



AUES JOB NO.: TCS01137/20

TUEN MUN - CHEK LAP KOK LINK
CONTRACT NO. HMWSD 2/2020 (HY) –
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR
THE TUEN MUN - CHEK LAP KOK LINK

8TH MONTHLY ENVIRONMENTAL MONITORING AND
AUDIT (EM&A) REPORT – NOVEMBER 2021

PREPARED FOR
HONG KONG LANDSCAPING CO., LTD.

Date	Reference No.	Prepared By	Certified By
27 May 2022	TCS01137/20/600/R0013v2	 Martin Li (Environmental Consultant)	 Ben Tam (Environmental Team Leader)

Version	Date	Remarks
1	22 December 2021	First Submission
2	27 May 2022	Amended according to the IEC's comment on 27 May 2022

01 June 2022

By Fax (2293 6300) and By Post

AECOM Asia Co. Ltd.
Supervising Officer Representative's Office
No. 8 Mong Fat Street, Tuen Mun,
New Territories, Hong Kong

Attention: Mr. K P Wong

Dear Sir,

**Re: Agreement No. CE 48/2011 (EP)
Environmental Project Office for the
HZMB Hong Kong Link Road, HZMB Hong Kong Boundary Crossing Facilities, and
Tuen Mun-Chek Lap Kok Link – Investigation**

**Contract No. HMWSD 2/2020 (HY)
Establishment of Landscape Softworks for the Tuen Mun – Chek Lap Kok Link
Environmental Permit No.: EP-354/2009/D
8th Monthly EM&A Report for November 2021 (EP-354/2009/D)**

Reference is made to the Environmental Team's submission of the Monthly EM&A Report for November 2021 (ET's ref.: "TCS01137/20/600/R0013v2" dated 27 May 2022) certified by ET Leader and provided to us via e-mail on 27 May 2022.

Please be informed that we have no adverse comments on the captioned submission. We write to verify the captioned submission in accordance with Condition 4.4 of EP-354/2009/D.

Thank you very much for your attention and please feel free to contact the undersigned or the ENPO Leader, Mr. Y H Hui, should you require further information.

Yours faithfully,
For and on behalf of
Ramboll Hong Kong Limited



Adi Lee
Independent Environmental Checker
Tuen Mun – Chek Lap Kok Link

c.c.

HyD	Attn.: Mr. Eric Wong	(By Fax: 3188 6614)
HyD	Attn.: Mr. Minian Wan	(By Fax: 3188 6614)
AUES	Attn.: Mr. Ben Tam	(By Fax: 2959 6079)
HKL	Attn.: Mr. S C Wong	(By Fax: 2385 7911)

EXECUTIVE SUMMARY

ES01 This is the 8th Monthly EM&A Report presenting the monitoring results and inspection findings under the Contract HMWSD 2/2020 (HY) for the period from 1 to 30 November 2021 (hereinafter ‘the Reporting Period’).

SUMMARY OF EM&A ACTIVITIES FOR THE REPORTING PERIOD

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

- Landscape & Visual Monitoring (Establishment period) –2 events

ES03 The Establishment Period monitoring once per three months for planting works was commenced on 1 June 2020 for the planting area under the contract HY/2012/07 & HY/2013/12 and commenced on 1 February 2021 for the planting area under the according to the EM&A manual requirement. One establishment period inspection was conducted by this contract during this reporting period for the planting area HY/2012/07 (Zone 1, 3 & 4) & HY/2013/12 separately. Moreover, one establishment period inspection was conducted by the ET of the contract HY/2017/10 for the planting area HY/2012/07 (Zone 2) during this reporting period.

ENVIRONMENTAL COMPLAINT

ES04 In the Reporting Period, no environmental complaint was received.

ES05 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
November 2021	0	0

NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

ES06 No environmental summons or successful prosecutions were recorded in the Reporting Period.

REPORTING CHANGE

ES07 No reporting changes were made in the Reporting Period.

FUTURE KEY ISSUES

ES08 The Project TM-CLKL had been commissioning at the end of 2020 and the major construction works under the Project had been completed at the end of March 2021. According to the Project EM&A Manual requirement, operational phase EM&A works will be undertaken for a period of two years after the commission of the project

ES09 According to the Project EM&A Manual requirement, monitoring for the planting works at a frequency of 3 months interval during the 24-month establishment period is required to make sure the establishment planting works is complied with EMIS requirement, and during the 12-month establishment period, the maintenance operations must be supervised by fully qualified Landscape Resident Site Staff (Registered Landscape Architect or Professional Member of the Hong Kong Institute of Landscape Architects). Subsequent to the 12-month establishment period supervised by the qualified Landscape Resident Site Staff, the supervision from the 13th to the 24th month would be continued by other members of the Project.

ES10 According to the contract arrangement, the establishment planting area under the Contract HY/2012/07 Zone 1, 3 & 4 and the Contract HY/2013/12 were handover to this contract from December 2020 and June 2021 separately. For the establishment planting area under the Contract HY/2012/07 Zone 2, it was handed over to the ET of Contact HY/2017/10. Therefore, the establishment planting inspection and maintenance works for the establishment planting area under the Contract HY/2012/07 Zone 1, 3 & 4 and the Contract HY/2013/12 responded from this Contract was commenced from December 2020 and June 2021.

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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 Hong Kong Landscaping Co., Ltd. (hereafter “HKL”) is commissioned by the Highways Department (HyD) as the Main Contractor of the Contract No. HMWSD 2/2020 (HY) – Establishment of Landscape Softworks for the Tuen Mun - Chek Lap Kok Link ((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.
- 1.1.3 The construction works of the Contract mainly include:-
- Maintenance the approx. 33ha planting area of the Project during the establishment period.
- 1.1.4 The TM-CLKL had been commissioning at the end of 2020 and the major construction works under the Project had been completed at the end of March 2021. According to the Project EM&A Manual requirement, operational phase EM&A works will be undertaken for a period of two years after the commission of the project.
- 1.1.5 This is 8th monthly EM&A report under the Contract HMWSD 2/2020 (HY) presenting the monitoring results and inspection findings for period from **1 to 30 November 2021**.

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 Summary of Monitoring Requirements under the Contract

Section 3 Landscape and Visual

Section 4 Environmental Complaints and Non-Compliance

Section 5 Conclusions and Recommendations

1.3 CONTRACT ORGANIZATION

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

2 SUMMARY OF MONITORING REQUIREMENTS UNDER THE CONTRACT

2.1 GENERAL

2.1.1 In accordance with the Project EM&A Manual requirements, the environmental aspects under the Project shall be included air quality, ecological, cultural heritage, landscape and visual, landfill gas and site inspection.

2.1.2 A summary of EM&A requirements under the contract are presented in the sub-sections below. Should non-compliance of the environmental quality criteria occurs, remedial actions will be triggered according to the Event and Action Plan which presented in [Appendix D](#).

2.2 ENVIRONMENTAL ASPECTS

Air

2.2.1 According to the Contract nature is maintenance the planting area of the Project during the establishment period in the operational phase. No specific EM&A requirement for air quality related to the establishment of landscape softworks was identify.

2.2.2 The scopes of works under this Contract do not involve any of works listed under Section 4.4.1.1 of the approved EIA Report. Vehicles travel under this contract was carried out in paved area. Therefore, fugitive dust emission from the contract would be limited and no unacceptable air quality impact would be expected. No specific mitigation measure and monitoring would be required.

Noise

2.2.3 According to the Contract nature is maintenance the planting area of the Project during the establishment period in the operational phase. No unacceptable noise impact would be expected from the contract. No mitigation measure would be required under the approved EIA Report. No specific EM&A requirement for noise impact related to the establishment of landscape softworks was identify.

2.2.4 Most of the works under this contract would be conducted manually, with limited use of PME for delivery material on site and watering the planting area along the road side. Therefore, no unacceptable noise impact would be expected. No specific mitigation measure and monitoring would be required.

Water Quality

2.2.5 According to the Contract nature is maintenance the planting area of the Project during the establishment period in the operational phase. No specific EM&A requirement for water quality related to the establishment of landscape softworks was identify.

2.2.6 All planting area under this contract area are land-based, no major discharge would be expected from the establishment planting maintenance works. Therefore, no direct or indirect impact on marine water quality would be expected. No specific mitigation measure and monitoring would be required.

Ecology

2.2.7 According to the Contract nature is maintenance the planting area of the Project during the establishment period in the operational phase. No specific EM&A requirement for ecology related to the establishment of landscape softworks was identify.

2.2.8 No site clearance and associated habitat loss would be required under this contract. Moreover, all planting area under this contract area are land-based, no direct or indirect impact on the marine ecology would be expected. Therefore, no specific mitigation measure and monitoring would be required.

Landscape and Visual

- 2.2.9 Monitoring of the planting works during the 24-month Establishment period after completion of the construction works should be carried out. Establishment Works Inspection should be carried out once every 3 months to make sure the establishment planting works is complied with EMIS requirement. For the planting area under the Contract HY/2012/07, the first 6-month establishment period inspection and maintenance will be taken by the original Contract's ET and the main Contractor under the contract. For another Contract HY/2013/12 and HY/2017/10, the first 12-month establishment period inspection and maintenance will be taken by the original Contract's ET and the main Contractor under the contract. After the first 6 month or year establishment period, the maintenance and inspection works will be handover to the contract HMWSD 2/2020 (HY) except the planting area under the Contract HY/2012/07 Zone 2. The summary of Establishment inspection for the Project is shown in [Table 2-1](#).

Table 2-1 Summary of Establishment inspection for the Project

Contract Area	Establishment Monitoring Commenced	Inspection taken under the contract HMWSD 2/2020 (HY)	Next Quarter of Establishment Monitoring
HY/2012/07 (Zone 1, 3 & 4)	June 2020	December 2020	December 2021 to February 2022 (7 th Quarter)
HY/2012/07 (Zone 2)	June 2020	TBA	December 2021 to February 2022 (7 th Quarter)
HY/2013/12	June 2020	June 2021	December 2021 to February 2022 (7 th Quarter)
HY/2017/10	February 2021	TBA	November 2021 to January 2022 (4 th Quarter)

Cultural Heritage

- 2.2.10 According to the Contract nature is maintenance the planting area of the Project during the establishment period in the operational phase. No specific EM&A requirement for cultural heritage related to the establishment of landscape softworks was identify.
- 2.2.11 No major structural or civil work would be conducted under this contract. Moreover, all planting area are set back from the cultural heritage zone Grave G1 more than 10m. Therefore, no cultural heritage impact would be expected under this contract. No mitigation measure and monitoring would be required.

Landfill Gas

- 2.2.12 According to the Contract nature is maintenance the planting area of the Project during the establishment period in the operational phase. No specific EM&A requirement for landfill gas related to the establishment of landscape softworks was identify.
- 2.2.13 No major excavation work would be conducted under this contract. Only minor hand digging works will be conducted while tree replacement works. Therefore, no landfill gas hazard would be expected under this contract. No mitigation measure and monitoring would be required.

Waste Management

- 2.2.14 According to the Contract nature is maintenance the planting area of the Project during the establishment period in the operational phase. No specific EM&A requirement for Waste Management related to the establishment of landscape softworks was identify.

- 2.2.15 All planting area under this contract area are land-based, no dredged sediment, excavated C&D material, C&D waste, chemical waste and sewage would be generated under this Contract. Only limited level of dead plant would be generated from works during maintenance of the planting area and would be easily controlled by standard waste management practice. No specific mitigation measure would be required.

Inspection and Audit

- 2.2.16 According to the Contract nature is maintenance the planting area of the Project during the establishment period in the operational phase. No construction works would be taken under this contract. Moreover, no potential environmental issue had been identified in the previous sections. No regular site inspections would be required.

2.3 MONITORING SCHEDULE

- 2.3.1 The monitoring schedule for landscape & visual for the present reporting period is presented in [Appendix E](#).

3 LANDSCAPE AND VISUAL

3.1 GENERAL

- 3.1.1 According to the Project EM&A Manual requirement, monitoring for the planting works at a frequency of 3 months interval during the 24-month establishment period is required to make sure the establishment planting works is complied with EMIS requirement, and during the 12-month establishment period, the maintenance operations must be supervised by fully qualified Landscape Resident Site Staff (Registered Landscape Architect or Professional Member of the Hong Kong Institute of Landscape Architects). Subsequent to the 12-month establishment period supervised by the qualified Landscape Resident Site Staff, the supervision from the 13th to the 24th month would be continued by other members of the Project. The updated EMIS for the Contract is shown in [Appendix G](#).
- 3.1.2 According to the contract arrangement, the establishment planting area under the Contract HY/2012/07 Zone 1, 3 & 4 and the Contract HY/2013/12 were handover to this contract from December 2020 and June 2021 separately. For the establishment planting area under the Contract HY/2012/07 Zone 2, it was handed over to the ET of Contact HY/2017/10. Therefore, the establishment planting inspection and maintenance works for the establishment planting area under the Contract HY/2012/07 Zone 1, 3 & 4 and the Contract HY/2013/12 responded from this Contract was commenced from December 2020 and June 2021.
- 3.1.3 All the establishment inspection method including checklist and zoning plan under this Contract was follow the methodology prepared by original Contract's ET which approved by EPD
- 3.1.4 In the Reporting Period, **one** establishment period inspection was conducted for the planting area HY/2012/07 & HY/2013/12 separately. The details of Establishment inspection for the Project during the reporting period are shown in [Table 3-1](#) and the Establishment inspection checklist is shown in [Appendix F](#).

Table 3-1 Details of Establishment Inspection for the Project during the Reporting Period

Planting Area	Respond Party	Quarter of Establishment Monitoring	Inspection Date
HY/2012/07 (Zone 1, 3 & 4)	ET of the Contract HMWSD 2/2020 (HY)	September to November 2021 (6 th Quarter)	23 November 2021
HY/2012/07 (Zone 2)	ET of the Contract HY/2017/10	September to November 2021 (6 th Quarter)	8 November 2021
HY/2013/12	ET of the Contract HMWSD 2/2020 (HY)	September to November 2021 (6 th Quarter)	16 November 2021
HY/2017/10	ET of the Contract HY/2017/10	NA	NA

4 ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE

4.1 ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION

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

4.1.2 The statistical summary table of environmental complaint, summons and prosecution are presented in [Tables 4-1, 4-2 and 4-3](#).

Table 4-1 Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics					
	Frequency	Cumulative	Complaint Nature			
			Air	Noise	Water	Others
November 2021	0	0	NA	NA	NA	NA

Table 4-2 Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics				
	Frequency	Cumulative	Complaint Nature		
			Air	Noise	Water
November 2021	0	0	NA	NA	NA

Table 4-3 Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics				
	Frequency	Cumulative	Complaint Nature		
			Air	Noise	Water
November 2021	0	0	NA	NA	NA

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

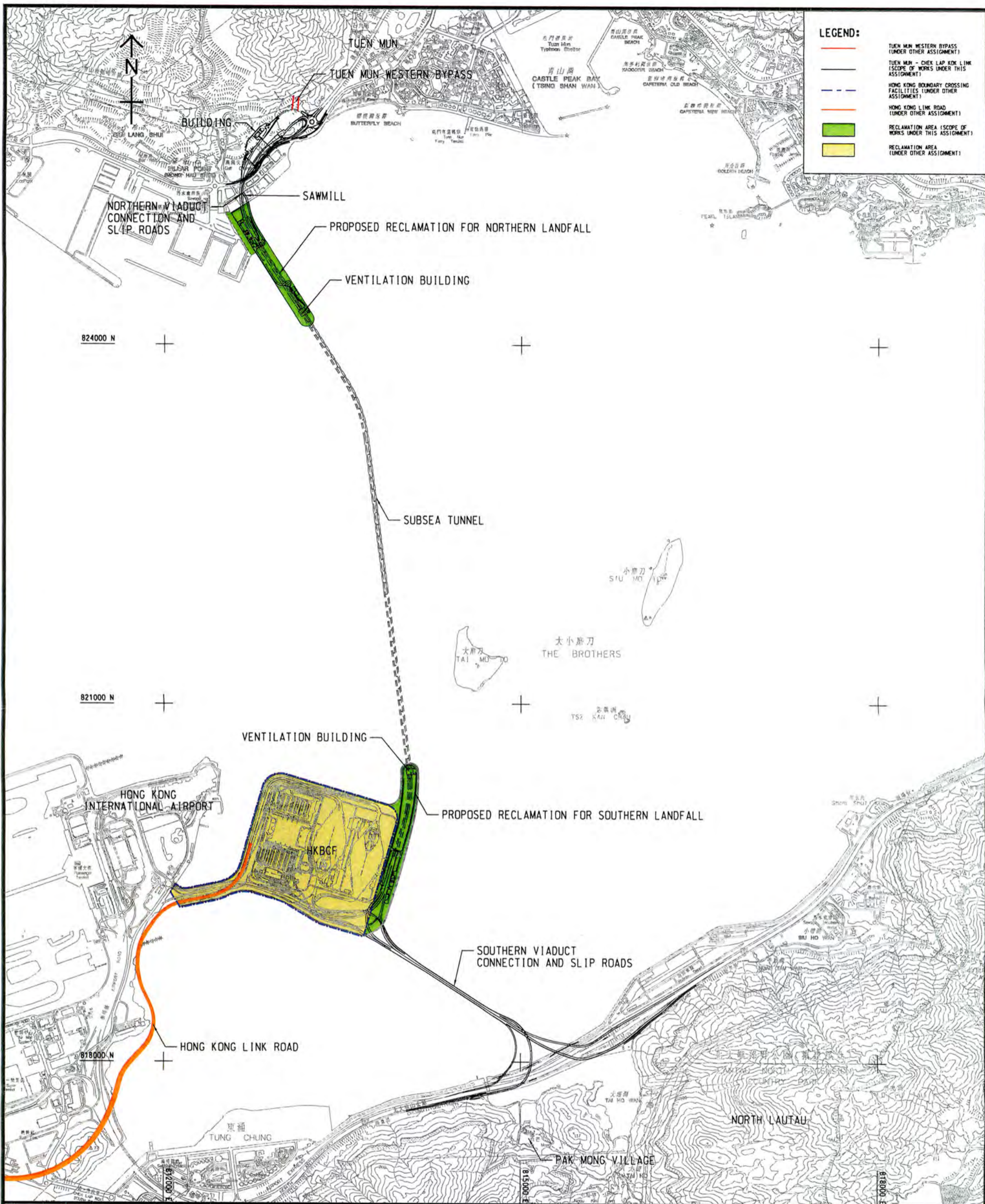
5 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

- 5.1.1 This is 8th monthly EM&A report presenting the monitoring results and inspection findings under the Contract HMWSD 2/2020 (HY) for the period of 1 to 30 November 2021.
- 5.1.2 There is no air quality, noise, water quality, ecology, cultural heritage and landfill gas monitoring was required for the contract.
- 5.1.3 The Establishment Period monitoring once per three months for planting works was commenced on 1 June 2020 for the planting area under the contract HY/2012/07 & HY/2013/12 and commenced on 1 February 2021 for the planting area under the according to the EM&A manual requirement. **One** establishment period inspection was conducted by this contract during this reporting period for the planting area HY/2012/07 (Zone 1, 3 & 4) & HY/2013/12 separately. Moreover, **one** establishment period inspection was conducted by the ET of the contract HY/2017/10 for the planting area HY/2012/07 (Zone 2) during this reporting period.
- 5.1.4 According to the contract arrangement, the establishment planting area under the Contract HY/2012/07 Zone 1, 3 & 4 and the Contract HY/2013/12 were handover to this contract from December 2020 and June 2021 separately. Therefore, the establishment planting inspection and maintenance works for those areas responded from this Contract was commenced from December 2020 and June 2021.
- 5.1.5 In the Reporting Period, no environmental complaint was received.
- 5.1.6 No notifications of summons, or successful prosecution were received during the Reporting Period.

Appendix A

Project Layout Plan



Project Title: Tuen Mun - Chek Lap Kok Link

工程項目名稱: 屯門至赤鱸角連接路

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



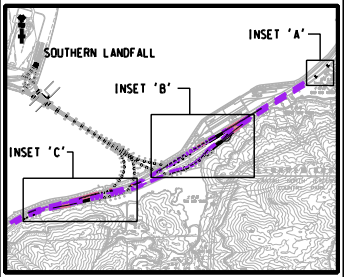
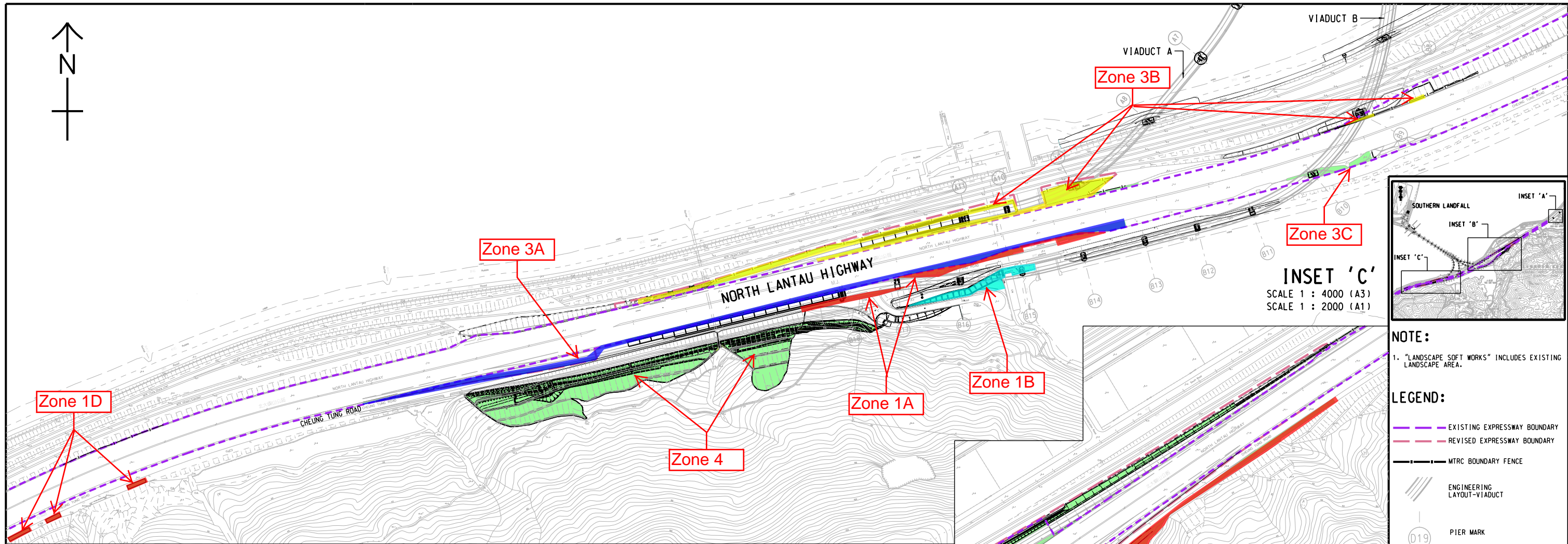
Environmental Permit No.: EP-354/2009/D
環境許可證編號: EP-354/2009/D

Figure 1
圖 1

Appendix B

Layout Plan of the Contract

Planting Area under Contract HY/2012/07



NOTE:
1. "LANDSCAPE SOFT WORKS" INCLUDES EXISTING LANDSCAPE AREA.

- LEGEND:**
- EXISTING EXPRESSWAY BOUNDARY
 - REVISED EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE
 - ENGINEERING LAYOUT-VIADUCT
 - D19 PIER MARK
 - LANDSCAPE SOFT WORKS (PORTION A)

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
A	18/08/20	ADDENDUM NO.1	KW	CL	CL
-	03/08/20	LANDSCAPE WORKS DEMARCATION PLAN	KW	CL	CL

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

AECOM

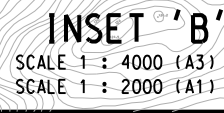
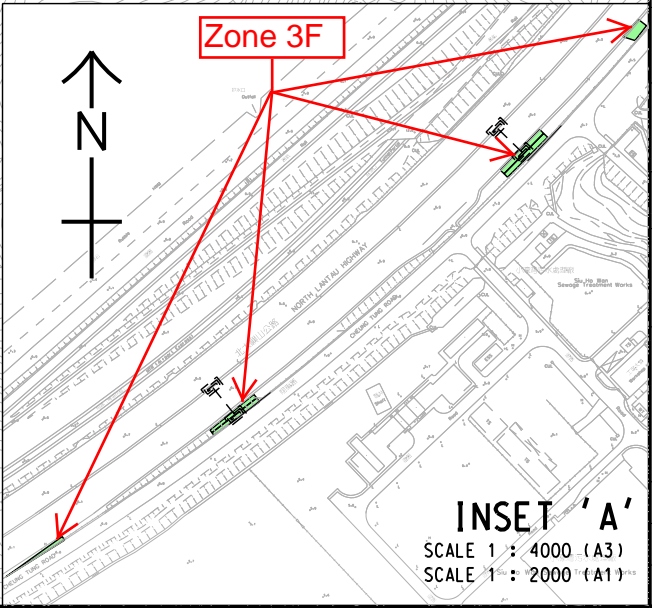
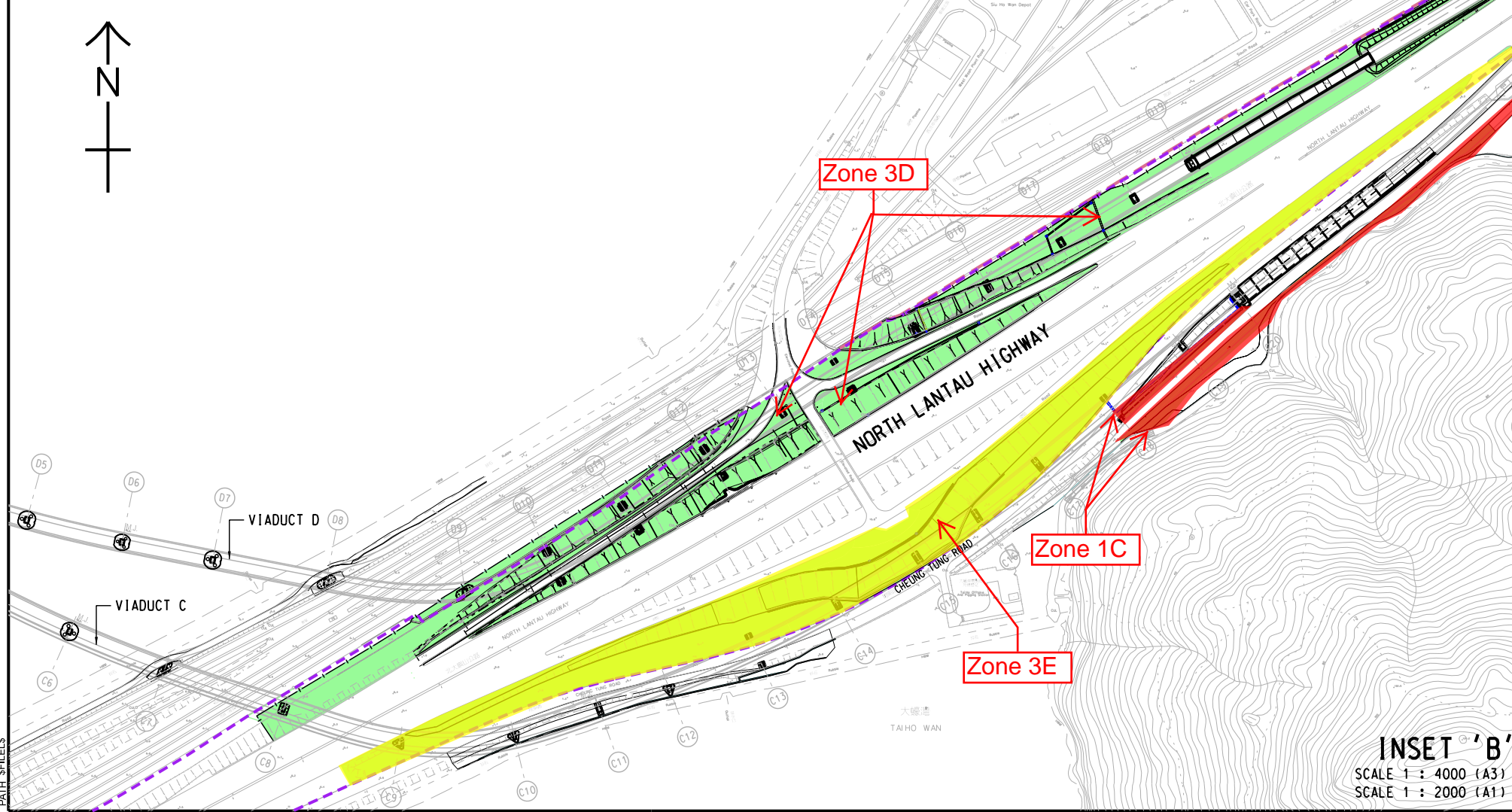
PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWS2 2/2020(HY)

