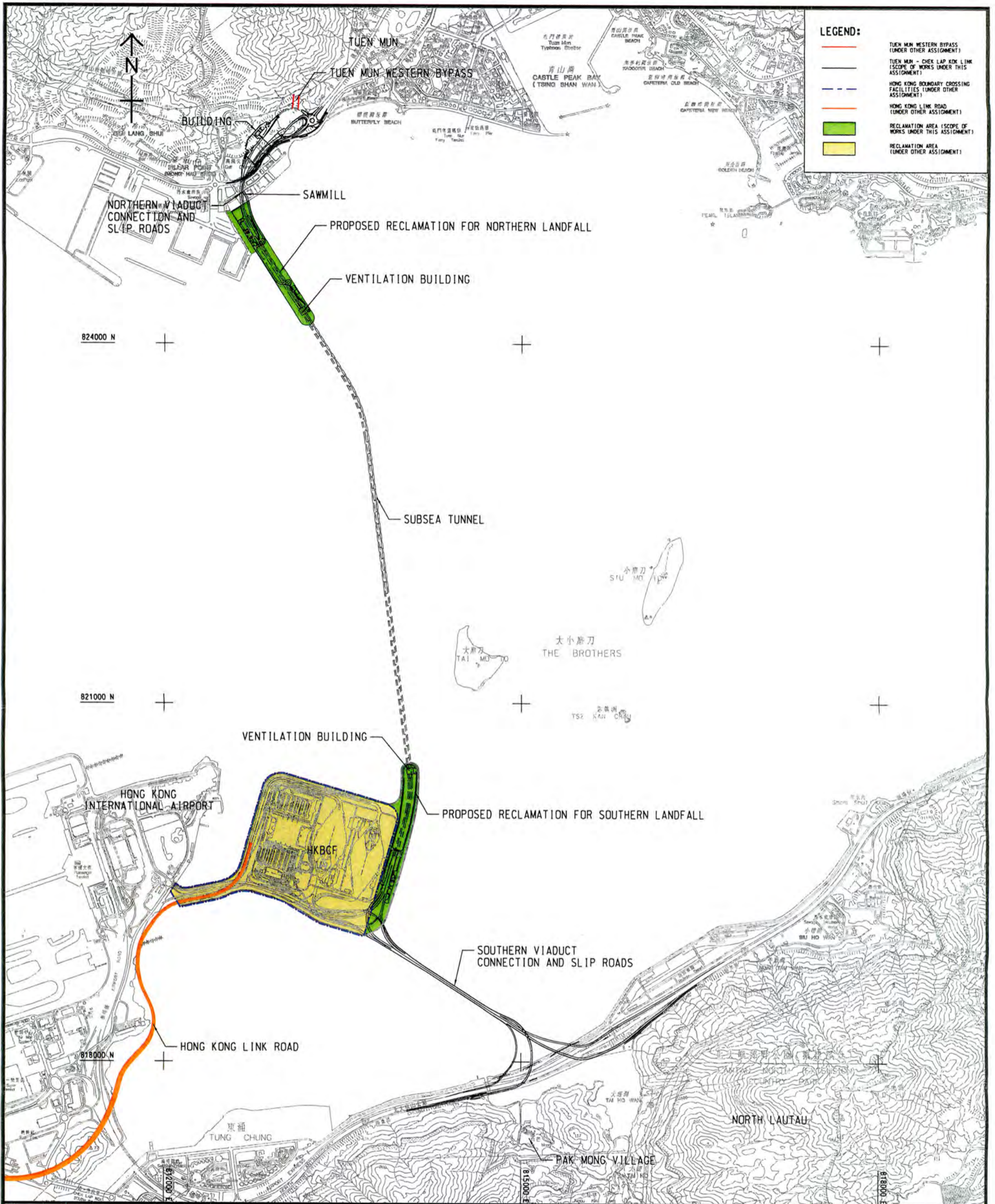
- 9.1.1 This is 5th monthly EM&A report presenting the inspection findings for the period of 1 to 31 October 2022.
- 9.1.2 The planting works for the Contract No. HY/2021/13 was commenced on 21 June 2022.
- 9.1.3 In the Reporting Period, no complaint was received by RE, the Contractor, ENPO or HyD.
- 9.1.4 No notifications of summons, or successful prosecution were received by the Contractor during the Reporting Period.
- 9.1.5 In the Reporting Period, joint site inspection by the RE, ET and the Contractor was carried out on 7th, 14th, 21st and 28th October 2022 and the IEC has attended the joint site inspection on 28th October 2022. No non-compliance and observation was recorded during the site inspection.

9.2 RECOMMENDATIONS

- 9.2.1 During dry season, air quality mitigation measures such as watering of site area for at least 12 times per day and covering of exposed slopes should be fully implemented to reduce construction dust impact as recommended in the EMIS.
- 9.2.2 Moreover, muddy water or other water pollutants from site surface runoff into the public areas will be key environment issue. Special attention should be paid on the water quality mitigation measures to prevent surface runoff flow to public area.
- 9.2.3 Stagnant water should be removed as soon as possible after rain to prevent mosquito breeding on site.

Appendix A

Project Layout Plan



Project Title: Tuen Mun - Chek Lap Kok Link
工程項目名稱: 屯門至赤鱗角連接路

Project Location
工程項目位置

(Plan originated from Figure 3.1 of Approved EIA Report reference no.: AEIAR-146/2009)
 (圖則源自已批准的環境影響評估報告編號AEIAR-146/2009圖3.1)

Environmental Protection Department
環境保護署



Environmental Permit No.: EP-354/2009/D
環境許可證編號: EP-354/2009/D

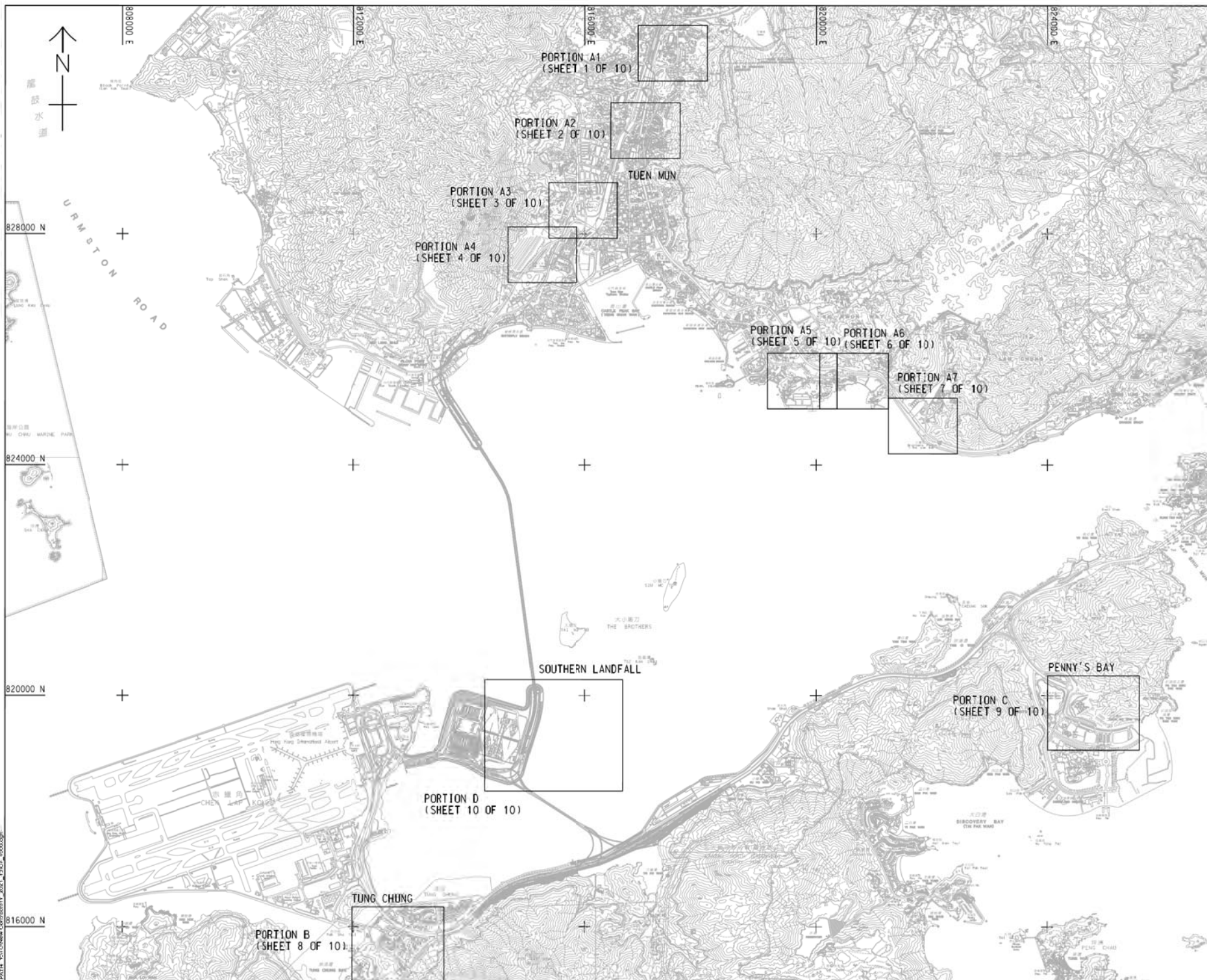
Figure 1
圖1

Appendix B

Layout Plan of the Contract

Project Management (Title): Designer: Checker: A/C: Engineer: D/W: ECN/A: (Date) x (A)mm

Plot File Loc: \\... \Data\2024\New\Corrosivity_2024_11\24_1000.dgn



AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT
TRA TRANSPORT AND INFRASTRUCTURE DEPARTMENT
TRA HIGHWAYS DEPARTMENT
Major Works Project Management Office (Special Duties)

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS

ISSUE/REVISION

NO.	DATE	DESCRIPTION	CHK.
1	2024-11-24	ISSUED FOR TENDER DRAWING	CWN

STATUS

SCALE: A1 1:30000 DIMENSION UNIT: METERS

KEY PLAN

PROJECT NO.: B0240249 CONTRACT NO.: HY/2021/13

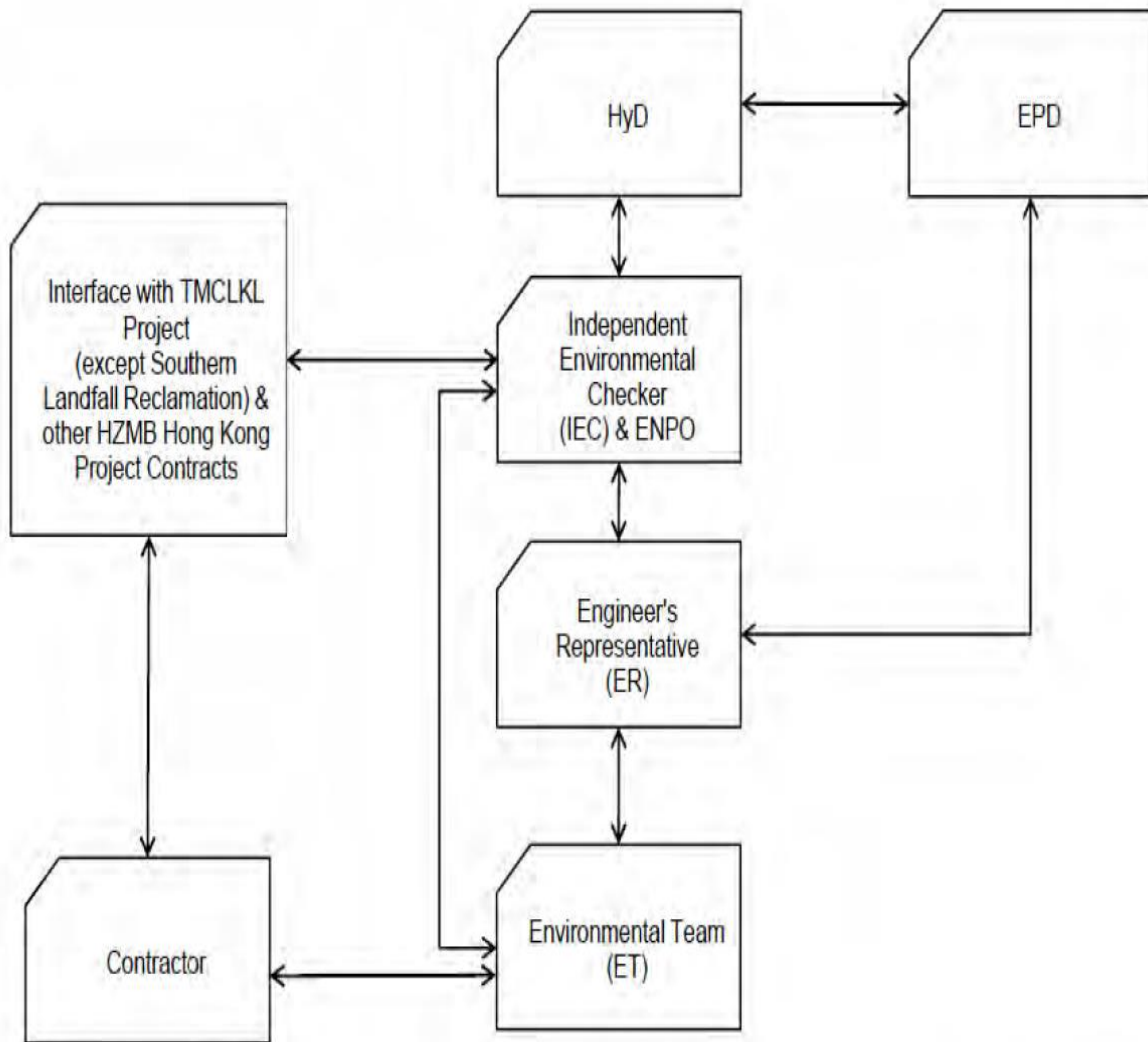
SHEET TITLE: LOCATION PLAN AND KEY PLAN

SHEET NUMBER: B0240249/C7/1000

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Appendix C

Organization of the Contract



↔ Line of Communication

Project Organization chart

Contact Details of Key Personnel for the Contract HY/2021/13

Organization	Project Role	Name of Key Staff	Tel No	Fax No.
HyD	Employer	Mr. Vincent Li	2762 4188	3188 6614
AECOM	Senior Resident Engineer	Mr. Kelvin Leung	2293 6200	2293 6300
AECOM	Senior Resident Engineer (S&E)	Mr. KP Wong	2293 6200	2293 6300
AECOM	Senior RLA	Ms. Candy Lau	2293 6200	2293 6300
ANewR	Environmental Project Office Leader (ENPO Leader)	Ms. Louis Kwan	2618 2836	3007 8648
ANewR	Independent Environmental Checker (IEC)	Mr. James Choi	2618 2836	3007 8648
WHY	Project Manager	Mr. Joe Fung	2719 1313	2110 0581
WHY	Environmental Officer	Mr. Ivan Lau	2719 1313	2110 0581
AUES	Environmental Team Leader	Mr. Ben Tam	2959 6059	2959 6079
AUES	Environmental Consultant	Mr. Martin Li	2959 6059	2959 6079

Legend:

HyD (Employer) –Highways Department

AECOM (Engineer) – AECOM Asia Co. Ltd.

WHY (Main Contractor) –Wing Ho Yuen Landscaping Co., Ltd

ANewR (ENPO and IEC) –ANewR Consulting Limited


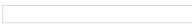

















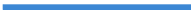
AUES (ET) – Action-United Environmental Services & Consulting

Appendix D

Three-Months Rolling Programme

ID	Task Name	Start	Finish	Duration	4th Quarter			
					Sep	Oct	Nov	Dec
1	Contract No. HY/2021/13	Mon 13-12-21	Mon 10-02-25	1156 days				
2	Commencement of Works	Mon 13-12-21	Mon 13-12-21	0 days				
3								
4	Submission	Mon 13-12-21	Tue 31-05-22	170 days				
5	Initial Works Programme	Mon 13-12-21	Tue 14-12-21	2 days				
6	Contractor's Organization	Mon 13-12-21	Sun 26-12-21	14 days				
7	Three-month rolling programme	Mon 13-12-21	Tue 21-12-21	9 days				
8	Safety Plan	Mon 13-12-21	Tue 21-12-21	9 days				
9	Environmental Management Plan	Mon 13-12-21	Tue 28-12-21	16 days				
10	Sub-contractor Management Plan	Mon 13-12-21	Thu 06-01-22	25 days				
11	Environmental Team and Environmental Team Leader	Mon 13-12-21	Sun 19-12-21	7 days				
12	Ornithological Consultant	Mon 13-12-21	Fri 21-01-22	40 days				
13	Contract Specific EM & A Manual	Mon 13-12-21	Sun 09-01-22	28 days				
14	Method Statement of Tree Presevation and Protection	Sat 02-04-22	Thu 19-05-22	48 days				
15	Method Statement of Tree Felling	Sun 06-03-22	Fri 22-04-22	48 days				
16	Method Statement of Planting	Sat 02-04-22	Tue 31-05-22	60 days				
17	Material Submission	Mon 31-01-22	Tue 31-05-22	121 days				
18								
19	Section 1 (Portion A1 to A7, B and C)	Wed 29-12-21	Sun 12-02-23	411 days				
20	Tree Survey	Thu 13-01-22	Tue 31-05-22	139 days				
21	Portion A1- 6NW-C/F153	Thu 03-03-22	Thu 17-03-22	15 days				
22	Portion A2- 6SW-A/F25	Fri 11-03-22	Tue 26-04-22	47 days				
23	Portion A3- 5SE-B/F89	Mon 14-03-22	Fri 22-04-22	40 days				
24	Portion A3- 5SE-B/F70	Fri 18-02-22	Fri 04-03-22	15 days				
25	Portion A4- 5SE-D/F73	Tue 08-03-22	Tue 22-03-22	15 days				

Date: 22 September 2022
 Rev.: 0

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

ID	Task Name	Start	Finish	Duration	4th Quarter			
					Sep	Oct	Nov	Dec
26	Portion A5- 6SW-C/FR200	Fri 01-04-22	Sat 30-04-22	30 days				
27	Portion A6- 6SW-C/F233	Fri 01-04-22	Sat 30-04-22	30 days				
28	Portion A6- 6SW-D/FR279	Fri 01-04-22	Fri 15-04-22	15 days				
29	Portion A7- 6SW-D/FR320	Thu 13-01-22	Tue 22-02-22	41 days				
30	Portion B- 9SE-B/F35	Mon 04-04-22	Mon 18-04-22	15 days				
31	Portion B- 9SE-B/F56	Mon 11-04-22	Tue 31-05-22	51 days				
32	Portion B- 9SE-B/F74	Mon 18-04-22	Mon 02-05-22	15 days				
33	Portion C-10NE-C/F6	Mon 16-05-22	Tue 31-05-22	16 days				
34	Portion C-10NW-D/F93	Mon 23-05-22	Fri 27-05-22	5 days				
35	Application of Excavation Permit	Sat 15-01-22	Mon 15-08-22	213 days				
36	Preparation of TTA Drawings	Sat 15-01-22	Tue 26-07-22	193 days				
37	TTA Drawings to be Approved by TD/RMO	Fri 18-03-22	Mon 12-09-22	179 days				
38	Planting Works	Wed 22-06-22	Thu 17-11-22	149 days				
39	Portion A1- 6NW-C/F153	Thu 25-08-22	Wed 14-09-22	21 days				
40	Portion A2- 6SW-A/F25	Mon 22-08-22	Fri 30-09-22	40 days				
41	Portion A3- 5SE-B/F89	Thu 18-08-22	Thu 18-08-22	1 day				
42	Portion A3- 5SE-B/F70	Mon 29-08-22	Fri 30-09-22	33 days				
43	Portion A4- 5SE-D/F73	Wed 22-06-22	Thu 30-06-22	9 days				
44	Portion A5- 6SW-C/FR200	Mon 29-08-22	Tue 27-09-22	30 days				
45	Portion A6- 6SW-C/F233	Wed 31-08-22	Sat 24-09-22	25 days				
46	Portion A6- 6SW-D/FR279	Tue 23-08-22	Wed 07-09-22	16 days				
47	Portion A7- 6SW-D/FR320	Tue 23-08-22	Mon 05-09-22	14 days				
48	Portion B- 9SE-B/F35	Tue 08-11-22	Thu 17-11-22	10 days				
49	Portion B- 9SE-B/F56	Sat 29-10-22	Mon 07-11-22	10 days				
50	Portion B- 9SE-B/F74	Wed 19-10-22	Fri 28-10-22	10 days				

Date: 22 September 2022
 Rev.: 0

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

ID	Task Name	Start	Finish	Duration	Sep	4th Quarter	Oct	Nov	Dec
51	Portion C-10NE-C/F6	Fri 30-09-22	Sat 08-10-22	9 days					
52	Portion C-10NW-D/F93	Sun 09-10-22	Tue 18-10-22	10 days					
53	Pre Handover Inspection	Sat 01-10-22	Sat 07-01-23	99 days					
54	EPD's Approval for Landscape Establishment Works & Monitoring Proposal	Wed 09-02-22	Wed 16-11-22	281 days					
55									
56	Section 2 (Portion A1 to A7 and B)	Mon 13-02-23	Mon 10-02-25	729 days					
57	Establishment Works	Mon 13-02-23	Mon 10-02-25	729 days					
58	Regular ET Monitoring and Reporting	Mon 13-02-23	Mon 10-02-25	729 days					
59	Final Handover Inspection	Wed 01-01-25	Mon 10-02-25	41 days					
60	EM & A Final Report	Wed 01-01-25	Mon 10-02-25	41 days					
61									
62	Section 2 (Portion C)	Thu 13-07-23	Mon 10-02-25	579 days					
63	Establishment Works	Thu 13-07-23	Mon 10-02-25	579 days					
64	Regular ET Monitoring and Reporting	Thu 13-07-23	Mon 10-02-25	579 days					
65	Final Handover Inspection	Wed 01-01-25	Mon 10-02-25	41 days					
66	EM & A Final Report	Wed 01-01-25	Mon 10-02-25	41 days					
67									
68	Section 3 (Portion D)	Thu 10-02-22	Sun 12-03-23	396 days					
69	Establishment Works	Thu 10-02-22	Sun 12-03-23	396 days					
70	Regular ET Monitoring and Reporting	Thu 10-02-22	Sun 12-03-23	396 days					
71	Inspections by Ornithological Consultant	Thu 10-02-22	Sun 12-03-23	396 days					
72	Final Handover Inspection	Sat 11-02-23	Sun 12-03-23	30 days					

Date: 22 September 2022
 Rev.: 0

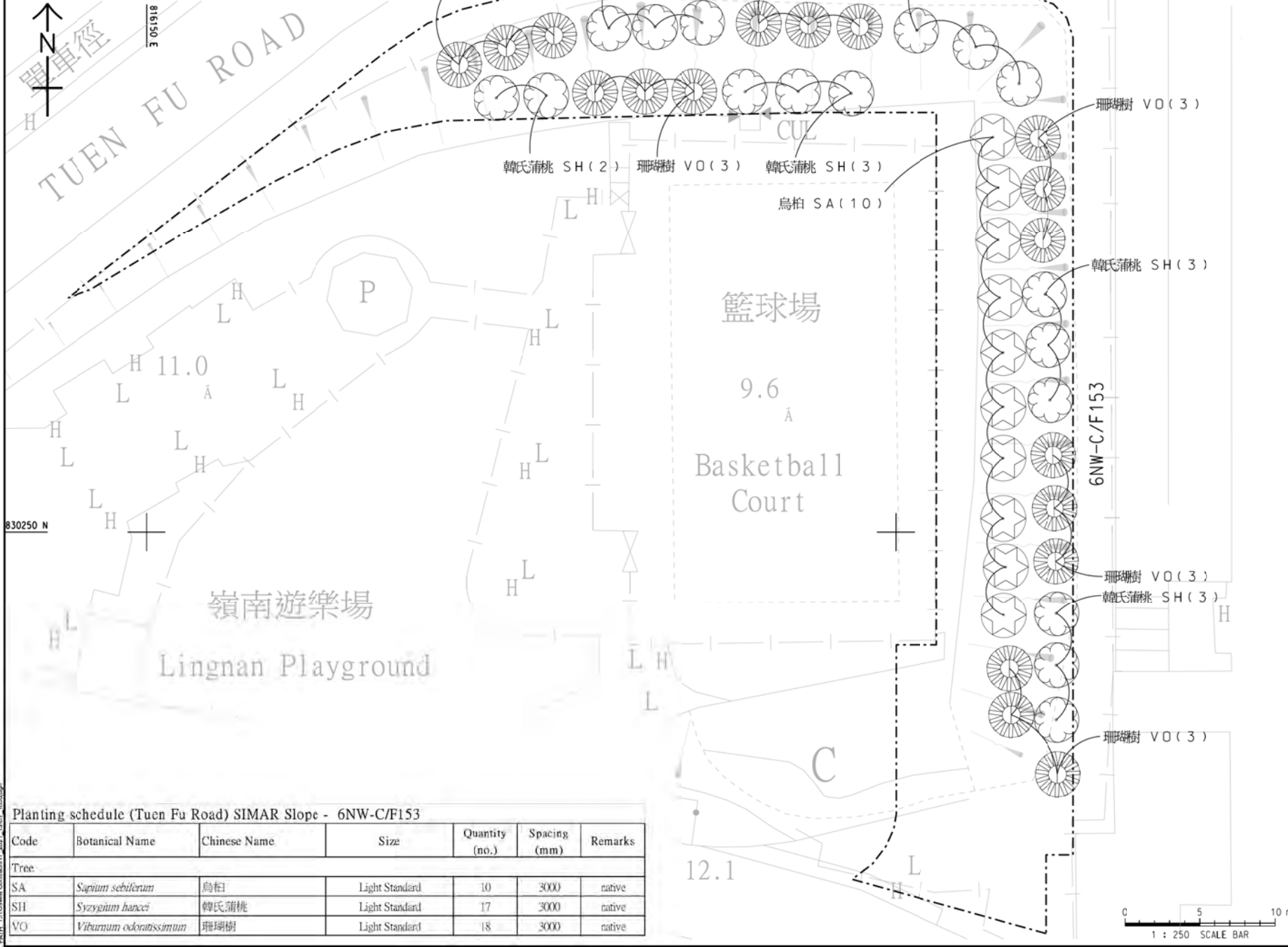
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Split		Inactive Milestone		Manual Summary		Deadline			
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Summary		Manual Task		Finish-only		Critical Split			
Project Summary		Duration-only		External Tasks		Progress			

Appendix E

Layout Plan for the Planting Zone

- LEGENDS :
- SITE BOUNDARY
 - PROPOSED TREE

- NOTES:
1. TREE PLANTING EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.