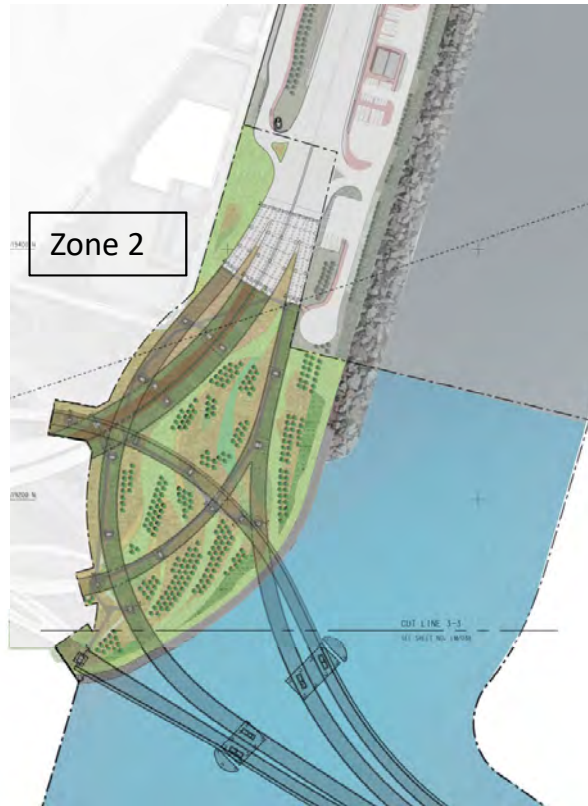
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
LANDSCAPE WORKS DEMARCATION PLAN (PORTION A)

DRAWING REFERENCE	SCALE 1:2000(A1)	SCALE 1:4000(A3)
DRAWN	PREPARED	APPROVED
JW	CL	CL
SKETCH NO.	REV.	A
SK0597		



Plot File by: Jerry Wong
 24-Aug-20
 PATH SP1EELS



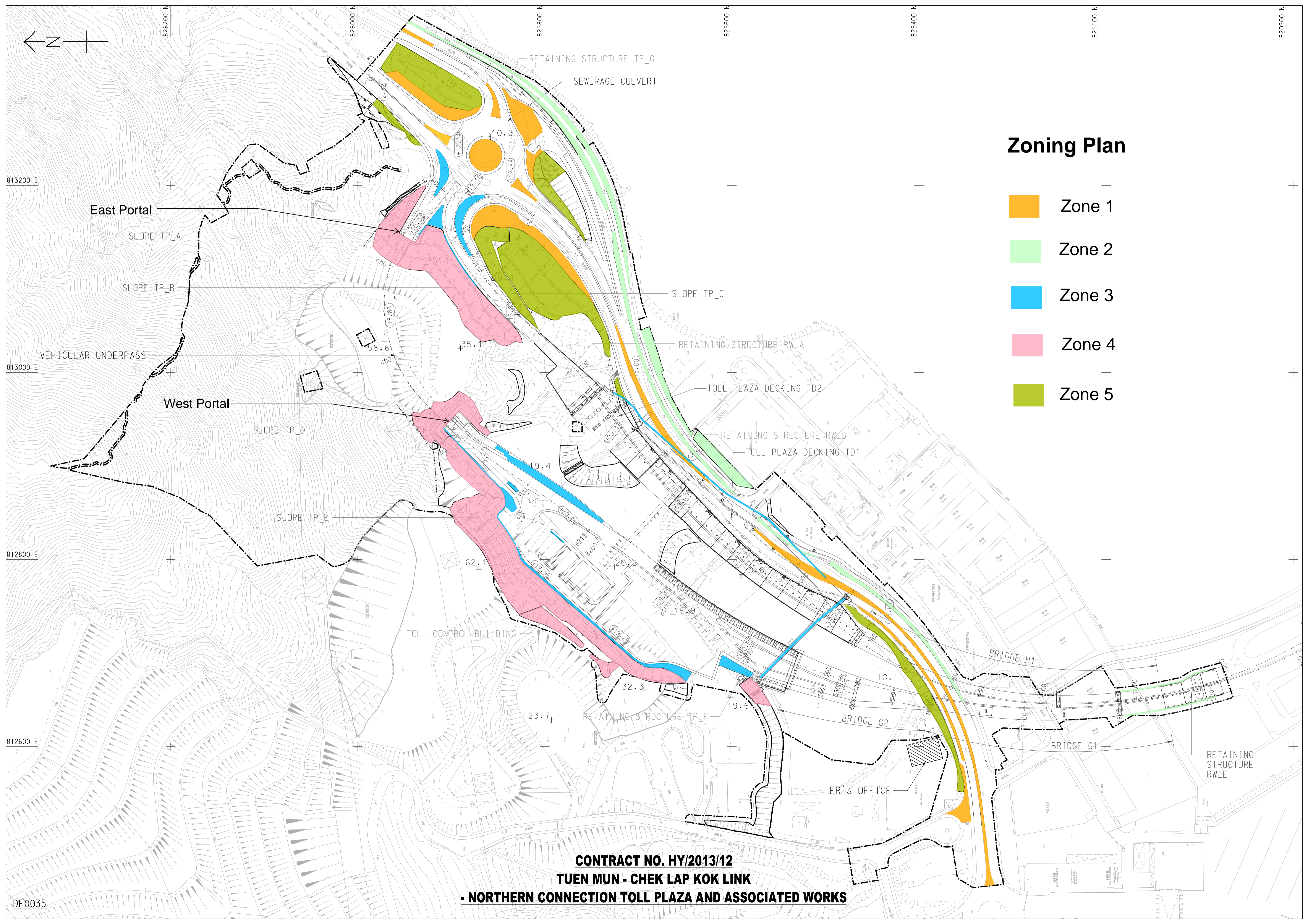
Contract No. HY/2017/10
TUEN MUN-CHEK LAP KOK LINK
- NORTHERN CONNECTION TUNNEL BUILDINGS,
ELECTRICAL AND MECHANICAL WORKS

ZONING PLAN – LANDSCAPE WORKS MONITORING (ESTABLISHMENT WORKS)

Note: Planting works were completed under Contract No. HY/2012/07.

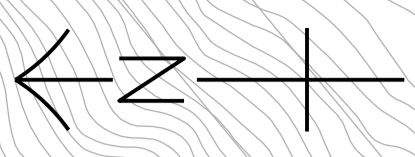
Monitoring of the establishment works continue under Contract No. HY/2017/10.

Planting Area under Contract HY/2013/12



Zoning Plan

- Zone 1
- Zone 2
- Zone 3
- Zone 4
- Zone 5



813200 E

813000 E

812800 E

812600 E

DF0035

826200 N

826000 N

825800 N

825600 N

825400 N

821100 N

820900 N

East Portal

SLOPE TP_A

SLOPE TP_B

VEHICULAR UNDERPASS

West Portal

SLOPE TP_D

SLOPE TP_E

TOLL CONTROL BUILDING

RETAINING STRUCTURE TP_F

ER'S OFFICE

RETAINING STRUCTURE TP_G

SEWERAGE CULVERT

SLOPE TP_C

RETAINING STRUCTURE RW_A

TOLL PLAZA DECKING TD2

RETAINING STRUCTURE RW_B

TOLL PLAZA DECKING TD1

BRIDGE H1

BRIDGE G2

BRIDGE G1

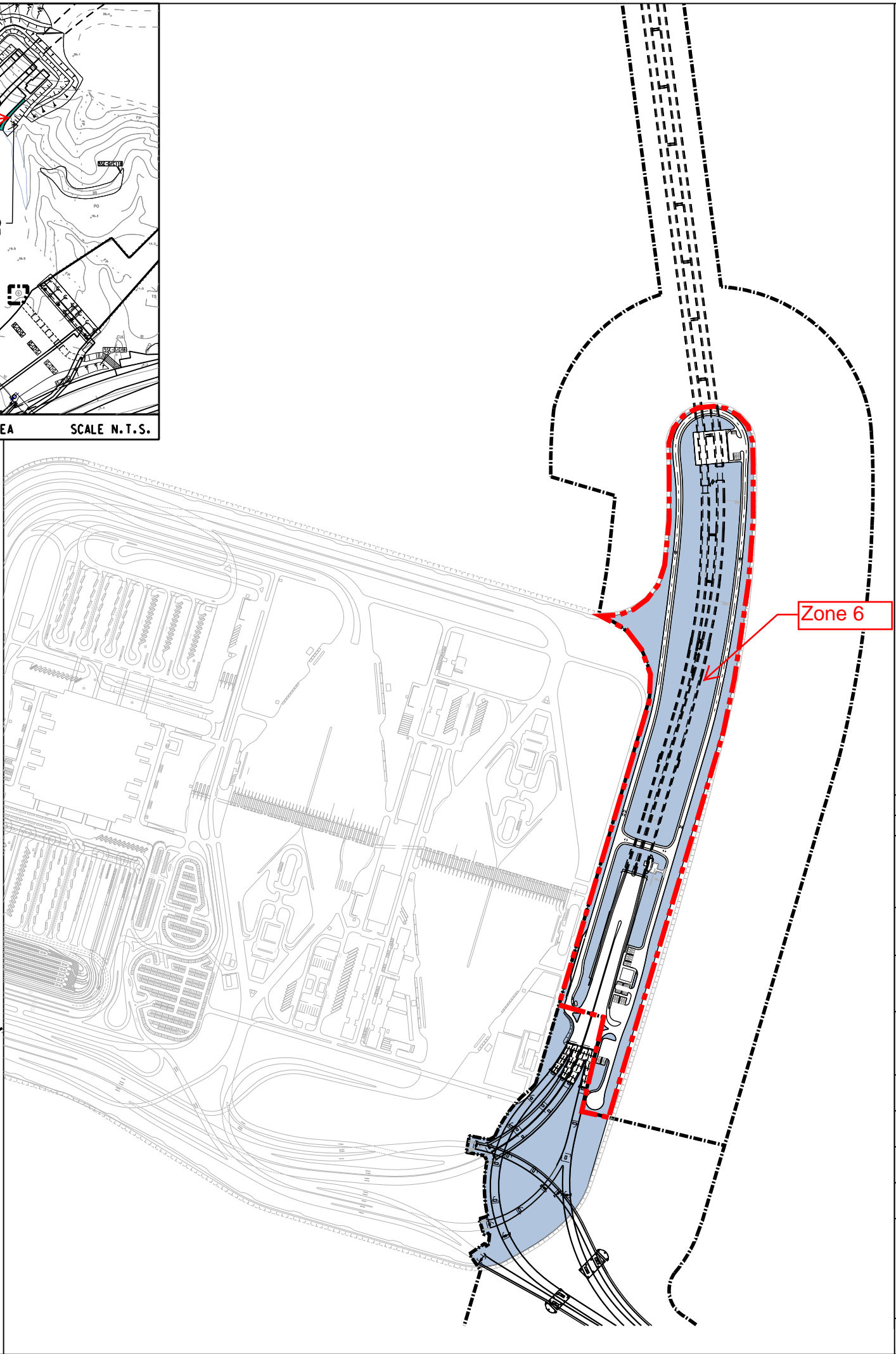
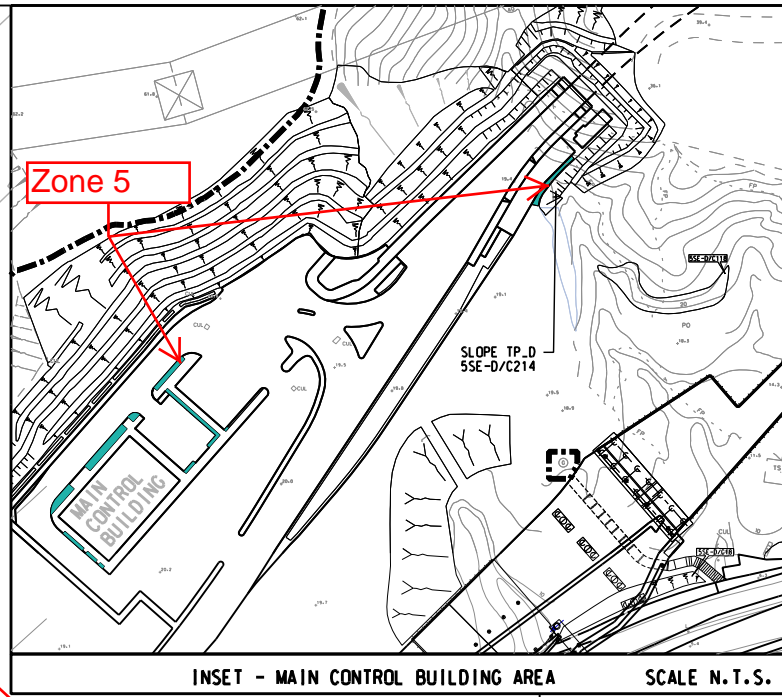
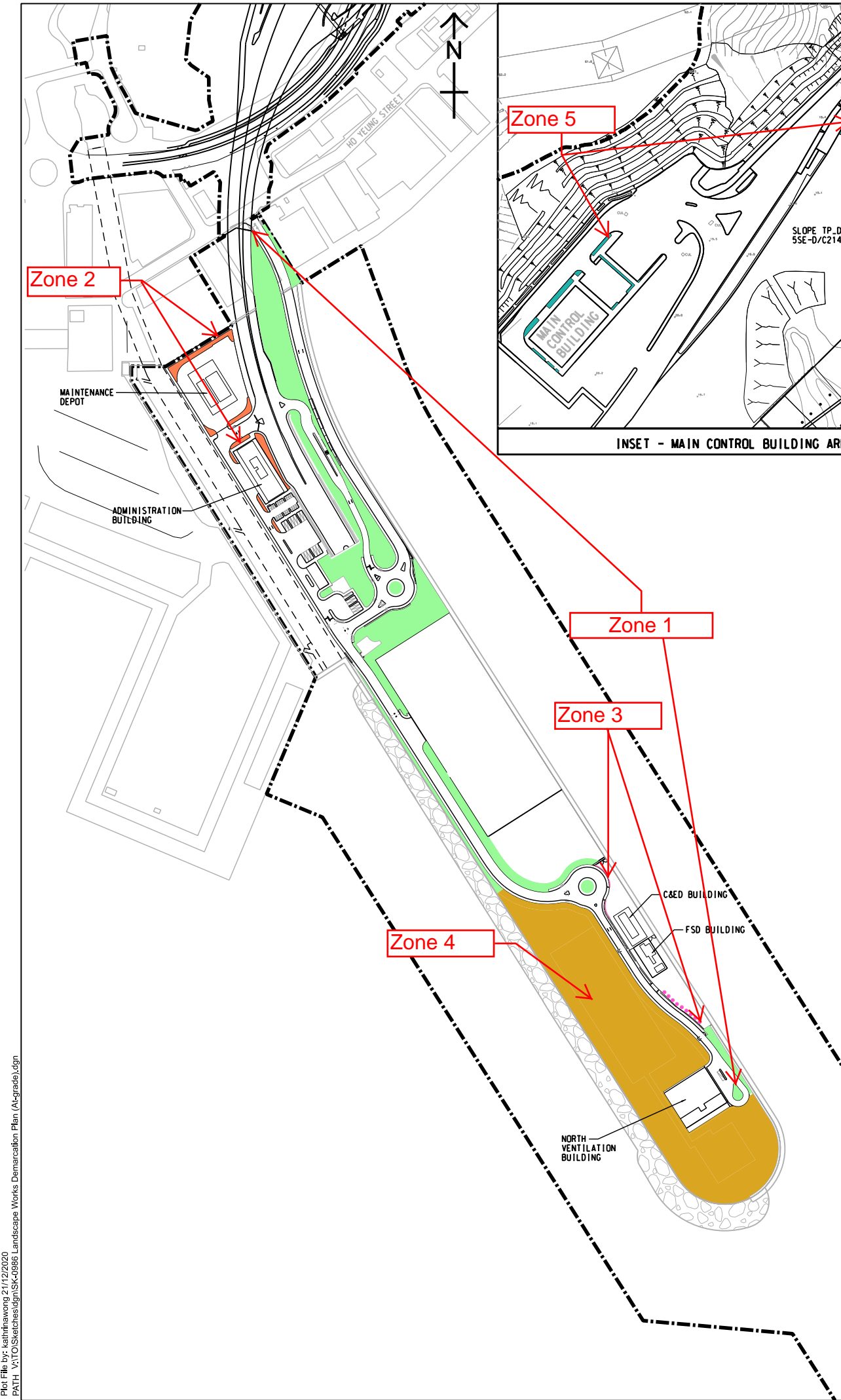
RETAINING STRUCTURE RW_E

CONTRACT NO. HY/2013/12

TUEN MUN - CHEK LAP KOK LINK

- NORTHERN CONNECTION TOLL PLAZA AND ASSOCIATED WORKS

Planting Area under Contract HY/2017/10



FOR INFORMATION

REV.	DATE	DESCRIPTION	CHK.	PREP.	DRAWN

CLIENT
 **HIGHWAYS DEPARTMENT**
 主要工程管理處(專責事務)
 Major Works Project Management Office
 (Special Duties)

AECOM Imagine it. Delivered.

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TUNNEL - BUILDINGS, ELECTRICAL AND MECHANICAL WORKS

PROJECT NO. 60240249 CONTRACT NO. HY/2017/10

SCALE N.T.S. DATE 21 DEC. 2020

AMENDMENT TO WORKING DRAWING NO.
 60240249/C4/

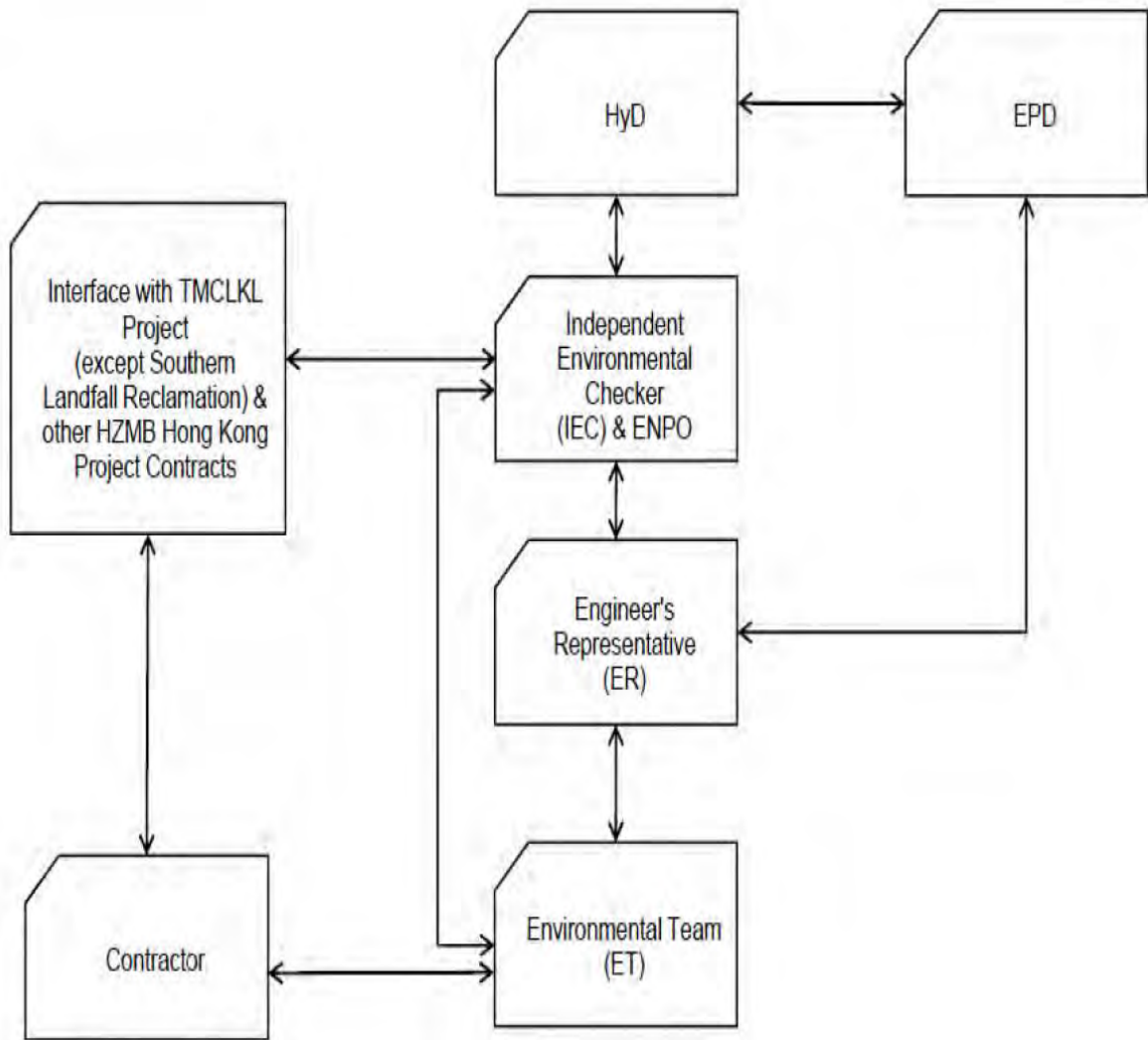
CHECKED	PREPARED	DRAWN
CL	CD	KW

SKETCH TITLE
ZONING PLAN - LANDSCAPE WORKS MONITORING (ESTABLISHMENT WORKS)

SKETCH NO.
 60240249/C4/SK/0986

Appendix C

Organization of the Contract



↔ Line of Communication

Project Organization chart

Contact Details of Key Personnel for the Contract HMWSD 2/2020 (HY)

Organization	Project Role	Name of Key Staff	Tel No	Fax No.
HyD	Employer	Mr. Tony Wong	2762 4982	3188 6614
AECOM	Principal Resident Engineer	Mr. S.W. Fok	2293 6200	2218 7399
AECOM	Senior Resident Landscape Architect	Ms. Candy Lau	2293 6200	2218 7399
AECOM	Resident Engineer (S&E)	Mr. Kelvin Yeung	2293 6200	2218 7399
Ramboll	Environmental Project Office Leader (ENPO Leader)	Mr. YH Hui	3465 2850	3465 2899
Ramboll	Independent Environmental Checker (IEC)	Mr. Brian Tam (Since 12 April 2021)	9700 6767	3465 2899
HKL	Project Manager	Mr. S.C. Wong	2388 6332	2385 7911
AUES	Environmental Team Leader	Mr. Ben Tam	2959 6059	2959 6079
AUES	Environmental Consultant	Miss Nicola Hon	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.**HKL (Main Contractor) – Hong Kong Landscaping Co., Ltd.**Ramboll (ENPO and IEC) – Ramboll Hong Kong Limited**AUES (ET) – Action-United Environmental Services & Consulting*

Appendix D

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

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

Appendix E

Monitoring Schedule

Establishment Inspection Schedule for this Reporting Period

Date		Planting Area under HY/2012/07 (Zone 1, 3 & 4)	Planting Area under HY/2012/07 (Zone 2)	Planting Area under HY/2013/12	Planting Area under HY/2017/10
Mon	1-November-21				
Tue	2-November-21				
Wed	3-November-21				
Thu	4-November-21				
Fri	5-November-21				
Sat	6-November-21				
Sun	7-November-21				
Mon	8-November-21		✓		
Tue	9-November-21				
Wed	10-November-21				
Thu	11-November-21				
Fri	12-November-21				
Sat	13-November-21				
Sun	14-November-21				
Mon	15-November-21				
Tue	16-November-21			✓	
Wed	17-November-21				
Thu	18-November-21				
Fri	19-November-21				
Sat	20-November-21				
Sun	21-November-21				
Mon	22-November-21				
Tue	23-November-21	✓			
Wed	24-November-21				
Thu	25-November-21				
Fri	26-November-21				
Sat	27-November-21				
Sun	28-November-21				
Mon	29-November-21				
Tue	30-November-21				

✓	Monitoring Day
	Sunday or Public Holiday

Establishment Inspection Schedule for the Next Reporting Period

Date		Planting Area under HY/2012/07 (Zone 1, 3 & 4)	Planting Area under HY/2012/07 (Zone 2)	Planting Area under HY/2013/12	Planting Area under HY/2017/10
Wed	1-December-21				
Thu	2-December-21				
Fri	3-December-21				
Sat	4-December-21				
Sun	5-December-21				
Mon	6-December-21				
Tue	7-December-21				
Wed	8-December-21				
Thu	9-December-21				
Fri	10-December-21				
Sat	11-December-21				
Sun	12-December-21				
Mon	13-December-21				
Tue	14-December-21				
Wed	15-December-21				
Thu	16-December-21				
Fri	17-December-21				
Sat	18-December-21				
Sun	19-December-21				
Mon	20-December-21				
Tue	21-December-21				
Wed	22-December-21				
Thu	23-December-21				
Fri	24-December-21				
Sat	25-December-21				
Sun	26-December-21				
Mon	27-December-21				
Tue	28-December-21				
Wed	29-December-21				
Thu	30-December-21				
Fri	31-December-21				

✓	Monitoring Day
	Sunday or Public Holiday

Appendix F

Checklist for Establishment Works Monitoring

Planting Area under Contract HY/2012/07 (Zone 1, 3 & 4)

Inspection Date: 23 November 2021

Inspected By: AUES

Time: 9:30 – 16:00

Weather Condition: Sunny

Participants: AECOM (RSS), Ramboll (IEC) & AUES (ET) Rep.

		N/A or not observed	Yes	No	Remarks / Photo
1	Zone: Area along Cheung Tung Road				
1.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.3	Are trees or limb overhanging branches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
1.5	Are litter and debris removed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
1.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Obs. 1
1.9	Are the planting species on site matched with the approved planting schedules (Annex B)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Obs. 1
		Good	Fair	Poor	
1.10	Overall health condition of the plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Obs. 2
2	Zone: Southern Landfall, HKBCF				
2.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.3	Are trees or limb overhanging branches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.4	Are pest and disease observed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.5	Are litter and debris removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.6	Are plants/ grasses overgrown?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.8	Are planting locations and tree spacing matched with the approved planting plans?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.9	Are the planting species on site matched with the approved planting schedules (Annex B)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

	Good	Fair	Poor	
2.10 Overall health condition of the plants?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>

3	Zone: Area within Expressway Boundary	N/A or not observed	Yes	No	Remarks / Photo
3.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.3	Are trees or limb overhanging branches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
3.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
3.5	Are litter and debris removed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.9	Are the planting species on site matched with the approved planting schedules (Annex B)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		Good	Fair	Poor	
3.10	Overall health condition of the plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Obs. 3</u>

4	Zone: Slopes outside Expressway Boundary	N/A or not observed	Yes	No	Remarks / Photo
4.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.3	Are trees or limb overhanging branches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
4.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
4.5	Are litter and debris removed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
4.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.9	Are the planting species on site matched with the approved planting schedules (Annex B)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		Good	Fair	Poor	
4.10	Overall health condition of the plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Obs. 4</u>

5	General Document	N/A or not observed	Yes	No	Remarks / Photo
5.1	Are the records of watering, fertilizing, weeding, pruning and mowing kept for checking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Follow up actions for previous Site Audit on 16 August 2021:

1. A portion of the landscape planting area on slope (9SE-B/F85) was trenched by a powered mechanical equipment working for drainage works (DSD Contract) in the vicinity of Cheung Tung Road. The construction works was completed and the reinstate works is in progress.
2. The trees (*Phoenix roebelenii*) on slope (9SE-B/F85) became wilted the tree health condition in terms of irrigation should be closely monitored and reviewed.
3. Several trees health condition at slope (10NW-C/F13 & 14) on Zone 3E is poor and became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed. (*Livistona chinensis*, *Bauhinia variegata* and *Bridelia tomentosa*)
4. Overgrown plants/grasses at Zone 3D was removed.
5. The trees (*Litsea glutinosa*) at Zone 4 became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed.

Observations:

1. A portion of the landscape planting area on slope (9SE-B/F85) was trenched by a powered mechanical equipment working for drainage works (DSD Contract) in the vicinity of Cheung Tung Road. The construction works was completed and the reinstate works is in progress.
2. The trees (*Phoenix roebelenii*) on slope (9SE-B/F85) became wilted the tree health condition in terms of irrigation should be closely monitored and reviewed.
3. Several trees health condition at slope (10NW-C/F13 & 14) on Zone 3E is poor and became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed. (*Livistona chinensis*, *Bauhinia variegata* and *Bridelia tomentosa*)
4. The trees (*Litsea glutinosa*) at Zone 4 became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed.

Corrective Actions (if any):

1. Tree health condition, irrigation in particular, should be closely monitored and reviewed.
2. Reinstatement of disturbed landscape planting area on slope (9SE-B/F85) to its original condition with the proposed shrub species re-planted shall be implemented once the drainage works (DSD Contract) has been completed.
3. Regularly weeding should be provided.

General Conclusion:

Total number of trees planted: 113(Zone 1); 673(Zone 3); and 143 (Zone 4).

Planting area under Contract No. HY/2012/07: 9.70 ha (Zone 1, 3 & 4) (based on the survey data provided by the SOR).

Remarks:

The planting Zone: Southern Landfall, HKBCF had been handed over to Contract HY/2017/10 from December 2020, therefore no inspection was undertaken in Zone 2 in this contract.

Inspected by
(ET's Representative): Ben Tam

Title: Environmental Consultant

Signature: 

Date: 23 November 2021

Reviewed by
(RSS Landscape Representative): Candy Lau

Title: Senior Resident Landscape Architect

Signature: 

Date: 21 December 2021

Contractor's Representative: 

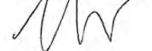
Title: Senior Project Manager

Signature: 


Date: _____

Checked by
(IEC's Representative): Theo Chan

Title: Assistant Environmental Consultant

Signature: 

Date: 21 December 2021

Location	Photo	Information
Zone 1B (9SE-B/F85)		Follow-up action 1 & Observation 1: A portion of the landscape planting area on slope (9SE-B/F85) was trenched by a powered mechanical equipment working for drainage works (DSD Contract) in the vicinity of Cheung Tung Road. The construction works was completed and the reinstate works is in progress.
Zone 1B (9SE-B/F85)		Follow-up action 2 & Observation 2: The trees (<i>Phoenix roebelenii</i>) on slope (9SE-B/F85) became wilted the tree health condition in terms of irrigation should be closely monitored and reviewed.



Zone 3E
(10NW-C/F13 & 14)



Follow-up action 3 & Observation 3: Several trees health condition at slope (10NW-C/F13 & 14) on Zone 3E is poor and became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed. (*Livistona chinensis*, *Bauhinia variegata* and *Bridelia tomentosa*)







Zone 3D



Follow-up action 4: Overgrown plants/grasses at Zone 3D was removed.

Zone 4



Follow-up action 5 & Observation 4: The trees (*Litsea glutinosa*) at Zone 4 became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed.

Zone 1

Area along Cheung Tung Road



General View for Zone 1B



General View for Zone 1B



General View for Zone 1B



General View for Zone 1B



General View for Zone 1C



General View for Zone 1C



General View for Zone 1C



General View for Zone 1C



General View for Zone 1D



General View for Zone 1D



General View for Zone 1D



General View for Zone 1D

Zone 3

Area within Expressway Boundary



General View for Zone 3B



General View for Zone 3B



General View for Zone 3C



General View for Zone 3C



General View for Zone 3D



General View for Zone 3D



General View for Zone 3D



General View for Zone 3D



General View for Zone 3D



General View for Zone 3D



General View for Zone 3D



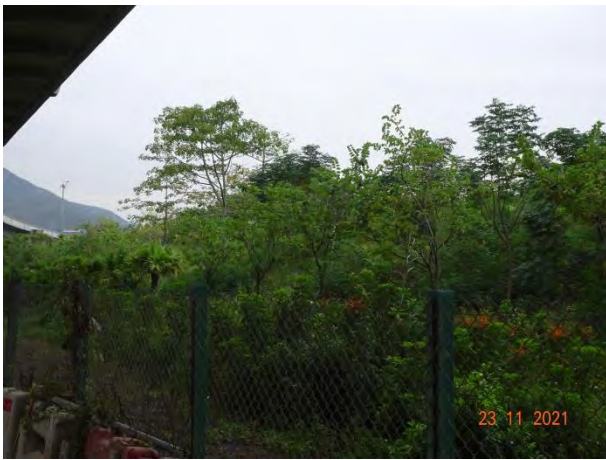
General View for Zone 3D



General View for Zone 3E



General View for Zone 3E



General View for Zone 3E



General View for Zone 3E



General View for Zone 3E



General View for Zone 3E



General View for Zone 3F



General View for Zone 3F

Zone 4

Slopes outside Expressway Boundary



General View for Zone 4



General View for Zone 4



General View for Zone 4



General View for Zone 4



General View for Zone 4



General View for Zone 4



General View for Zone 4



General View for Zone 4

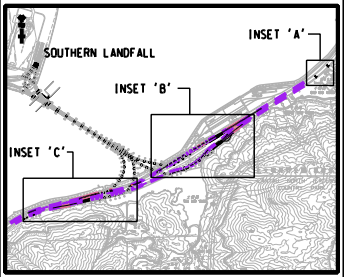
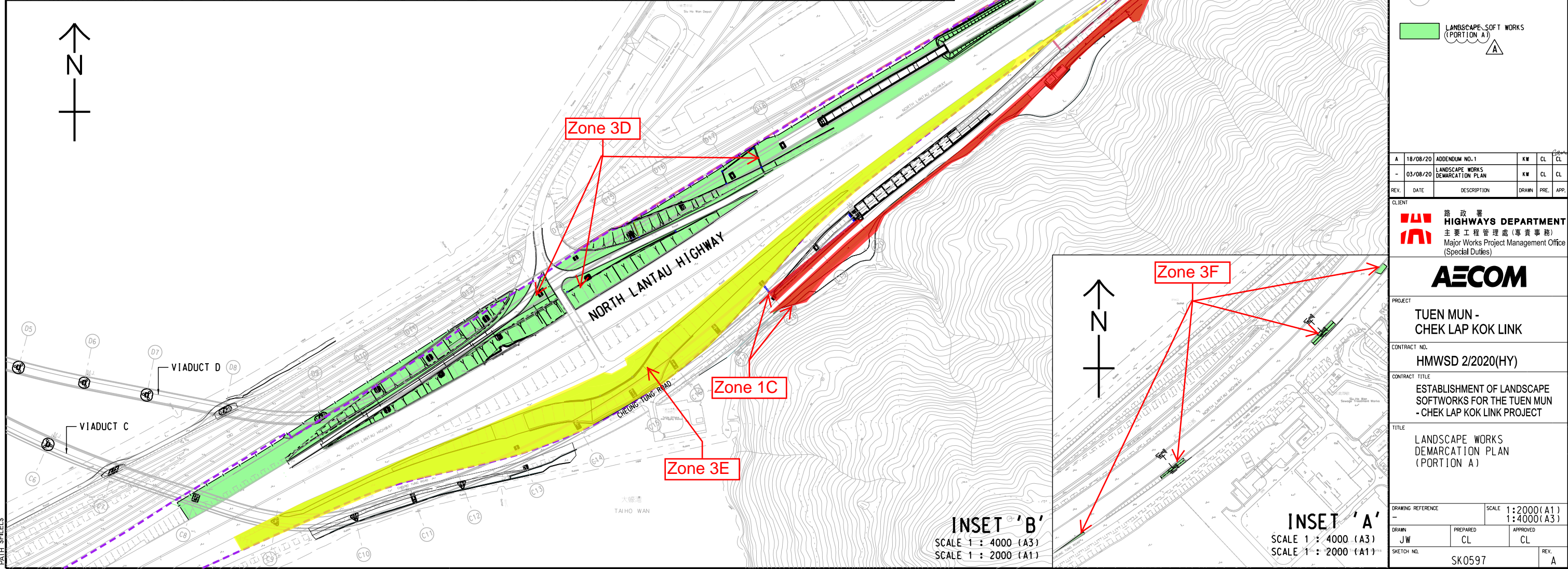
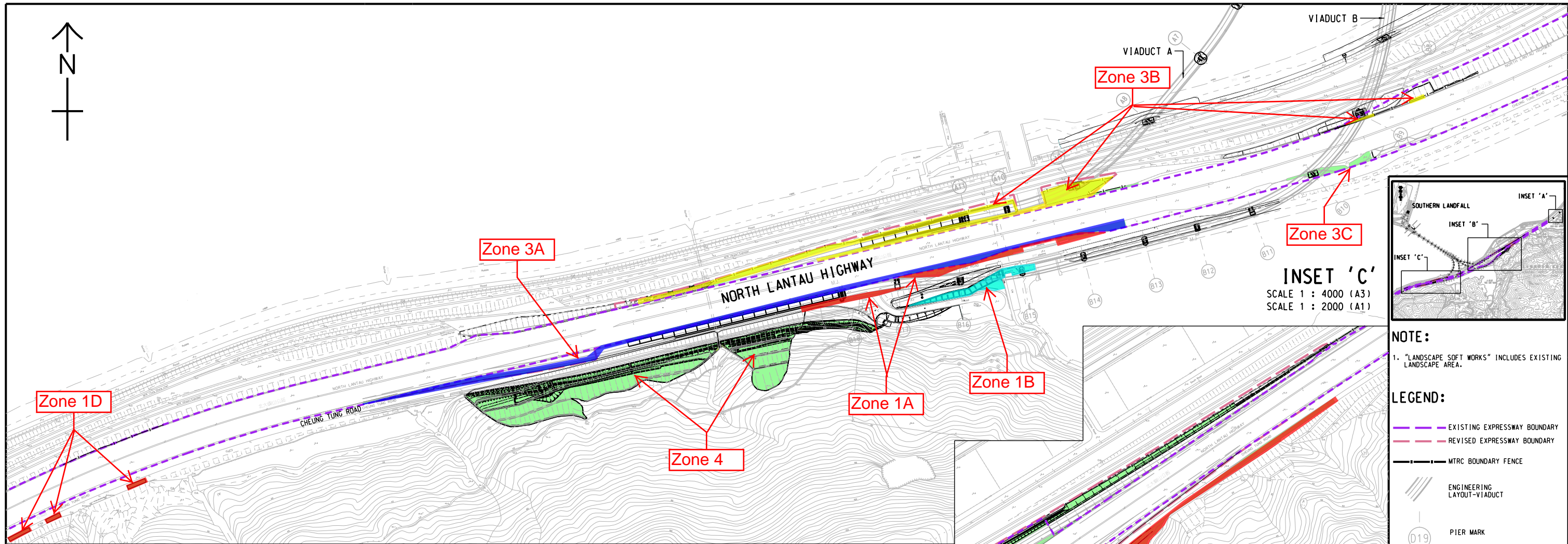


General View for Zone 4



General View for Zone 4

Appendix A
Zoning Plan for Contract No. HY/2012/07 (Zone 1, 3 & 4)



NOTE:
1. "LANDSCAPE SOFT WORKS" INCLUDES EXISTING LANDSCAPE AREA.

- LEGEND:**
- EXISTING EXPRESSWAY BOUNDARY
 - REVISED EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE
 - ENGINEERING LAYOUT-VIADUCT
 - D19 PIER MARK
 - LANDSCAPE SOFT WORKS (PORTION A)

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
A	18/08/20	ADDENDUM NO.1	KW	CL	CL
-	03/08/20	LANDSCAPE WORKS DEMARCATION PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

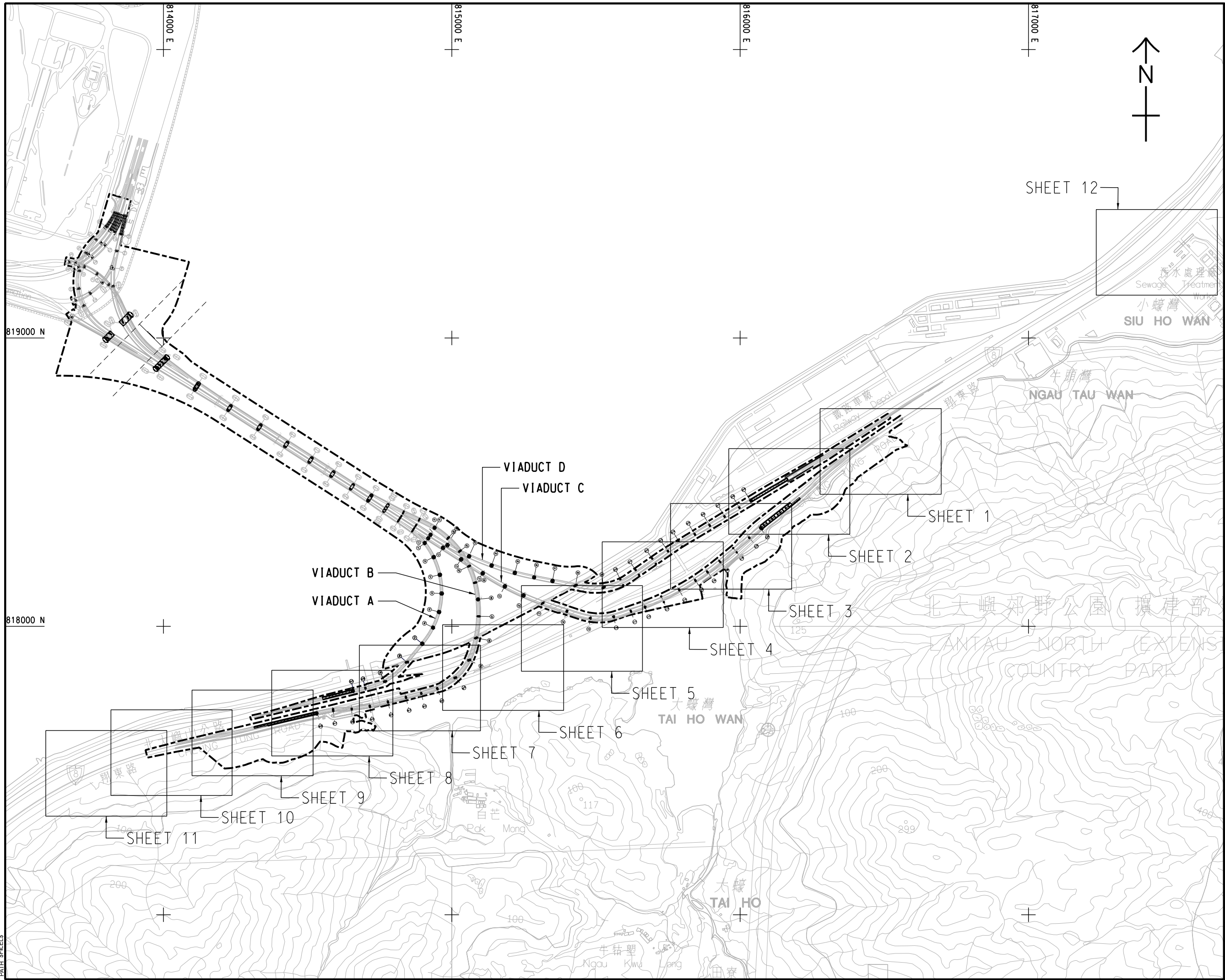
CONTRACT NO.
HMWS2 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
LANDSCAPE WORKS DEMARCATION PLAN (PORTION A)

DRAWING REFERENCE	SCALE 1:2000(A1)	SCALE 1:4000(A3)
DRAWN	PREPARED	APPROVED
JW	CL	CL
SKETCH NO.	REV.	A
SK0597		

Appendix B
Summary of Compensatory Planting Area for Contract No. HY/2012/07 (Zone 1, 3 & 4)



NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0560 TO SK0585.

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	LANDSCAPE KEY PLAN	KW	CL	CL

CLIENT

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



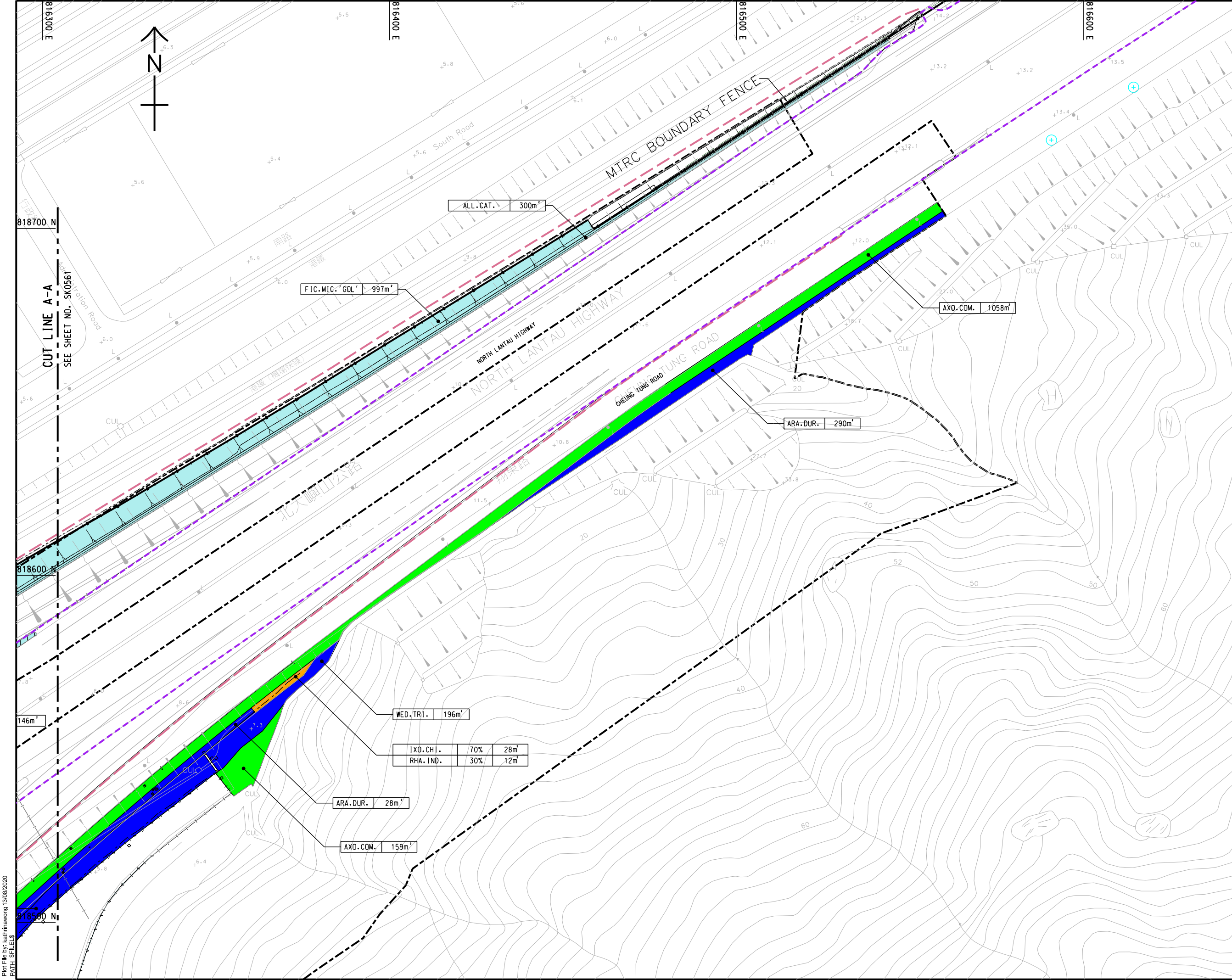
PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
LANDSCAPE KEY PLAN (PORTION A)

DRAWING REFERENCE		SCALE
-		1:6000(A1) 1:12000(A3)
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.		REV.
SK0559		-



NOTES:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:

- SITE BOUNDARY
- EXISTING EXPRESSWAY BOUNDARY
- REVISED EXPRESSWAY BOUNDARY
- MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- (D19) PIER MARK
- YYY FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOIL CUT SLOPE
- +++ SOIL NAIL
- GRASS
- SHRUB
- GROUND COVER
- HYDROSEEDING WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- SHRUB WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- GROUND COVER WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- CLIMBER WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- AREA UNDER CONTRACT NO. DC/2016/01
- CLIMBERS FOR PIERS OF VIADUCT
- CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOIL CUT SLOPES
- RHA.EXC. 905.78 m²
- SPECIES AREA(sq.m)
- 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
- EXISTING TREE (APPROXIMATE LOCATION)

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	SHRUB PLANTING PLAN	KW	CL	CL

CLIENT

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



PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

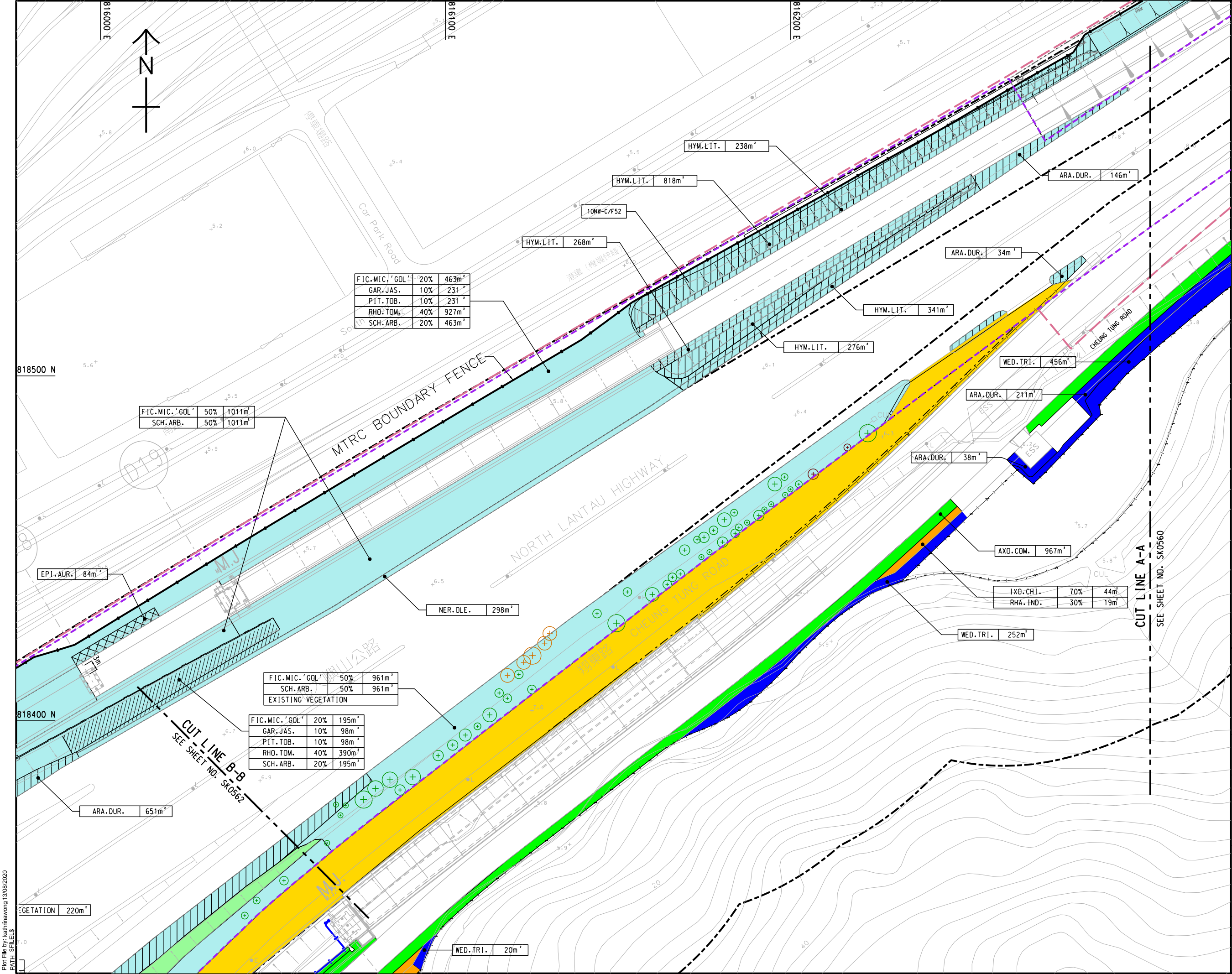
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
SHRUB PLANTING PLAN (PORTION A)

SHEET 1 OF 12

DRAWING REFERENCE		SCALE
-		1:500 (A1) 1:1000 (A3)
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0560	-	

Plot File by: kashinawong 13/08/2020
 PATH: SP1E1S



NOTES:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:

- SITE BOUNDARY
- EXISTING EXPRESSWAY BOUNDARY
- REVISED EXPRESSWAY BOUNDARY
- MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- PIER MARK
- FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOILCUT SLOPE
- SOIL NAIL
- GRASS
- SHRUB
- GROUNDCOVER
- HYDROSEEDING, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- SHRUB, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- GROUNDCOVER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- CLIMBER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- AREA UNDER CONTRACT NO. DC/2016/01
- CLIMBERS FOR PIERS OF VIADUCT
- CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
- RHA.EXC. 905.78 m²
- SPECIES AREA(sq.m)
- 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
- EXISTING TREE (APPROXIMATE LOCATION)

FIC.MIC.'GOL'	20%	463m'
GAR.JAS.	10%	231'
PIT.TOB.	10%	231'
RHO.TOM.	40%	927m'
SCH.ARB.	20%	463m'