Planting schedule (Tuen Fu Road) SIMAR Slope - 6NW-C/F153

Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
SA	<i>Sapium sebiferum</i>	烏柏	Light Standard	10	3000	native
SH	<i>Syzygium hancei</i>	韓氏蒲桃	Light Standard	17	3000	native
VO	<i>Viburnum odoratissimum</i>	珊瑚樹	Light Standard	18	3000	native

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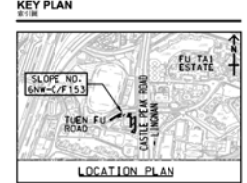
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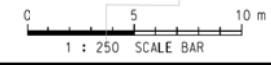
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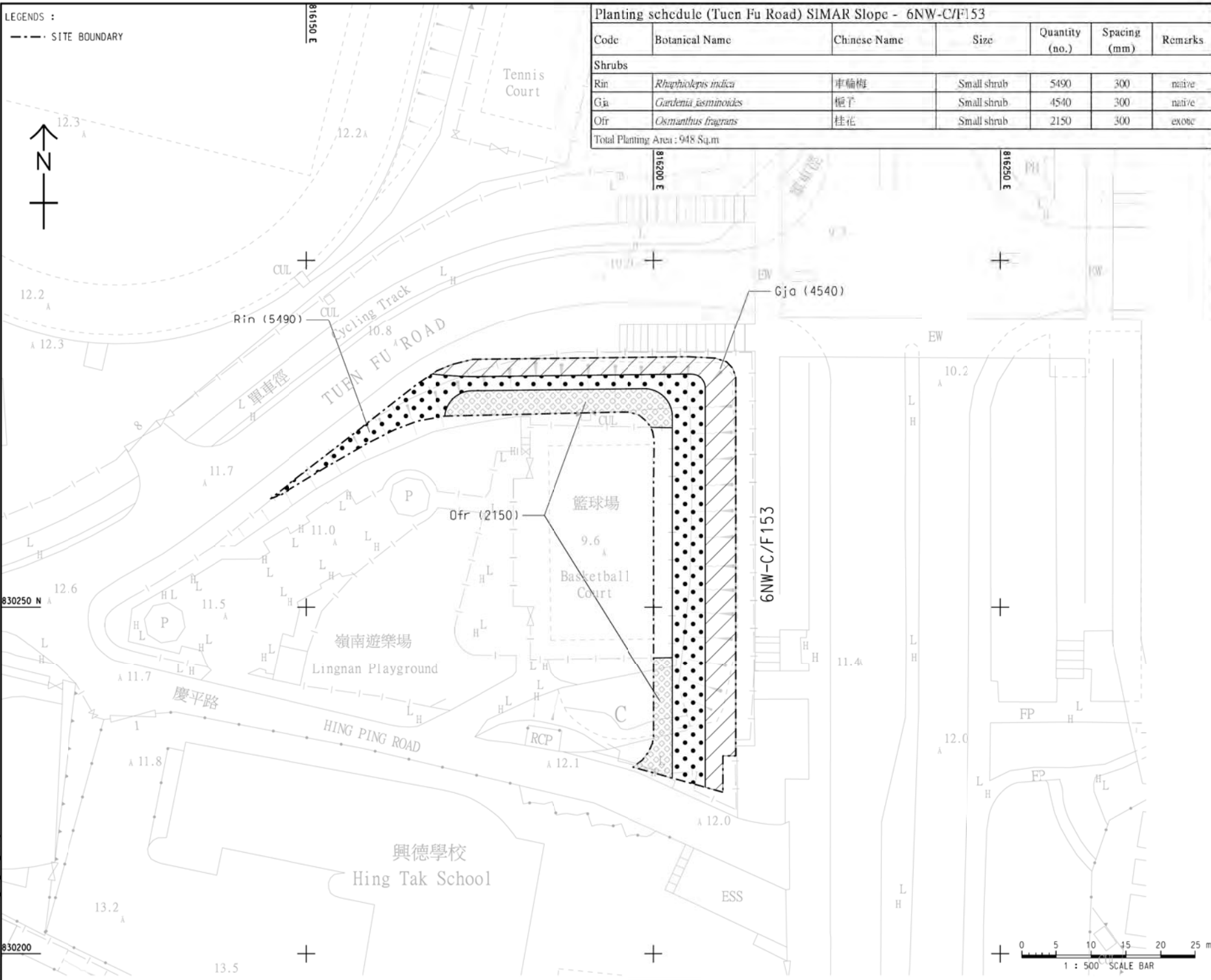


PROJECT NO. 60240249	CONTRACT NO. HY/2021/13
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SHEET TITLE
TREE PLANTING PLAN FOR SLOPE NO. 6NW-C/F153 AT TUEN FU ROAD, TUEN MUN

SHEET NUMBER 60240249/C/1030





AECOM

PROJECT
 TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
 PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT

 運輸署
 主要工程管理處 (專業事務)
 Major Works Project Management Office (Special Duties)

CONSULTANT
 AECOM Asia Company Ltd.
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KEY PLAN

PROJECT NO. 60240249
CONTRACT NO. HY/2021/13

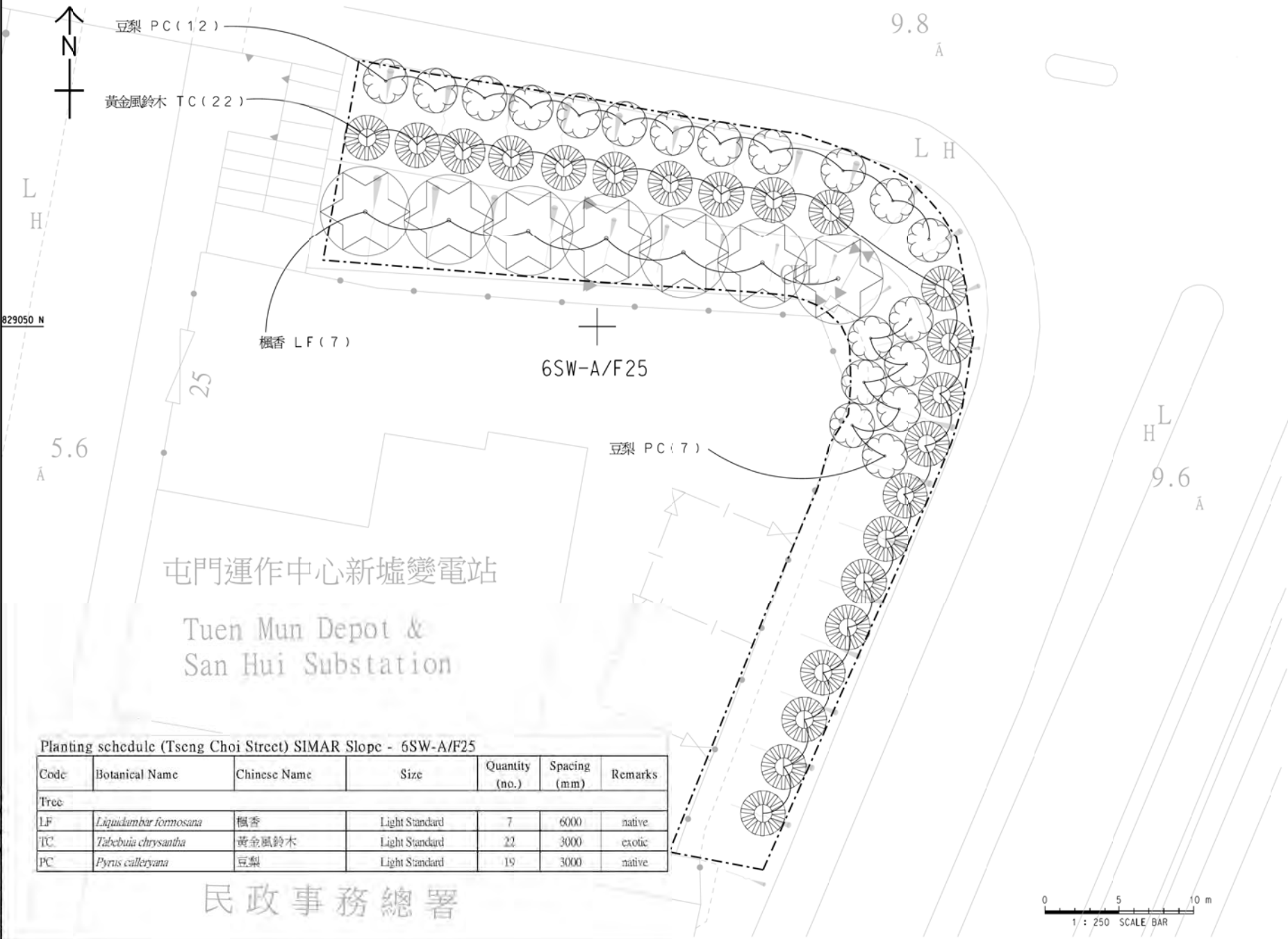
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SHEET NUMBER
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Project Management Institute: Designer: ALCF Approved: CWN ISO A1 (84mm x 84mm) 8/20/21

- LEGENDS :**
- SITE BOUNDARY
 - PROPOSED TREE
- NOTES:**
- TREE PLANTING EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.



Planting schedule (Tseng Choi Street) SIMAR Slope - 6SW-A/F25

Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
Tree						
LF	<i>Liquidambar formosana</i>	楓香	Light Standard	7	6000	native
TC	<i>Tabebuia chrysantha</i>	黃金風鈴木	Light Standard	22	3000	exotic
PC	<i>Pyrus calleryana</i>	豆梨	Light Standard	19	3000	native

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT

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 主要工程管理處 (專業事務)
 Major Works Project Management Office (Special Duties)

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SCALE
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KEY PLAN

 LOCATION PLAN

PROJECT NO. 60240249 **CONTRACT NO.** HY/2021/13

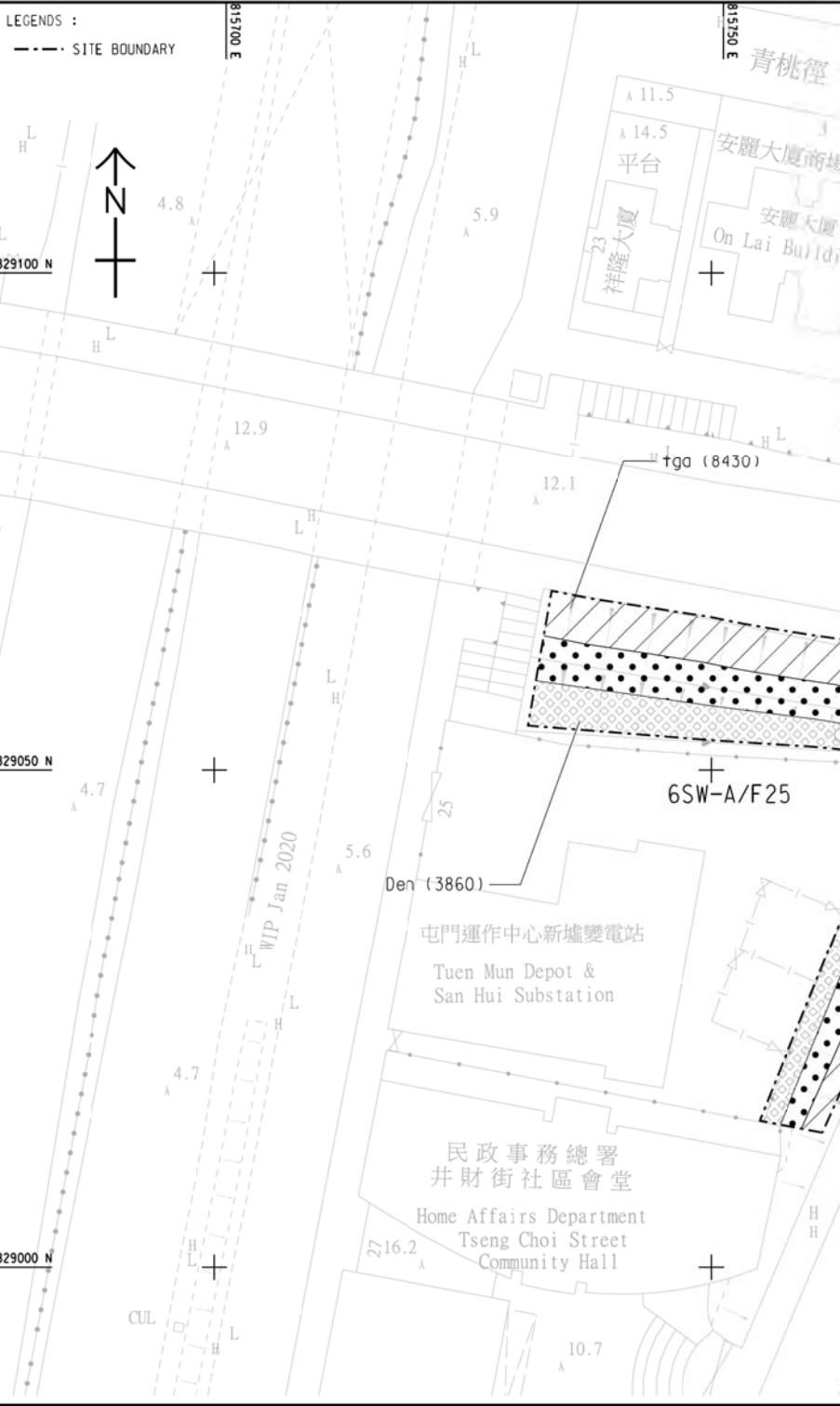
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SHEET NUMBER
60240249/C7/1032



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8/2/2021
 Project File No. WPM
 PARTIAL T110 New Connectivity 2021 - S1.CZ - A133.000
 Project Management Initials: Designer: Chavakre, A.C.F. Approved: CWN
 ISO A1 (84mm x 61mm)



Planting schedule (Tseng Choi Street) SIMAR Slope - 6SW-A/F25

Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
Shrubs						
Hrs	<i>Hibiscus rosa-sinensis</i> (yellow/orange)	大红花 (黃花/橙花)	Small shrub	4840	250	exotic
Tga	<i>Thunbergia grandiflora</i>	大花老鴉嘴	Small shrub	8430	200	native
Den	<i>Dianella ensifolia</i>	山菅蘭	Small shrub	3860	250	native
Total Planting Area : 764 Sq.m						

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
 PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT

 港 政 署
HIGHWAYS DEPARTMENT
 主要工程管理處 (專業事務)
 Major Works Project Management Office (Special Duties)

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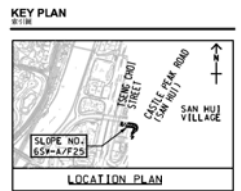
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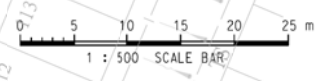
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PROJECT NO. 60240249 **CONTRACT NO.** HY/2021/13

SHEET TITLE
 SHRUB PLANTING PLAN FOR SLOPE NO. 6SW-A/F25 AT TSENG CHOI STREET, TUEN MUN

SHEET NUMBER
 60240249/C/1033



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Project Management Enabler: Designer: Check: AUCF Approved: CWN ISO A1 (84mm x 84mm)

LEGENDS :

- SITE BOUNDARY
- PROPOSED TREE

NOTES:

- TREE PLANTING EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.

Planting schedule (Tsing Wan Road) SIMAR Slope -5SE-B/F54 & 5SE-B/F89

Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
Tree						
PB	<i>Fhoetitia benthamiana</i>	闊粵石楠	Light Standard	12	3000	native
PC	<i>Fyrus calleryana</i>	豆梨	Light Standard	20	3000	native
SS	<i>Schinus superba</i>	木荷	Light Standard	19	3000	native
VO	<i>Viburnum odoratissimum</i>	珊瑚樹	Light Standard	16	3000	native



PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT

 路政署
 HIGHWAYS DEPARTMENT
 主要工程管理處 (專業事務)
 Major Works Project Management Office (Special Duties)

CONSULTANT
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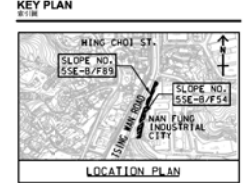
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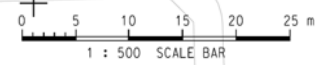
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PROJECT NO. 60240249
CONTRACT NO. HY/2021/13

SHEET TITLE
TREE PLANTING PLAN FOR SLOPE NO. 5SE-B/F54 & 5SE-B/F89 AT TSING WAN ROAD, TUEN MUN

SHEET NUMBER
60240249/C7/1034



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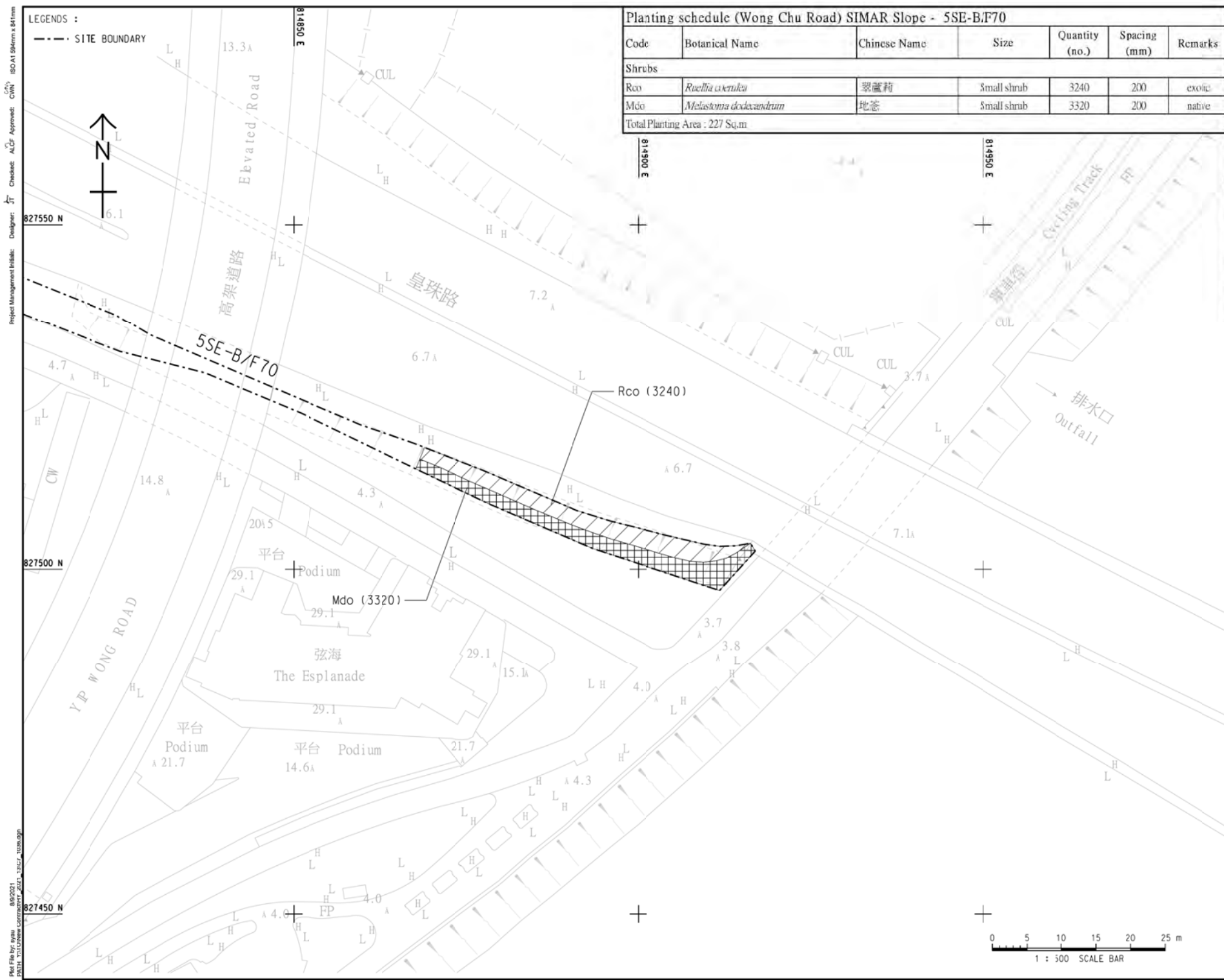
LEGENDS :

--- SITE BOUNDARY

Planting schedule (Wong Chu Road) SIMAR Slope - 5SE-B/F70

Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
Shrubs						
Rco	<i>Roellia exonioides</i>	翠蓋莉	Small shrub	3240	200	exotic
Mdo	<i>Melastoma dodocandrum</i>	地蕊	Small shrub	3320	200	native

Total Planting Area : 227 Sq.m



PROJECT

TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT



CONSULTANT

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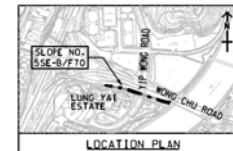
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KEY PLAN



PROJECT NO. CONTRACT NO.

60240249 HY/2021/13

SHEET TITLE

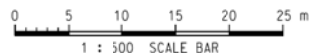
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SHEET NUMBER

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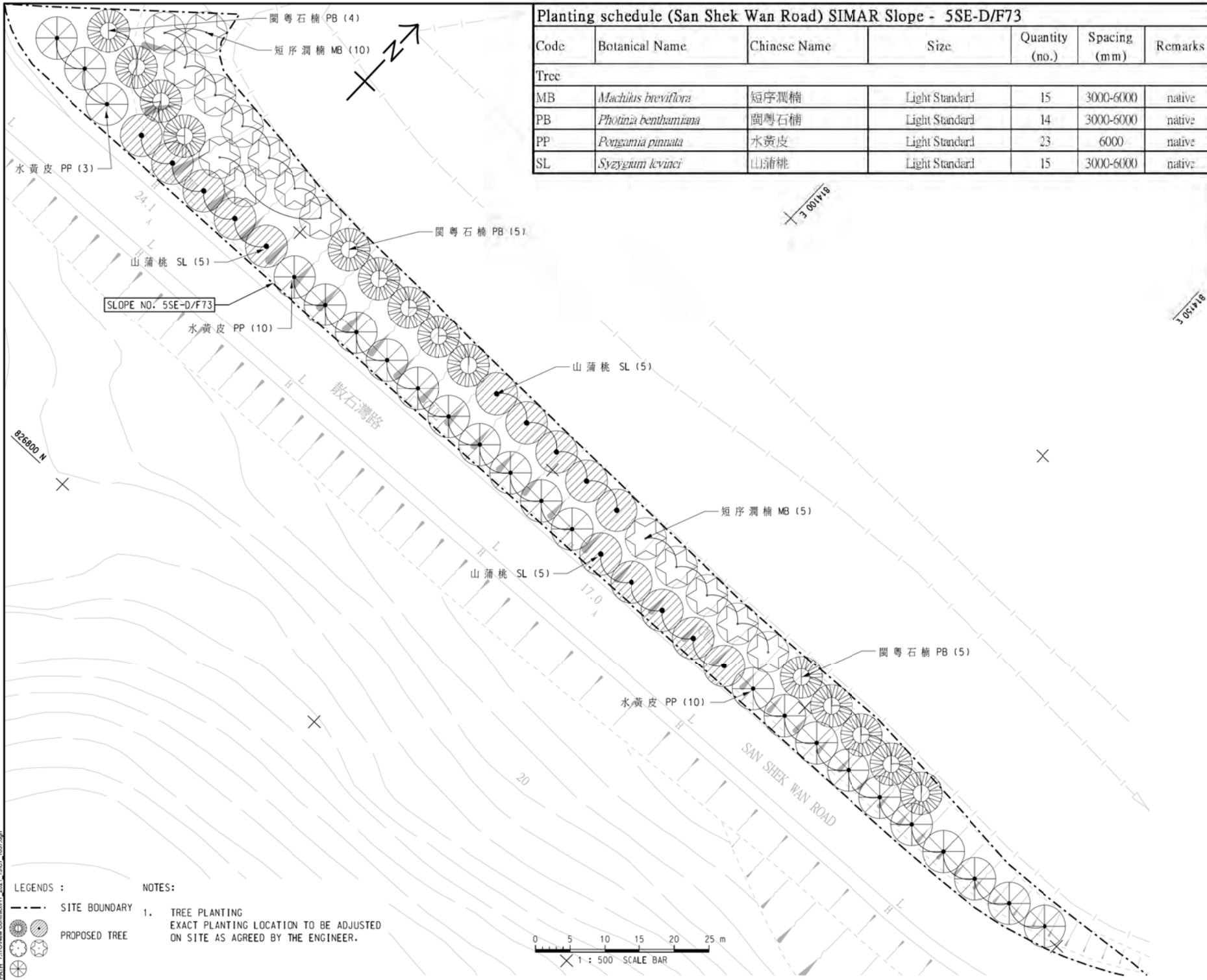
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ISO A1 (84mm x 61mm)

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Planting schedule (San Shek Wan Road) SIMAR Slope - 5SE-D/F73

Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
Tree						
MB	<i>Machilus breviflora</i>	短序潤楠	Light Standard	15	3000-6000	native
PB	<i>Photinia benthamiana</i>	闊葉石楠	Light Standard	14	3000-6000	native
PP	<i>Pongamia pinnata</i>	水黃皮	Light Standard	23	6000	native
SL	<i>Syzygium kvinci</i>	山蒲桃	Light Standard	15	3000-6000	native



LEGENDS :

- SITE BOUNDARY
- PROPOSED TREE

NOTES:

- TREE PLANTING EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.