FIC.MIC.'GOL'	50%	1011m'
SCH.ARB.	50%	1011m'

FIC.MIC.'GOL'	50%	961m'
SCH.ARB.	50%	961m'
EXISTING VEGETATION		

FIC.MIC.'GOL'	20%	195m'
GAR.JAS.	10%	98m'
PIT.TOB.	10%	98m'
RHO.TOM.	40%	390m'
SCH.ARB.	20%	195m'

IXD.CH1.	70%	44m'
RHA.IND.	30%	19m'

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	SHRUB PLANTING PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

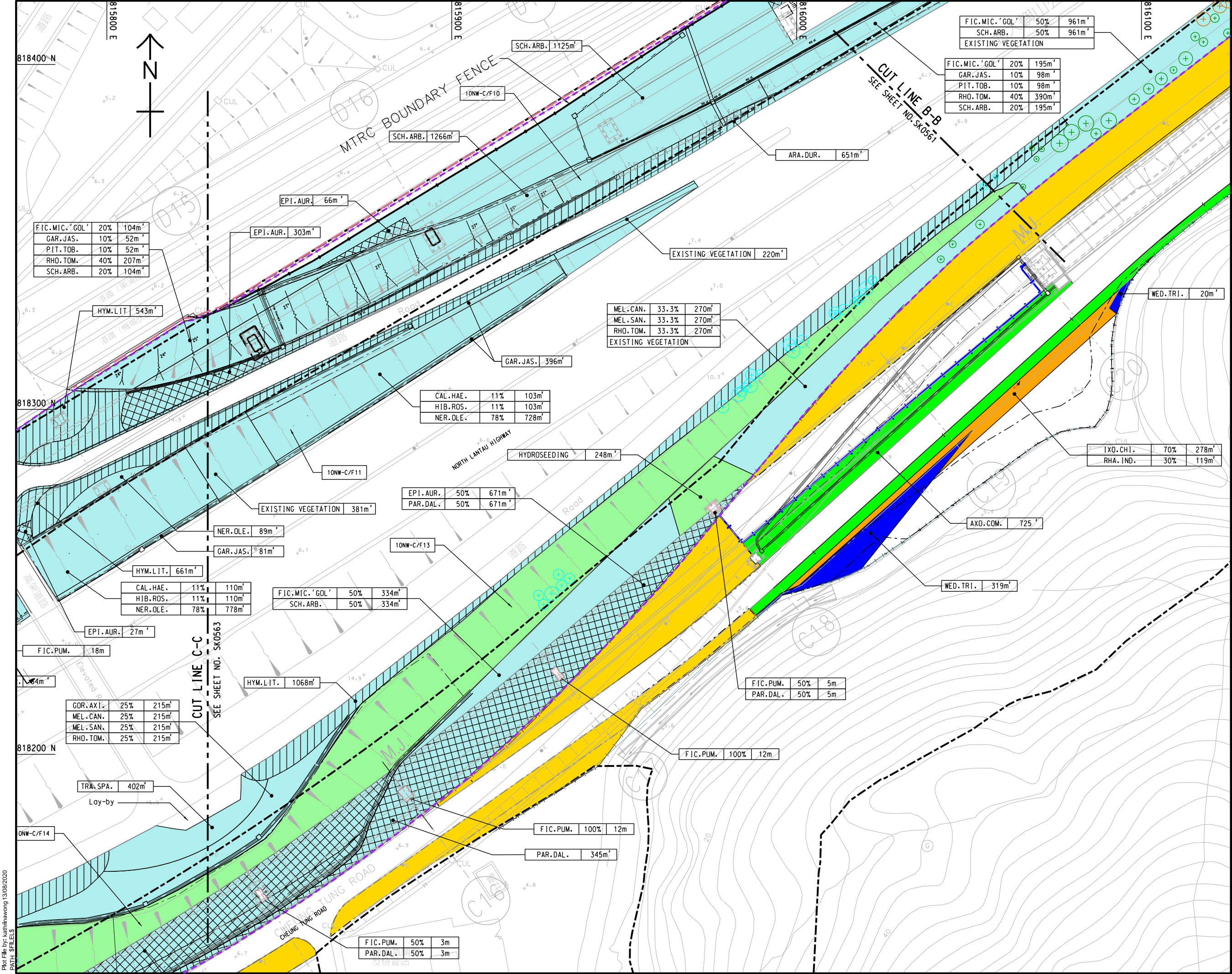
CONTRACT NO.
HMWS2 2/2020(HY)

CONTRACT TITLE
 ESTABLISHMENT OF LANDSCAPE
 SOFTWARES FOR THE TUEN MUN
 - CHEK LAP KOK LINK PROJECT

TITLE
**SHRUB PLANTING PLAN
 (PORTION A)**

DRAWING REFERENCE
 SCALE 1:500 (A1)
 1:1000 (A3)

DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0561	-	



NOTES:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:

- SITE BOUNDARY
- EXISTING EXPRESSWAY BOUNDARY
- REVISED EXPRESSWAY BOUNDARY
- MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- PIER MARK
- FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOILCUT SLOPE
- SOIL NAIL
- GRASS
- SHRUB
- GROUNDCOVER
- HYDROSEEDING, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- SHRUB, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- GROUNDCOVER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- CLIMBER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- AREA UNDER CONTRACT NO. DC/2016/01
- CLIMBERS FOR PIERS OF VIADUCT
- CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
- RHA.EXC. 905.78 m²
- SPECIES AREA(sq.m)
- 10NW-C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
- EXISTING TREE (APPROXIMATE LOCATION)

-	23/06/20	SHRUB PLANTING PLAN	KW	CL	CL
REV.	DATE	DESCRIPTION	DRAWN	PREP.	APP.

CLIENT
 路政署
HIGHWAYS DEPARTMENT
 主要工程管理处(專責事務)
 Major Works Project Management Office
 (Special Duties)

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

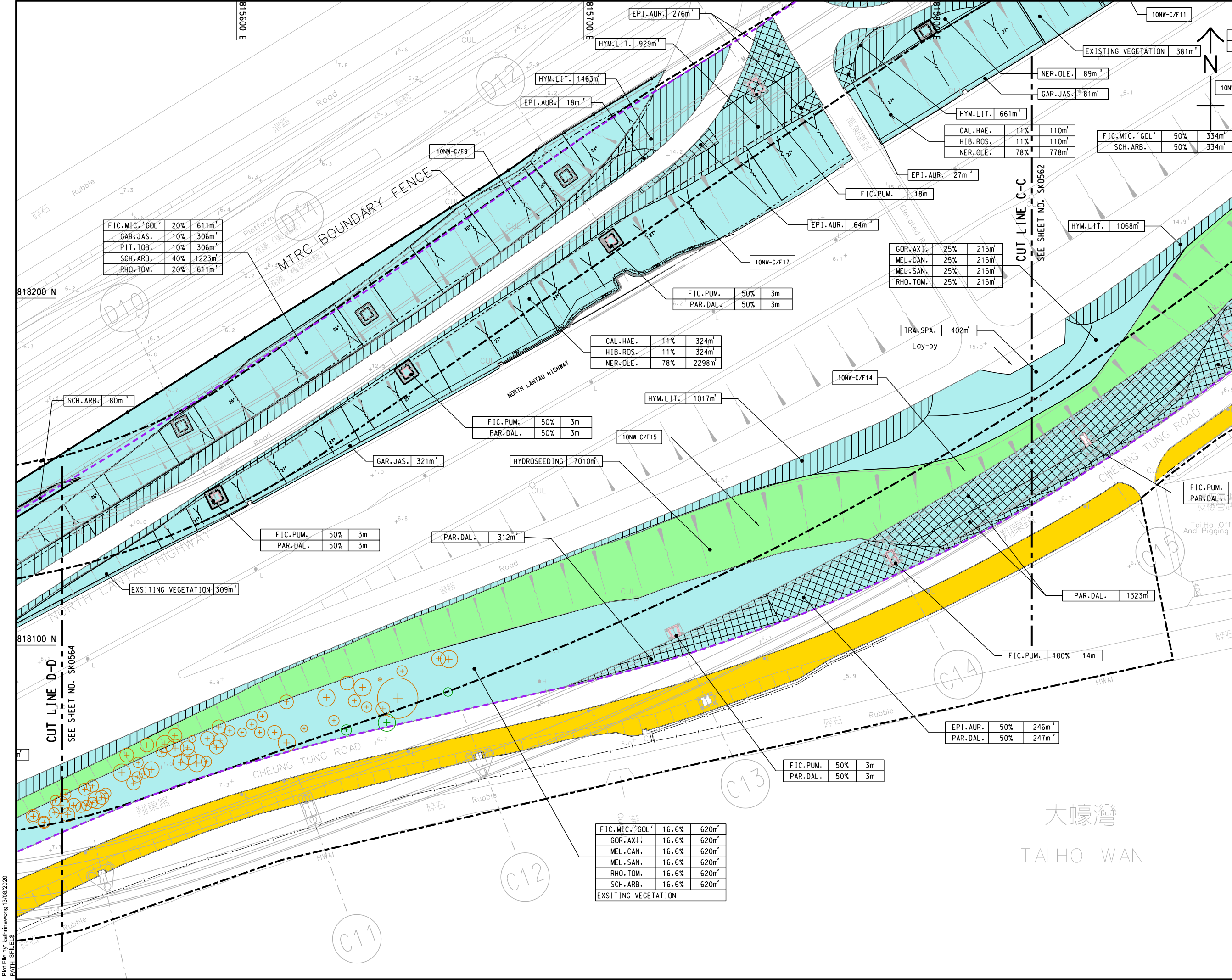
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
SHRUB PLANTING PLAN (PORTION A)

SHEET 3 OF 12

DRAWING REFERENCE	SCALE	1:500 (A1)
		1:1000 (A3)
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0562	-	

Plot File by: kaahinawong 13/08/2020
 PATH: SP1E1E5



FIC. MIC. 'GOL'	20%	611m ²
GAR. JAS.	10%	306m ²
PIT. TOB.	10%	306m ²
SCH. ARB.	40%	1223m ²
RHO. TOM.	20%	611m ²

FIC. PUM.	50%	3m
PAR. DAL.	50%	3m

FIC. PUM.	50%	3m
PAR. DAL.	50%	3m

CAL. HAE.	11%	324m ²
HIB. ROS.	11%	324m ²
NER. OLE.	78%	2298m ²

FIC. MIC. 'GOL'	16.6%	620m ²
GOR. AXI.	16.6%	620m ²
MEL. CAN.	16.6%	620m ²
MEL. SAN.	16.6%	620m ²
RHO. TOM.	16.6%	620m ²
SCH. ARB.	16.6%	620m ²
EXISTING VEGETATION		

CAL. HAE.	11%	110m ²
HIB. ROS.	11%	110m ²
NER. OLE.	78%	778m ²

GOR. AXI.	25%	215m ²
MEL. CAN.	25%	215m ²
MEL. SAN.	25%	215m ²
RHO. TOM.	25%	215m ²

EPI. AUR.	50%	246m ²
PAR. DAL.	50%	247m ²

FIC. PUM.	50%	3m
PAR. DAL.	50%	3m

NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:
 - - - - - SITE BOUNDARY
 - - - - - EXISTING EXPRESSWAY BOUNDARY
 - - - - - REVISED EXPRESSWAY BOUNDARY
 - - - - - MTRC BOUNDARY FENCE
 --- ENGINEERING LAYOUT-VIADUCT
 (D19) PIER MARK
 Y Y Y FILL SLOPE
 MAX 70° ROCK CUT SLOPE
 MAX 50° SOILCUT SLOPE
 +++ SOIL NAIL
 GRASS
 SHRUB
 GROUND COVER
 HYDROSEEDING WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 SHRUB WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 GROUND COVER WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 CLIMBER WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 AREA UNDER CONTRACT NO. DC/2016/01
 CLIMBERS FOR PIERS OF VIADUCT
 CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
 RHA. EXC. 905.78 m²
 SPECIES AREA (sq.m)
 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
 EXISTING TREE (APPROXIMATE LOCATION)

23/06/20	SHRUB PLANTING PLAN	KW	CL	CL
REV.	DATE	DESCRIPTION	DRAWN	PRE. APP.

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



PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

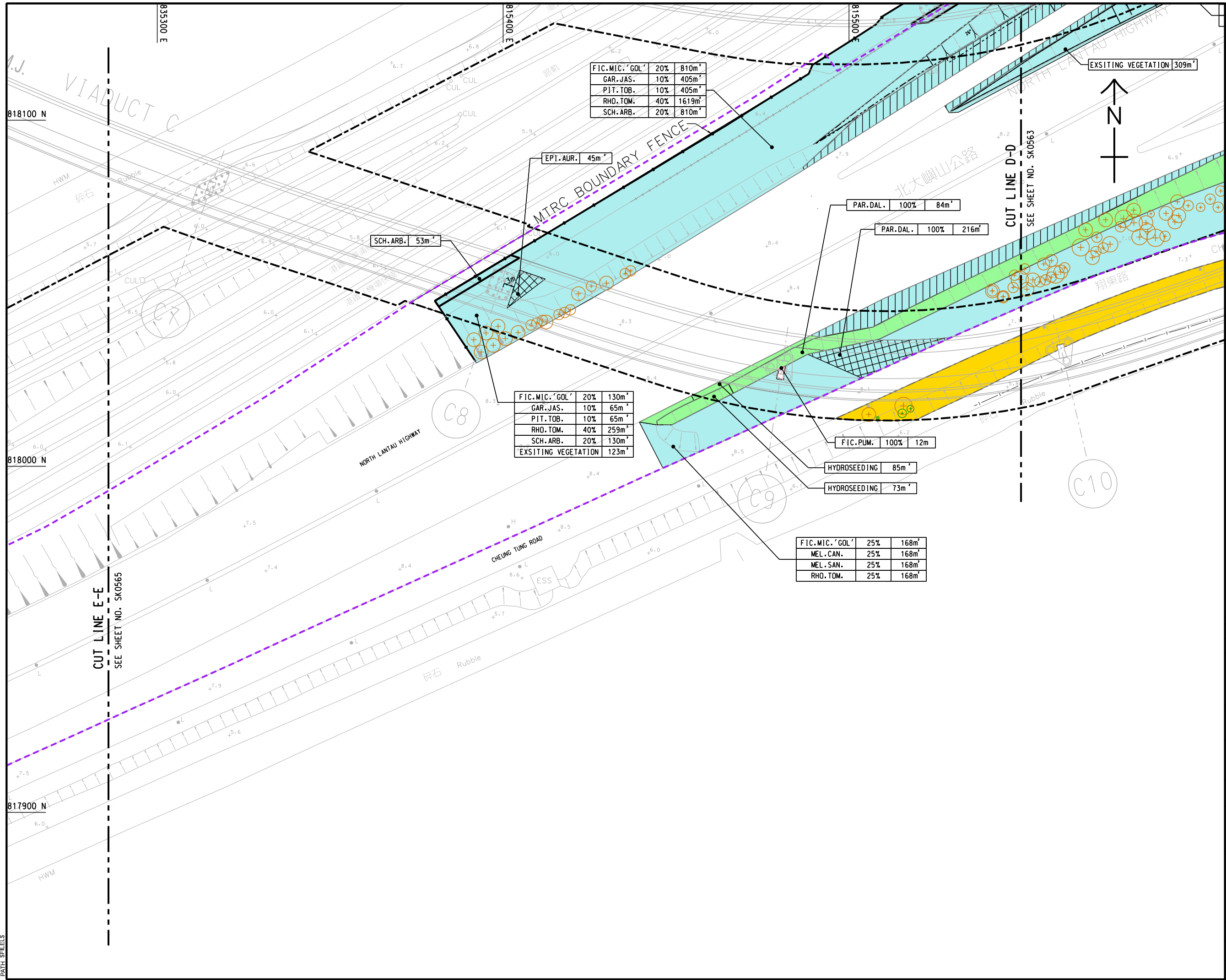
TITLE
SHRUB PLANTING PLAN (PORTION A)

9500 E
9500 N
9500 W
9500 S

SCALE
1:500 (A1)
1:1000 (A3)

DRAWN	PREPARED	APPROVED
KW	CL	CL

SKETCH NO. SK0563



- NOTES:**
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.
- LEGEND:**
- - - SITE BOUNDARY
 - - - EXISTING EXPRESSWAY BOUNDARY
 - - - REVISED EXPRESSWAY BOUNDARY
 - - - MTRC BOUNDARY FENCE
 - ENGINEERING LAYOUT-VIADUCT
 - (D19) PIER MARK
 - Y Y Y FILL SLOPE
 - MAX 70° ROCK CUT SLOPE
 - MAX 50° SOILCUT SLOPE
 - +++ SOIL NAIL
 - GRASS
 - SHRUB
 - GROUND COVER
 - HYDROSEEDING, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 - SHRUB, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 - GROUND COVER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 - CLIMBER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 - AREA UNDER CONTRACT NO. DC/2016/01
 - CLIMBERS FOR PIERS OF VIADUCT
 - CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
 - RHA. EXC. 905.78 m²
 - SPECIES AREA (sq.m)
 - 10N - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
 - EXISTING TREE (APPROXIMATE LOCATION)

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	SHRUB PLANTING PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

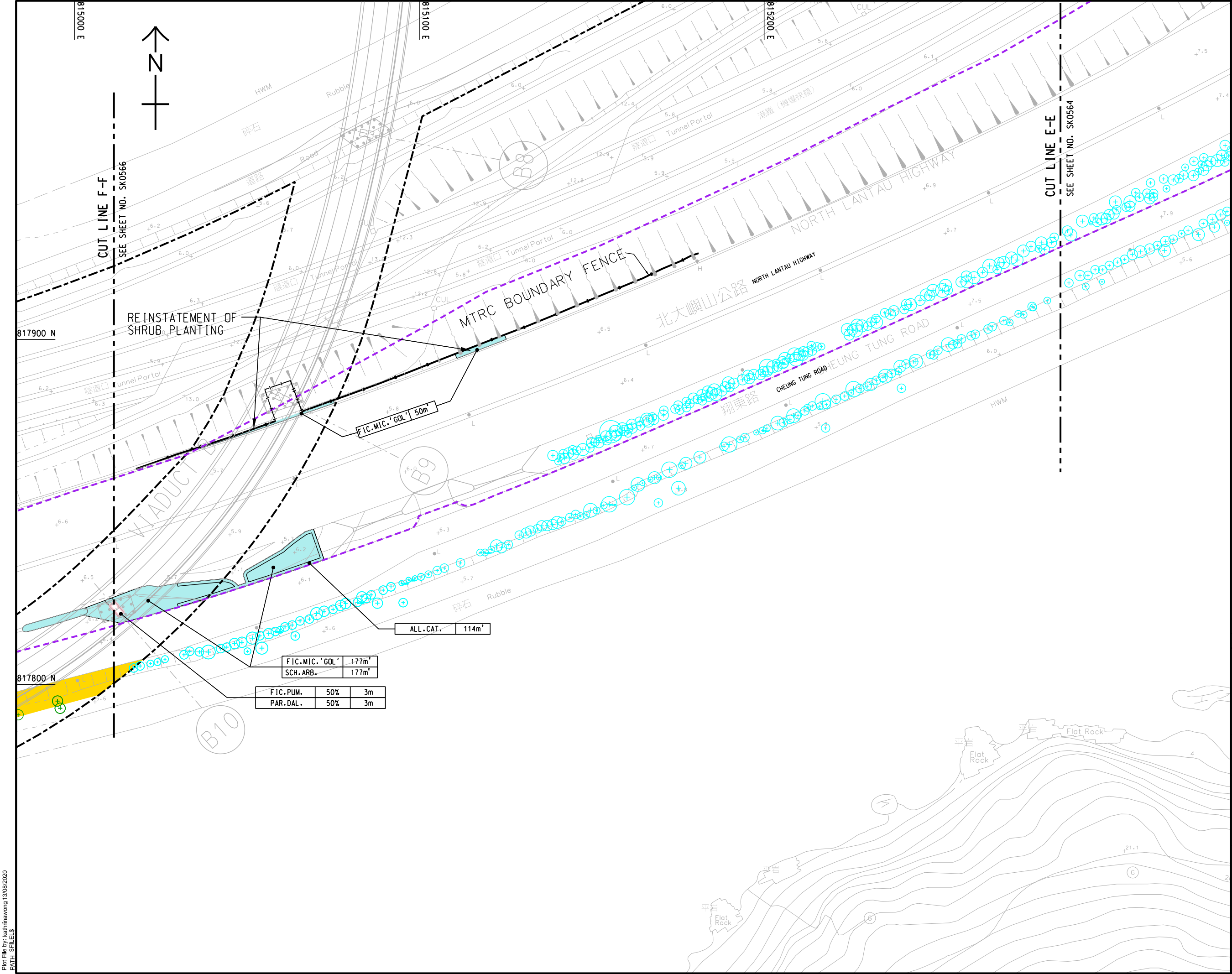
CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
SHRUB PLANTING PLAN (PORTION A)

SHEET 5 OF 12

DRAWING REFERENCE	SCALE	
-	1:500 (A1) 1:1000 (A3)	
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0564	-	



NOTES:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:

- - - SITE BOUNDARY
- - - EXISTING EXPRESSWAY BOUNDARY
- - - REVISED EXPRESSWAY BOUNDARY
- - - MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- (D19) PIER MARK
- Y Y Y FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOILCUT SLOPE
- ++ + SOIL NAIL
- GRASS
- SHRUB
- GROUND COVER
- HYDROSEEDING, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- SHRUB, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- GROUND COVER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- CLIMBER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- AREA UNDER CONTRACT NO. DC/2016/01
- CLIMBERS FOR PIERS OF VIADUCT
- CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
- RHA.EXC. 905.78 m²
- SPECIES AREA(sq.m)
- 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
- EXISTING TREE (APPROXIMATE LOCATION)

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	SHRUB PLANTING PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

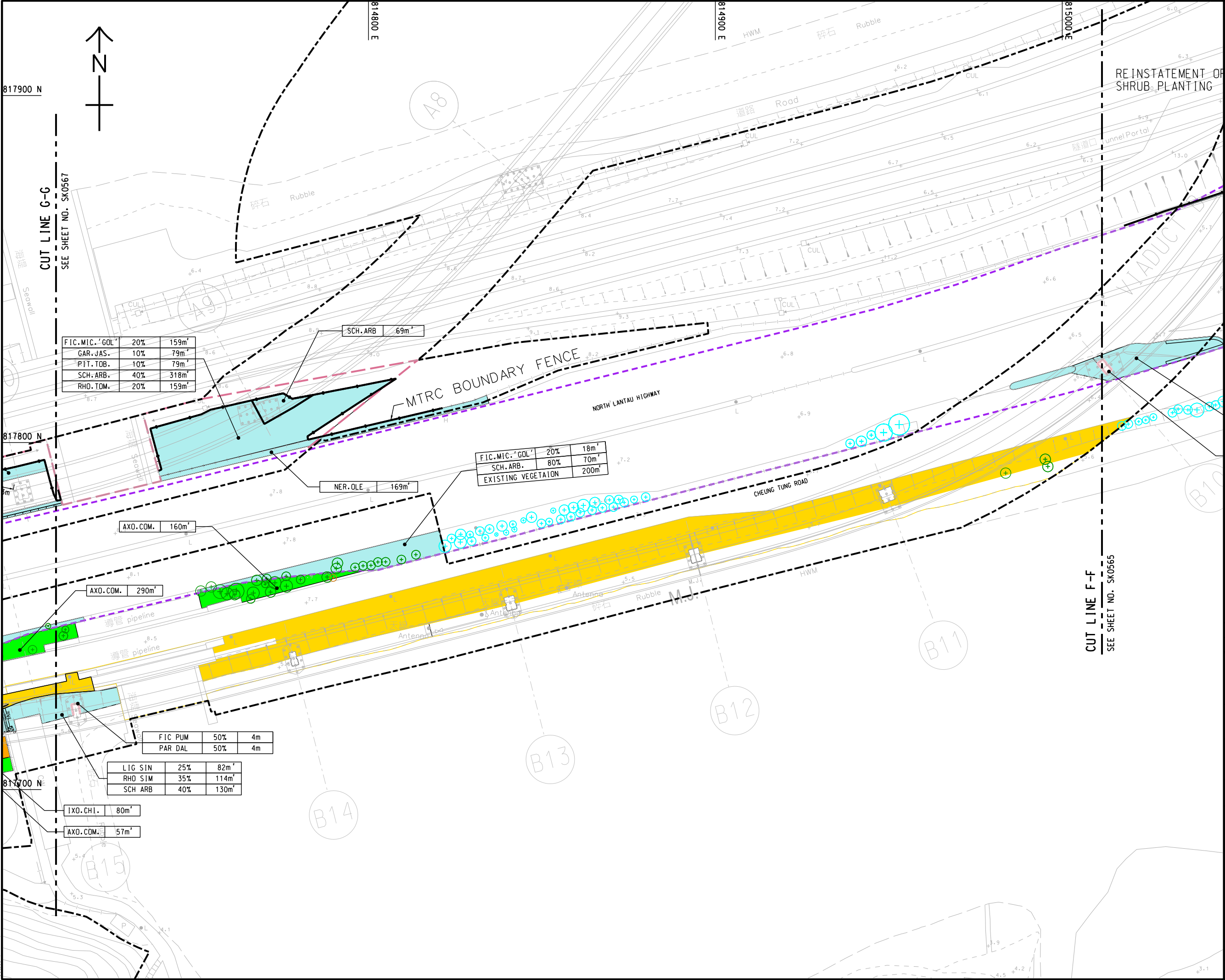
CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
SHRUB PLANTING PLAN (PORTION A)

SHEET 6 OF 12

DRAWING REFERENCE	SCALE	1:500 (A1)
		1:1000 (A3)
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0565	-	



FIC. MIC. 'GOL'	20%	159m'
GAR. JAS.	10%	79m'
PIT. TOB.	10%	79m'
SCH. ARB.	40%	318m'
RHO. TOM.	20%	159m'

SCH. ARB. 69m'

FIC. MIC. 'GOL'	20%	18m'
SCH. ARB.	80%	70m'
EXISTING VEGETATION		200m'

NER. OLE 169m'

AXO. COM. 160m'

AXO. COM. 290m'

FIC PUM	50%	4m
PAR DAL	50%	4m

LIG SIN	25%	82m'
RHO SIM	35%	114m'
SCH ARB	40%	130m'

IXO. CHI. 80m'

AXO. COM. 57m'

NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:
 --- SITE BOUNDARY
 --- EXISTING EXPRESSWAY BOUNDARY
 --- REVISED EXPRESSWAY BOUNDARY
 --- MTRC BOUNDARY FENCE
 --- ENGINEERING LAYOUT-VIADUCT
 (D19) PIER MARK
 YYY FILL SLOPE
 MAX 70° ROCK CUT SLOPE
 MAX 50° SOILCUT SLOPE
 +++ SOIL NAIL
 GRASS
 SHRUB
 GROUND COVER
 HYDROSEEDING, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 SHRUB, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 GROUND COVER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 CLIMBER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 AREA UNDER CONTRACT NO. DC/2016/01
 CLIMBERS FOR PIERS OF VIADUCT
 CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
 RHA. EXC. 905.78 m²
 SPECIES AREA (sq.m)
 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
 EXISTING TREE (APPROXIMATE LOCATION)

23/06/20	SHRUB PLANTING PLAN	KW	CL	CL
REV. DATE	DESCRIPTION	DRAWN	PRE.	APP.

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
 ESTABLISHMENT OF LANDSCAPE
 SOFTWARES FOR THE TUEN MUN
 - CHEK LAP KOK LINK PROJECT

TITLE
 SHRUB PLANTING PLAN
 (PORTION A)

SHEET 7 OF 12

DRAWING REFERENCE	SCALE	
-	1:500 (A1) 1:1000 (A3)	
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0566	-	



817800 N

814500 E

814000 E

814000 E

CUT LINE H-H
SEE SHEET NO. SK0568

817700 N

817600 N

CUT LINE G-G
SEE SHEET NO. SK0566

FIC. MIC. 'GOL'	20%	59m ²
GAR. JAS.	10%	29m ²
PIT. TOB.	10%	29m ²
SCH. ARB.	40%	117m ²
RHO. TOM.	20%	59m ²

FIC. MIC. 'GOL'	20%	59m ²
GAR. JAS.	10%	29m ²
PIT. TOB.	10%	29m ²
SCH. ARB.	40%	117m ²
RHO. TOM.	20%	59m ²

FIC. MIC. 'GOL'	20%	16m ²
SCH. ARB.	80%	64m ²
EXISTING VEGETATION		350m ²

GOR. AXI.	15%	60m ²
MEL. CAN.	15%	60m ²
MEL. SAN.	15%	60m ²
PSY. ASI.	5%	20m ²
RHO. SIM.	10%	40m ²
RHO. TOM.	20%	80m ²
SCH. ARB.	20%	80m ²

GOR. AXI.	20%	44m ²
MEL. CAN.	20%	44m ²
MEL. SAN.	20%	44m ²
PSY. ASI.	20%	44m ²
RHO. TOM.	20%	44m ²
EXISTING VEGETATION		

HYDROSEEDING	221m ²
EXISTING VEGETATION	
HYDROSEEDING	368m ²
EXISTING VEGETATION	

LON. JAP.	50%	45m
PAR. DAL.	50%	45m

HYM. LIT. 566m²

HYM. LIT. 308m²

AXO. COM. 407m²

EPI. AUR. 4m²

ARA. DUR. 249m²

EPI. AUR. 60m²

NER. OLE 146m²

AXO. COM. 290m²

LIG SIN
RHO SIM
SCH ARB

IXO. CHI. 80m²

AXO. COM. 57m²

NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:
--- SITE BOUNDARY
--- EXISTING EXPRESSWAY BOUNDARY
--- REVISED EXPRESSWAY BOUNDARY
--- MTRC BOUNDARY FENCE
--- ENGINEERING LAYOUT-VIADUCT
○ D19 PIER MARK
YYY FILL SLOPE
MAX 70° ROCK CUT SLOPE
MAX 50° SOILCUT SLOPE
+++ SOIL NAIL
GRASS
SHRUB
GROUND COVER
HYDROSEEDING WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
SHRUB WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
GROUND COVER WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
CLIMBER WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
AREA UNDER CONTRACT NO. DC/2016/01
CLIMBERS FOR PIERS OF VIADUCT
CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
RHA. EXC. 905.78 m²
SPECIES AREA (sq.m)
10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
EXISTING TREE (APPROXIMATE LOCATION)

23/06/20	SHRUB PLANTING PLAN	KW	CL	CL
REV.	DATE	DESCRIPTION	DRAWN	PRE. APP.

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
SHRUB PLANTING PLAN (PORTION A)

DRAWING REFERENCE
SCALE 1:500 (A1)
1:1000 (A3)

DRAWN	PREPARED	APPROVED
KW	CL	CL

SKETCH NO. SK0567

NOTES:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:
 - - - - - SITE BOUNDARY
 - - - - - EXISTING EXPRESSWAY BOUNDARY
 - - - - - REVISED EXPRESSWAY BOUNDARY
 - - - - - MTRC BOUNDARY FENCE
 --- ENGINEERING LAYOUT-VIADUCT
 (D19) PIER MARK
 Y Y Y FILL SLOPE
 MAX 70° ROCK CUT SLOPE
 MAX 50° SOILCUT SLOPE
 + + + SOIL NAIL
 GRASS
 SHRUB
 GROUND COVER
 HYDROSEEDING, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 SHRUB, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 GROUND COVER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 CLIMBER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 AREA UNDER CONTRACT NO. DC/2016/01
 CLIMBERS FOR PIERS OF VIADUCT
 CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
 RHA.EXC. 905.78 m²
 SPECIES AREA(sq.m)
 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
 EXISTING TREE (APPROXIMATE LOCATION)

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	SHRUB PLANTING PLAN	KW	CL	CL

CLIENT

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

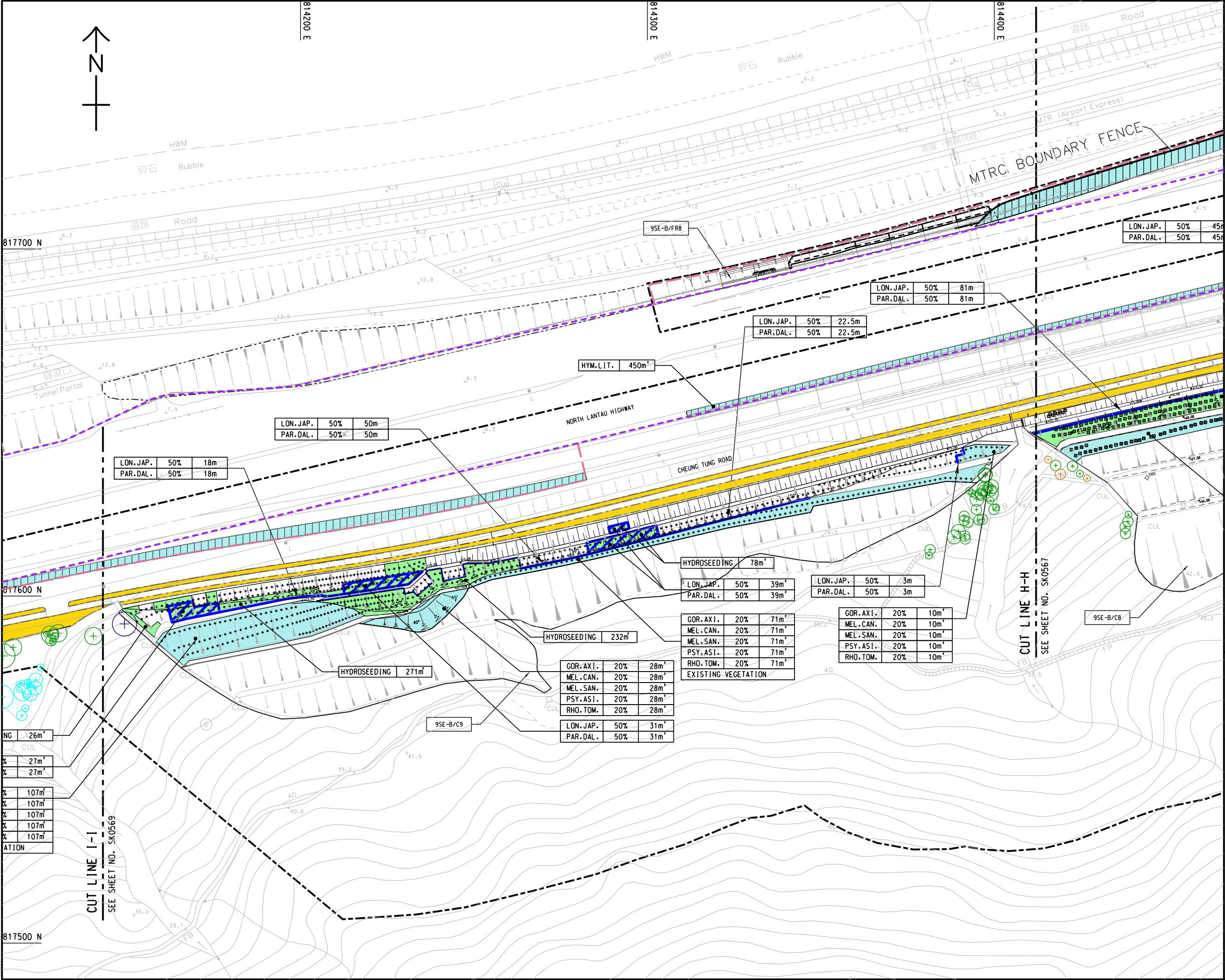
CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

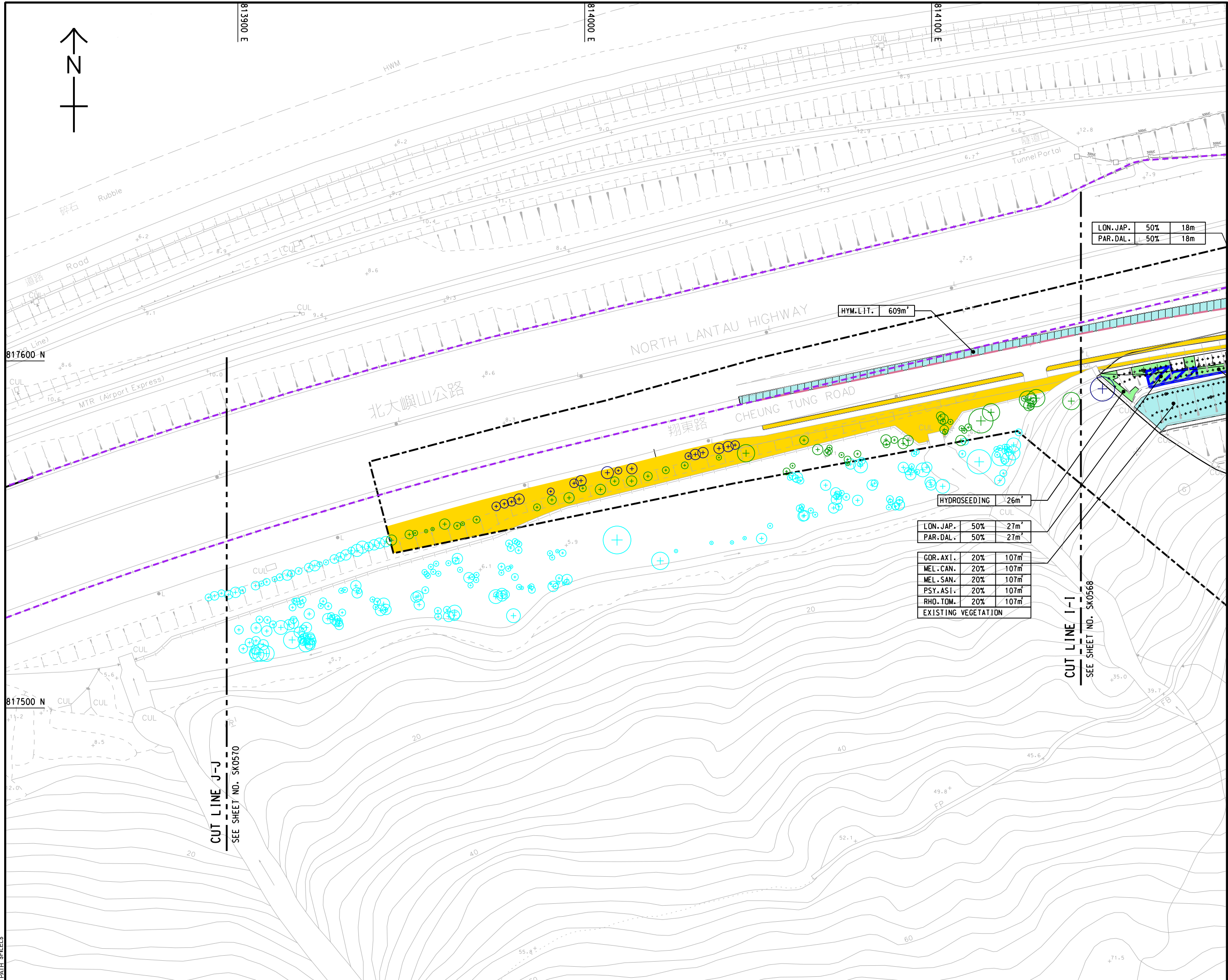
TITLE
SHRUB PLANTING PLAN (PORTION A)

SHEET 9 OF 12

DRAWING REFERENCE		SCALE
		1:500 (A1) 1:1000 (A3)
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0568		



Plot File by: kashinawong 13/08/2020
 PATH: SPL1E1.S



NOTES:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:

- SITE BOUNDARY
- EXISTING EXPRESSWAY BOUNDARY
- REVISED EXPRESSWAY BOUNDARY
- MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- (D19) PIER MARK
- YYY FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOILCUT SLOPE
- +++ SOIL NAIL
- GRASS
- SHRUB
- GROUND COVER
- HYDROSEEDING, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- SHRUB, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- GROUND COVER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- CLIMBER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- AREA UNDER CONTRACT NO. DC/2016/01
- CLIMBERS FOR PIERS OF VIADUCT
- CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
- RHA-EXC. 905.78 m²
- SPECIES AREA (sq.m)
- 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
- EXISTING TREE (APPROXIMATE LOCATION)

LON. JAP.	50%	18m
PAR. DAL.	50%	18m

HYM. LIT. 609m²

HYDROSEEDING 26m²

LON. JAP.	50%	27m ²
PAR. DAL.	50%	27m ²

GOR. AXI.	20%	107m ²
MEL. CAN.	20%	107m ²
MEL. SAN.	20%	107m ²
PSY. ASI.	20%	107m ²
RHO. TOM.	20%	107m ²
EXISTING VEGETATION		

CUT LINE J-J
 SEE SHEET NO. SK0570

CUT LINE I-I
 SEE SHEET NO. SK0568

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	SHRUB PLANTING PLAN	KW	CL	CL

CLIENT

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

AECOM

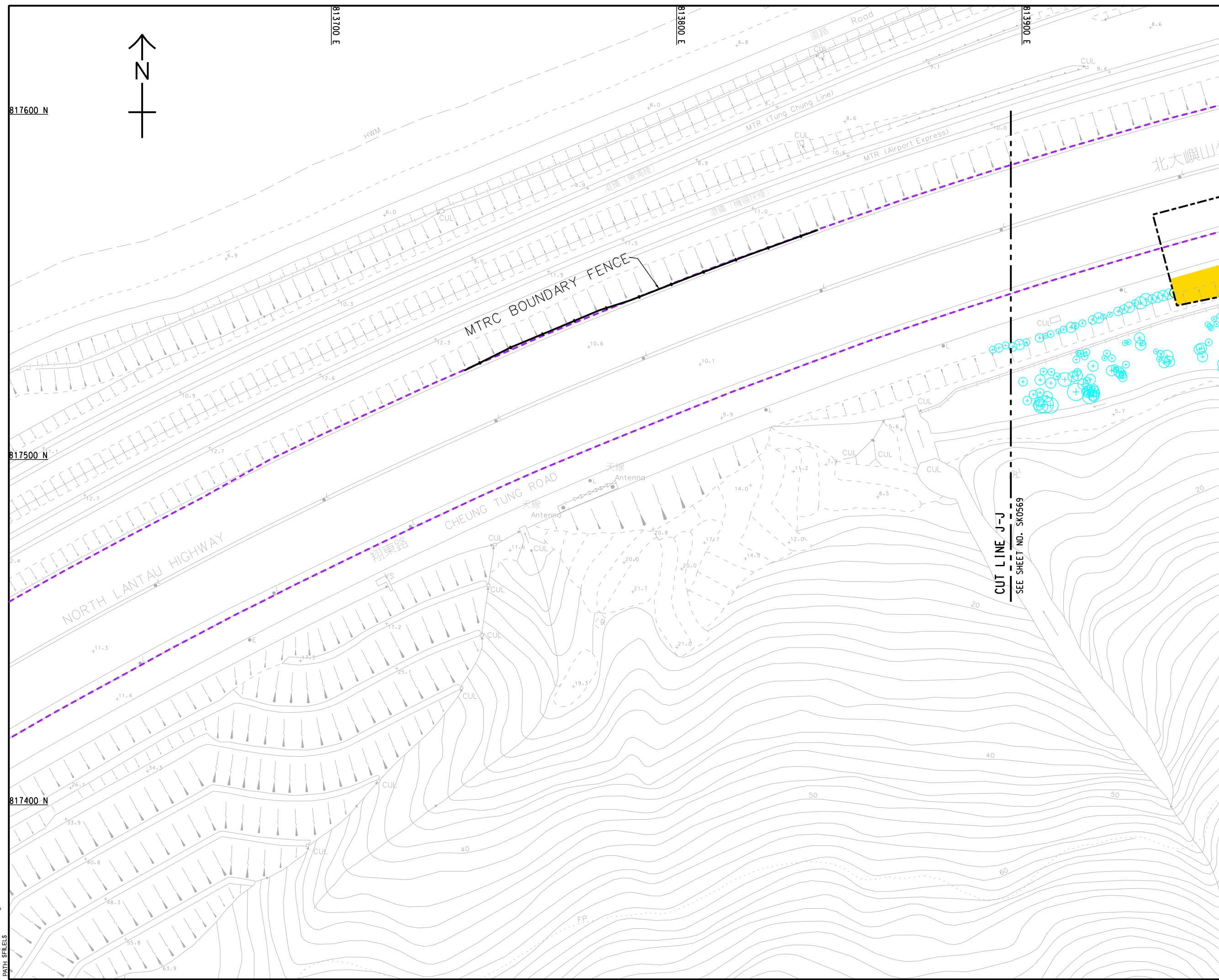
PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
SHRUB PLANTING PLAN (PORTION A)

DRAWING REFERENCE		SCALE	
-		1:500 (A1) 1:1000 (A3)	
DRAWN	PREPARED	APPROVED	
KW	CL	CL	
SKETCH NO.	REV.	-	
SK0569	-	-	



NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:

- SITE BOUNDARY
- EXISTING EXPRESSWAY BOUNDARY
- REVISED EXPRESSWAY BOUNDARY
- MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- (D19) PIER MARK
- YYY FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOILCUT SLOPE
- +++ SOIL NAIL
- GRASS
- SHRUB
- GROUNDCOVER
- HYDROSEEDING, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- SHRUB, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- GROUNDCOVER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- CLIMBER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- AREA UNDER CONTRACT NO. DC/2016/01
- CLIMBERS FOR PIERS OF VIADUCT
- CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
- RHA-EXC. 905.78 m²
- SPECIES AREA(sq.m)
- 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
- EXISTING TREE (APPROXIMATE LOCATION)

REV.	DATE	DESCRIPTION	DRAWN	PREP.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

CLIENT

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



PROJECT
TUEN MUN - CHEK LAP KOK LINK

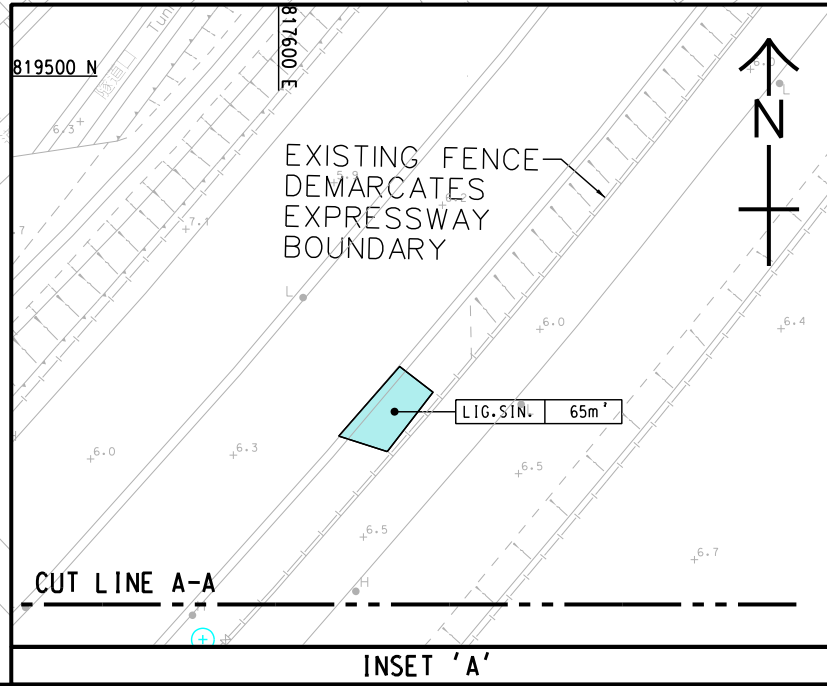
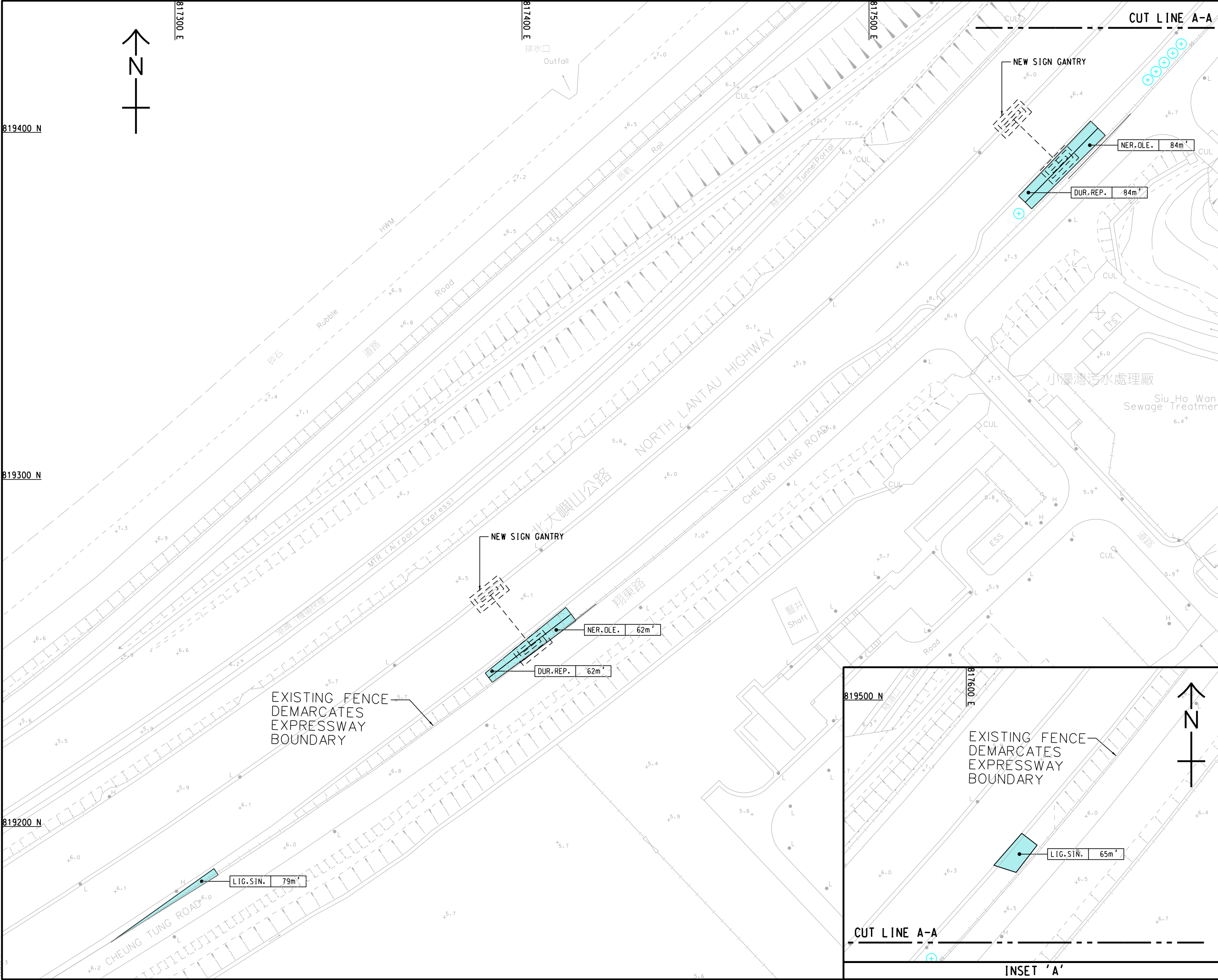
CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
SHRUB PLANTING PLAN (PORTION A)

SHEET 11 OF 12

DRAWING REFERENCE		SCALE
-		1:500 (A1) 1:1000 (A3)
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0570	-	



NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

LEGEND:

- SITE BOUNDARY
- EXISTING EXPRESSWAY BOUNDARY
- REVISED EXPRESSWAY BOUNDARY
- MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- PIER MARK
- FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOILCUT SLOPE
- SOIL NAIL
- GRASS
- SHRUB
- GROUNDCOVER
- HYDROSEEDING, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- SHRUB, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- GROUNDCOVER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- CLIMBER, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- AREA UNDER CONTRACT NO. DC/2016/01
- CLIMBERS FOR PIERS OF VIADUCT
- CLIMBER MIX AT SOIL/ROCK INTERFACE AND AT SOILCUT SLOPES
- SPECIES AREA (sq.m)
- EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
- EXISTING TREE (APPROXIMATE LOCATION)

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	SHRUB PLANTING PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

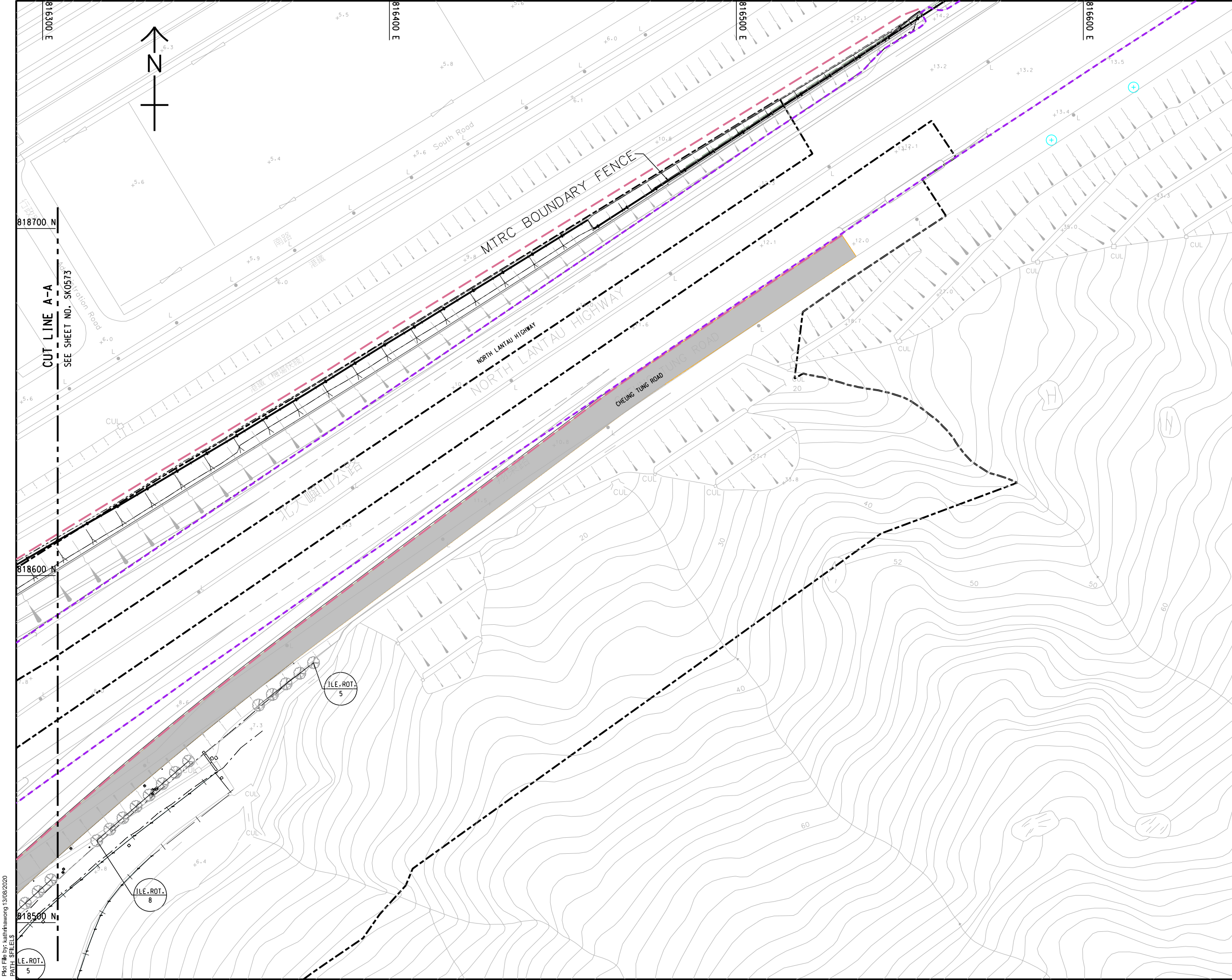
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
SHRUB PLANTING PLAN (PORTION A)