AECOM

PROJECT

TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
 PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT

 路政署
 主要工程管理處 (專責事務)

CONSULTANT
 AECOM Asia Company Ltd.
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SUB-CONSULTANTS

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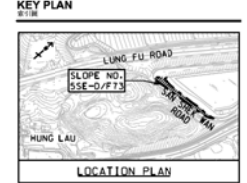
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PROJECT NO.
 60240249

CONTRACT NO.
 HY/2021/13

SHEET TITLE
 TREE PLANTING PLAN FOR SLOPE NO.5SE-D/F73 AT SAN SHEK WAN ROAD, TUEN MUN

SHEET NUMBER
 60240249/C7/1037

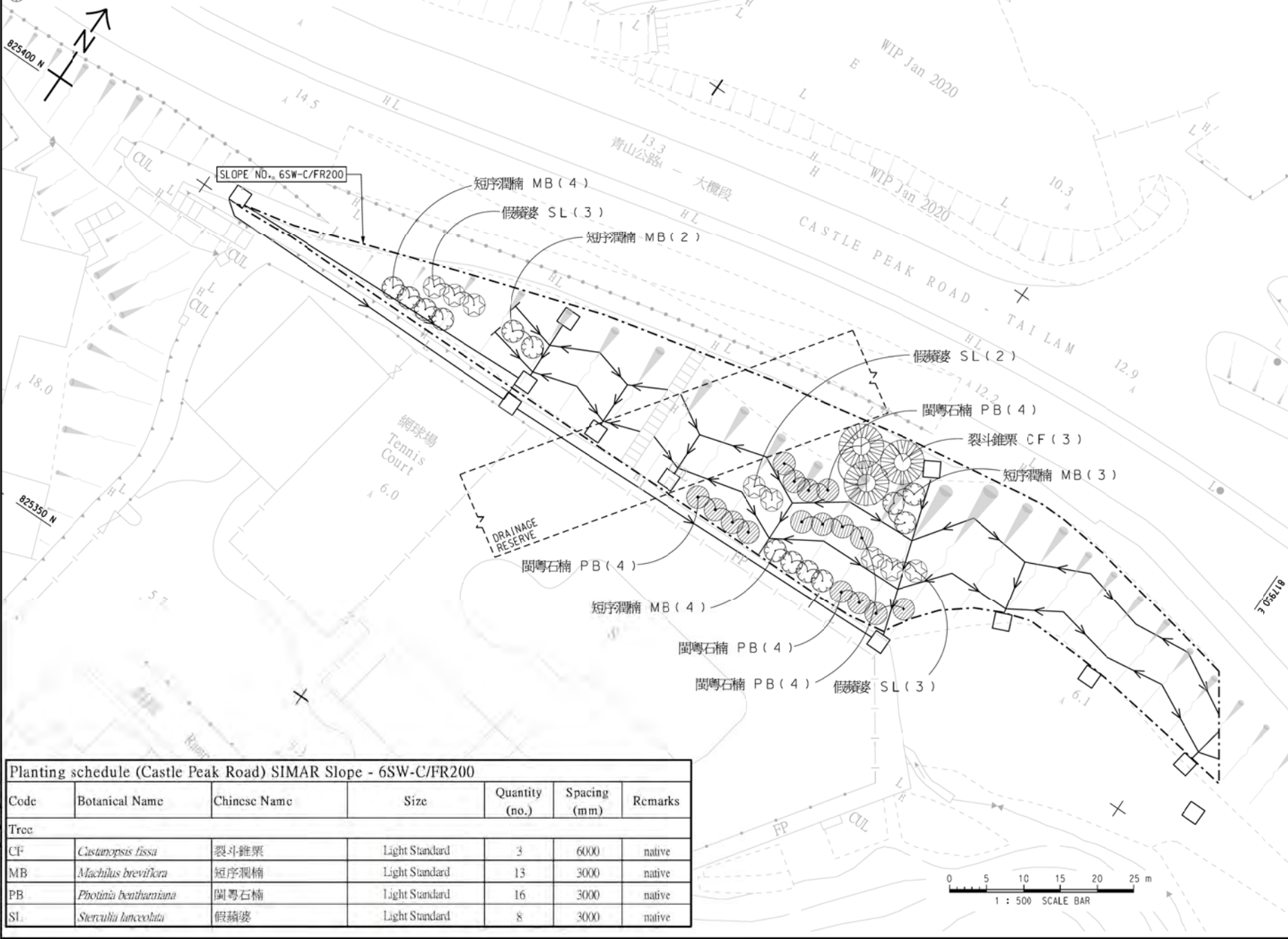
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LEGENDS :

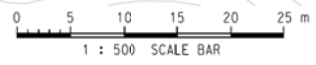
- SITE BOUNDARY
- PROPOSED TREE

NOTES:

- TREE PLANTING EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.



Planting schedule (Castle Peak Road) SIMAR Slope - 6SW-C/FR200						
Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
Tree						
CF	<i>Castanopsis tissa</i>	裂斗錐栗	Light Standard	3	6000	native
MB	<i>Machilus breviflora</i>	短序潤楠	Light Standard	13	3000	native
PB	<i>Photinia benthamiana</i>	閩粵石楠	Light Standard	16	3000	native
SL	<i>Sterculia lanceolata</i>	假蒺藜	Light Standard	8	3000	native



AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT
 路政署
 主要工程管理處 (專業事務)
 Major Works Project Management Office (Special Duties)

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

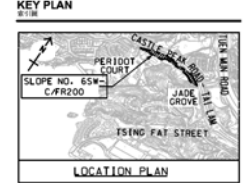
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ISSUE/REVISION

NO.	DESCRIPTION	DATE	BY	CHK.
1	ISSUED FOR TENDER	2021/07/20	CWN	CWN

STATUS

SCALE
A3 1:500



PROJECT NO. 60240249
CONTRACT NO. HY/2021/13

SHEET TITLE
TREE PLANTING PLAN FOR SLOPE NO. 6SW-C/FR200 AT CASTLE PEAK ROAD, TUEN MUN

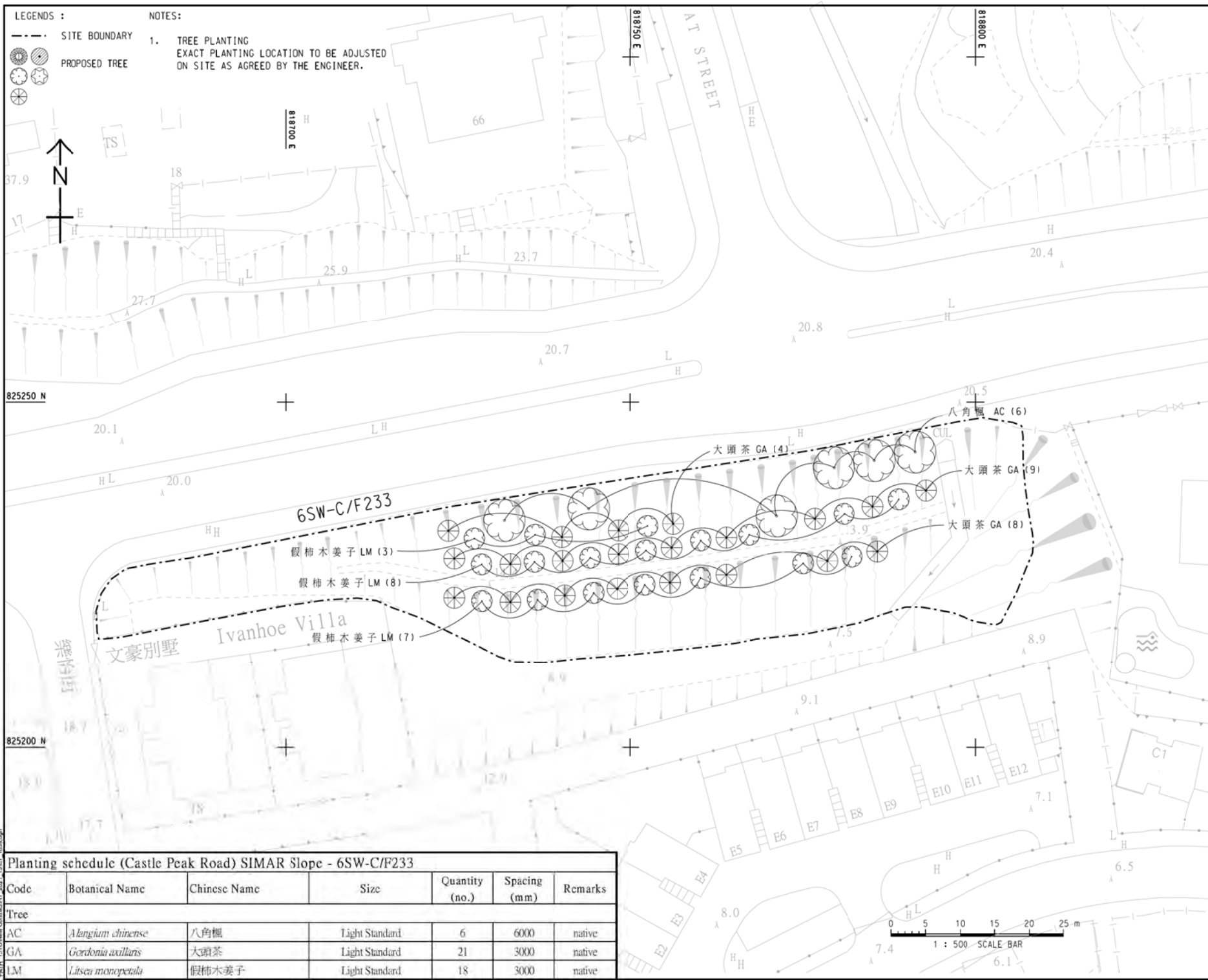
SHEET NUMBER
60240249/C/1038

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- LEGENDS :**
- SITE BOUNDARY
 - PROPOSED TREE

NOTES:

- TREE PLANTING
EXACT PLANTING LOCATION TO BE ADJUSTED
ON SITE AS AGREED BY THE ENGINEER.



Planting schedule (Castle Peak Road) SIMAR Slope - 6SW-C/F233

Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
Tree						
AC	<i>Alangium chinense</i>	八角楓	Light Standard	6	6000	native
GA	<i>Gordonia axillaris</i>	大頭茶	Light Standard	21	3000	native
LM	<i>Litsea monopetala</i>	假柿木姜子	Light Standard	18	3000	native

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT

 路政署
 HIGHWAYS DEPARTMENT
 主要工程管理處 (專業事務)
 Major Works Project Management Office (Special Duties)

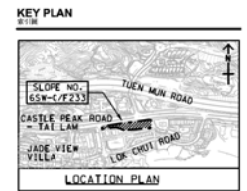
CONSULTANT
AECOM Asia Company Ltd.
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SUB-CONSULTANTS

ISSUE/REVISION

NO.	DESCRIPTION	DATE	BY	CHK.
1	ISSUED FOR TENDER DRAWING		CWN	

SCALE
A3 1:500



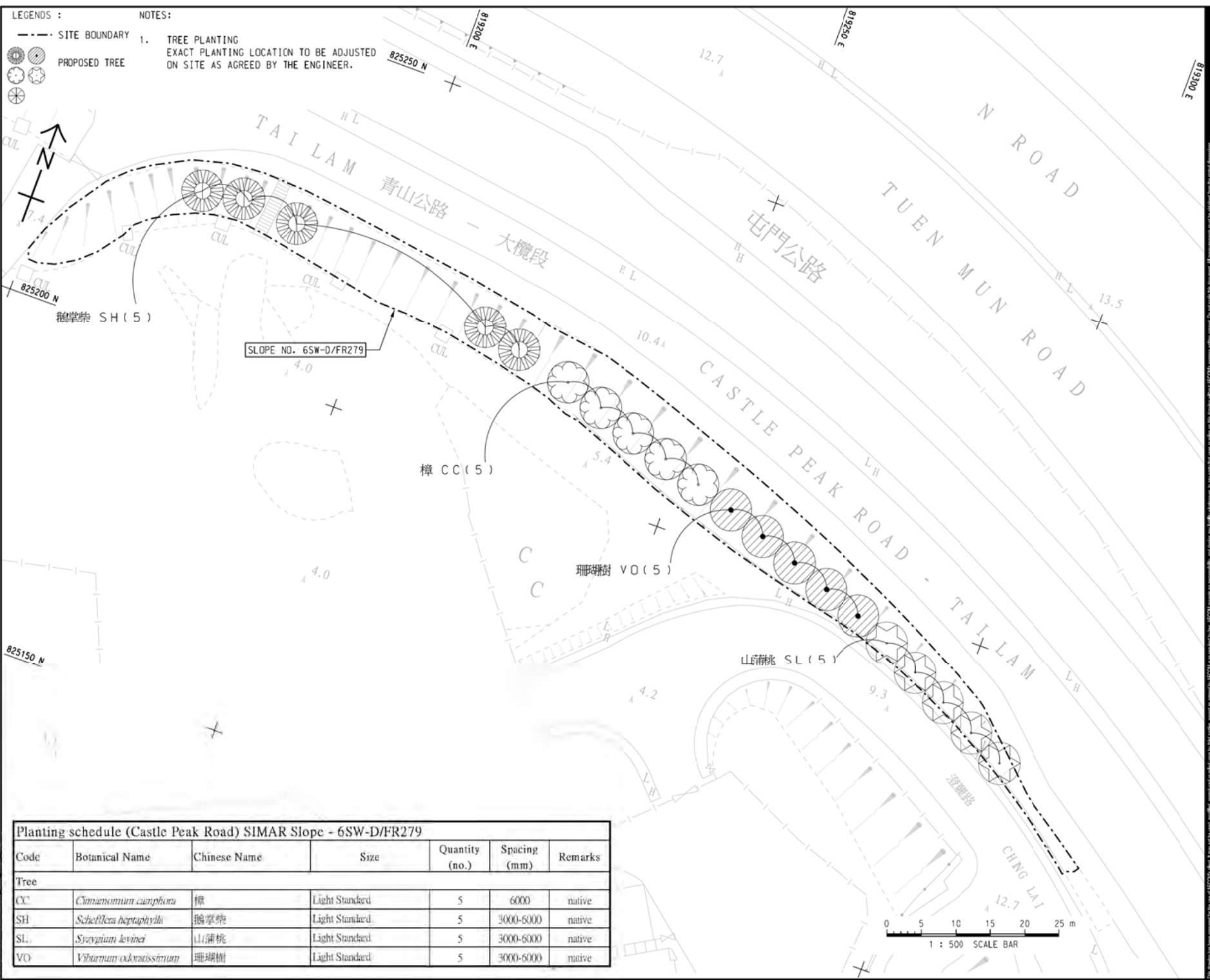
PROJECT NO. 60240249
CONTRACT NO. HY/2021/13

SHEET TITLE
TREE PLANTING PLAN FOR SLOPE NO. 6SW-C/F233 AT CASTLE PEAK ROAD - TAI LAM, TUEN MUN

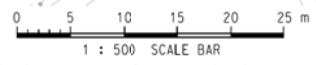
SHEET NUMBER
60240249/C/1039

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Project Management Header: Designer: Check: ALCF Approved: CWN ISO A1 (84mm x 84mm)



Planting schedule (Castle Peak Road) SIMAR Slope - 6SW-D/FR279						
Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
Tree						
CC	<i>Cinnamomum camphora</i>	樟	Light Standard	5	6000	native
SH	<i>Schefflera heptaphylla</i>	鵝掌柴	Light Standard	5	3000-6000	native
SL	<i>Syzygium levinei</i>	山蒲桃	Light Standard	5	3000-6000	native
VO	<i>Viburnum odoratissimum</i>	珊瑚樹	Light Standard	5	3000-6000	native



LEGENDS :
 - - - SITE BOUNDARY
 PROPOSED TREE

NOTES:
 1. TREE PLANTING
 EXACT PLANTING LOCATION TO BE ADJUSTED
 ON SITE AS AGREED BY THE ENGINEER.

PROJECT
 TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
 PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT

 路政署
HIGHWAYS DEPARTMENT
 主要工程管理處 (專業事務)
 Major Works Project Management Office (Special Duties)

CONSULTANT
 AECOM Asia Company Ltd.
 www.aecom.com

SUB-CONSULTANTS
 伊和工程顧問有限公司

ISSUE/REVISION			
NO.	DESCRIPTION	DATE	BY

- SER 21 TENDER DRAWING CWN
 DR DATE DESCRIPTION CHK.

STATUS
 已批准

SCALE **DIMENSION UNIT**
 A3 1:500 公制單位

KEY PLAN

 LOCATION PLAN

PROJECT NO. **CONTRACT NO.**
 60240249 HY/2021/13

SHEET TITLE
 TREE PLANTING PLAN FOR SLOPE NO. 6SW-D/FR279 AT CASTLE PEAK ROAD, TUEN MUN

SHEET NUMBER
 60240249/C/1040

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- LEGENDS :**
- SITE BOUNDARY
 - PROPOSED TREE

- NOTES:**
- TREE PLANTING EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.



824300 N

820000 E

6.0 A

SLOPE NO. 6SW-D/FR320

820050 E

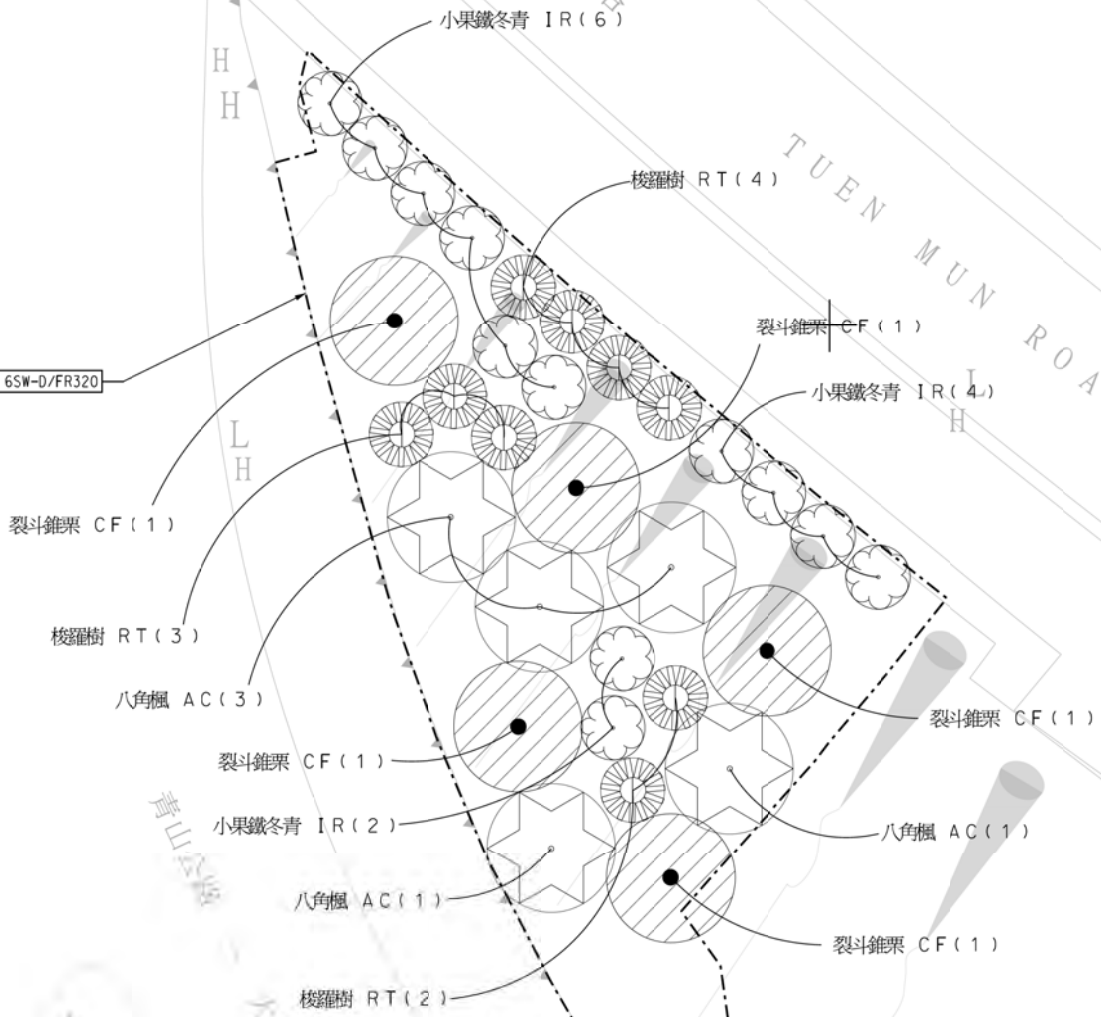
屯門公路

TUEN MUN ROAD

青山公路

大龍峽

WATERS POINT
(TAI LAM KOK)



Planting schedule (Castle Peak Road) SIMAR Slope - 6SW-D/FR320

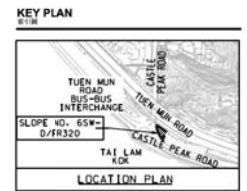
Code	Botanical Name	Chinese Name	Size	Quantity (no.)	Spacing (mm)	Remarks
Tree						
AC	<i>Alangium chinense</i>	八角楓	Light Standard	5	6000	native
CF	<i>Castanopsis fissa</i>	裂斗錐栗	Light Standard	5	6000	native
IR	<i>Ilex rounda var. microcarpa</i>	小果鐵冬青	Light Standard	12	3000	native
RT	<i>Reevesia thyrsoidea</i>	梭羅樹	Light Standard	9	3000	native

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1	ISSUE FOR TENDER DRAWING		CWN	

STATUS

SCALE
A3 1:250



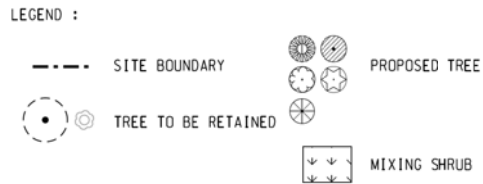
PROJECT NO. 60240249
CONTRACT NO. HY/2021/13

SHEET TITLE
TREE PLANTING PLAN FOR SLOPE NO.6SW-D/FR320 AT CASTLE PEAK ROAD, TUEN MUN

SHEET NUMBER
60240249/C/1041

Project Management Enabler: Designer: Chevalier ALCF Approved: CWN ISO A1 (84mm x 84mm)

Plot File No: 09M 8/9/2021 PLOT 12.6A/14.6A CONTRACTIVITY 2021_13/CZ_1004/091



- NOTES:
- TREE PLANTING EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.
 - SHRUB PLANTING EACH SPECIES TO BE PLANTED IN CLUSTER OF 20-30 NUMBERS.

Planting Schedule (Tat Tung Road) SIMAR Slope - 9SE-B/F34

Code	Botanical Name	Chinese Name	Size	Spacing (mm)	Quantity (no.)	Remarks
Tree						
CCH	<i>Cyclobalanopsis championii</i>	嶺南青岡	Light Standard	5000 or As shown	1	
KP	<i>Koeleria paniculata</i>	複羽葉欖樹				
MC	<i>Machilus chekiangensis</i>	浙江潤楠				
SH	<i>Stygium hancei</i>	韓氏蒲桃				
SS	<i>Schinus superba</i>	木荷				
IV	<i>Ilex viridis</i>	綠冬青	3000 or As shown	8		
LI	<i>Lagerstroemia indica</i>	紫薇				
RT	<i>Reevesia thyrsoides</i>	梭羅樹				
SD	<i>Sapindus discolor</i>	山烏柏				
Mixing Shrub						
las	<i>Ilex asprella</i>	梅葉冬青	Small shrub	300	110	
Gja	<i>Gardenia jasminoides</i>	梔子				
Rin	<i>Rhaphis lepis indica</i>	石斑木				
Pas	<i>Psychotria asiatica</i>	九節				



AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT
路政署
HIGHWAYS DEPARTMENT
主要工程管理處 (專責專車)
Major Works Project Management Office (Special Duties)

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS

ISSUE/REVISION

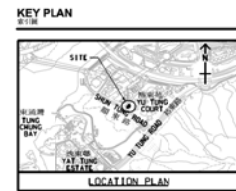
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1	ISSUED FOR TENDER			
2	REVISION			
3	REVISION			
4	REVISION			
5	REVISION			

REVISED BY: SER 21 TENDER DRAWING CWN

REV	DATE	DESCRIPTION	CHK.
1		ISSUED FOR TENDER	
2		REVISION	
3		REVISION	
4		REVISION	
5		REVISION	

STATUS

SCALE DIMENSION UNIT
A3 1:250



PROJECT NO. 60240249 CONTRACT NO. HY/2021/13

SHEET TITLE
TREE AND SHRUB PLANTING PLAN FOR SLOPE NO.9SE-B/F34 AT TAT TUNG ROAD, TUNG CHUNG

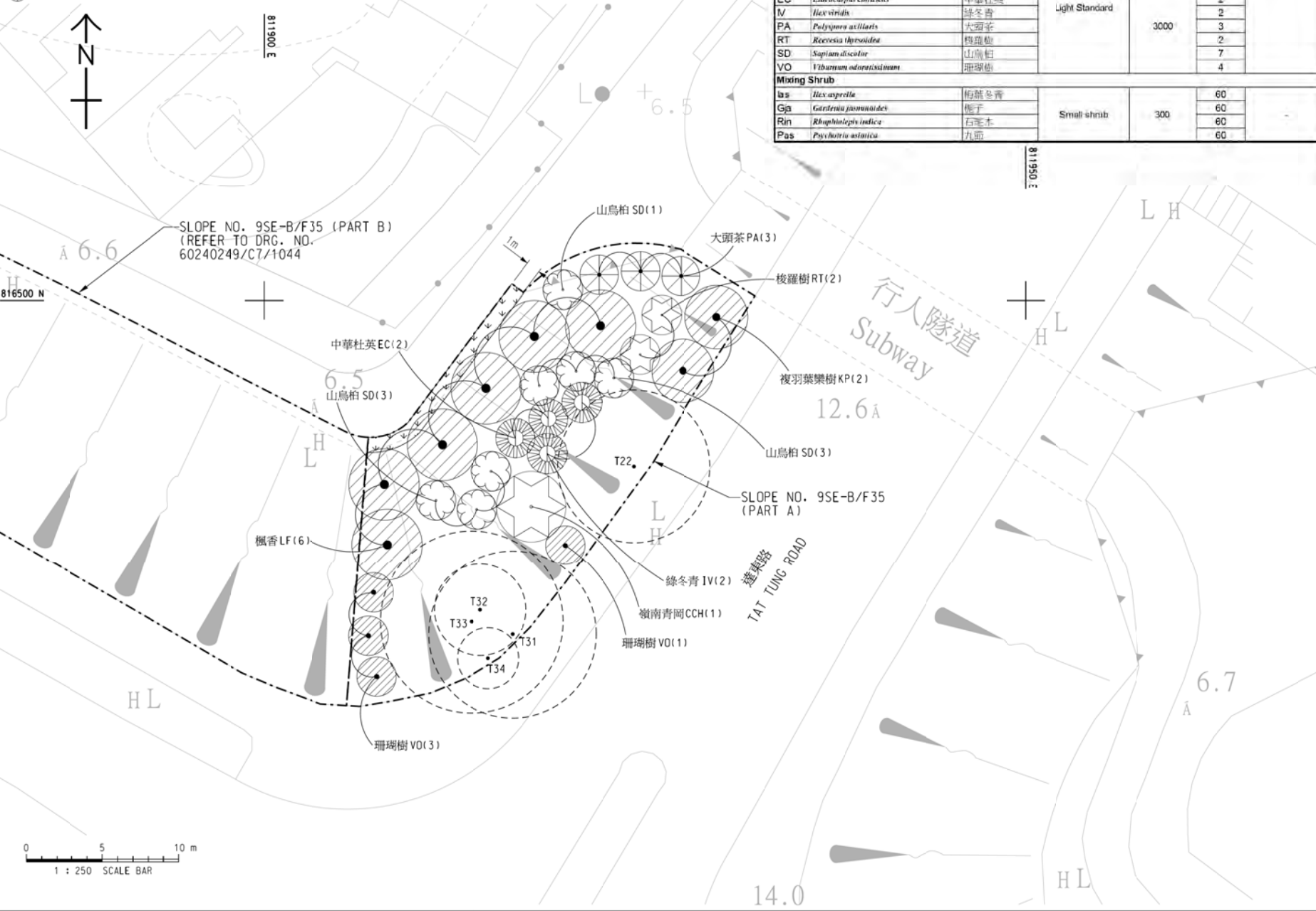
SHEET NUMBER
60240249/C7/1042

LEGEND :

- SITE BOUNDARY
- TREE TO BE RETAINED
- PROPOSED TREE
- ⊞ MIXING SHRUB

- NOTES:**
1. TREE PLANTING
EXACT PLANTING LOCATION TO BE ADJUSTED
ON SITE AS AGREED BY THE ENGINEER.
 2. SHRUB PLANTING
EACH SPECIES TO BE PLANTED IN CLUSTER
OF 20-30 NUMBERS.