SHEET 12 OF 12
 DRAWING REFERENCE
 SCALE 1:500 (A1)
 1:1000 (A3)

DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0571	-	

Plot File by: kahtinawong 13/08/2020
 PATH: SFILES



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585

- LEGEND:**
- SITE BOUNDARY
 - EXISTING EXPRESSWAY BOUNDARY
 - EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE

- ENGINEERING LAYOUT-VIADUCT
- ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
- D19 PIER MARK
- Y Y Y FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOIL CUT SLOPE
- +++ SOIL NAIL
- AREA UNDER CONTRACT NO. DC/2016/01
- TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- TREE
- TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
- TRANSPLANTED TREE
- EXISTING TREE (APPROXIMATE LOCATION)
- 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

CLIENT
 路政署
HIGHWAYS DEPARTMENT
 主要工程管理处(專責事務)
 Major Works Project Management Office
 (Special Duties)

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWS2 2/2020(HY)

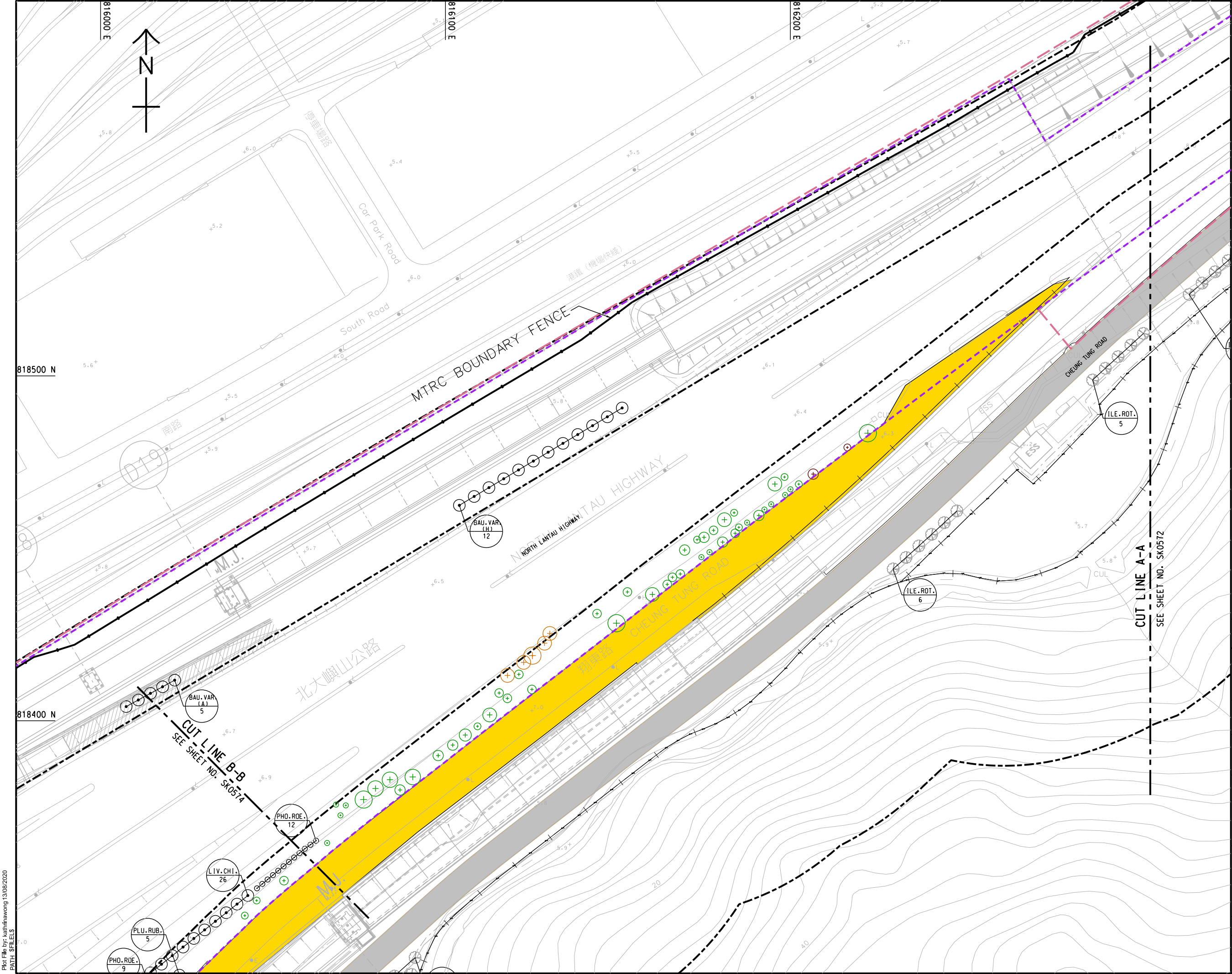
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 1 OF 12

DRAWING REFERENCE	SCALE
-	1:500 (A1) 1:1000 (A3)
DRAWN	APPROVED
KW	CL
SKETCH NO.	REV.
SK0572	-

Plot File by: kaahinawong 13/08/2020
 PATH: SP1E15



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585

- LEGEND:**
- SITE BOUNDARY
 - EXISTING EXPRESSWAY BOUNDARY
 - EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE
 - ENGINEERING LAYOUT-VIADUCT
 - ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
 - PIER MARK
 - FILL SLOPE
 - MAX 70° ROCK CUT SLOPE
 - MAX 50° SOILCUT SLOPE
 - SOIL NAIL
 - AREA UNDER CONTRACT NO. DC/2016/01
 - TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 - TREE
 - TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
 - TRANSPLANTED TREE
 - EXISTING TREE (APPROXIMATE LOCATION)
 - EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

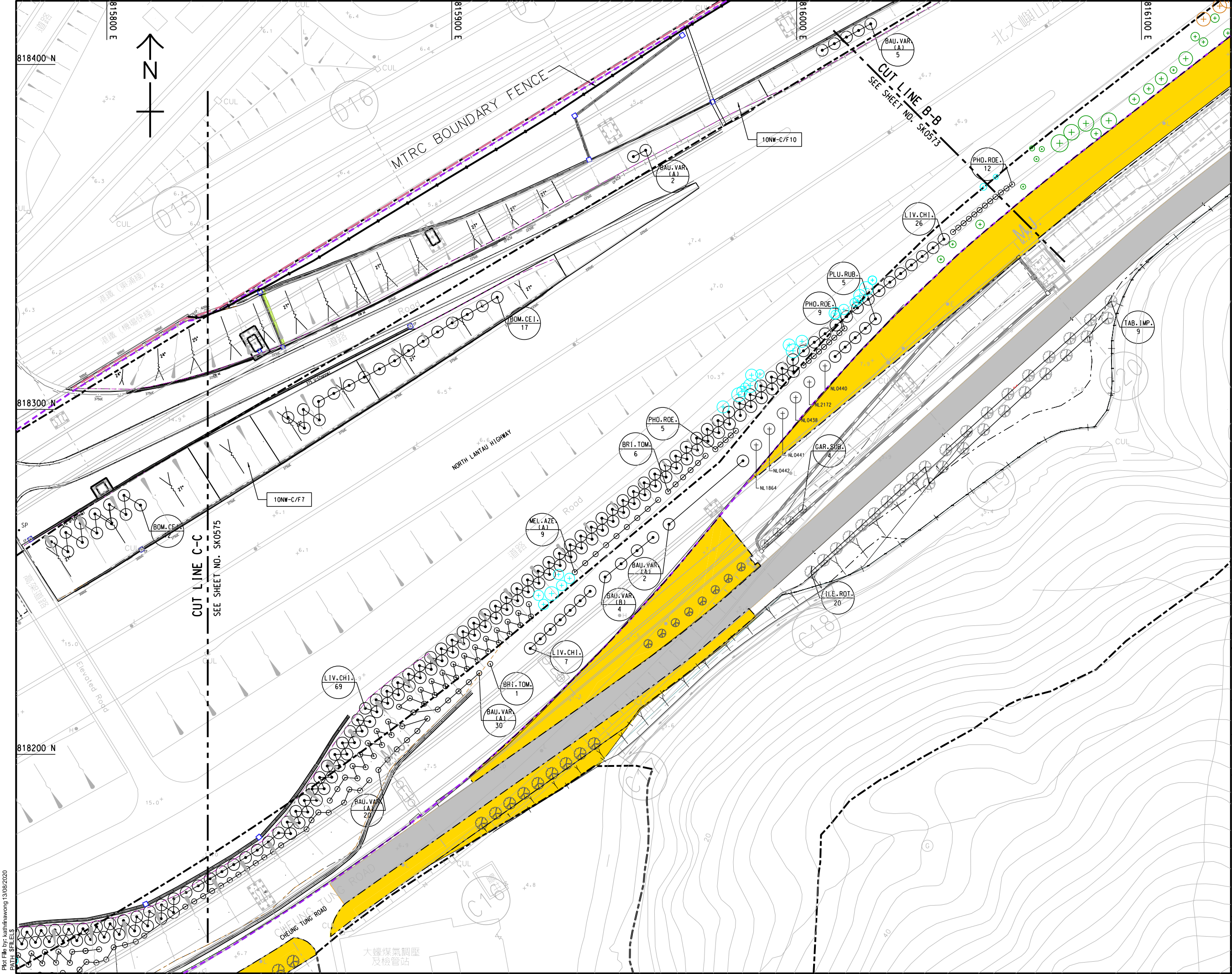
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 2 OF 12

DRAWING REFERENCE	SCALE
-	1:500 (A1) 1:1000 (A3)
DRAWN	APPROVED
KW	CL
SKETCH NO.	REV.
SK0573	-

Plot File by: kashinawong 13/08/2020
 PATH: SP1E15



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585

- LEGEND:**
- SITE BOUNDARY
 - EXISTING EXPRESSWAY BOUNDARY
 - EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE
 - ENGINEERING LAYOUT-VIADUCT
 - ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
 - D19 PIER MARK
 - YYY FILL SLOPE
 - MAX 70° ROCK CUT SLOPE
 - MAX 50° SOIL CUT SLOPE
 - +++ SOIL NAIL
 - AREA UNDER CONTRACT NO. DC/2016/01
 - TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 - CODE NOS.
 - TREE
 - CODE NOS.
 - TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
 - NL0482
 - TRANSPLANTED TREE
 - NL0482
 - EXISTING TREE (APPROXIMATE LOCATION)
 - 10NW - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	23/06/20	DATE	TREE PLANTING PLAN	DESCRIPTION	KW	CL	CL

CLIENT
路政署 HIGHWAYS DEPARTMENT
 主要工程管理处 (專責事務)
 Major Works Project Management Office (Special Duties)

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

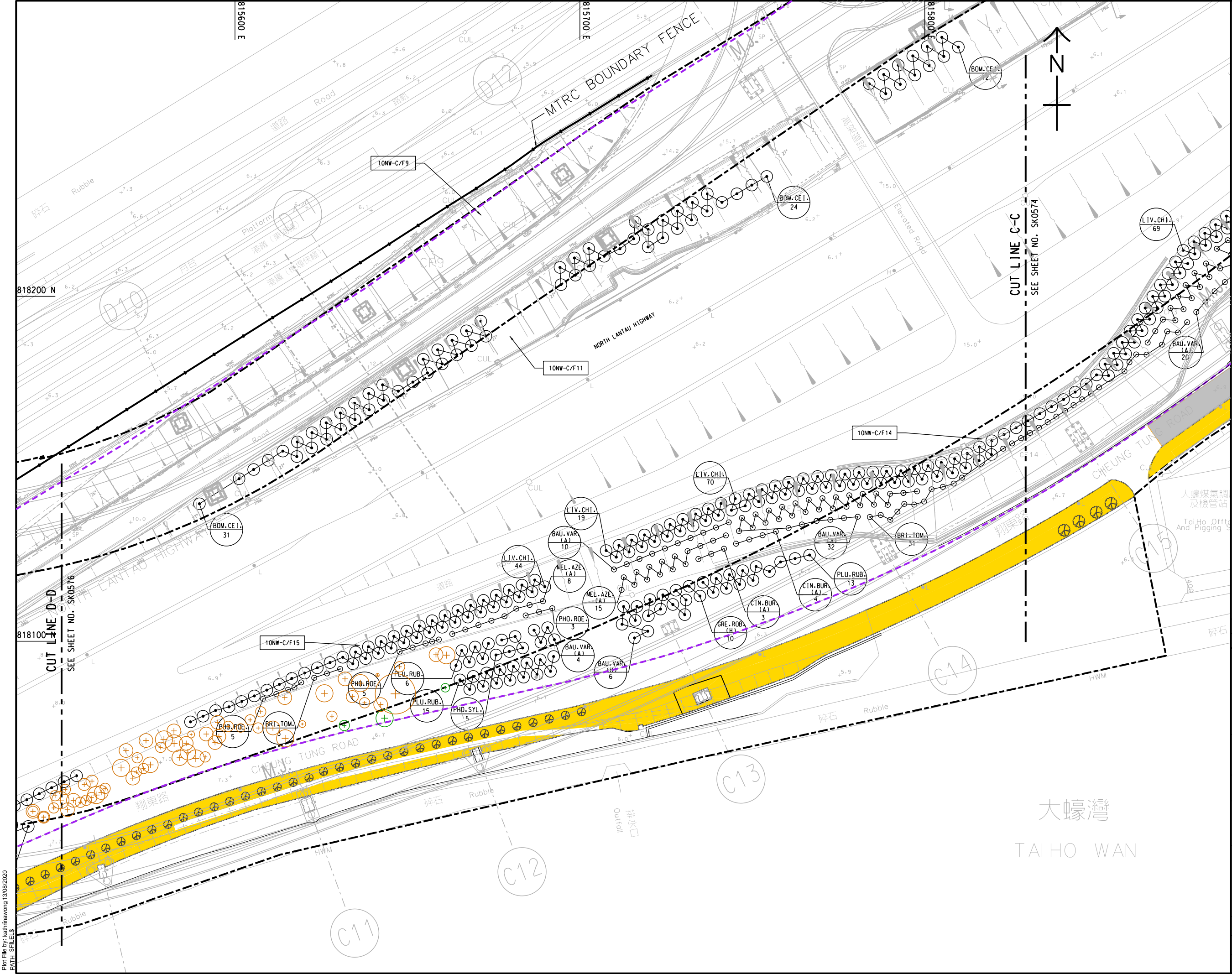
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 3 OF 12

DRAWING REFERENCE	SCALE	1:500 (A1)
		1:1000 (A3)
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0574	-	

Plot File by: kashinawong 13/08/2020
 PATH: SPFILES



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585

- LEGEND:**
- - - SITE BOUNDARY
 - - - EXISTING EXPRESSWAY BOUNDARY
 - - - EXPRESSWAY BOUNDARY
 - - - MTRC BOUNDARY FENCE

- ENGINEERING LAYOUT-VIADUCT
- ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
- PIER MARK
- FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOIL CUT SLOPE
- SOIL NAIL
- AREA UNDER CONTRACT NO. DC/2016/01
- TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- TREE
- TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
- TRANSPLANTED TREE
- EXISTING TREE (APPROXIMATE LOCATION)
- EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWS2 2/2020(HY)

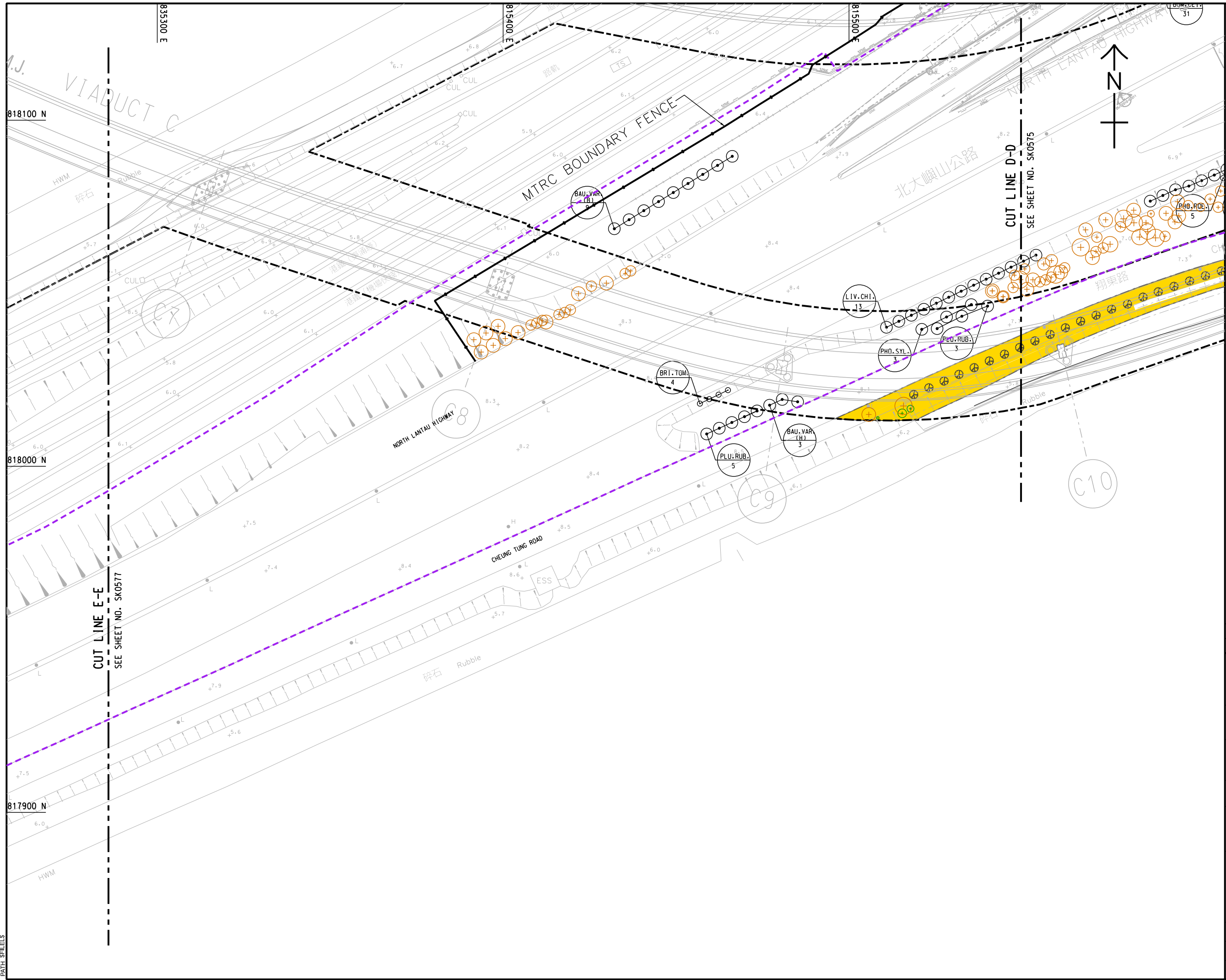
CONTRACT TITLE
 ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 4 OF 12

DRAWING REFERENCE	SCALE
-	1:500 (A1) 1:1000 (A3)
DRAWN	APPROVED
KW	CL
SKETCH NO.	REV.
SK0575	-

Photo File by: kashinawong 13/08/2020
 PATH SPILLS



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585.

- LEGEND:**
- SITE BOUNDARY
 - EXISTING EXPRESSWAY BOUNDARY
 - EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE

- ENGINEERING LAYOUT-VIADUCT
- ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
- PIER MARK
- FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOIL CUT SLOPE
- SOIL NAIL
- AREA UNDER CONTRACT NO. DC/2016/01
- TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- TREE
- TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
- TRANSPLANTED TREE
- EXISTING TREE (APPROXIMATE LOCATION)
- EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

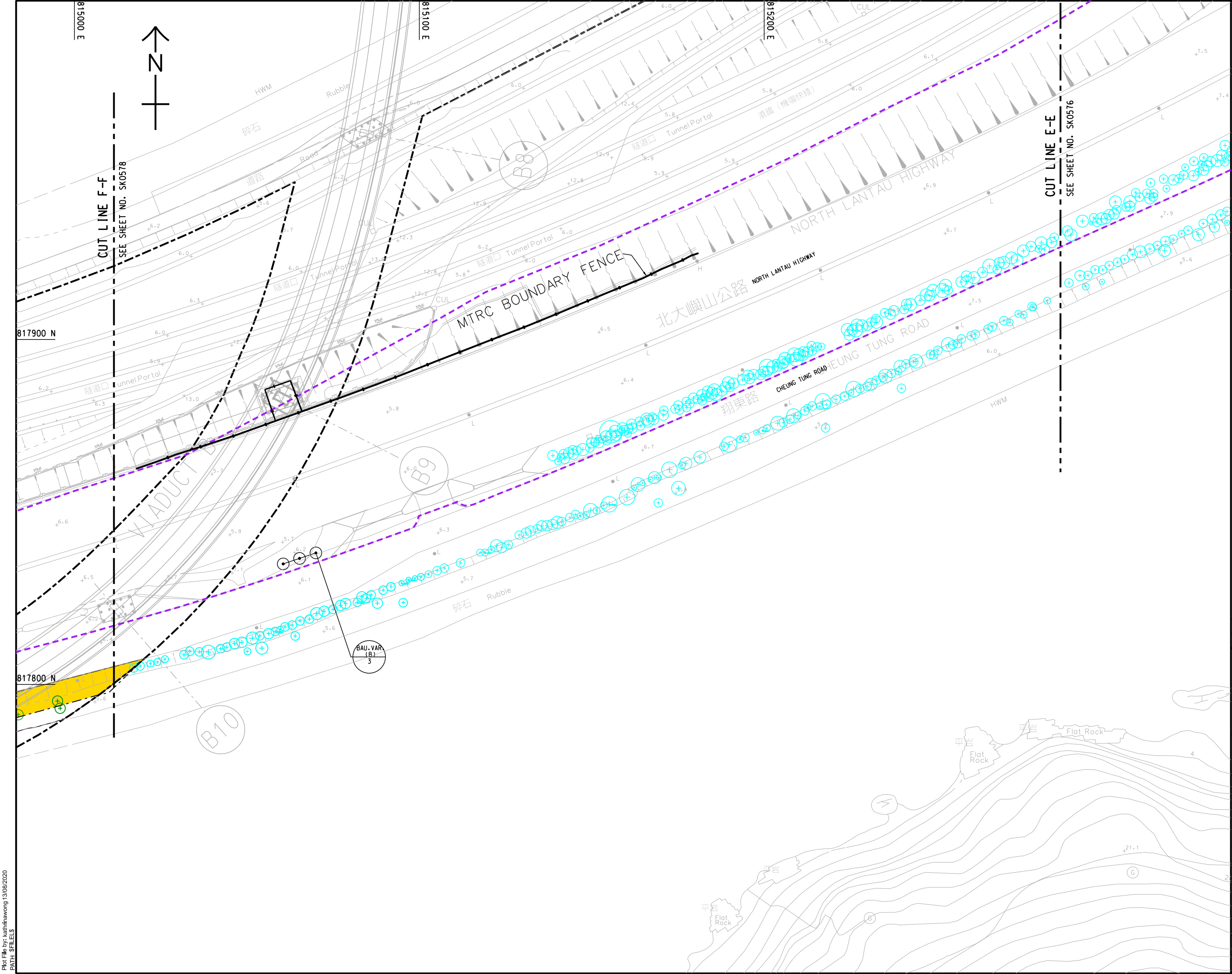
CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 5 OF 12

DRAWING REFERENCE	SCALE
-	1:500 (A1) 1:1000 (A3)
DRAWN	APPROVED
KW	CL
SKETCH NO.	REV.
SK0576	-



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585.

LEGEND:

- SITE BOUNDARY
- EXISTING EXPRESSWAY BOUNDARY
- EXPRESSWAY BOUNDARY
- MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
- PIER MARK
- PIER MARK
- FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOIL CUT SLOPE
- SOIL NAIL
- AREA UNDER CONTRACT NO. DC/2016/01
- TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- TREE
- TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
- TRANSPLANTED TREE
- EXISTING TREE (APPROXIMATE LOCATION)
- EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

CLIENT

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HIGHWAYS DEPARTMENT
 主要工程管理处(专责事务)
 Major Works Project Management Office
 (Special Duties)



PROJECT
TUEN MUN - CHEK LAP KOK LINK

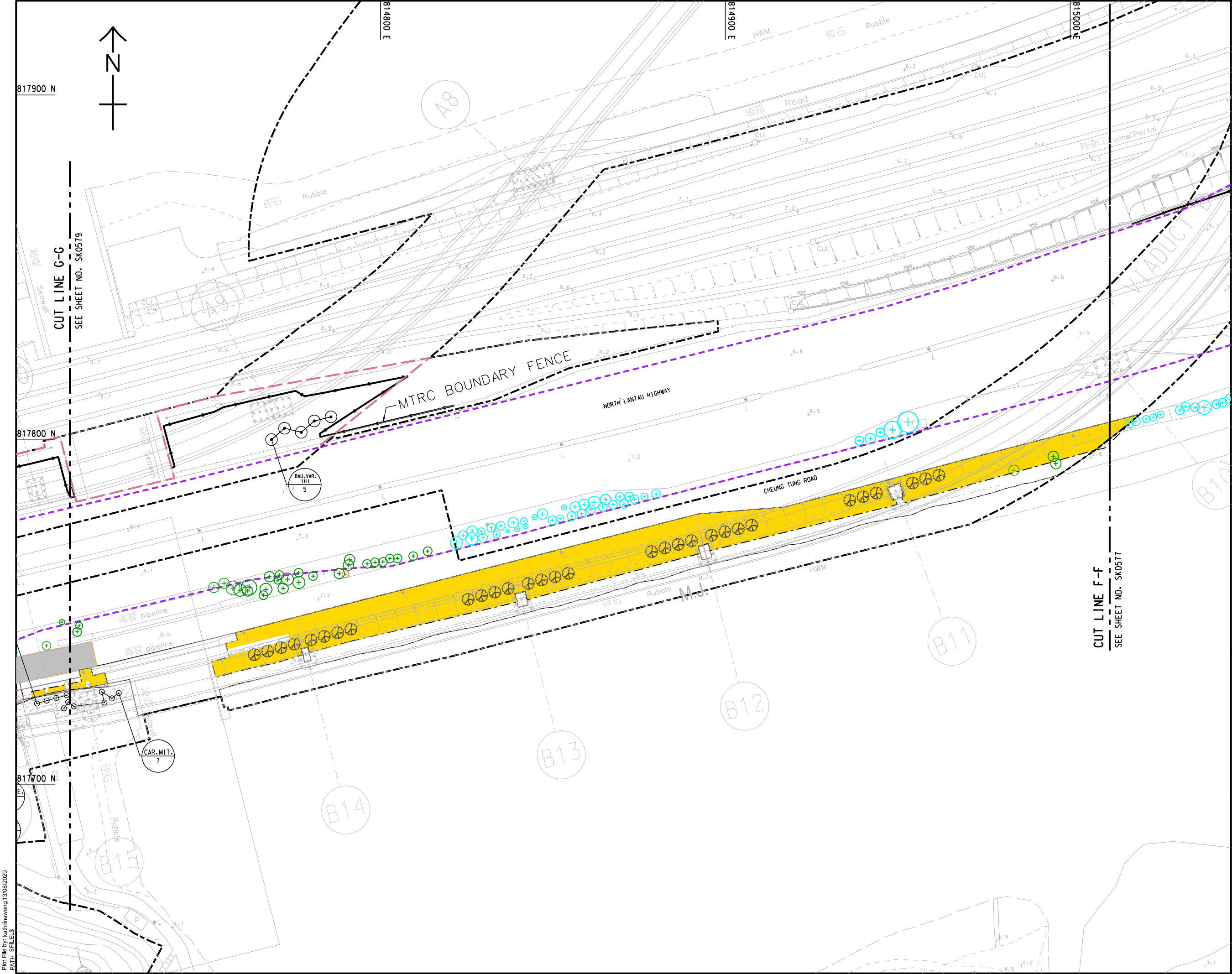
CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 6 OF 12

DRAWING REFERENCE	SCALE
-	1:500 (A1) 1:1000 (A3)
DRAWN	APPROVED
KW	CL
SKETCH NO.	REV.
SK0577	-



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585.

LEGEND:
 - - - SITE BOUNDARY
 - - - EXISTING EXPRESSWAY BOUNDARY
 - - - EXPRESSWAY BOUNDARY
 - - - MTRC BOUNDARY FENCE
 --- ENGINEERING LAYOUT-VIADUCT
 --- ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
 (D19) PIER MARK
 Y Y Y FILL SLOPE
 MAX 70° ROCK CUT SLOPE
 MAX 50° SOIL CUT SLOPE
 +++ SOIL NAIL
 AREA UNDER CONTRACT NO. DC/2016/01
 TREE WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 CODE NOS.
 TREE
 CODE NOS.
 TRANSPLANTED TREE WITHIN EXPRESSWAY BOUNDARY
 NL0482
 TRANSPLANTED TREE
 NL0482
 EXISTING TREE (APPROXIMATE LOCATION)
 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
 10NW - C/F11

-	23/06/20	TREE PLANTING PLAN	KW	CL	CL
REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

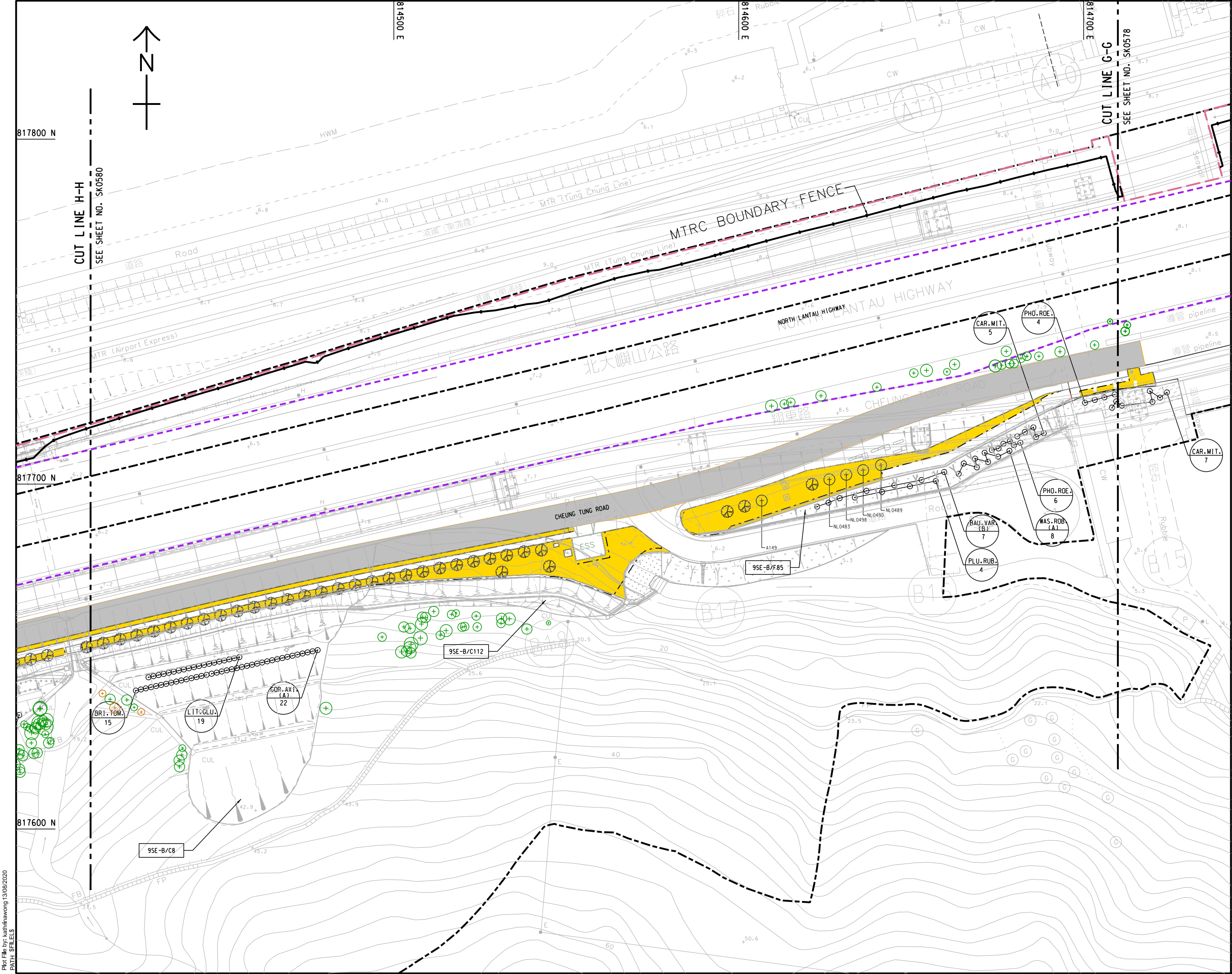
CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 7 OF 12

DRAWING REFERENCE	SCALE	1:500 (A1)
		1:1000 (A3)
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0578	-	



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585.

- LEGEND:**
- SITE BOUNDARY
 - EXISTING EXPRESSWAY BOUNDARY
 - EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE
 - ENGINEERING LAYOUT-VIADUCT
 - ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
 - D19 PIER MARK
 - Y Y Y FILL SLOPE
 - MAX 70° ROCK CUT SLOPE
 - MAX 50° SOIL CUT SLOPE
 - +++ SOIL NAIL
 - AREA UNDER CONTRACT NO. DC/2016/01
 - TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 - CODE NOS. TREE
 - CODE NOS. TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
 - NL0482 TRANSPLANTED TREE
 - NL0482
 - EXISTING TREE (APPROXIMATE LOCATION)
 - 10NW - C/F11 EXISTING SIMILAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

CLIENT
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HIGHWAYS DEPARTMENT
 主要工程管理處(專責事務)
 Major Works Project Management Office
 (Special Duties)

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 8 OF 12

DRAWING REFERENCE	SCALE	
-	1:500 (A1) 1:1000 (A3)	
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0579	-	

NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585.

LEGEND:

- SITE BOUNDARY
- EXISTING EXPRESSWAY BOUNDARY
- EXPRESSWAY BOUNDARY
- MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
- D19 PIER MARK
- Y Y Y FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOIL CUT SLOPE
- +++ SOIL NAIL
- AREA UNDER CONTRACT NO. DC/2016/01
- TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- CODE NOS.
- TREE
- CODE NOS.
- TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
- NL0482
- TRANSPLANTED TREE
- NL0482
- EXISTING TREE (APPROXIMATE LOCATION)
- EXISTING SIMILAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

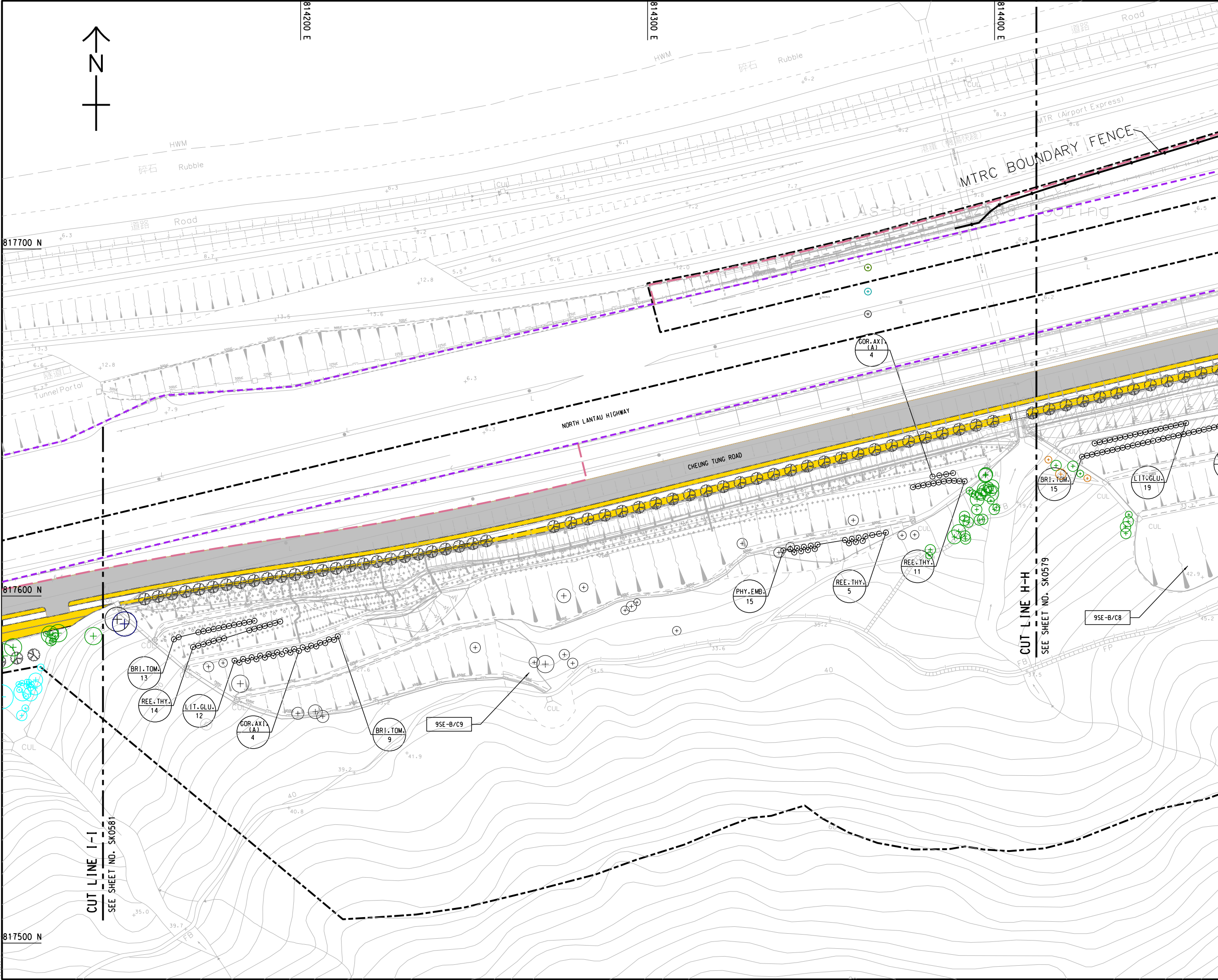
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HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

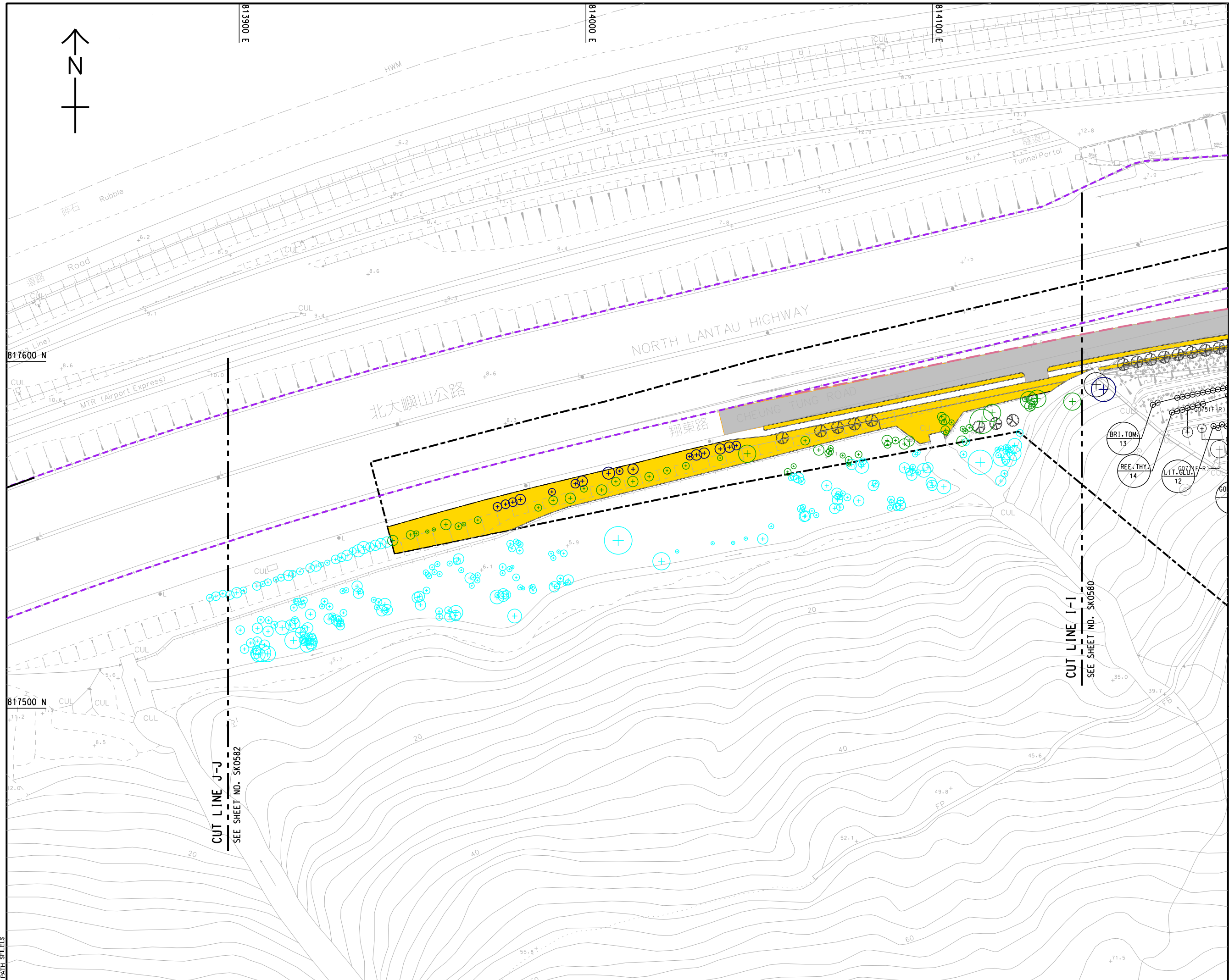
TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 9 OF 12
 DRAWING REFERENCE SCALE 1:500 (A1)
 1:1000 (A3)

DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0580	-	



Plot File by: kashinawong 13/08/2020
 PATH: SP11E1.S



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585.

LEGEND:

- SITE BOUNDARY
- EXISTING EXPRESSWAY BOUNDARY
- EXPRESSWAY BOUNDARY
- MTRC BOUNDARY FENCE
- ENGINEERING LAYOUT-VIADUCT
- ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
- D19 PIER MARK
- Y Y Y FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOIL CUT SLOPE
- +++ SOIL NAIL
- AREA UNDER CONTRACT NO. DC/2016/01
- TREE WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- CODE NOS. TREE
- TRANSPLANTED TREE WITHIN EXPRESSWAY BOUNDARY
- TRANSPLANTED TREE
- EXISTING TREE (APPROXIMATE LOCATION)
- EXISTING SIMILAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

-	23/06/20	TREE PLANTING PLAN	KW	CL	CL
REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.

CLIENT
 路政署
HIGHWAYS DEPARTMENT
 主要工程管理處(專責事務)
 Major Works Project Management Office
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AECOM

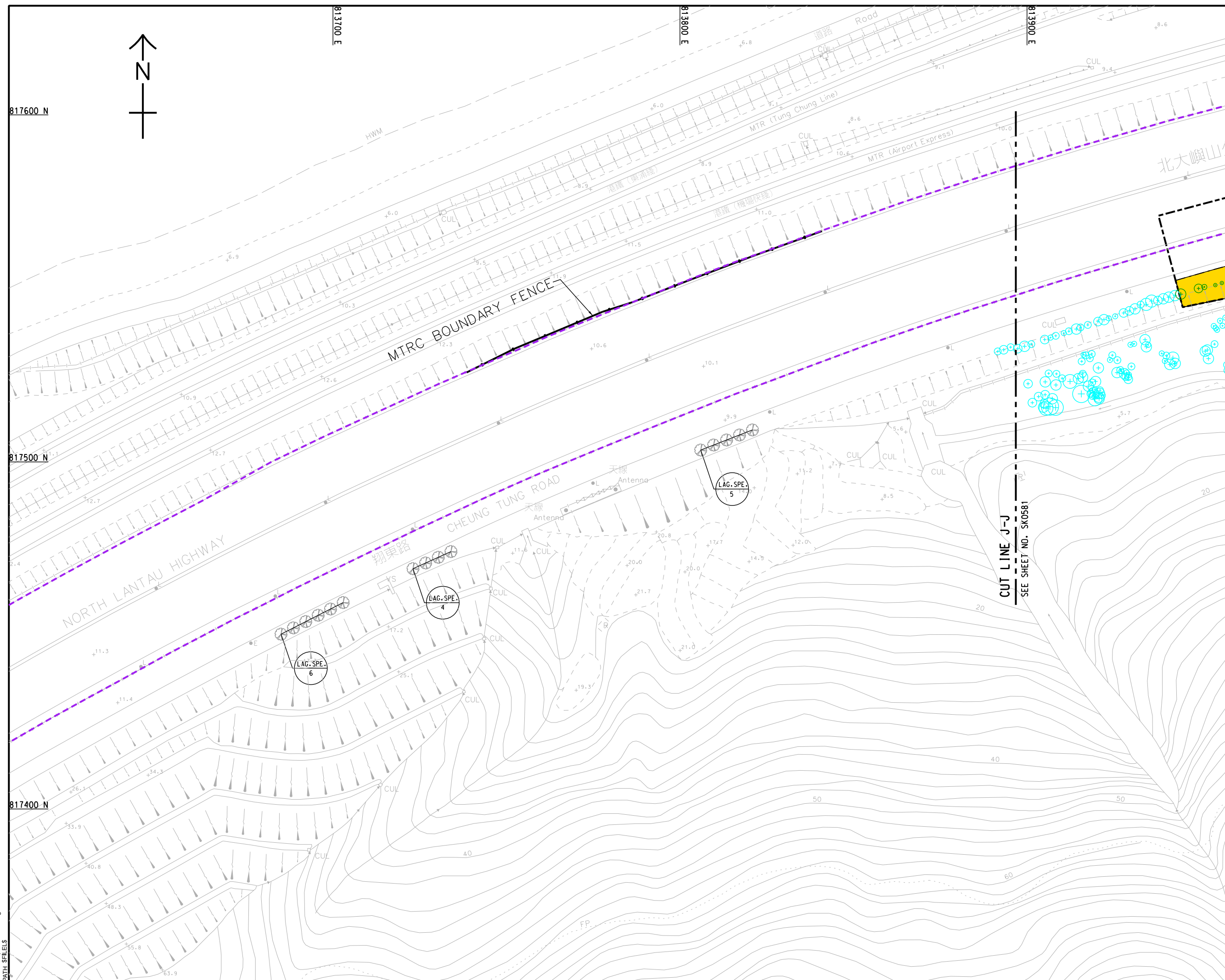
PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

DRAWING REFERENCE		SCALE	SHEET 10 OF 12	
-		1:500 (A1)	1:1000 (A3)	
DRAWN	PREPARED	APPROVED		
KW	CL	CL		
SKETCH NO.	SK0581		REV.	-



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585.

- LEGEND:**
- SITE BOUNDARY
 - EXISTING EXPRESSWAY BOUNDARY
 - EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE
 - ENGINEERING LAYOUT-VIADUCT
 - ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
 - PIER MARK
 - FILL SLOPE
 - MAX 70° ROCK CUT SLOPE
 - MAX 50° SOILCUT SLOPE
 - SOIL NAIL
 - AREA UNDER CONTRACT NO. DC/2016/01
 - TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 - TREE
 - TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
 - TRANSPLANTED TREE
 - EXISTING TREE (APPROXIMATE LOCATION)
 - EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

CLIENT

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



PROJECT
TUEN MUN - CHEK LAP KOK LINK

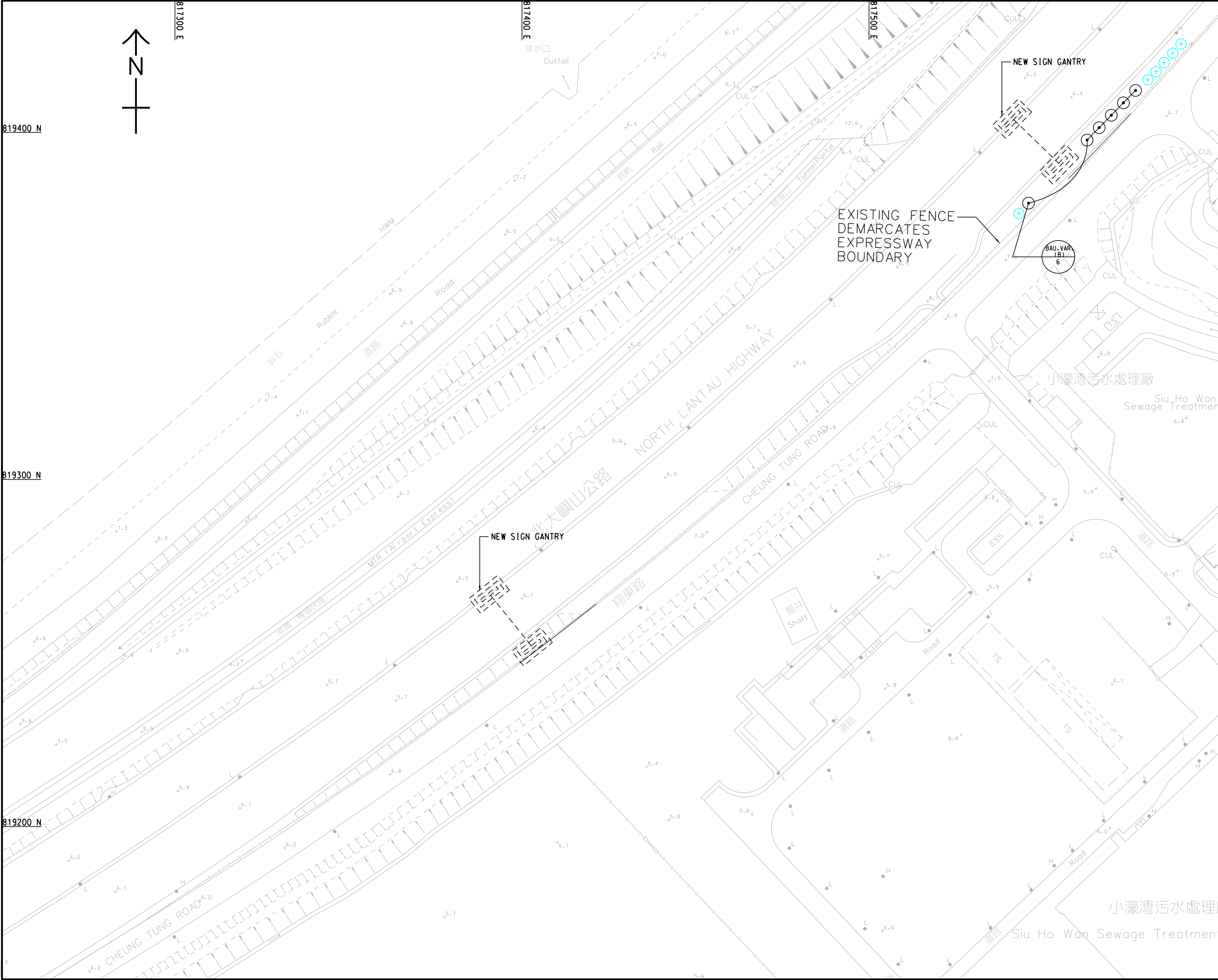
CONTRACT NO.
HMWS2 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 11 OF 12

DRAWING REFERENCE		SCALE
-		1:500 (A1) 1:1000 (A3)
DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0582	-	



NOTES:
 1. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. SK0559 TO SK0585.