Planting Schedule (Tat Tung Road) SIMAR Slope - 9SE-B/F35 (Part A)						
Code	Botanical Name	Chinese Name	Size	Spacing (mm)	Quantity (no.)	Remarks
Feature Tree						
LF	<i>Liquidambar formosana</i>	楓香	Light Standard	5000 or As shown	6	-
Tree						
KP	<i>Koeleretaria paniculata</i>	複羽葉欖樹	Light Standard	4000 or As shown	2	
CCH	<i>Cyclobalanopsis changiiana</i>	嶺南青岡			1	
EC	<i>Elaeocarpus chinensis</i>	中華杜英			2	
IV	<i>Ilex viridis</i>	綠冬青			2	
PA	<i>Polyporus aciliatis</i>	大頭茶			3	
RT	<i>Roveesia thyrsoidea</i>	梭羅樹	2			
SD	<i>Sapium discolor</i>	山烏桕	7			
VO	<i>Viburnum odoratissimum</i>	珊瑚樹	4			
Mixing Shrub						
Is	<i>Ilex asprella</i>	梅葉冬青	Small shrub	300	60	
Gja	<i>Gardenia jasminoides</i>	梔子			60	
Rin	<i>Rhaphidolepis indica</i>	石栗木			60	
Pas	<i>Psychotria asiatica</i>	九節			60	



AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT
路政署 HIGHWAYS DEPARTMENT
主要工程管理處 (專業事務)
Major Works Project Management Office (Special Duties)

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS

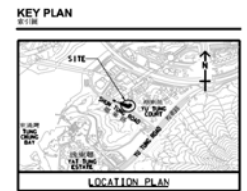
ISSUE/REVISION

NO.	DESCRIPTION	DATE	BY	CHECKED

STATUS

NO.	DATE	DESCRIPTION	CHK.

SCALE
A3 1:250



PROJECT NO. 60240249 CONTRACT NO. HY/2021/13

SHEET TITLE
TREE AND SHRUB PLANTING PLAN FOR SLOPE NO.9SE-B/F35 (PART A) AT TAT TUNG ROAD, TUNG CHUNG

SHEET NUMBER
60240249/C7/1043

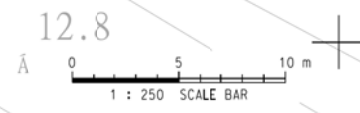
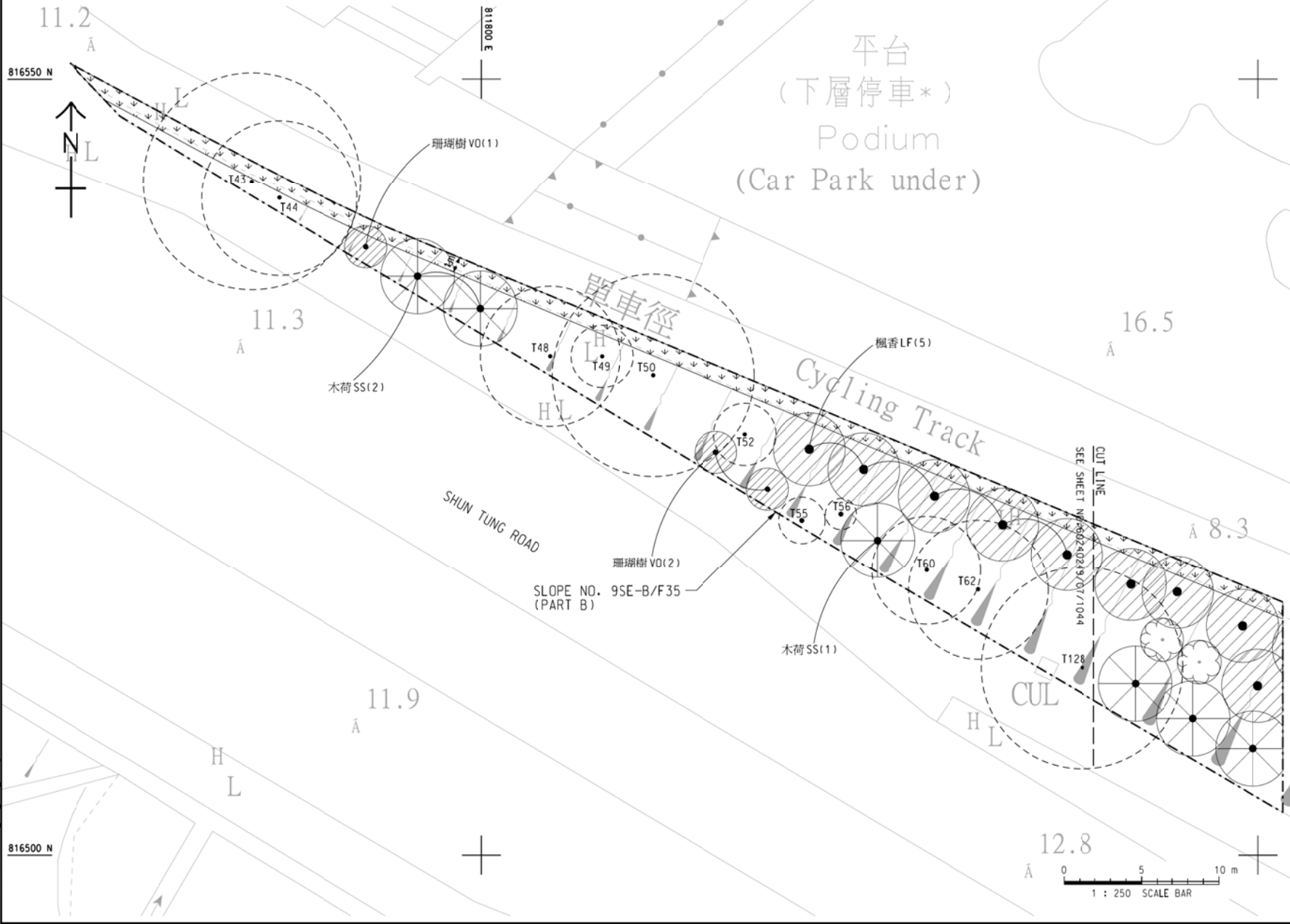
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LEGEND :

- SITE BOUNDARY
- TREE TO BE RETAINED
- PROPOSED TREE
- ⊞ MIXING SHRUB

NOTES:

1. TREE PLANTING
EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.
2. SHRUB PLANTING
EACH SPECIES TO BE PLANTED IN CLUSTER OF 20-30 NUMBERS.
3. PLANTING SCHEDULE REFER TO DRAWING NO.60240249/C7/1044



PROJECT
 TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
 PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT
 路政署 HIGHWAYS DEPARTMENT
 主要工程管理處 (專業事務) Major Works Project Management Office (Special Duties)

CONSULTANT
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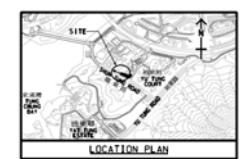
ISSUE/REVISION

NO.	DATE	DESCRIPTION	CHK.
1	2021/13	TENDER DRAWING	CWA

STATUS

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KEY PLAN

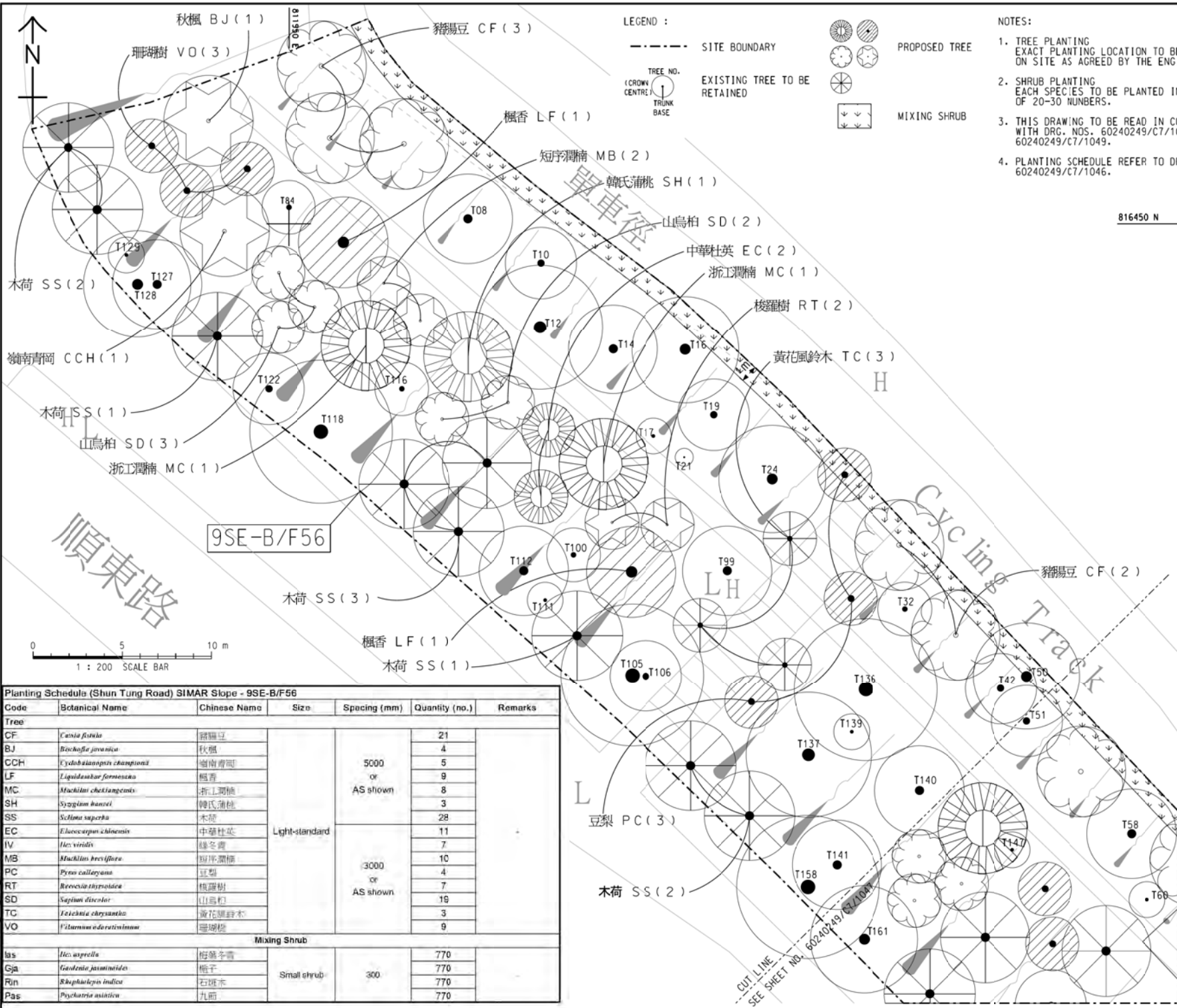


PROJECT NO. 60240249 **CONTRACT NO.** HY/2021/13

SHEET TITLE
 TREE AND SHRUB PLANTING PLAN FOR SLOPE NO.9SE-B/F35 (PART B) AT TAI TUNG ROAD, TUNG CHUNG

SHEET NUMBER
 60240249/C7/1045

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LEGEND :

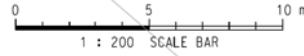
- SITE BOUNDARY
- TREE NO. (CROWN CENTRE) TRUNK BASE
- EXISTING TREE TO BE RETAINED
- PROPOSED TREE
- MIXING SHRUB

- NOTES:**
- TREE PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.
 - SHRUB PLANTING EACH SPECIES TO BE PLANTED IN CLUSTER OF 20-30 NUMBERS.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH DRG. NOS. 60240249/C7/1046 TO 60240249/C7/1049.
 - PLANTING SCHEDULE REFER TO DRG. NO. 60240249/C7/1046.

816450 N
812000 E

順東路

Cyc line & Track



Planting Schedule (Shun Tung Road) SIMAR Slope - 9SE-B/F56

Code	Botanical Name	Chinese Name	Size	Spacing (mm)	Quantity (no.)	Remarks
Tree						
CF	<i>Cassia fistula</i>	豬腸豆	Light-standard	5000 or AS shown	21	
BJ	<i>Bischofia javanica</i>	秋楓			4	
CCH	<i>Cydonia sinensis</i>	嶺南青岡			5	
LF	<i>Liquidambar formosana</i>	楓香			9	
MC	<i>Machilus chekiangensis</i>	浙江潤楠			8	
SH	<i>Syzygium hancei</i>	韓氏蒲桃			3	
SS	<i>Schinus molle</i>	木荷			28	
EC	<i>Elaeagnus argentea</i>	中華杜英			11	
IV	<i>Ilex viridis</i>	綠冬青			7	
MB	<i>Machilus breviflora</i>	短序潤楠			10	
PC	<i>Persea calleryana</i>	豆梨	4			
RT	<i>Reevesia thrysioides</i>	梭羅樹	7			
SD	<i>Sapium discolor</i>	山烏柏	19			
TC	<i>Faehnia chrysantha</i>	黃花風鈴木	3			
VO	<i>Viburnum odoratissimum</i>	珊瑚樹	9			
Mixing Shrub						
Is	<i>Ilex asprella</i>	梅冬青	Small shrub	300	770	
Gja	<i>Gardenia jasminoides</i>	梔子			770	
Rin	<i>Rapanea indica</i>	石斑木			770	
Pa	<i>Psychotria asiatica</i>	九節			770	

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT
路政署 HIGHWAYS DEPARTMENT
主要工程管理處 (專業事務) Major Works Project Management Office (Special Duties)

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS

ISSUE/REVISION

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STATUS

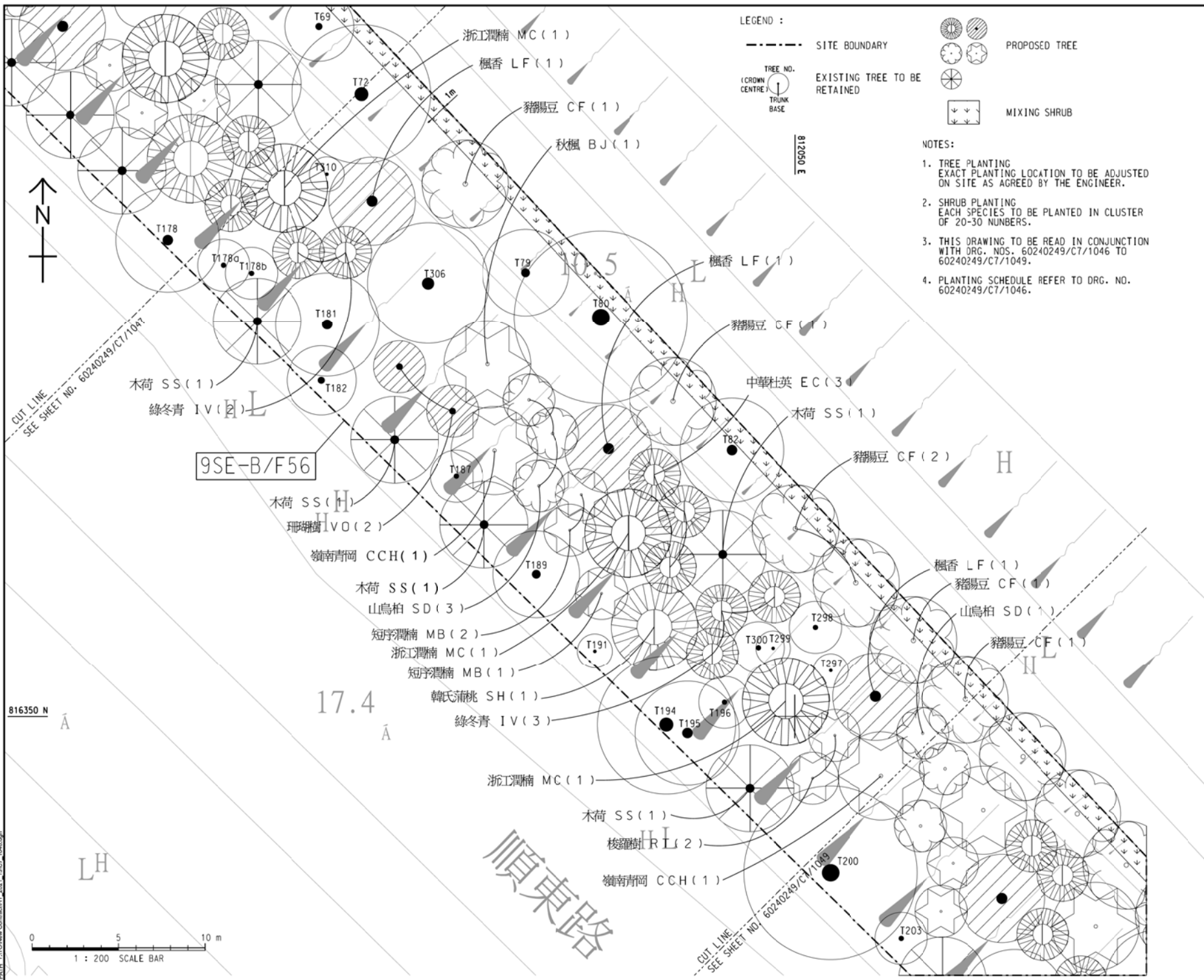
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PROJECT NO. 60240249 **CONTRACT NO.** HY/2021/13

SHEET TITLE
TREE AND SHRUB PLANTING PLAN FOR SLOPE NO.9SE-B/F56 AT SHUNTUNG ROAD, TUNG CHUNG SHEET 1 OF 4

SHEET NUMBER
60240249/C7/1046



LEGEND :

- SITE BOUNDARY
- CUT LINE
- (CROWN CENTRE) ● (TRUNK BASE) TREE NO.
- EXISTING TREE TO BE RETAINED
- PROPOSED TREE
- MIXING SHRUB

NOTES:

1. TREE PLANTING EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.
2. SHRUB PLANTING EACH SPECIES TO BE PLANTED IN CLUSTER OF 20-30 NUMBERS.
3. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRG. NOS. 60240249/C7/1046 TO 60240249/C7/1049.
4. PLANTING SCHEDULE REFER TO DRG. NO. 60240249/C7/1046.

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT
路政署 HIGHWAYS DEPARTMENT
主要工程管理處 (專業事務) Major Works Project Management Office (Special Duties)

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS

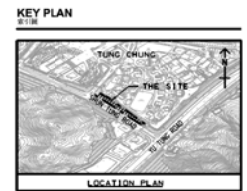
ISSUE/REVISION

NO.	DATE	DESCRIPTION	CHK.
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3			
4			
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8			
9			
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STATUS

SCALE DIMENSION UNIT
A3 1:200 METERS

KEY PLAN



PROJECT NO. 60240249 CONTRACT NO. HY/2021/13

SHEET TITLE

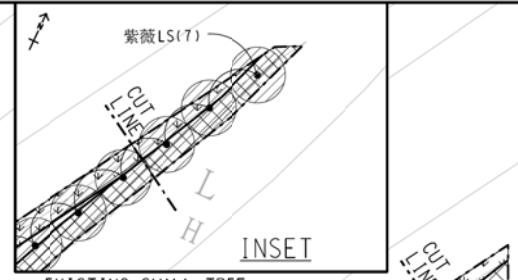
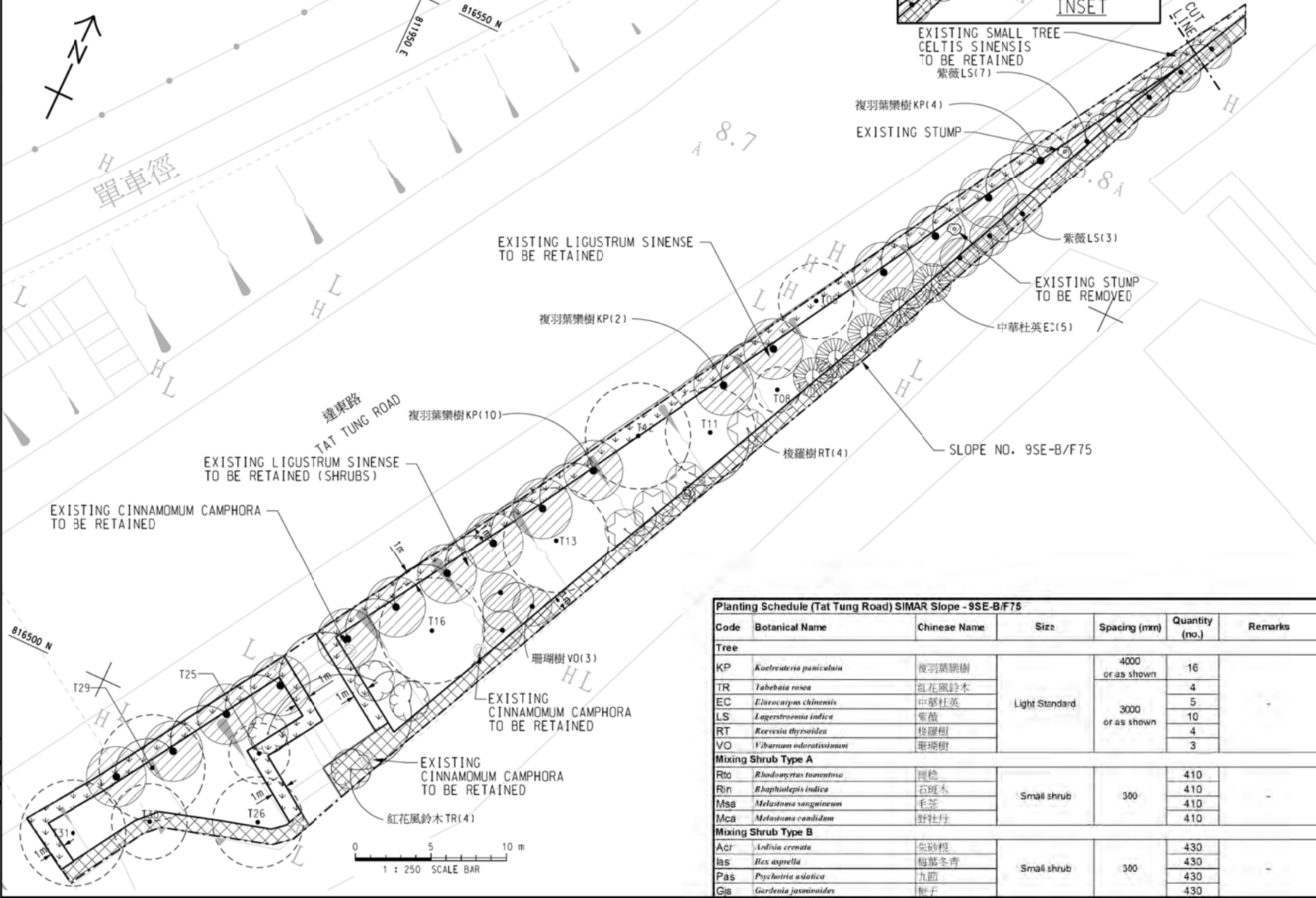
TREE AND SHRUB PLANTING PLAN FOR SLOPE NO.9SE-B/F56 AT SHUNTUNG ROAD, TUNG CHUNG SHEET 3 OF 4

SHEET NUMBER
60240249/C7/1048

LEGEND :

- SITE BOUNDARY
- EXISTING STUMP TO BE REMOVED
- ⊙ TREE TO BE RETAINED
- ⊗ MIXING SHRUB TYPE A
- ⊘ PROPOSED TREE
- ⊙ MIXING SHRUB TYPE B

- NOTES:**
- TREE PLANTING EXACT PLANTING LOCATION TO BE ADJUSTED ON SITE AS AGREED BY THE ENGINEER.
 - SHRUB PLANTING EACH SPECIES TO BE PLANTED IN CLUSTER OF 20-30 NUMBERS.



Planting Schedule (Tat Tung Road) SIMAR Slope - 9SE-B/F75

Code	Botanical Name	Chinese Name	Size	Spacing (mm)	Quantity (no.)	Remarks
Tree						
KP	<i>Koeleria paniculata</i>	複羽葉欖樹	Light Standard	4000 or as shown	16	
TR	<i>Tabebuia rosea</i>	紅花風鈴木		4		
EC	<i>Elaeocarpus chinensis</i>	中華杜英		5		
LS	<i>Lagerstroemia indica</i>	紫薇		10		
RT	<i>Koevesia thyrsoidea</i>	梭羅樹		3000 or as shown	4	
VO	<i>Viburnum odoratissimum</i>	珊瑚樹			3	
Mixing Shrub Type A						
Rto	<i>Rhodomyrtus tomentosa</i>	圓穗	Small shrub	300	410	
Rin	<i>Raphirolepis indica</i>	石斑木			410	
Msa	<i>Melastoma sanguineum</i>	毛蕊			410	
Mca	<i>Melastoma candidum</i>	野牡丹			410	
Mixing Shrub Type B						
Acr	<i>Ardisia crenata</i>	紫粉櫻	Small shrub	300	430	
las	<i>Hex asprella</i>	梅蕊冬青			430	
Pas	<i>Psychotria asiatica</i>	九節			430	
Gis	<i>Gardenia jasminoides</i>	梔子			430	

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

CLIENT
路政署 HIGHWAYS DEPARTMENT
主要工程管理處 (專業事務) Major Works Project Management Office (Special Duties)

CONSULTANT
AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS
怡和建築有限公司

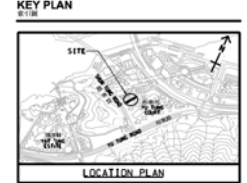
ISSUE/REVISION

NO.	DESCRIPTION	DATE	BY	CHECKED
1	ISSUED FOR TENDER DRAWING	21/08/2021	CWN	CWN

STATUS
REVISED

SCALE
A3 1:250

DIMENSION UNIT
公制



PROJECT NO. 60240249 CONTRACT NO. HY/2021/13

SHEET TITLE
TREE AND SHRUB PLANTING PLAN FOR SLOPE NO.9SE-B/F75 AT TAT TUNG ROAD, TUNG CHUNG

SHEET NUMBER
60240249/C/1051

GENERAL NOTES :

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO LA2014.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
3. PLANTING TO SUIT EXISTING RETAINED TREES, SHRUBS.
4. ALL NEW PLANT MATERIALS SHALL BE GROWN AND SUPPLIED IN CONTAINERS WITH APPROPRIATE SIZE AND FREE FROM PEST AND DISEASE.
5. THE SETTING OUT OF TREE PLANTING LOCATIONS SHALL BE AGREED BY THE GOVERNMENT REPRESENTATIVES ON-SITE BEFORE PLANTING.
6. ACTUAL PLANTING LOCATION TO BE CONFIRMED AND ADJUSTED ON SITE AS INSTRUCTED BY THE GOVERNMENT REPRESENTATIVE.
7. SITE CLEARANCE, GRASS CUTTING AND WEEDING TO BE ARRANGED PRIOR TO PLANTING.
8. APPROPRIATE SOIL CONDITIONER, FERTILIZER, AND MULCHING SHALL BE APPLIED TO EACH EXCAVATED PLANTING HOLES PRIOR TO PLANTING.

Sheet no.	Sheet Name
LA1001	General Notes and Location Plan
LA2001	Tree Planting Plan - Slope No. 10NW-D/FR89 (Page 1 of 3)
LA2002	Tree Planting Plan - Slope No. 10NW-D/FR89 (Page 2 of 3)
LA2003	Tree Planting Plan - Slope No. 10NW-D/FR89 (Page 3 of 3)
LA2004	Tree Planting Plan - Slope No. 10NW-D/FR90 (Page 1 of 1)
LA2005	Tree Planting Plan - Slope No. 10NW-D/F88 (Page 1 of 2)
LA2006	Tree Planting Plan - Slope No. 10NW-D/F88 (Page 2 of 2)
LA2007	Tree Planting Plan - Slope No. 10NW-D/F86 (Page 1 of 2)
LA2008	Tree Planting Plan - Slope No. 10NW-D/F86 (Page 2 of 2)
LA2009	Tree Planting Plan - Slope No. 10NE-C/F4 (Page 1 of 2)
LA2010	Tree Planting Plan - Slope No. 10NE-C/F4 (Page 2 of 2)
LA2011	Tree Planting Plan - Slope No. 10NE-C/F5 (Page 1 of 2)
LA2012	Tree Planting Plan - Slope No. 10NE-C/F5 (Page 2 of 2)
LA2013	Tree Planting Specification (Sheet 1 of 2)
LA2014	Tree Planting Specification (Sheet 2 of 2)

LEGEND :

- SLOPE BOUNDARY
- ☒ PLANTING AREA A
(SLOPE NO. 10NW-D/FR89,
10NW-D/FR90, 10NW-D/F88,
10NW-D/F86)
- ▨ PLANTING AREA B
(SLOPE NO. 10NE-C/F4)
- ☒ PLANTING AREA C
(SLOPE NO. 10NE-C/F5)
- ☒ PLANTING AREA D
(SLOPE NO. 10NW-D/F88)

A no.	6/21 date	General Revision description	SIGNED initial

REVISION			
	name	initial	date
designed	W.S. WONG	SIGNED	JAN 21
drawn	M.K. OR	SIGNED	JAN 21
checked	W.H. KWOK	SIGNED	JAN 21

approved	SIGNED		
	W.F. YAU		JAN 21
	Senior Landscape Architect		Date

contract no. Hy(S)0/088/2020

file no. -

project no.

contract
PROVISION OF ECOLOGICAL
ENHANCEMENT PLANTING AND
YARD WASTE RECYCLING ON SLOPES
AT NORTH LANTAU ISLAND

drawing title

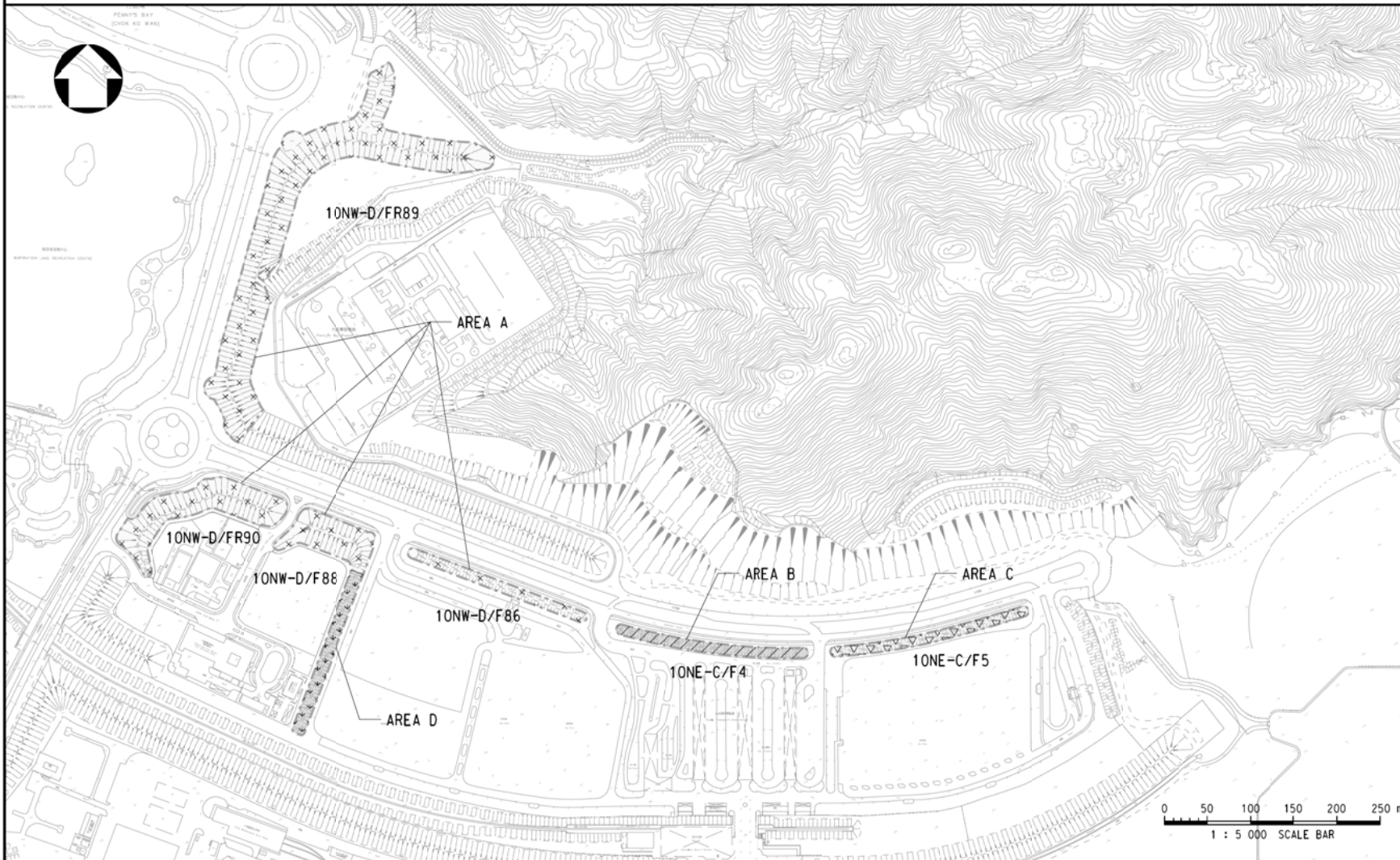
GENERAL NOTES AND
LOCATION PLAN

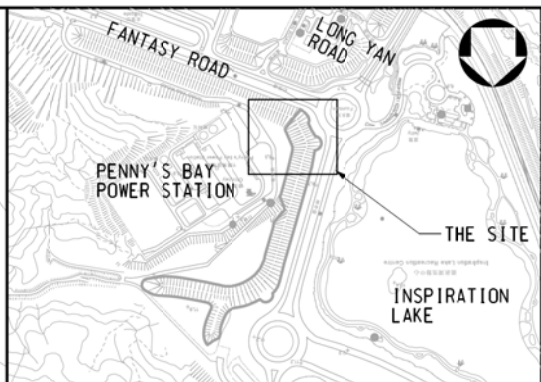
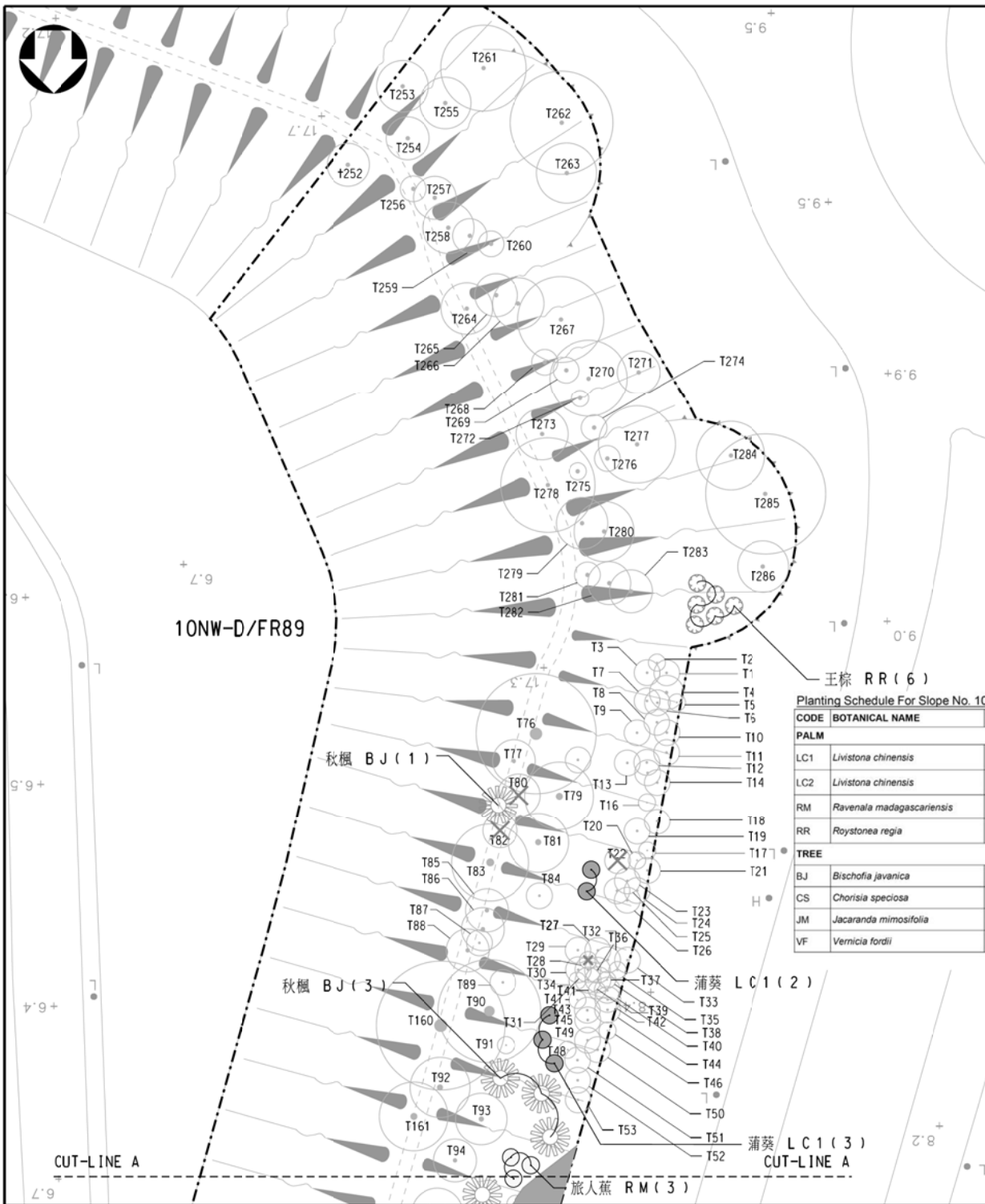
drawing no.	scale
HLANT1509-LA1001-A	1 : 5000 OR AS SHOWN

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HIGHWAYS 路
DEPARTMENT 政
HONG KONG 署





LOCATION PLAN
1 : 10 000

NOTES :
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2014.
2. NOTES OF DRAWING REFER TO HLANT1509-LA1001.

LEGEND :

- SLOPE BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- PROPOSED TREE

A	6/21	General Revision	SIGNED
no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		M.K. OR	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21
approved		SIGNED	
		W.F. YAU	JAN 21
		Senior Landscape Architect	Date
contract no.	Hy(S)0/088/2020		
file no.	-		
project no.	-		

Planting Schedule For Slope No. 10NW-D/FR89 (Drawing No. LA2001, LA2002 and LA2003) in Area A

CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	QUANTITY	REMARKS
PALM						
LC1	<i>Livistona chinensis</i>	蒲葵	Medium Palm 1.5m(H) trunk	2300 or as shown	6	All palms shall have a minimum of 5 fronds
LC2	<i>Livistona chinensis</i>	蒲葵	Medium Palm 2.5m(H) trunk	2300 or as shown	9	
RM	<i>Ravenala madagascariensis</i>	旅人蕉	Medium Palm 2.5m(H) overall	2300 or as shown	9	
RR	<i>Roystonea regia</i>	王棕	Large Palm 3m(H) trunk	3000 or as shown	14	
TREE						
BJ	<i>Bischofia javanica</i>	秋楓	Light standard	5300 or as shown	25	All trees shall have a well-defined straight and upright leader with branches growing out from the stem with reasonable symmetry
CS	<i>Chorisia speciosa</i>	美人樹	Light standard	4000 or as shown	13	
JM	<i>Jacaranda mimosifolia</i>	藍花楸	Light standard	5300 or as shown	8	
VF	<i>Vernicia fordii</i>	油桐	Light standard	5300 or as shown	17	
				TOTAL	101	

contract
PROVISION OF ECOLOGICAL
ENHANCEMENT PLANTING AND
YARD WASTE RECYCLING ON SLOPES
AT NORTH LANTAU ISLAND

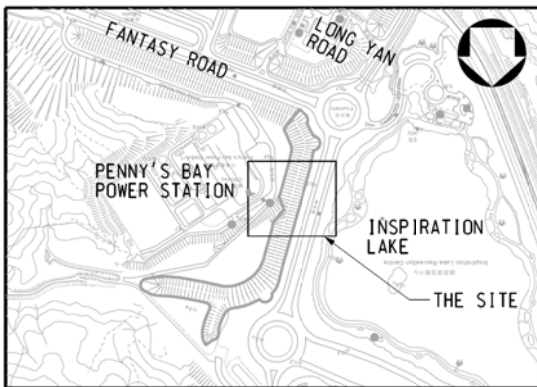
drawing title
TREE PLANTING PLAN - SLOPE NO.
10NW-D/FR89 (AREA A)
(SHEET 1 OF 3)

drawing no.	scale
HLANT1509-LA2001-A	1 : 500 OR AS SHOWN

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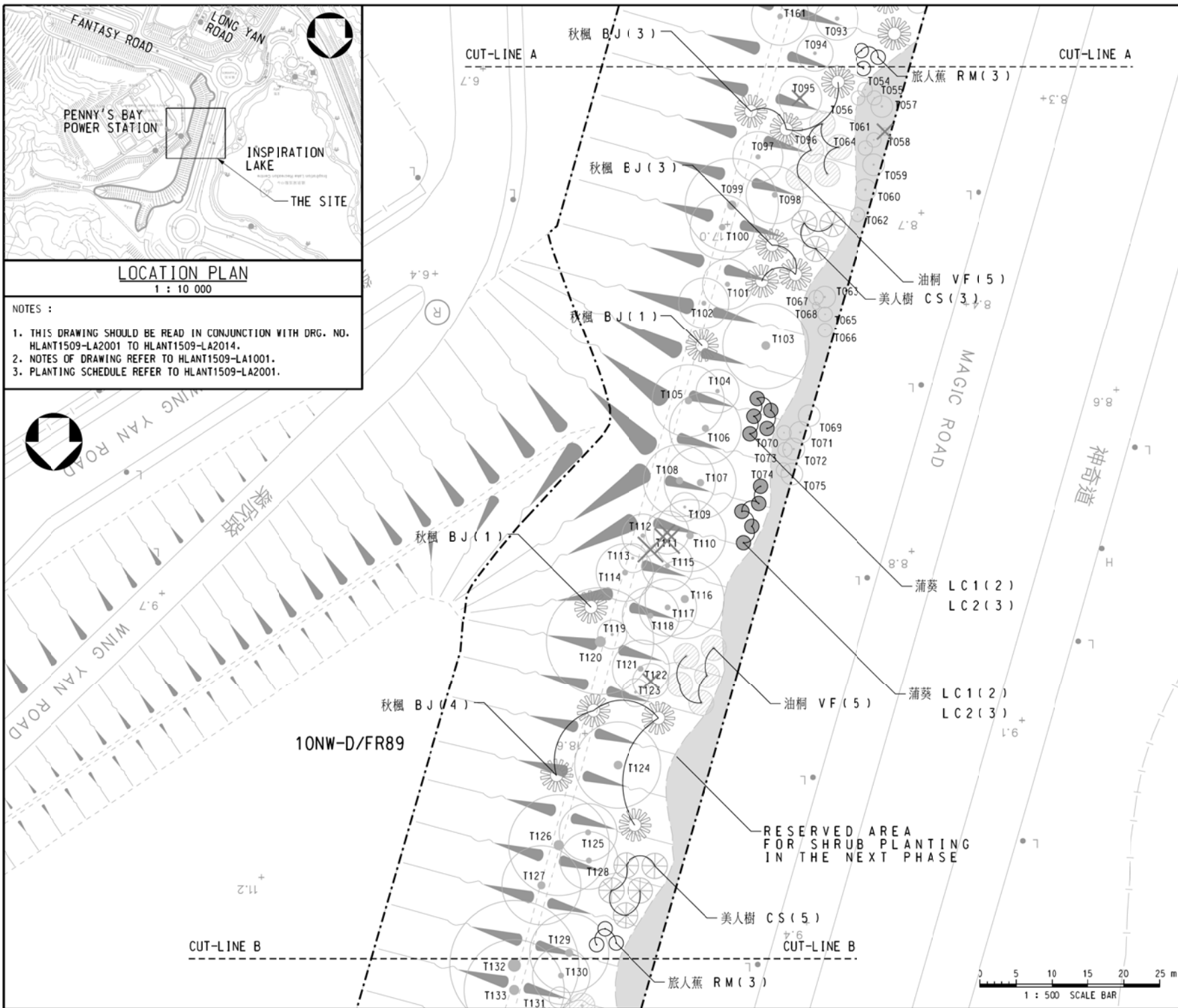


LOCATION PLAN

1 : 10 000

NOTES :

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2014.
2. NOTES OF DRAWING REFER TO HLANT1509-LA1001.
3. PLANTING SCHEDULE REFER TO HLANT1509-LA2001.



LEGEND :

- [Dashed line] SLOPE BOUNDARY
- [Circle with dot] EXISTING TREE
- [Circle with X] EXISTING TREE TO BE REMOVED
- [Circle with cross-hatch] PROPOSED TREE

A	6/21	General Revision	SIGNED
no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		M.K. OR	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21

approved
 SIGNED
 W.F. YAU
 Senior Landscape Architect
 Date JAN 21

contract no. Hy(S)0/088/2020

file no. -

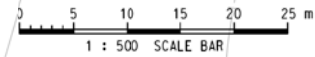
project no.
 contract
 PROVISION OF ECOLOGICAL
 ENHANCEMENT PLANTING AND
 YARD WASTE RECYCLING ON SLOPES
 AT NORTH LANTAU ISLAND

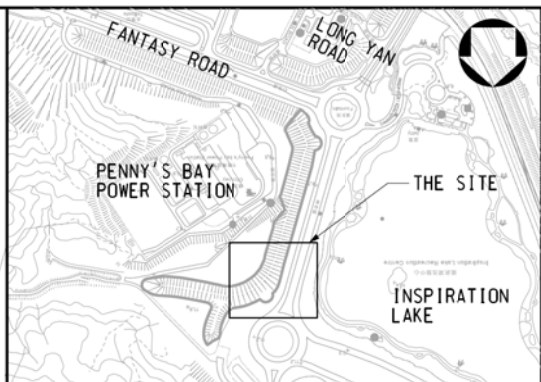
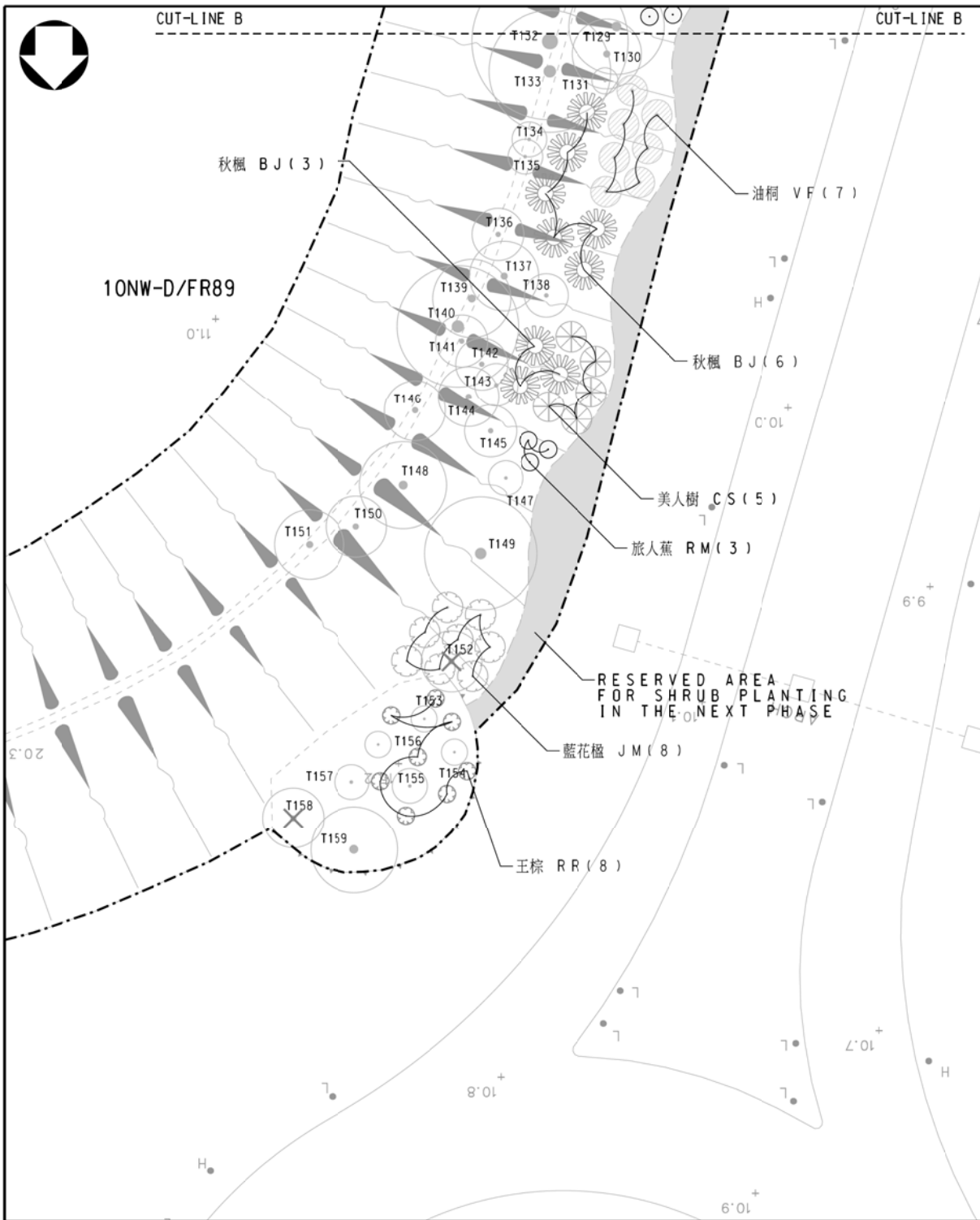
drawing title
 TREE PLANTING PLAN - SLOPE NO.
 10NW-D/FR89 (AREA A)
 (SHEET 2 OF 3)

drawing no.	scale
HLANT1509-LA2002-A	1 : 500 OR AS SHOWN

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LOCATION PLAN
1 : 10 000

NOTES :
 1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2014.
 2. NOTES OF DRAWING REFER TO HLANT1509-LA1001.
 3. PLANTING SCHEDULE REFER TO HLANT1509-LA2001.

LEGEND :

- SLOPE BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- PROPOSED TREE

A no.	date	description	SIGNED initial
REVISION			
		name	initial date
designed	6/21	W.S. WONG	SIGNED JAN 21
drawn		Y.C. CHOI	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21

approved
 SIGNED
 W.F. YAU
 Senior Landscape Architect
 JAN 21
 Date

contract no. Hy(S)0/088/2020

file no. -

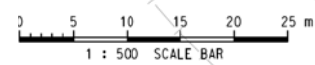
project no.
 contract
 PROVISION OF ECOLOGICAL ENHANCEMENT PLANTING AND YARD WASTE RECYCLING ON SLOPES AT NORTH LANTAU ISLAND

drawing title
 TREE PLANTING PLAN - SLOPE NO. 10NW-D/FR89 (AREA A) (SHEET 3 OF 3)

drawing no.	scale
HLANT1509-LA2003-A	1 : 500 OR AS SHOWN

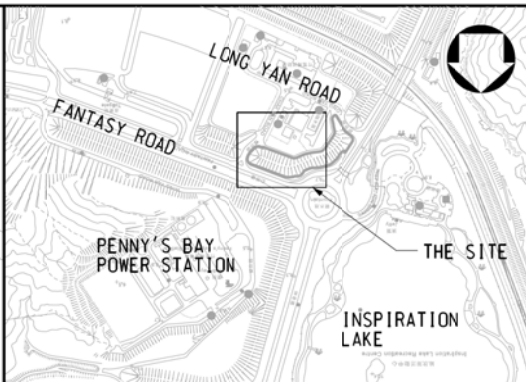
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Planting Schedule For Slope No. 10NW-D/FR90 (Drawing No. LA2004) in Area A

CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	QUANTITY	REMARKS
PALM						
BN	<i>Bismarckia nobilis</i>	霸王棕	Medium Palm 3m overall height	4000 or as shown	3	All palms shall have a minimum of 5 fronds
TREE						
CF	<i>Castanopsis fissa</i>	裂斗锥栗	Light standard	5000 or as shown	11	All trees shall have a well-defined straight and upright leader with branches growing out from the stem with reasonable symmetry
CM	<i>Cyclobalanopsis myrsinifolia</i>	小葉青岡	Light standard	4000 or as shown	9	
MM	<i>Michelia maudiae</i>	深山含笑	Light standard	4000 or as shown	4	
MG	<i>Magnolia grandiflora</i>	荷花玉蘭	Light standard	4000 or as shown	7	
YD	<i>Yulania denudata</i>	白玉蘭	Light standard	4000 or as shown	11	
YS	<i>Yulania x soulangeana</i>	二喬木蘭	Light standard	4000 or as shown	13	
SPECIMEN SHRUB						
YL	<i>Yulania liliiflora</i>	紫玉蘭	1.5m(H) 1m(spread)	4000 or as shown	7	
TOTAL					65	



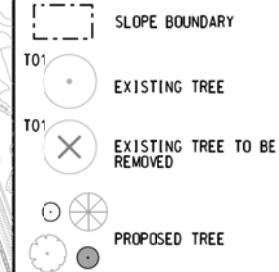
LOCATION PLAN

1 : 10 000

NOTES :

- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2014.
- NOTES OF DRAWING REFER TO HLANT1509-LA1001.

LEGEND :



A	6/21	General Revision	SIGNED
no.	date	description	initial

REVISION			
	name	initial	date
designed	W.S. WONG	SIGNED	JAN 21
drawn	M.K. OR	SIGNED	JAN 21
checked	W.H. KWOK	SIGNED	JAN 21

approved	SIGNED	
	W.F. YAU	JAN 21
	Senior Landscape Architect	Date

contract no.	Hy(S)0/088/2020
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file no.	-
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project no.	
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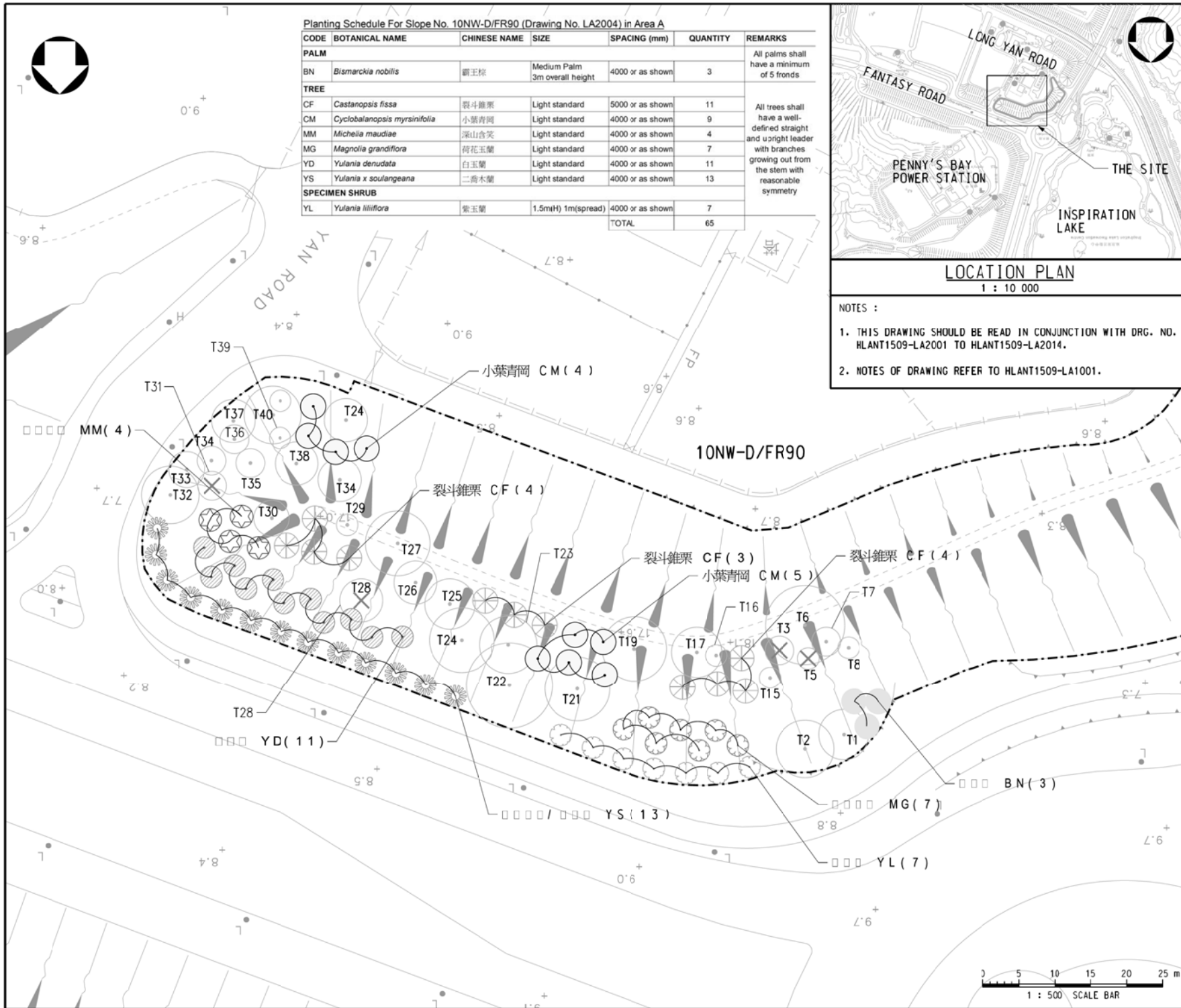
contract
PROVISION OF ECOLOGICAL
ENHANCEMENT PLANTING AND
YARD WASTE RECYCLING ON SLOPES
AT NORTH LANTAU ISLAND

drawing title
TREE PLANTING PLAN - SLOPE NO.
10NW-D/FR90 (AREA A)

drawing no.	HLANT1509-LA2004-A	scale	1 : 500 OR AS SHOWN
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CUT-LINE A

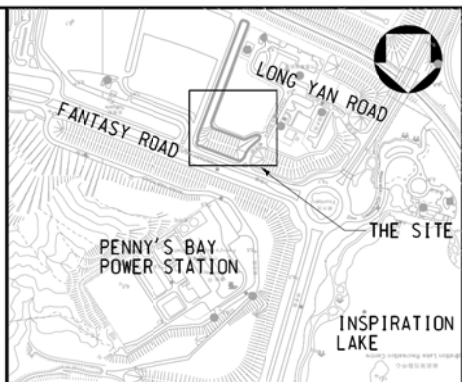
CUT-LINE A

AREA D

AREA A

10NW-D/F88

CHAK YAN ROAD



LOCATION PLAN

1 : 10 000

NOTES :

- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2015.
- NOTES OF DRAWING REFER TO HLANT1509-LA1001.

Planting Schedule For Slope No. 10NW-D/F88 (Drawing No. LA2005 and LA2006)

CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	QUANTITY	REMARKS	
TREE							
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	Light standard	4000 or as shown	10	All trees shall have a well-defined straight and upright leader with branches growing out from the stem with reasonable symmetry	
LS	<i>Lagerstroemia speciosa</i>	大花紫薇	Light standard	4000 or as shown	6		
SL	<i>Sterculia lanceolata</i>	假蘋婆	Light standard	4000 or as shown	3		
PT	<i>Pandanus tectorius</i>	林投樹	Light standard	4000 or as shown	6		
VO	<i>Viburnum odoratissimum</i>	珊瑚樹	Light standard	4000 or as shown	4		
SPECIMEN TREE							
PR	<i>Plumeria rubra</i>	紅雞蛋花	2000mm (Height) 2000mm (Spread)	4000 or as shown	10		
					TOTAL	39	

紅雞蛋花 PR(5)

珊瑚樹 VO(4)

林投樹 PT(6)

假蘋婆 SL(3)

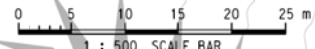
大葉紫薇 LS(3)

紅雞蛋花 PR(5)

大葉紫薇 LS(3)

宮粉洋蹄甲 BV(10)

EXISTING SHRUBS (朱蕉CORDYLINE FRUTICOSA) TO BE PRESERVED.



LEGEND :

- SLOPE BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- PROPOSED TREE
- PROPOSED SPECIMEN TREE (PLUMERIA RUBRA 紅雞蛋花)

A	6/21	General Revision	SIGNED
no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		Y.C. CHOI	SIGNED JAN 21
checked		L.N. CHAN	SIGNED JAN 21

approved SIGNED
W.F. YAU JAN 21
 Senior Landscape Architect Date

contract no. Hy(S)10/088/2020

file no. -

project no.

contract
 PROVISION OF ECOLOGICAL
 ENHANCEMENT PLANTING AND
 YARD WASTE RECYCLING ON SLOPES
 AT NORTH LANTAU ISLAND

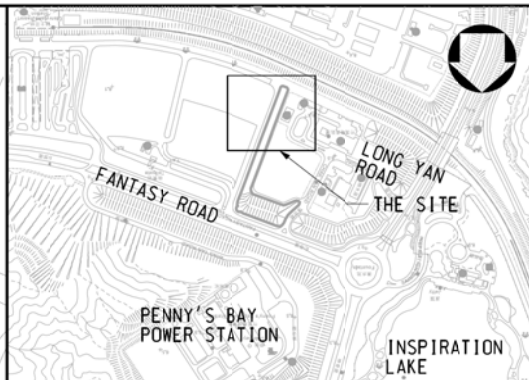
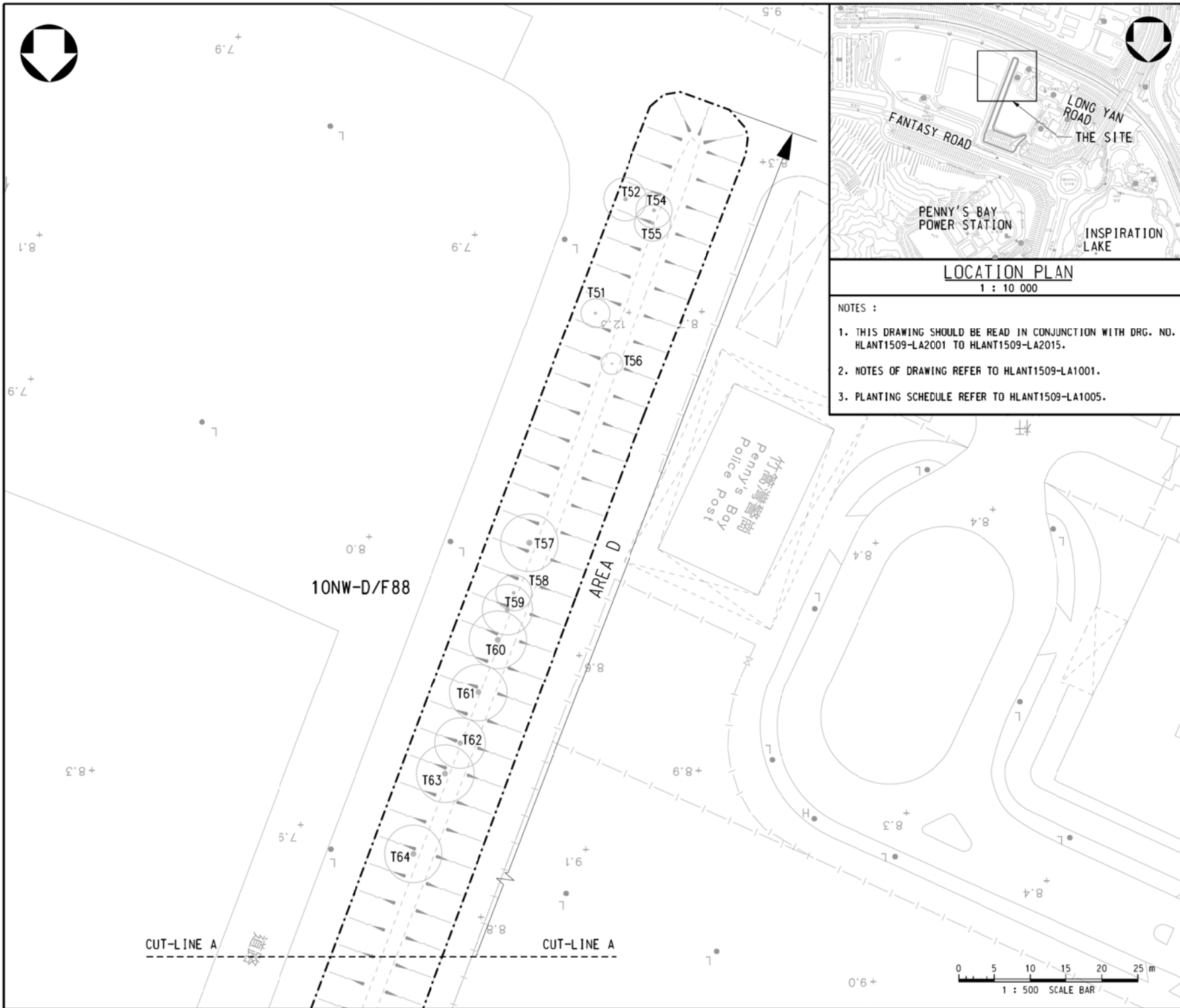
drawing title
 TREE PLANTING PLAN - SLOPE NO.
 10NW-D/F88 (AREA A & AREA D)
 (SHEET 1 OF 2)

drawing no. HLANT1509-LA2005-A
 scale 1 : 500 OR AS SHOWN

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LOCATION PLAN
1 : 10 000

- NOTES :
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2015.
 2. NOTES OF DRAWING REFER TO HLANT1509-LA1001.
 3. PLANTING SCHEDULE REFER TO HLANT1509-LA1005.

LEGEND :

- SLOPE BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- PROPOSED TREE
- PROPOSED SPECIMEN TREE (PLUMERIA RUBRA 紅雞蛋花)

A	6/21	General Revision	SIGNED
no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		Y.C. CHOI	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21

approved
SIGNED
W.F. YAU
Senior Landscape Architect
Date JAN 21

contract no. Hy(S)0/088/2020

file no. -

project no.

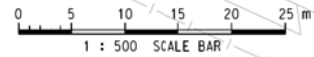
contract
PROVISION OF ECOLOGICAL
ENHANCEMENT PLANTING AND
YARD WASTE RECYCLING ON SLOPES
AT NORTH LANTAU ISLAND

drawing title
TREE PLANTING PLAN - SLOPE NO.
10NW-D/F88 (AREA D)
(SHEET 2 OF 2)

drawing no.	scale
HLANT1509-LA2006-A	1 : 500 OR AS SHOWN

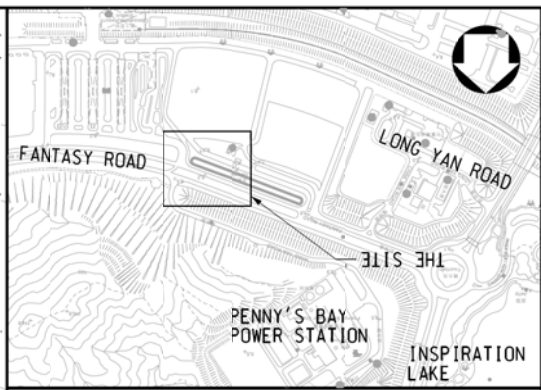
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Planting Schedule For Slope No. 10NW-D/F86 (Drawing No. LA2007 and LA2008) in Area A

CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	QUANTITY	REMARKS
TREE						
FM1	<i>Ficus microcarpa</i>	細葉榕	Light standard	5000 or as shown	1	All trees shall have a well-defined straight and upright leader with branches growing out from the stem with reasonable symmetry
KB	<i>Koelreuteria bipinnata</i>	複羽葉欖樹	Light standard	5000 or as shown	11	
CQ	<i>Clerodendrum quadriloculare</i>	煙火樹	Light standard	4000 or as shown	30	
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	Light standard	4000 or as shown	7	
VO	<i>Viburnum odoratissimum</i>	珊瑚樹	Light standard	4000 or As shown	2	
TOTAL					51	



LOCATION PLAN
1 : 10 000

NOTES :
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2015.
2. NOTES OF DRAWING REFER TO HLANT1509-LA1001.

LEGEND :

- SLOPE BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- PROPOSED TREE

A	6/21	General Revision	SIGNED
no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		M.K. OR	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21
approved		SIGNED W.F. YAU Senior Landscape Architect	JAN 21 Date
contract no.	Hy(S)0/088/2020		
file no.	-		
project no.	-		

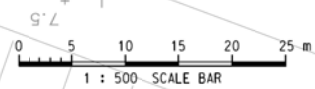
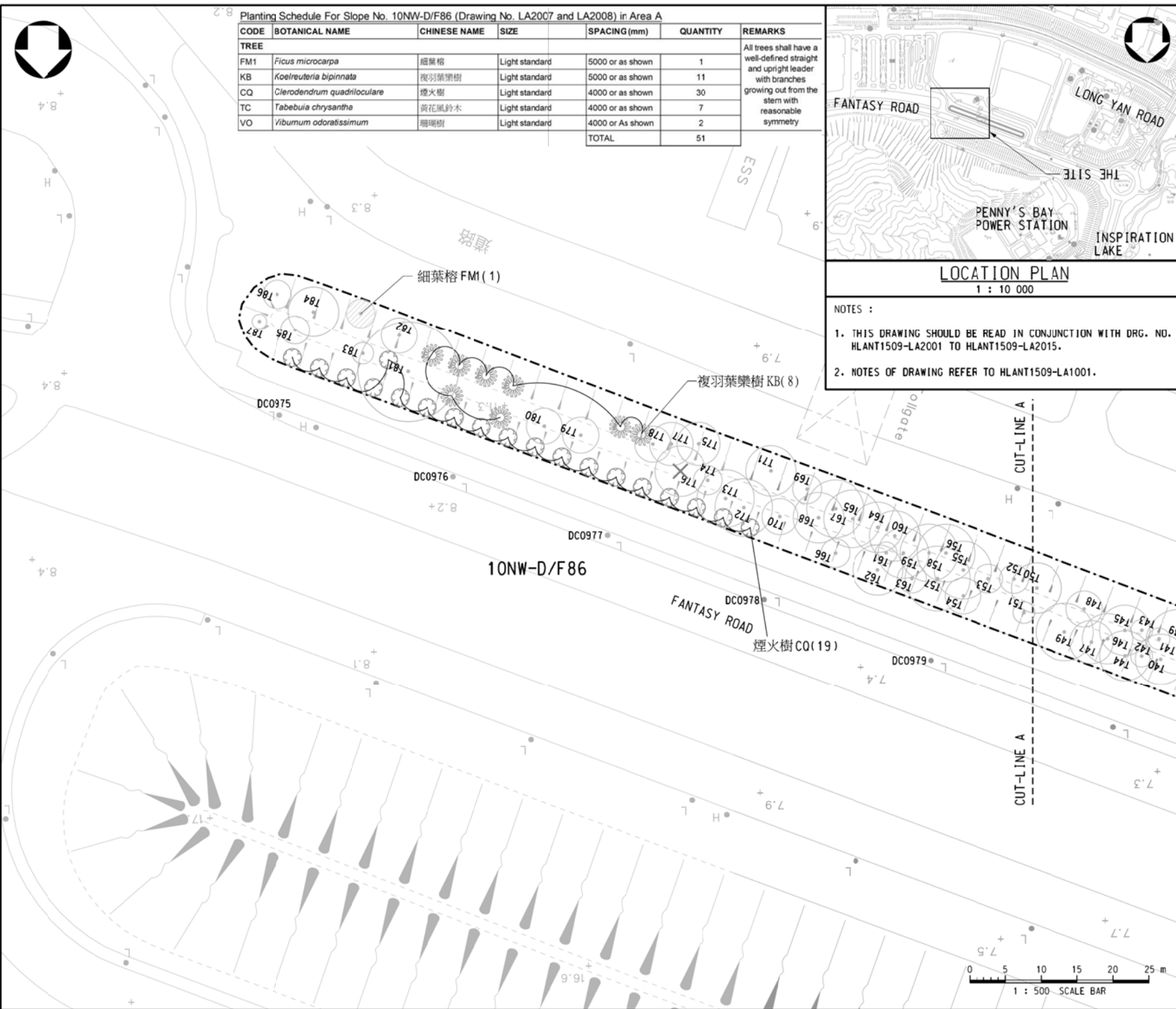
contract
PROVISION OF ECOLOGICAL
ENHANCEMENT PLANTING AND
YARD WASTE RECYCLING ON SLOPES
AT NORTH LANTAU ISLAND

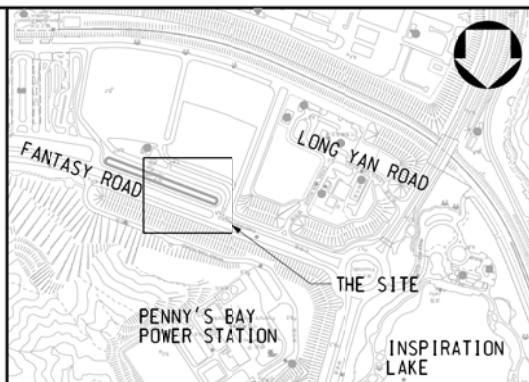
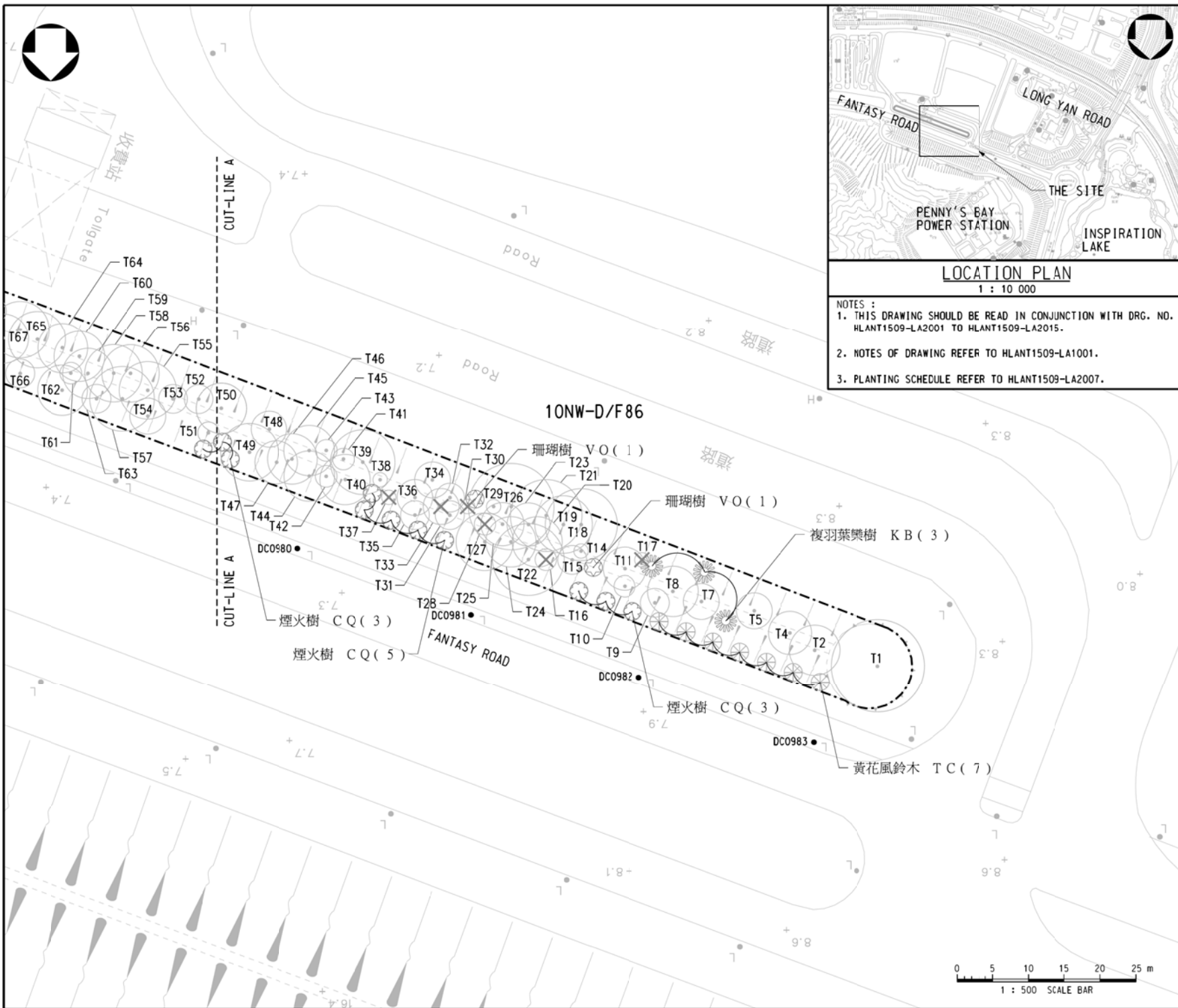
drawing title
TREE PLANTING PLAN - SLOPE NO.
10NW-D/F86 (AREA A)
(SHEET 1 OF 2)

drawing no.	scale
HLANT1509-LA2007-A	1 : 500 OR AS SHOWN

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LOCATION PLAN
1 : 10 000

NOTES :
 1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2015.
 2. NOTES OF DRAWING REFER TO HLANT1509-LA1001.
 3. PLANTING SCHEDULE REFER TO HLANT1509-LA2007.

LEGEND :

- SLOPE BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- PROPOSED TREE

A	6/21	General Revision	SIGNED
no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		M.K. OR	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21

approved
 SIGNED
 W.F. YAU
 Senior Landscape Architect
 Date JAN 21

contract no. Hy(S)0/088/2020
 file no. -
 project no.

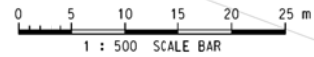
contract
 PROVISION OF ECOLOGICAL
 ENHANCEMENT PLANTING AND
 YARD WASTE RECYCLING ON SLOPES
 AT NORTH LANTAU ISLAND

drawing title
 TREE PLANTING PLAN - SLOPE NO.
 10NW-D/F86 (AREA A)
 (SHEET 2 OF 2)

drawing no.	scale
HLANT1509-LA2008-A	1 : 500 OR AS SHOWN

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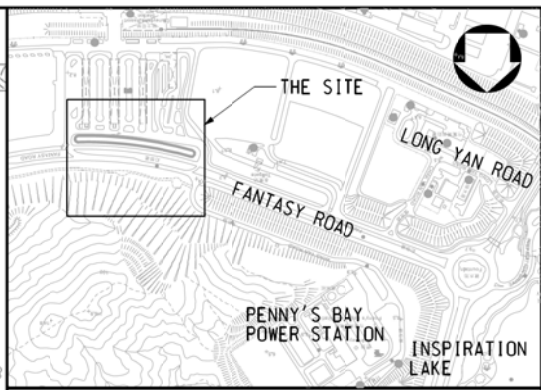
office
 LANDSCAPE DIVISION



Planting Schedule For Slope No. 10NE-C/F4 (Drawing No. LA2009 and LA2010) in Area B

CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	QUANTITY	REMARKS
TREE						
BJ	<i>Bischofia javanica</i>	秋楓	Light standard	5000 or as shown	2	All trees shall have a well-defined straight and upright leader with branches growing out from the stem with reasonable symmetry
FA	<i>Ficus altissima</i>	高山榕	Light standard	5000 or as shown	6	
KB	<i>Koelreuteria bipinnata</i>	複羽葉樂樹	Light standard	5000 or as shown	6	
SD	<i>Sapium discolor</i>	山鳥柏	Light standard	5000 or as shown	21	
RT	<i>Reevesia thyrsoides</i>	梭羅樹	Light standard	4000 or as shown	3	
VO	<i>Vibum odoratissimum</i>	珊瑚樹	Light standard	4000 or as shown	3	
TOTAL					41	

SHRUB						
CJ	<i>Camellia japonica</i>	茶花	1300mm (Height) min 800mm (Spread)	2500	83	To be planted 1.2m from planter edge along Fantasy Road



LOCATION PLAN
1 : 10 000

LEGEND :

- SLOPE BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- PROPOSED TREES
- PROPOSED SHRUB (CODE: CJ)

A	6/21	General Revision	SIGNED
no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		Y.C. CHOI	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21

NOTES :

- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DWG. NO.HLAK1509-LA2001 TO HLANT1509-LA2015, ESPECIALLY DWG. NO.HLANT1509-LA2010.
- NOTES OF DRAWING REFER TO HLANT1509-LA1001.
- PROVIDE PHOTO SUBMISSION OF AT LEAST 5 CULTIVARS FOR APPROVAL BY GOVERNMENT REPRESENTATIVE.

approved	SIGNED		
	W.F. YAU		JAN 21
	Senior Landscape Architect		Date
contract no.	Hy(S)0/088/2020		
file no.	-		
project no.	-		

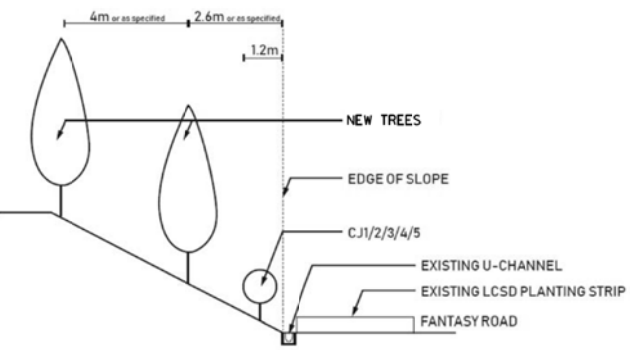
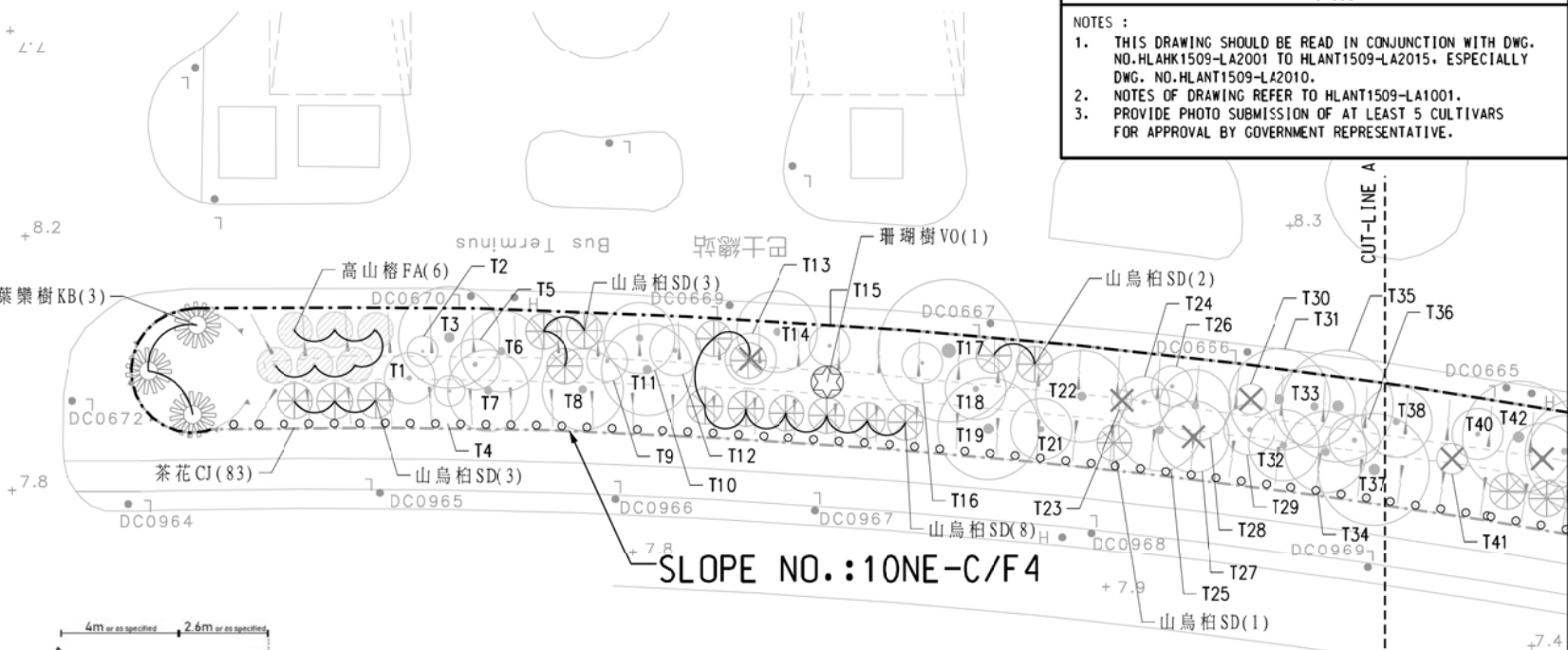
contract
PROVISION OF ECOLOGICAL
ENHANCEMENT PLANTING AND
YARD WASTE RECYCLING ON SLOPES
AT NORTH LANTAU ISLAND

drawing title
TREE PLANTING PLAN - SLOPE NO.
10NE-C/F4 (AREA B)
(SHEET 1 OF 2)

drawing no.	HLANT1509-LA2009-A	scale	1 : 500 OR AS SHOWN
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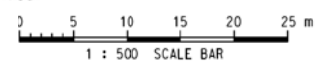
office
LANDSCAPE DIVISION

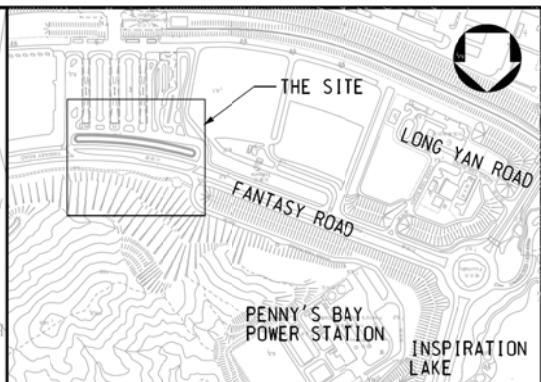
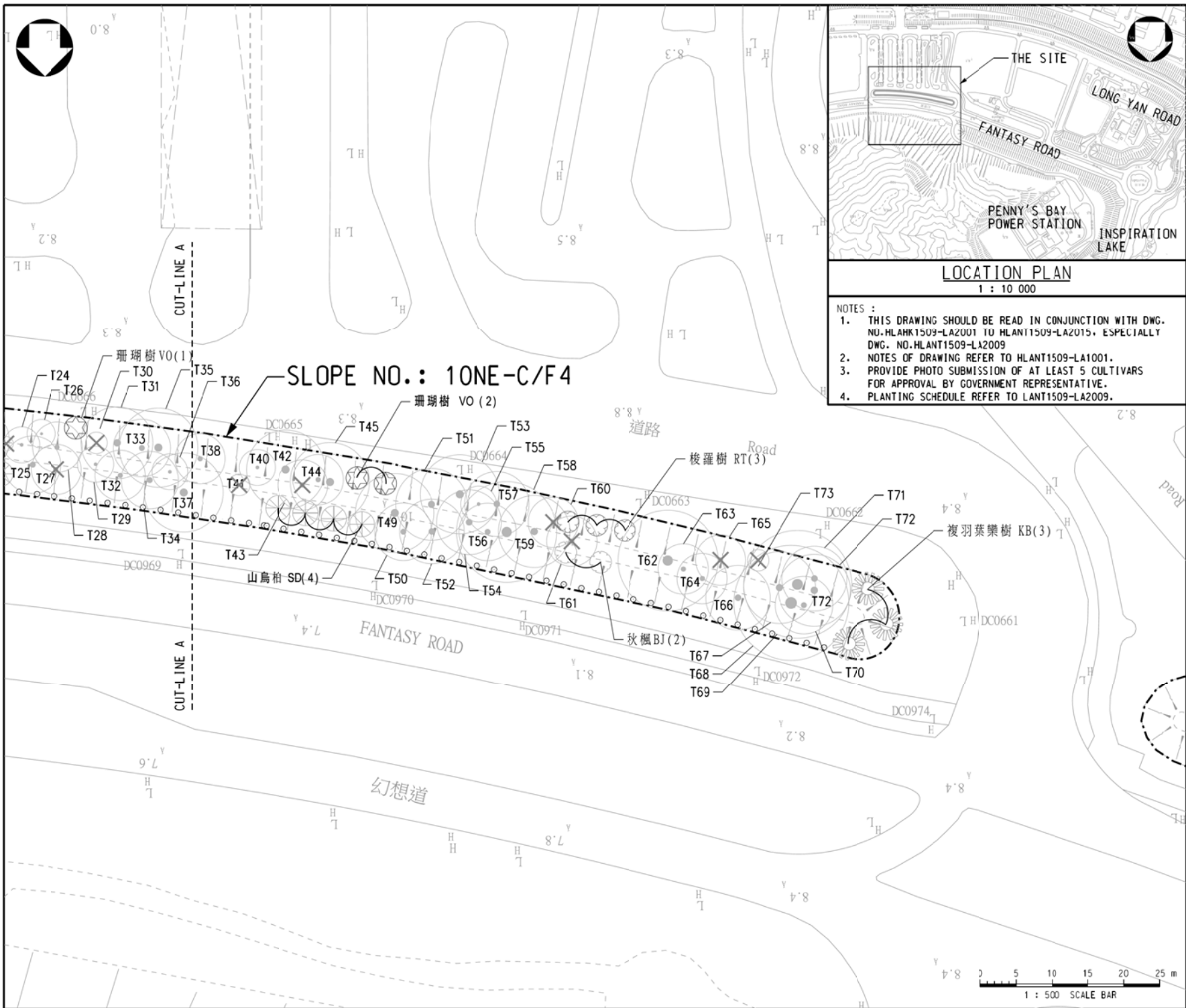


REFERENCE IMAGES OF SHRUBS:



CJ1: *Camellia japonica* (White)
CJ2: Carter's sunburst sweetheard (Blush)
CJ3: Glen 40 Variegated (Pink)
CJ4: *Camellia sasanqua* (Magenta)
CJ5: Wuye Mingdeng (Red)





LOCATION PLAN
1 : 10 000

- NOTES :
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DWG. NO. HLANK1509-LA2001 TO HLAN1509-LA2015, ESPECIALLY DWG. NO. HLAN1509-LA2009
 2. NOTES OF DRAWING REFER TO HLAN1509-LA1001.
 3. PROVIDE PHOTO SUBMISSION OF AT LEAST 5 CULTIVARS FOR APPROVAL BY GOVERNMENT REPRESENTATIVE.
 4. PLANTING SCHEDULE REFER TO LANT1509-LA2009.

LEGEND :

- SLOPE BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- PROPOSED TREES
- PROPOSED SHRUB (CODE: CJ)

no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		Y.C. CHOI	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21

approved
SIGNED
W.F. YAU
Senior Landscape Architect
Date JAN 21

contract no. Hy(S)0/088/2020

file no. -

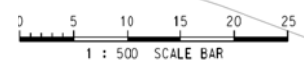
project no.
contract
PROVISION OF ECOLOGICAL
ENHANCEMENT PLANTING AND
YARD WASTE RECYCLING ON SLOPES
AT NORTH LANTAU ISLAND

drawing title
TREE PLANTING PLAN - SLOPE NO.
10NE-C/F4 (AREA B)
(SHEET 2 OF 2)

drawing no. HLAN1509-LA2010
scale 1 : 500 OR AS SHOWN

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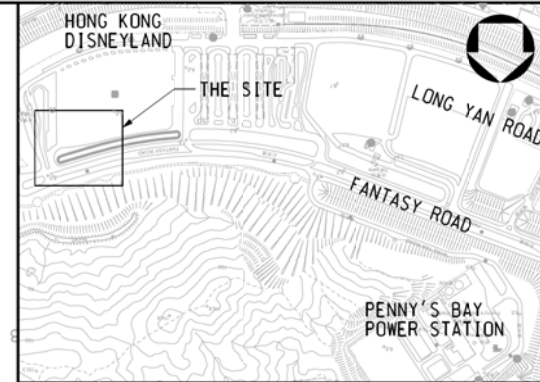
office
LANDSCAPE DIVISION





Planting Schedule For Slope No. 10NE-C/F5 (Drawing No. LA2011 and LA2012) in Area C

CODE	BOTANICAL NAME	CHINESE NAME	SIZE	SPACING (mm)	QUANTITY	REMARKS
TREE						
FM2	<i>Ficus microcarpa</i>	細葉榕	Heavy Standard	5000 or as shown	1	All trees shall have a well-defined straight and upright leader with branches growing out from the stem with reasonable symmetry
DW	<i>Dombeya wallichii</i>	吊芙蓉	Light standard	4000 or as shown	18	
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	Light standard	4000 or as shown	6	
TR	<i>Tabebuia rosea</i>	紅花風鈴木	Light standard	4000 or as shown	21	
TOTAL					46	



LOCATION PLAN
1 : 10 000

NOTES :

- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2014.
- NOTES OF DRAWING REFER TO HLANT1509-LA1001.

LEGEND :

- SLOPE BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- PROPOSED TREE

B	6/21	COMPENSATORY TREE REVISED	SIGNED
A	1/21	COMPENSATORY TREE REVISED	SIGNED

no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		Y.C. CHOI	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21

approved
 SIGNED
 W.F. YAU
 Senior Landscape Architect
 Date JAN 21

contract no. Hy(S)0/088/2020

file no. -

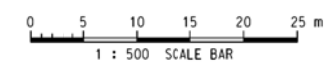
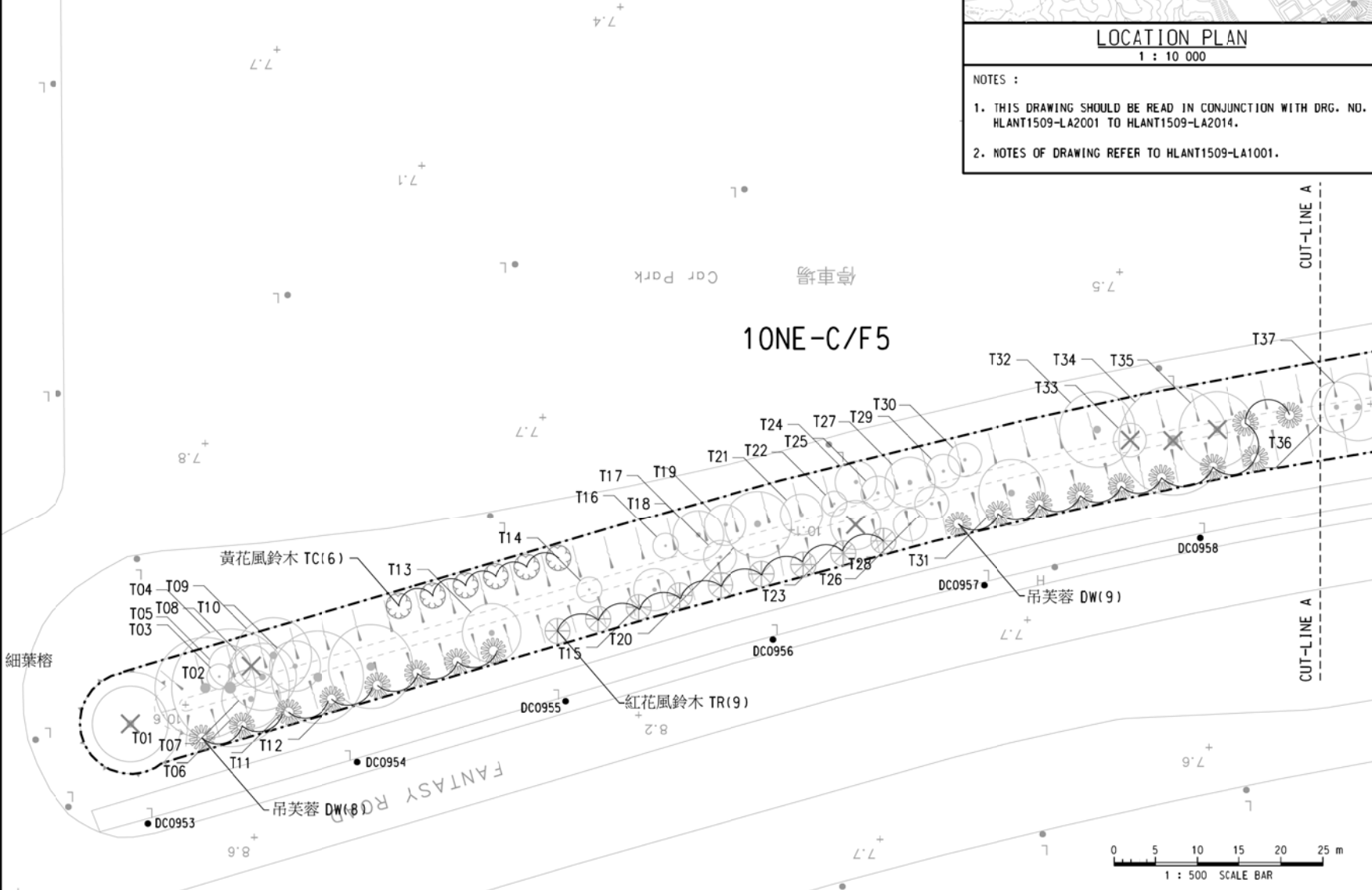
project no.
 contract
 PROVISION OF ECOLOGICAL ENHANCEMENT PLANTING AND YARD WASTE RECYCLING ON SLOPES AT NORTH LANTAU ISLAND

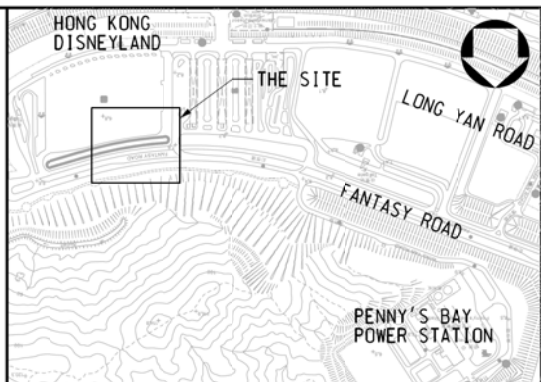
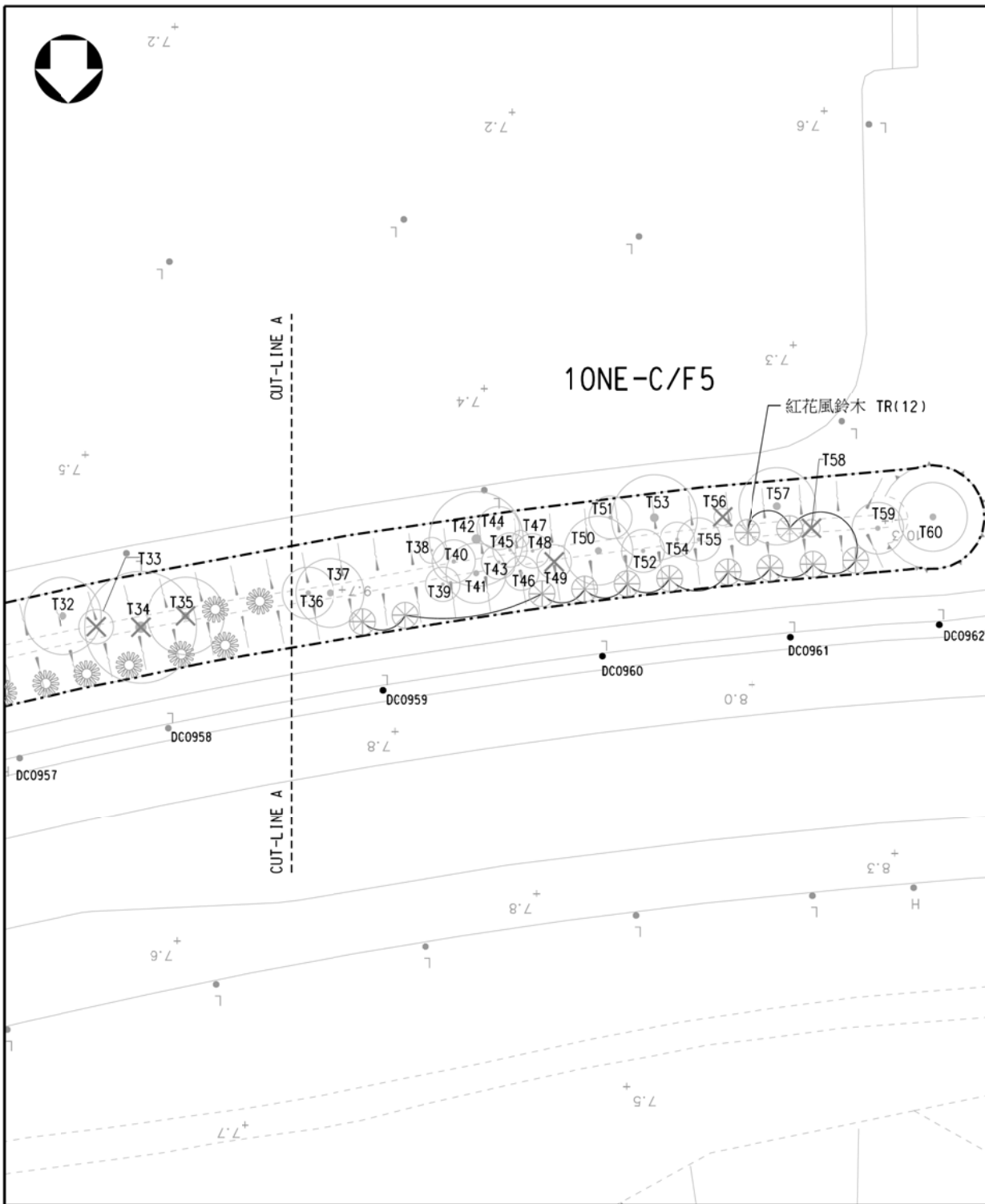
drawing title
 TREE PLANTING PLAN - SLOPE NO. 10NE-C/F5 (AREA C) (SHEET 1 OF 2)

drawing no.	scale
HLANT1509-LA2011-B	1 : 500 OR AS SHOWN

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LOCATION PLAN
1 : 10 000

- NOTES :
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRG. NO. HLANT1509-LA2001 TO HLANT1509-LA2015.
 2. NOTES OF DRAWING REFER TO HLANT1509-LA1001.
 3. PLANTING SCHEDULE REFER TO HLANT1509-LA2011.

LEGEND :

	SLOPE BOUNDARY
	EXISTING TREE
	EXISTING TREE TO BE REMOVED
	PROPOSED TREE

B	6/21	COMPENSATORY TREE REVISED	SIGNED
A	1/21	COMPENSATORY TREE REVISED	SIGNED
no.	date	description	initial
REVISION			
		name	initial date
designed		W.S. WONG	SIGNED JAN 21
drawn		Y.C. CHOI	SIGNED JAN 21
checked		W.H. KWOK	SIGNED JAN 21

approved	SIGNED	
	W.F. YAU	JAN 21
	Senior Landscape Architect	Date
contract no.	Hy(S)0/088/2020	
file no.	-	
project no.		

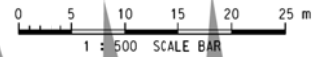
contract
PROVISION OF ECOLOGICAL ENHANCEMENT PLANTING AND YARD WASTE RECYCLING ON SLOPES AT NORTH LANTAU ISLAND

drawing title
TREE PLANTING PLAN - SLOPE NO. 10NE-C/F5 (AREA C) (SHEET 2 OF 2)

drawing no.	scale
HLANT1509-LA2012-B	1 : 500 OR AS SHOWN

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Appendix F

Checklist for Landscape and Visual Monitoring

Contract No. HY/2021/13

Provision of Remaining Compensation Tree Planting for the Tuen Mun – Chek Lap Kok Link Project



Landscape and Visual Checklist

Monitoring Date: 7th October 2022

Item	Environmental Protection Measures	Location/ Timing	Implementation Agent	Status				Remarks
				A	UA	IR	NA	
1	Existing trees on boundary of the Project Area shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. (Tree protection measures will be detailed at Tree Removal Application stage)	All areas / During construction	Design Consultant/ Contractor	√				
2	Trees unavoidably affected by the works shall be transplanted where practical. Trees will be transplanted straight to their final receptor site and not held in a temporary nursery. A detailed Tree Transplanting Specification shall be provided in the Contract Specification. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme	All areas / During construction	Design Consultant/ Contractor				√	No transplantation works has been carried out for this contract.
3	Hillside and roadside screen planting to proposed roads, associated structures and slope works	All areas / During construction	Design Consultant/ Contractor				√	No hillside and roadside screen planting has been carried out for this contract.
4	Hydroseeding or sheeting of soil stockpiles with visually unobtrusive material (in earth tone)	All areas / During construction	Design Consultant/ Contractor				√	No hydroseeding or sheeting of soil stockpiles
5	Screening of construction works by hoardings around works area in visually unobtrusive colours, to screen works	All areas / During construction	Design Consultant/ Contractor				√	According to the job nature and the scale of the Contract, no

								hoarding will be installed.
6	Control night-time lighting and glare by hooding all lights	All areas / During construction	Design Consultant/ Contractor				√	No lighting will be installed.
7	Ensure no run-off into water body adjacent to the Project Area	All areas / During construction	Design Consultant/ Contractor	√				
8	Avoidance of excessive height and bulk of buildings and structures	All areas / During construction	Design Consultant/ Contractor				√	No building or structures would be constructed.
9	Recycle/Reuse all felled trees and vegetation, e.g. mulching	All areas / During construction	Design Consultant/ Contractor	√				Recycle of trees and vegetation will be carry out by licensed recycler if necessary.
10	Compensatory tree planting shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006	All areas / During construction	Design Consultant/ Contractor	√				Compensatory planting was carried out according to the approved L&V Plan.

Legend: A=Acceptable, UA= Unacceptable, IR=Improvement Required, N/A=Not Applicable

Note: All item reference to Technical Memorandum on Environmental Impact Assessment, TM-CLKL EIA Section 10.9 & Project EM&A Manual Section 7.6

Checked and Monitored by: *Candy Lau* Candy Lau (RLA) 7 October 2022 (Date)

Checked by: *[Signature]* Ben Tam (ET) 7 October 2022 (Date)

Checked by: *[Signature]* Frankie Yuen (IEC Rep.) 7 October 2022 (Date)

Photo Record



Item 1: No damage was observed for the existing trees on boundary during the planting works.



Item 7: Ensure no run-off into water body

Contract No. HY/2021/13

Provision of Remaining Compensation Tree Planting for the Tuen Mun – Chek Lap Kok Link Project



Landscape and Visual Checklist

Monitoring Date: 14th October 2022

Item	Environmental Protection Measures	Location/ Timing	Implementation Agent	Status				Remarks
				A	UA	IR	NA	
1	Existing trees on boundary of the Project Area shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. (Tree protection measures will be detailed at Tree Removal Application stage)	All areas / During construction	Design Consultant/ Contractor	√				
2	Trees unavoidably affected by the works shall be transplanted where practical. Trees will be transplanted straight to their final receptor site and not held in a temporary nursery. A detailed Tree Transplanting Specification shall be provided in the Contract Specification. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme	All areas / During construction	Design Consultant/ Contractor				√	No transplantation works has been carried out for this contract.
3	Hillside and roadside screen planting to proposed roads, associated structures and slope works	All areas / During construction	Design Consultant/ Contractor				√	No hillside and roadside screen planting has been carried out for this contract.
4	Hydroseeding or sheeting of soil stockpiles with visually unobtrusive material (in earth tone)	All areas / During construction	Design Consultant/ Contractor				√	No hydroseeding or sheeting of soil stockpiles
5	Screening of construction works by hoardings around works area in visually unobtrusive colours, to screen works	All areas / During construction	Design Consultant/ Contractor				√	According to the job nature and the scale of the Contract, no

								hoarding will be installed.
6	Control night-time lighting and glare by hooding all lights	All areas / During construction	Design Consultant/ Contractor				√	No lighting will be installed.
7	Ensure no run-off into water body adjacent to the Project Area	All areas / During construction	Design Consultant/ Contractor	√				
8	Avoidance of excessive height and bulk of buildings and structures	All areas / During construction	Design Consultant/ Contractor				√	No building or structures would be constructed.
9	Recycle/Reuse all felled trees and vegetation, e.g. mulching	All areas / During construction	Design Consultant/ Contractor	√				Recycle of trees and vegetation will be carry out by licensed recycler if necessary.
10	Compensatory tree planting shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006	All areas / During construction	Design Consultant/ Contractor	√				Compensatory planting was carried out according to the approved L&V Plan.

Legend: A=Acceptable, UA= Unacceptable, IR=Improvement Required, N/A=Not Applicable

Note: All item reference to Technical Memorandum on Environmental Impact Assessment, TM-CLKL EIA Section 10.9 & Project EM&A Manual Section 7.6

Checked and Monitored by: *Candy Lau* Candy Lau (RLA) 14 October 2022 (Date)

Checked by: *[Signature]* Ben Tam (ET) 14 October 2022 (Date)

Checked by: *[Signature]* Frankie Yuen (IEC Rep.) 14 October 2022 (Date)

Photo Record



Item 1: No damage was observed for the existing trees on boundary during the planting works.



Item 7: Ensure no run-off into water body

Contract No. HY/2021/13

Provision of Remaining Compensation Tree Planting for the Tuen Mun – Chek Lap Kok Link Project



Landscape and Visual Checklist

Monitoring Date: 21st October 2022

Item	Environmental Protection Measures	Location/ Timing	Implementation Agent	Status				Remarks
				A	UA	IR	NA	
1	Existing trees on boundary of the Project Area shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. (Tree protection measures will be detailed at Tree Removal Application stage)	All areas / During construction	Design Consultant/ Contractor	√				
2	Trees unavoidably affected by the works shall be transplanted where practical. Trees will be transplanted straight to their final receptor site and not held in a temporary nursery. A detailed Tree Transplanting Specification shall be provided in the Contract Specification. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme	All areas / During construction	Design Consultant/ Contractor				√	No transplantation works has been carried out for this contract.
3	Hillside and roadside screen planting to proposed roads, associated structures and slope works	All areas / During construction	Design Consultant/ Contractor				√	No hillside and roadside screen planting has been carried out for this contract.
4	Hydroseeding or sheeting of soil stockpiles with visually unobtrusive material (in earth tone)	All areas / During construction	Design Consultant/ Contractor				√	No hydroseeding or sheeting of soil stockpiles
5	Screening of construction works by hoardings around works area in visually unobtrusive colours, to screen works	All areas / During construction	Design Consultant/ Contractor				√	According to the job nature and the scale of the Contract, no

								hoarding will be installed.
6	Control night-time lighting and glare by hooding all lights	All areas / During construction	Design Consultant/ Contractor				√	No lighting will be installed.
7	Ensure no run-off into water body adjacent to the Project Area	All areas / During construction	Design Consultant/ Contractor	√				
8	Avoidance of excessive height and bulk of buildings and structures	All areas / During construction	Design Consultant/ Contractor				√	No building or structures would be constructed.
9	Recycle/Reuse all felled trees and vegetation, e.g. mulching	All areas / During construction	Design Consultant/ Contractor	√				Recycle of trees and vegetation will be carry out by licensed recycler if necessary.
10	Compensatory tree planting shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006	All areas / During construction	Design Consultant/ Contractor	√				Compensatory planting was carried out according to the approved L&V Plan.

Legend: A=Acceptable, UA= Unacceptable, IR=Improvement Required, N/A=Not Applicable

Note: All item reference to Technical Memorandum on Environmental Impact Assessment, TM-CLKL EIA Section 10.9 & Project EM&A Manual Section 7.6

Checked and Monitored by: *Candy Lau* **Candy Lau (RLA)** 21 October 2022 **(Date)**

Checked by: *[Signature]* **Ben Tam (ET)** 21 October 2022 **(Date)**

Checked by: *[Signature]* **Frankie Yuen (IEC Rep.)** 21 October 2022 **(Date)**

Photo Record



Item 1: No damage was observed for the existing trees on boundary during the planting works.



Item 7: Ensure no run-off into water body

Contract No. HY/2021/13

Provision of Remaining Compensation Tree Planting for the Tuen Mun – Chek Lap Kok Link Project



Landscape and Visual Checklist

Monitoring Date: 28th October 2022

Item	Environmental Protection Measures	Location/ Timing	Implementation Agent	Status				Remarks
				A	UA	IR	NA	
1	Existing trees on boundary of the Project Area shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. (Tree protection measures will be detailed at Tree Removal Application stage)	All areas / During construction	Design Consultant/ Contractor	√				
2	Trees unavoidably affected by the works shall be transplanted where practical. Trees will be transplanted straight to their final receptor site and not held in a temporary nursery. A detailed Tree Transplanting Specification shall be provided in the Contract Specification. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme	All areas / During construction	Design Consultant/ Contractor				√	No transplantation works has been carried out for this contract.
3	Hillside and roadside screen planting to proposed roads, associated structures and slope works	All areas / During construction	Design Consultant/ Contractor				√	No hillside and roadside screen planting has been carried out for this contract.
4	Hydroseeding or sheeting of soil stockpiles with visually unobtrusive material (in earth tone)	All areas / During construction	Design Consultant/ Contractor				√	No hydroseeding or sheeting of soil stockpiles
5	Screening of construction works by hoardings around works area in visually unobtrusive colours, to screen works	All areas / During construction	Design Consultant/ Contractor				√	According to the job nature and the scale of the Contract, no

								hoarding will be installed.
6	Control night-time lighting and glare by hooding all lights	All areas / During construction	Design Consultant/ Contractor				√	No lighting will be installed.
7	Ensure no run-off into water body adjacent to the Project Area	All areas / During construction	Design Consultant/ Contractor	√				
8	Avoidance of excessive height and bulk of buildings and structures	All areas / During construction	Design Consultant/ Contractor				√	No building or structures would be constructed.
9	Recycle/Reuse all felled trees and vegetation, e.g. mulching	All areas / During construction	Design Consultant/ Contractor	√				Recycle of trees and vegetation will be carry out by licensed recycler if necessary.
10	Compensatory tree planting shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006	All areas / During construction	Design Consultant/ Contractor	√				Compensatory planting was carried out according to the approved L&V Plan.

Legend: A=Acceptable, UA= Unacceptable, IR=Improvement Required, N/A=Not Applicable

Note: All item reference to Technical Memorandum on Environmental Impact Assessment, TM-CLKL EIA Section 10.9 & Project EM&A Manual Section 7.6

Checked and Monitored by: *Candy Lau* Candy Lau (RLA) 28 October 2022 (Date)

Checked by: *[Signature]* Ben Tam (ET) 28 October 2022 (Date)

Checked by: *[Signature]* Frankie Yuen (IEC Rep.) 28 October 2022 (Date)

Photo Record



Item 1: No damage was observed for the existing trees on boundary during the planting works.



Item 7: Ensure no run-off into water body

Appendix G

Event and Action Plan

Event and Action Plan for Landscape and Visual Impact

EVENT ACTION LEVEL	ACTION			
	ET	IEC	ER	Contractor
Design Check	<ul style="list-style-type: none"> Check final design conforms to the requirements of EP and prepare report. 	<ul style="list-style-type: none"> Check report. Recommend remedial design if necessary 	<ul style="list-style-type: none"> Undertake remedial design if necessary 	
Non- conformity on one occasion	<ul style="list-style-type: none"> Identify Source Inform IEC and ER Discuss remedial actions with IEC, ER and Contractor Monitor remedial actions until rectification has been completed 	<ul style="list-style-type: none"> Check report Check Contractor's working method Discuss with ET and Contractor on possible remedial measures Advise ER on effectiveness of proposed remedial measures. Check implementation of remedial measures 	<ul style="list-style-type: none"> Notify Contractor Ensure remedial measures are properly implemented 	<ul style="list-style-type: none"> Amend working methods Rectify damage and undertake any necessary replacement
Repeated Non-conformity	<ul style="list-style-type: none"> Identify Source Inform IEC and ER Increase monitoring frequency Discuss remedial actions with IEC, ER and Contractor Monitor remedial actions until rectification has been completed If nonconformity stops, cease additional monitoring 	<ul style="list-style-type: none"> Check monitoring report Check Contractor's working method Discuss with ET and Contractor on possible remedial measures Advise ER on effectiveness of proposed remedial measures Supervise implementation of remedial measures 	<ul style="list-style-type: none"> Notify Contractor Ensure remedial measures are properly implemented 	<ul style="list-style-type: none"> Amend working methods Rectify damage and undertake any necessary replacement

Note:

ET – Environmental Specialist, IEC – Independent Environmental Checker, ER – Engineer’s Representative

Appendix H

Monthly Summary Waste Flow Table

Monthly Summary Waste Flow Table for October 2022

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Stockpiled for Reuse or Recycle (1)	Reused in TM-CLK Project	Reused in other Projects	Disposed to Public Fill Banks or Sorting Facilities (2)	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Chemical Waste	Disposed to Landfill (e.g. general refuse)
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000L)	(in '000kg)
Yr 2022												
Jan	0	0	0	0	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0	0
Oct	0	0	0	0	0	0	0	0	0	0	0	0
Nov												
Dec												
total	0	0	0	0	0	0	0	0	0	0	0	0

Remarks: (1) All inert C&D materials will be reused in the Contract/other Projects

(2) Assume all materials disposed to public fill banks or sorting facility has a density of 2 tonnes/m³

Appendix I

Environmental Mitigation and Enhancement Measures Implementation Schedule (EMIS)

CONTRACT NO. HY/2021/13

**PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN – CHEK LAP KOK LINK PROJECT
ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE**

Air Quality								
EIA reference	EM&A Manual reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		
						D	C	O
4.8.1	3.8	An effective watering programme of twice daily watering with complete coverage, is estimated to reduce by 50%. This is recommended for all areas in order to reduce dust levels to a minimum;	All areas / throughout construction period	Contractor	TMEIA Avoid smoke impacts and disturbance		Y	
4.8.1	3.8	Watering of the construction sites in Lantau for 8 times/day and in Tuen Mun for 12 times/day to reduce dust emissions by 87.5% and 91.7% respectively and shall be undertaken.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y	
4.8.1	3.8	The Contractor shall, to the satisfaction of the Engineer, install effective dust suppression measures and take such other measures as may be necessary to ensure that at the Site boundary and any nearby sensitive receiver, dust levels are kept to acceptable levels.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y	
4.8.1	3.8	The Contractor shall not burn debris or other materials on the works areas.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y	
4.8.1	3.8	In hot, dry or windy weather, the watering programme shall maintain all exposed road surfaces and dust sources wet.	All unpaved haul roads / throughout construction period in hot, dry or windy weather	Contractor	TMEIA Avoid smoke impacts and disturbance		Y	
4.8.1	3.8	Where breaking of oversize rock/concrete is required, watering shall be implemented to control dust. Water spray shall be used during the handling of fill material at the site and at active cuts, excavation and fill sites where dust is likely to be created.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y	
4.8.1	3.8	Open dropping heights for excavated materials shall be controlled to a maximum height of 2m to minimise the fugitive dust arising from unloading.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y	
4.8.1	3.8	During transportation by truck, materials shall not be loaded to a level higher than the side and tail boards,	All areas / throughout construction period	Contractor	TMEIA Avoid dust		Y	

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE**

		and shall be dampened or covered before transport.			generation			
4.8.1	3.8	Materials having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. The tarpaulin shall be properly secured and shall extend at least 300mm over the edges of the side and tail boards.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y	
4.8.1	3.8	No earth, mud, debris, dust and the like shall be deposited on public roads. Wheel washing facility shall be usable prior to any earthworks excavation activity on the site.	construction period	Contractor	TMEIA Avoid dust generation		Y	
4.8.1	3.8	Areas of exposed soil shall be minimized to areas in which works have been completed shall be restored as soon as is practicable.	All exposed surfaces / throughout construction period	Contractor	TMEIA Avoid dust generation		Y	
4.8.1	3.8	All stockpiles of aggregate or spoil shall be enclosed or covered and water applied in dry or windy condition.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y	
EIA reference	EM&A Manual reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		
						D	C	O
11.8	Section 9	EM&A in the form of audit of the mitigation measures	All areas / throughout construction period	Highways Department	EIAO-TM		Y	
Landscape and Visual								
EIA reference	EM&A Manual reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		
						D	C	O
10.9	7.6	Existing trees on boundary of the Project Area shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees,	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y	

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE**

		including trees in contractor's works areas. (Tree protection measures will be detailed at Tree Removal Application stage) (CM1)						
10.9	7.6	Trees unavoidably affected by the works shall be transplanted where practical. Trees will be transplanted straight to their final receptor site and not held in a temporary nursery. A detailed Tree Transplanting Specification shall be provided in the Contract Specification. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme (CM2)	All areas/detailed design/during construction	Design Consultant/ Contractor	TMEIA	Y	Y	
10.9	7.6	Hillside and roadside screen planting to proposed roads, associated structures and slope works (CM3)	All areas/detailed design/during Construction/post construction	Design Consultant/ Contractor	TMEIA	Y	Y	
10.9	7.6	Hydroseeding or sheeting of soil stockpiles with visually unobtrusive material (in earth tone) (CM4)	All areas/detailed design/during Construction/post construction	Design Consultant/ Contractor	TMEIA	Y	Y	
10.9	7.6	Screening of construction works by hoardings around works area in visually unobtrusive colours, to screen works (CM5)	All areas/detailed design/during Construction	Design Consultant/ Contractor	TMEIA	Y	Y	
10.9	7.6	Control night-time lighting and glare by hooding all lights (CM6)	All areas/detailed design/during Construction	Design Consultant/ Contractor	TMEIA	Y	Y	
10.9	7.6	Ensure no run-off into water body adjacent to the Project Area (CM7)	All areas/detailed design/during Construction	Design Consultant/ Contractor	TMEIA	Y	Y	
10.9	7.6	Avoidance of excessive height and bulk of buildings and structures (CM8)	All areas/detailed design/during Construction	Design Consultant/ Contractor	TMEIA	Y	Y	
10.9	7.6	Recycle/Reuse all felled trees and vegetation, e.g. mulching (CM9)	All areas/detailed design/during Construction	Design Consultant/ Contractor	TMEIA	Y	Y	
10.9	7.6	Compensatory tree planting shall be provided to the satisfaction of relevant Government departments.	All areas/detailed design/during	Design Consultant/	TMEIA	Y	Y	

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE**

		Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006 (CM10)	Construction	Contractor				
10.9	7.6	Re-vegetation of affected woodland/shrubland with native species (OM1)	All areas/detailed design/ during Construction/ post construction	Design Consultant/ Contractor	TMEIA	Y	Y	Y
10.9	7.6	Tall buffer screen tree / shrub / climber planting where appropriate should be incorporated to soften hard engineering structures and facilities (OM2)	All areas/detailed design/ during Construction/ post construction	Design Consultant/ Contractor	TMEIA	Y	Y	Y
10.9	7.6	Streetscape elements (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the local context, and minimises potential negative landscape and visual impacts. Lighting units should be directional and minimize unnecessary light spill (OM3)	All areas/detailed design/ during Construction/ post construction	Design Consultant/ Contractor	TMEIA	Y	Y	Y
10.9	7.6	Structure, ornamental tree / shrub / climber planting should be provided along roadside amenity strips, central dividers and newly formed slopes to enhance the townscape quality and further greenery enhancement (OM4)	All areas/detailed design/ during Construction/ post construction	Design Consultant/ Contractor	TMEIA	Y	Y	Y
10.9	7.6	Aesthetically pleasing design (visually unobtrusive and non-reflective) as regard to the form, material and finishes shall be incorporated to all buildings, engineering structures and associated infrastructure facilities (OM5)	All areas/detailed design/ during Construction/ post construction	Design Consultant/ Contractor	TMEIA	Y	Y	Y
10.9	7.6	Avoidance of excessive height and bulk of buildings and structures (OM6)	All areas/detailed design/ during Construction/ post construction	Design Consultant/ Contractor	TMEIA	Y	Y	Y
Waste								
EIA reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Implementation Stages		

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**PROVISION OF REMAINING COMPENSATION TREE PLANTING FOR THE TUEN MUN – CHEK LAP KOK LINK PROJECT
ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE**

	reference				Requirement	D	C	O
12.6		The Contractor shall identify a coordinator for the management of waste.	Contract mobilisation	Contractor	TMEIA		Y	
12.6		The Contractor shall prepare and implement a Waste Management Plan which specifies procedures such as a ticketing system, to facilitate tracking of loads and to ensure that illegal disposal of wastes does not occur, and protocols for the maintenance of records of the quantities of wastes generated, recycled and disposed. A recording system for the amount of waste generated, recycled and disposed (locations) should be established.	Contract mobilisation	Contractor	TMEIA, Works Branch Technical Circular No. 5/99 for the Trip-ticket System for Disposal of Construction and Demolition Material		Y	
12.6		The Contractor shall apply for and obtain the appropriate licenses for the disposal of public fill, chemical waste and effluent discharges.	Contract mobilisation	Contractor	TMEIA, Land (Miscellaneous Provisions) Ordinance (Cap 28); Waste Disposal Ordinance (Cap 354); Dumping at Sea Ordinance (Cap 466); Water Pollution Control Ordinance.		Y	
12.6	8.1	Training shall be provided to workers about the concepts of site cleanliness and appropriate waste management procedures including waste reduction,	Contract mobilisation	Contractor	TMEIA		Y	

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ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE**

		reuse and recycling						
12.6	8.1	The extent of cutting operation should be optimised where possible. Earth retaining structures and bored pile walls should be proposed to minimize the extent of cutting.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Inert C&D materials from the toll plaza cut slopes shall be reused for construction of the raised platform for the toll plaza where possible.	Tol Plaza / toll plaza construction period	Contractor	TMEIA		Y	
12.6	8.1	The site and surroundings shall be kept tidy and litter free.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	No waste shall be burnt on site.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	The Contractor shall be prohibited from disposing of C&D materials at any sensitive locations. The Contractor should propose the final disposal sites in the EMP and WMP for approval before implementation.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Stockpiled material shall be covered by tarpaulin and /or watered as appropriate to prevent windblown dust/ surface run off.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Excavated material in trucks shall be covered by tarpaulins to reduce the potential for spillage and dust generation.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Wheel washing facilities shall be used by all trucks leaving the site to prevent transfer of mud onto public roads.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Standard formwork or pre-fabrication should be used as far as practicable so as to minimise the C&D materials arising. The use of more durable formwork/ plastic facing for construction works should be considered. The use of wooden hoardings should be avoided and metal hoarding should be used to facilitate recycling. Purchasing of construction materials should avoid over-ordering and wastage.	All areas / throughout construction period	Contractor	TMEIA		Y	

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12.6	8.1	The Contractor should recycle as many C&D materials (this is a waste section) as possible on-site. The public fill and C&D waste should be segregated and stored in separate containers or skips to facilitate the reuse or recycling of materials and proper disposal. Where practicable, the concrete and masonry should be crushed and used as fill materials. Steel reinforcement bar should be collected for use by scrap steel mills. Different areas of the sites should be considered for segregation and storage activities.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	All falsework will be steel instead of wood.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Chemical waste producers should register with the EPD. Chemical waste should be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows: <ul style="list-style-type: none"> • suitable for the substance to be held, resistant to corrosion, maintained in good conditions and securely closed; • Having a capacity of <450L unless the specifications have been approved by the EPD; and • Displaying a label in English and Chinese according to the instructions prescribed in Schedule 2 of the Regulations. • Clearly labelled and used solely for the storage of chemical wastes; • Enclosed with at least 3 sides; • Impermeable floor and bund with capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in the area, whichever is greatest; • Adequate ventilation; • Sufficiently covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and 	All areas / throughout construction period	Contractor	TMEIA		Y	

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		<ul style="list-style-type: none"> Incompatible materials are adequately separated. 						
12.6	8.1	Waste oils, chemicals or solvents shall not be disposed of to drain,	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Adequate numbers of portable toilets should be provided for on-site workers. Portable toilets should be maintained in reasonable states, which will not deter the workers from utilising them.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Night soil should be regularly collected by licensed collectors.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	General refuse arising on-site should be stored in enclosed bins or compaction units separately from C&D and chemical wastes. Sufficient dustbins shall be provided for storage of waste as required under the Public Cleansing and Prevention of Nuisances By-laws. In addition, general refuse shall be cleared daily and shall be disposed of to the nearest licensed landfill or refuse transfer station. Burning of refuse on construction sites is prohibited.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	All waste containers shall be in a secure area on hardstanding;	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Training shall be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including waste reduction, reuse and recycling.	All areas / throughout construction period	Contractor	TMEIA		Y	
12.6	8.1	Office wastes can be reduced by recycling of paper if such volume is sufficiently large to warrant collection. Participation in a local collection scheme by the Contractor should be advocated. Waste separation facilities for paper, aluminum cans, plastic bottles, etc should be provided on-site.	Site Offices/ throughout construction period	Contractor	TMEIA		Y	
12.6	Section 8	EM&A of waste handling, storage, transportation, disposal procedures and documentation through the site audit programme shall be undertaken.	All areas / throughout construction period	Contractor	EM&A Manual		Y	
Water Quality								

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EIA reference	EM&A Manual reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		
						D	C	O
6.10	-	Wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Sewage effluent and discharges from onsite kitchen facilities shall be directed to Government sewer in accordance with the Requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly, including specifically at the onset of and after each rainstorm.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Temporary access roads should be surfaced with crushed stone or gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	

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6.10	5.8	Manholes (including any newly constructed ones) should always be 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.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Discharges of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	All vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for off site disposal.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	The Contractor shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	
6.10	-	Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance.	All areas/ throughout construction period	Contractor	TM-EIAO Waste Disposal Ordinance		Y	
6.10	-	All fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.	All areas/ throughout construction period	Contractor	TM-EIAO		Y	

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6.10	Section 5	All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good working practice.	All areas/ throughout construction period	Contractor	EM&A Manual		Y	
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Legend: D=Design, C=Construction, O=Operation

Note: Funding Agent for all mitigation measures will be the Highways Department of the Hong Kong SAR Government

Appendix J

Cumulative Statistics of Complaint, Summon and Prosecution

Table J-1 Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics					
	Frequency	Cumulative	Complaint Nature			
			Air	Noise	Water	Others
October 2022	0	0	NA	NA	NA	NA
Cumulative since contract commencement	0	0	NA	NA	NA	NA

Table J-2 Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics				
	Frequency	Cumulative	Complaint Nature		
			Air	Noise	Water
October 2022	0	0	NA	NA	NA
Cumulative since contract commencement	0	0	NA	NA	NA

Table J-3 Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics				
	Frequency	Cumulative	Complaint Nature		
			Air	Noise	Water
October 2022	0	0	NA	NA	NA
Cumulative since contract commencement	0	0	NA	NA	NA

Appendix K

Investigation Report for the Complaint

(Not Use)