- LEGEND:**
- SITE BOUNDARY
 - EXISTING EXPRESSWAY BOUNDARY
 - EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE

- ENGINEERING LAYOUT-VIADUCT
- ENGINEERING LAYOUT-REALIGNMENT OF CHEUNG TUNG ROAD
- PIER MARK
- FILL SLOPE
- MAX 70° ROCK CUT SLOPE
- MAX 50° SOIL CUT SLOPE
- SOIL NAIL
- AREA UNDER CONTRACT NO. DC/2016/01
- TREE WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- TREE
- TRANSPLANTED TREE WITHIN EXPRESSWAY BOUNDARY
- TRANSPLANTED TREE
- EXISTING TREE (APPROXIMATE LOCATION)
- EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.
-	23/06/20	TREE PLANTING PLAN	KW	CL	CL

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

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
**ESTABLISHMENT OF LANDSCAPE
 SOFTWORKS FOR THE TUEN MUN
 - CHEK LAP KOK LINK PROJECT**

TITLE
**TREE PLANTING PLAN
 (PORTION A)**

DRAWING REFERENCE
 SCALE 1:500 (A1)
 1:1000 (A3)

DRAWN	PREPARED	APPROVED
KW	CL	CL
SKETCH NO.	REV.	
SK0583	-	

Plot File by: kahtinawong 13/08/2020
 PATH: SFILES

819400 N

819300 N

819200 N

817300 E

817400 E

817500 E

PLANTING SCHEDULE FOR RESUMED AREA AT VIADUCT A (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(H)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	5000	-	5	PLANT IN STAGGERED PATTERN	
SHRUB PLANTING								
FIC.MIC.'GOL'	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	300(H) x 300(S)	500	4.6	700	PLANT EACH SPECIES IN GROUPS OF 50-80 IN RANDOM. PLANT ALL SPECIES IN STAGGERED PATTERN.	
GAR.JAS.	<i>Gardenia jasminoides</i>	白蟻	300(H) x 300(S)	500	4.6	350		
NER.OLE.	<i>Nerium oleander</i>	夾竹桃	300(H) x 300(S)	500	4.6	600		
PIT.TOB.	<i>Pittosporum tobira</i>	海桐花	300(H) x 300(S)	500	4.6	350		
RHO.TOM.	<i>Rhodomyrtus tomentosa</i>	桃金娘	300(H) x 300(S)	500	4.6	890		
SCH.ARB.	<i>Schefflera arboricola</i>	八葉	300(H) x 300(S)	500	4.6	1430		
GROUND COVER PLANTING								
HYM.LIT.	<i>Hymenocallis littoralis</i>	蛛網蘭	300(H) x 300(S)	300	12.54	8800	PLANT ALL SPECIES IN STAGGERED PATTERN.	
CLIMBER PLANTING (UNDER STRUCTURE)								
EPI.AUR.	<i>Epipremnum aureum</i>	綠蘿	MIN. 4 SHOOTS PER PLANT, 300mm LONG	500	4.6	230	-	
PLANTING SCHEDULE FOR NORTH LANTAU HIGHWAY (TUNG CHUNG BOUND) VIADUCT B (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(B)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	STANDARD TREE	5000	-	3	PLANT IN STAGGERED PATTERN	
SHRUB PLANTING								
ALL.CAT.	<i>Allamanda cathartica</i>	軟枝黃蟬	300(H) x 300(S)	350	9.57	770	PLANT ALL SPECIES IN STAGGERED PATTERN.	
FIC.MIC.'GOL'	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	300(H) x 300(S)	350	9.57	1310		
SCH.ARB.	<i>Schefflera arboricola</i>	八葉	300(H) x 300(S)	350	9.57	2000		
GROUND COVER PLANTING								
HYM.LIT.	<i>Hymenocallis littoralis</i>	蛛網蘭	300(H) x 300(S)	300	12.54	10700	PLANT ALL SPECIES IN STAGGERED PATTERN.	
CLIMBER FOR PIERS OF VIADUCTS - PIER B10 (MONOLITHIC)								
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	10	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
PAR.DAL.	<i>Parthenocissus dalzielli</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	10	ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
PLANTING SCHEDULE FOR NORTH LANTAU HIGHWAY (TUNG CHUNG BOUND) VIADUCT C (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(A)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	LIGHT STANDARD TREE	4000	-	6	PLANT IN STAGGERED PATTERN	
BAU.VAR.(B)/(H)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	4000 - 5000	-	13		
GRE.ROB.(H)	<i>Grevillea robusta</i>	銀樺	HEAVY STANDARD TREE	4000	-	10		
PLU.RUB.	<i>Plumeria rubra</i>	雞蛋花	2000(H) x 2000(S) - 2500(H) x 2500(S)	4000	-	47		
PALM PLANTING								
LIV.CHI.	<i>Livistona chinensis</i>	蒲葵	2500(H) x 1500(S)	4000	-	7	TRUNK HEIGHT. PLANT IN STAGGERED PATTERN.	
PHO.SYL.	<i>Phoenix sylvestris</i>	銀海欖	2000(H) x 1500(S)	4000	-	8		
SHRUB PLANTING								
FIC.MIC.'GOL'	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	300(H) x 300(S)	350	9.57	10100	PLANT ALL SPECIES IN STAGGERED PATTERN.	
GOR.AXI.	<i>Gordonia axillaris</i>	大頭茶	300(H) x 300(S)	350	9.57	5600		
MEL.CAN.	<i>Melastoma candidum</i>	野牡丹	300(H) x 300(S)	350	9.57	8750		
MEL.SAN.	<i>Melastoma sanguineum</i>	毛萼	300(H) x 300(S)	350	9.57	8750		
RHO.TOM.	<i>Rhodomyrtus tomentosa</i>	桃金娘	300(H) x 300(S)	350	9.57	8750		
SCH.ARB.	<i>Schefflera arboricola</i>	八葉	300(H) x 300(S)	350	9.57	8760		
GROUND COVER PLANTING								
ADA.DUR.	<i>Arachis duranensis</i>	金花生	100(H) x 200(S)	250	18.4	625		PLANT ALL SPECIES IN STAGGERED PATTERN.
HYM.LIT.	<i>Hymenocallis littoralis</i>	蛛網蘭	300(H) x 300(S)	300	12.54	21000		
TRA.SPA.	<i>Tradescantia spathacea</i>	蚌花	200(H) x 300(S)	250	18.4	6300		
CLIMBER PLANTING (UNDER STRUCTURE)								
EPI.AUR.	<i>Epipremnum aureum</i>	綠蘿	MIN. 4 SHOOTS PER PLANT, 300mm LONG	500	4.6	3405	PLANT EACH SPECIES IN GROUPS OF 10-20 IN RANDOM. PLANT ALL SPECIES IN STAGGERED	
PAR.DAL.	<i>Parthenocissus dalzielli</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	500	4.6	5000		
CLIMBER FOR PIERS OF VIADUCTS - PIER C13, C18 (MONOLITHIC)								
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	26	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
PAR.DAL.	<i>Parthenocissus dalzielli</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	26	ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
CLIMBER FOR PIERS OF VIADUCTS - PIER C9, C14, C16, C17 (WITH BEARING)								
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	125	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER SPECIES	
HYDROSEEDING								
HYDROSEEDING	HYDROSEEDING	噴草	-	-	-	333 m ²	GRASS SEED AS CEDD GENERAL SPECIFICATION 3.26(3)	
PLANTING SCHEDULE FOR NORTH LANTAU HIGHWAY (KOWLOON BOUND) VIADUCT D, FEATURES NOS. 10NW-C/F9, 10NW-C/F10 AND 10NW-C/F52 (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(A)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	LIGHT STANDARD TREE	4000	-	7	-	
BAU.VAR.(B)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	STANDARD TREE	5000	-	9		
BAU.VAR.(H)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	5000	-	12		
SHRUB PLANTING								
ALL.CAT.	<i>Allamanda cathartica</i>	軟枝黃蟬	300(H) x 300(S)	300	12.54	2600	PLANT ALL SPECIES IN STAGGERED PATTERN.	
FIC.MIC.'GOL'	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	300(H) x 300(S)	500	4.6	14150		
GAR.JAS.	<i>Gardenia jasminoides</i>	白蟻	300(H) x 300(S)	500	4.6	3730		
NER.OLE.	<i>Nerium oleander</i>	夾竹桃	300(H) x 300(S)	500	4.6	1100		
RHO.TOM.	<i>Rhodomyrtus tomentosa</i>	桃金娘	300(H) x 300(S)	500	4.6	11130		
SCH.ARB.	<i>Schefflera arboricola</i>	八葉	300(H) x 300(S)	500	4.6	19800		
GROUND COVER PLANTING								
ADA.DUR.	<i>Arachis duranensis</i>	金花生	100(H) x 200(S)	250	18.4	11984		PLANT ALL SPECIES IN STAGGERED PATTERN.
HYM.LIT.	<i>Hymenocallis littoralis</i>	蛛網蘭	300(H) x 300(S)	300	12.54	53720		
CLIMBER PLANTING								
EPI.AUR.	<i>Epipremnum aureum</i>	綠蘿	MIN. 4 SHOOTS PER PLANT, 300mm LONG	500	4.6	3314	PLANT EACH SPECIES IN GROUPS OF 10-20 IN	
CLIMBER FOR PIERS OF VIADUCTS - PIER D13 (WITH BEARING)								
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	59	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER SPECIES.	
PLANTING SCHEDULE FOR NORTH LANTAU HIGHWAY (TUNG CHUNG BOUND) SIGN GANTRIES (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(B)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	STANDARD TREE	5000	-	6	-	
SHRUB PLANTING								
DUR.REP.	<i>Duranta repens</i>	假連翹	300(H) x 250(S)	400	7.25	740	REINSTATEMENT PLANTING	
LIG.SIN.	<i>Ligustrum sinense</i>	山指甲	300(H) x 250(S)	400	7.25	730	REINSTATEMENT PLANTING	
NER.OLE.	<i>Nerium oleander</i>	夾竹桃	400(H) x 250(S)	400	7.25	740	REINSTATEMENT PLANTING	

-	23/06/20	PLANTING SCHEDULE	KW	CL	CL
REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.

CLIENT

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

AECOM

PROJECT
**TUEN MUN -
 CHEK LAP KOK LINK**

CONTRACT NO.
HMWS2/2020(HY)

CONTRACT TITLE
**ESTABLISHMENT OF LANDSCAPE
 SOFTWARES FOR THE TUEN MUN
 - CHEK LAP KOK LINK PROJECT**

TITLE
**PLANTING SCHEDULE
 (PORTION A)**

SHEET 1 OF 2

DRAWING REFERENCE
 -

SCALE
 N.T.S.

DRAWN KW	PREPARED CL	APPROVED CL	REV.
SKETCH NO. SK0584			-

PLANTING SCHEDULE FOR FEATURES NOS. 10NW-C/F11 AND 10NW-C/F17 (WITHIN EXPRESSWAY BOUNDARY)							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK
TREE PLANTING - EXOTIC							
BOM.CEI.	<i>Bombax ceiba</i>	木綿	LIGHT STANDARD TREE	4000-5000	-	84	-
SHRUB MIX PLANTING							
CAL.HAE.	<i>Calliandra haematocephala</i>	紅絨球	300(H) x 300(S)	1000	1.2	520	-
GAR.JAS.	<i>Gardenia jasminoides</i>	白蟻	300(H) x 300(S)	500	4.6	2000	-
HIB.ROS.	<i>Hibiscus rosa-sinensis</i>	大紅花	300(H) x 300(S)	1000	1.2	520	-
NER.OLE.	<i>Nerium oleander</i>	夾竹桃	300(H) x 300(S)	1000	1.2	3650	-
CLIMBER FOR PIERS OF VIADUCTS							
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	47	PLANT ALONG THE WALL OF THE COLUMN AND IN AN
PAR.DAL.	<i>Parthenocissus dalzielii</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	47	ALTERNATE PATTERN. SELF-CLINGING CLIMBER
PLANTING SCHEDULE FOR FEATURES NOS. 10NW-C/F13, 10NW-C/F14 AND 10NW-C/F15 (WITHIN EXPRESSWAY BOUNDARY)							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK
TREE PLANTING							
BAU.VAR.(A)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	LIGHT STANDARD TREE	4000	-	92	-
CIN.BUR.(A)	<i>Cinnamomum burmannii</i>	陰香	LIGHT STANDARD TREE	4000	-	7	-
MEL.AZE.(A)	<i>Melia azeedarach</i>	苦楝	LIGHT STANDARD TREE	4000	-	32	-
BRI.TOM.	<i>Bridelia tomentosa</i>	土蜜樹	LIGHT STANDARD TREE	3000	-	45	-
PALM PLANTING							
PHO.ROE.	<i>Phoenix roebelenii</i>	日本葵	2000(H) x 1500(S)	2000	-	39	OVERALL HEIGHT
LIV.CHI.	<i>Livistona chinensis</i>	蒲葵	2500(H) x 1500(S)	3500-4000	-	241	OVERALL HEIGHT
CLIMBER MIX PLANTING (UNDER STRUCTURE)							
PAR.DAL.	<i>Parthenocissus dalzielii</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	500	4.6	4417	-
CLIMBER FOR PIERS OF VIADUCTS (MONOLITHIC)							
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	10	PLANT ALONG THE WALL OF THE COLUMN AND IN AN
PAR.DAL.	<i>Parthenocissus dalzielii</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	10	ALTERNATE PATTERN. SELF-CLINGING CLIMBER
HYDROSEEDING							
HYDROSEEDING	HYDROSEEDING	噴草	-	-	-	7083 m ²	GRASS SEED AS CEDD GENERAL SPECIFICATION 3.26(3)
PLANTING SCHEDULE FOR FEATURES NOS. 95E-B/C8, 95E-B/C9 AND 95E-B/C112							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK
TREE PLANTING							
BRI.TOM.	<i>Bridelia tomentosa</i>	土蜜樹	WHIP	1500-2000	-	37	-
GOR.AXI.(A)	<i>Gordonia axillaris</i>	大頭茶	WHIP	1500-2000	-	30	-
LIT.GLU.	<i>Litsea glutinosa</i>	潺槁樹	WHIP	1500-2000	-	31	-
PHY.EMB.	<i>Phyllanthus emblica</i>	餘甘子	WHIP	1500-2000	-	15	-
REE.THY.	<i>Reevesia thyrsoidea</i>	梭羅樹	WHIP	1500-2000	-	30	-
SHRUB MIX							
GOR.AXI.	<i>Gordonia axillaris</i>	大頭茶	500(H) x 500(S)	500	4.6	1100	PLANT EACH SPECIES IN GROUPS OF 15 TO 30 AT RANDOM THROUGHOUT AREAS DESIGNATED FOR SHRUB PLANTING.
MEL.CAN.	<i>Melastoma candidum</i>	野牡丹	300(H) x 300(S)	500	4.6	1100	
MEL.SAN.	<i>Melastoma sanguineum</i>	毛茛	300(H) x 300(S)	500	4.6	1100	
PSY.ASI.	<i>Psychotria asiatica</i>	九節	300(H) x 300(S)	500	4.6	1100	
RHO.TOM.	<i>Rhodomyrtus tomentosa</i>	桃金娘	300(H) x 300(S)	500	4.6	1100	
CLIMBER							
LON.JAP.	<i>Lonicera japonica</i>	金銀花	MIN. 4 SHOOTS PER PLANT, 600 LONG	500	4.6	900	PLANT CLIMBER MIX ALONG SOIL/ROCK INTERFACE AND IN AREAS DESIGNATED FOR CLIMBER MIX PLANTING. PLANT EACH SPECIES IN GROUPS OF 5-10 AND IN A STAGGERED PATTERN.
PAR.DAL.	<i>Parthenocissus dalzielii</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	500	4.6	900	
HYDROSEEDING							
HYDROSEEDING	HYDROSEEDING	噴草	-	-	-	1558 m ²	GRASS SEED AS CEDD GENERAL SPECIFICATION 3.26(3)
PLANTING SCHEDULE FOR FEATURE NO. 95E-B/F85							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK
TREE PLANTING							
BAU.VAR.(B)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	STANDARD TREE	4000	-	7	-
PLU.RUB.	<i>Plumeria rubra</i>	雞蛋花(紅)	HEAVY STANDARD	3500-4000	-	4	2000 (H) X 2000 (S)
PALM TREE PLANTING							
CAR.MIT.	<i>Caryota mitis</i>	短穗魚尾葵	2500(H) x 1500(S)	2500	-	12	MIN. 4 CLUMPS PER PLANT
PHO.ROE.	<i>Phoenix roebelenii</i>	日本葵	2000(H) x 1500(S)	2000	-	10	OVERALL HEIGHT
WAS.ROB.(A)	<i>Washingtonia robusta</i>	華盛頓葵	2500(H) x 2000(S)	3500-4000	-	8	OVERALL HEIGHT
SHRUB MIX A PLANTING (OUTSIDE DRIP LINE OF VIADUCT)							
GOR.AXI.	<i>Gordonia axillaris</i>	大頭茶	500(H) x 500(S)	500	4.6	270	PLANT EACH SPECIES IN GROUPS OF 10 TO 20 IN RANDOM. PLANT ALL SPECIES IN STAGGERED PATTERN.
MEL.CAN.	<i>Melastoma candidum</i>	野牡丹	300(H) x 300(S)	500	4.6	270	
MEL.SAN.	<i>Melastoma sanguineum</i>	毛茛	300(H) x 300(S)	500	4.6	270	
PSY.ASI.	<i>Psychotria asiatica</i>	九節	300(H) x 300(S)	500	4.6	90	
RHO.SIM.	<i>Rhododendron simsii</i>	紅杜鵑	300(H) x 300(S)	500	4.6	180	
RHO.TOM.	<i>Rhodomyrtus tomentosa</i>	桃金娘	300(H) x 300(S)	500	4.6	360	
SCH.ARB.	<i>Schefflera arboricola</i>	八葉	300(H) x 300(S)	500	4.6	360	
SHRUB MIX B PLANTING (UNDER STRUCTURE)							
LIG.SIN.	<i>Ligustrum sinense</i>	山指甲	300(H) x 300(S)	500	4.6	370	PLANT EACH SPECIES IN GROUPS OF 10 TO 20 IN RANDOM. PLANT ALL SPECIES IN STAGGERED PATTERN.
RHO.SIM.	<i>Rhododendron simsii</i>	紅杜鵑	300(H) x 300(S)	500	4.6	520	
SCH.ARB.	<i>Schefflera arboricola</i>	八葉	300(H) x 300(S)	500	4.6	590	
CLIMBER FOR PIERS OF VIADUCTS							
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	12	PLANT ALONG THE WALL OF THE COLUMN AND IN AN
PAR.DAL.	<i>Parthenocissus dalzielii</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	12	ALTERNATE PATTERN. SELF-CLINGING CLIMBER
PLANTING SCHEDULE FOR CHEUNG TUNG ROAD (LCS)							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK
TREE PLANTING							
GAR.SUB.	<i>Garcinia subelliptica</i>	菲島福木	LIGHT STANDARD	4000-5000	-	4	-
ILE.ROT.	<i>Ilex rotunda</i>	鐵冬青	HEAVY STANDARD	5000	-	44	-
LAG.SPE.	<i>Lagostroemia speciosa</i>	大花紫微	HEAVY STANDARD	4000-4500	-	15	-
TAB.IMP.	<i>Tabebuia impetiginosa</i>	風鈴木	HEAVY STANDARD	5000	-	9	-
SHRUB PLANTING							
IXO.CHI.	<i>Ixora chinensis</i>	龍船花	300(H) x 300(S)	300	12.54	5295	PLANT ALL SPECIES IN STAGGERED PATTERN.
RHA.IND.	<i>Rhaphiolepis indica</i>	車輪梅	300(H) x 300(S)	300	12.54	2005	
GROUND COVER PLANTING							
ADA.DUR.	<i>Arachis duranensis</i>	金花生	100(H) x 200(S)	250	18.4	12150	PLANT ALL SPECIES IN STAGGERED PATTERN.
EPI.AUR.	<i>Epipremnum aureum</i>	綠蘿	200(H) x 300(S)	300	12.54	36	
WED.TRI.	<i>Wedelia tribata</i>	三裂葉銀菊	200(H) x 150(S)	300	12.54	15720	
GRASS PLANTING							
AXO.COM.	<i>Axonopus compressus</i>	地毯草(大葉草)	WHOLE PIECE TURF 300(L) X 300(W) X 50(H)	-	m ²	3823	25mm HEIGHT SWORD AND 25mm SOIL BASE OF TURF

TRANSPLANT TREE NO.	BOTANICAL NAME	CHINESE NAME	APPROXIMATE TREE HEIGHT (m)
NL0440	<i>Bombax ceiba</i>	木綿	8
NL2172	<i>Ficus microcarpa</i>	細葉榕	6
NL0438	<i>Bombax ceiba</i>	木綿	8
NL0441	<i>Bombax ceiba</i>	木綿	7
NL0442	<i>Bombax ceiba</i>	木綿	8
NL1864	<i>Bombax ceiba</i>	木綿	7

-	23/06/20	PLANTING SCHEDULE	KW	CL	CL
REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.

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

AECOM

PROJECT
**TUEN MUN -
 CHEK LAP KOK LINK**

CONTRACT NO.
HMWS2/2020(HY)

CONTRACT TITLE
**ESTABLISHMENT OF LANDSCAPE
 SOFTWARES FOR THE TUEN MUN
 - CHEK LAP KOK LINK PROJECT**

TITLE
**PLANTING SCHEDULE
 (PORTION A)**

DRAWING REFERENCE		SCALE		SHEET 2 OF 2	
-		N.T.S.			
DRAWN	PREPARED	APPROVED			
KW	CL	CL			
SKETCH NO.		REV.			
SK0585		-			

Contract No. HY/2012/07 (C1) Landscape Area Checking for EP Condition 2.9

Area Code	Location	Plan Area (sq.m.) Approx.	Average Slope Angle	Plane Area (sq.m.) Approx.
N1	CTR	1575	0	1575
N2	CTR	264	0	264
N3	NLH	34	0	34
N4	NLH	1824	0	1824
N5	CTR	725	0	725
N6	CTR	14273	0	14273
N7	NLH	9095	0	9095
N8	NLH	918	0	918
N9	NLH	1302	0	1302
N10	NLH	6413	0	6413
N11	NLH	29	0	29
N12	NLH	489	0	489
N13	CTR and NLH	447	0	447
N14	CTR and NLH	983	0	983
N15	CTR	359	0	359
N16	CTR	130	0	130
N17	NLH	963	0	963
N18	NLH	454	0	454
N19	NLH	1028	0	1028
N20	NLH	464	0	464
N21	NLH	370	0	370
S1	CTR - PF2	607	27	681
S2	CTR - PF1	230	27	258
S3	10NW-C/F13, C/F14, C/F15	8483	26	9438
S4	10NW-C/F50(de-registered)	968	20	1030
S5	10NW-C/F52	619	27	695
S6	NLH - RD1	317	27	356
S7	10NW-C/F10	2515	27	2823
S8	10NW-C/F11	2893	27	3247
S9	10NW-C/F17	3138	27	3522
S10	10NW-C/F9	3052	26	3396
S11	9SE-B/F85	714	25	788
S12	9SE-B/C112	450	50	700
S13	9SE-B/C8	2832	40	3697
S14	9SE-B/C9	7361	45	10410
-	*Southern Landfall	47120	0	47120
Sub-total (A)			130300-47120	83180
DSD Project: DC/2016/01 Entrusted Landscape Works along Cheung Tung Road	CTR	13834	0	13834
Sub-total (B)				13834
Total (A) + (B)				97014

Remark: * Planting Area at Southern Landfall had been handed over to Contract HY/2017/10 from December 2020

ABBREVIATIONS

CTR Cheung Tung Road

NLH North Lantau Highway



- LEGEND:**
- SITE BOUNDARY
 - AS-BUILT U-Channel
 - AS-BUILT MAINTENANCE ACCESS
 - AS-BUILT MAINTENANCE FOOTPATH
 - AS-BUILT PLANTING
 - ENGINEERING LAYOUT-VIADUCT
 - PIER MARK
 - AREA BOUNDARY

APPROVED AND CONFIRMED BY
 TITLE
AECOM (RLS)
 NAME
SAMMY TSOI
 SIGNATURE

FOR INFORMATION

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.

CLIENT
路政署
HIGHWAYS DEPARTMENT
 港務局大橋及港務工程管理處
 Hong Kong - Zhuhai - Macao Bridge
 Hong Kong Project Management Office

AECOM Imagine it. Delivered.

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HY/2012/07

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION

TITLE
LANDSCAPE AREA A (SOUTHERN LANDFALL)

DRAWING REFERENCE
NEW DRAWING

SCALE
 1:1000 (A1)
 1:2000 (A3)

DRAWN	PREPARED	APPROVED	
KW	CL	CL	

SKETCH NO. SK-0600

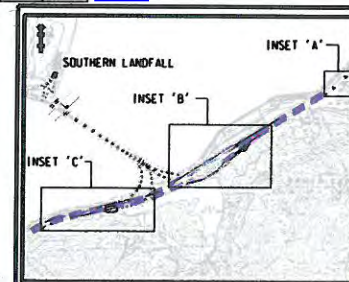
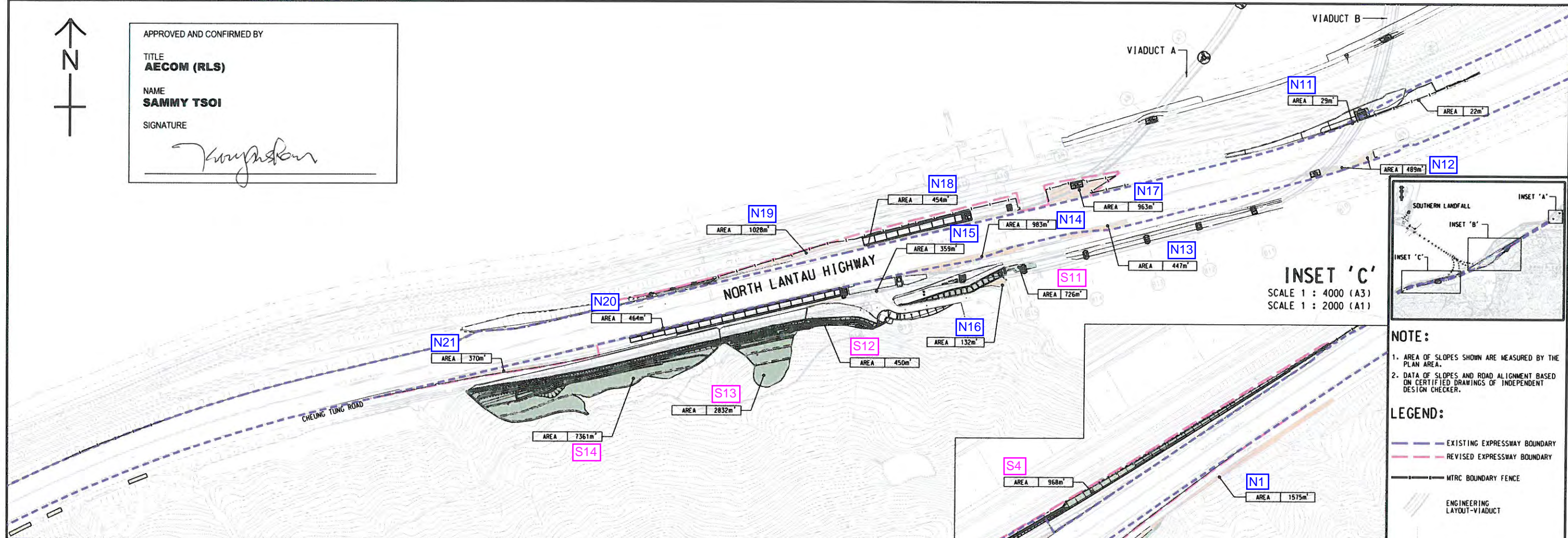


APPROVED AND CONFIRMED BY

TITLE
AECOM (RLS)

NAME
SAMMY TSOI

SIGNATURE



INSET 'C'
SCALE 1 : 4000 (A3)
SCALE 1 : 2000 (A1)

- NOTE:**
1. AREA OF SLOPES SHOWN ARE MEASURED BY THE PLAN AREA.
 2. DATA OF SLOPES AND ROAD ALIGNMENT BASED ON CERTIFIED DRAWINGS OF INDEPENDENT DESIGN CHECKER.

- LEGEND:**
- EXISTING EXPRESSWAY BOUNDARY
 - REVISED EXPRESSWAY BOUNDARY
 - MTRC BOUNDARY FENCE
 - ENGINEERING LAYOUT-VIADUCT
 - PIER MARK
 - NON-SLOPE AREA
 - SLOPE AREA

FOR INFORMATION

REV.	DATE	DESCRIPTION	DRAWN	PREP.	APP.
-	03/09/20	LANDSCAPE AREA	KW	CL	CL

路政署
HIGHWAYS DEPARTMENT
香港國際機場工程管理局
Hong Kong - Zhuhai - Macao Bridge
Hong Kong Project Management Office

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HY/2012/07

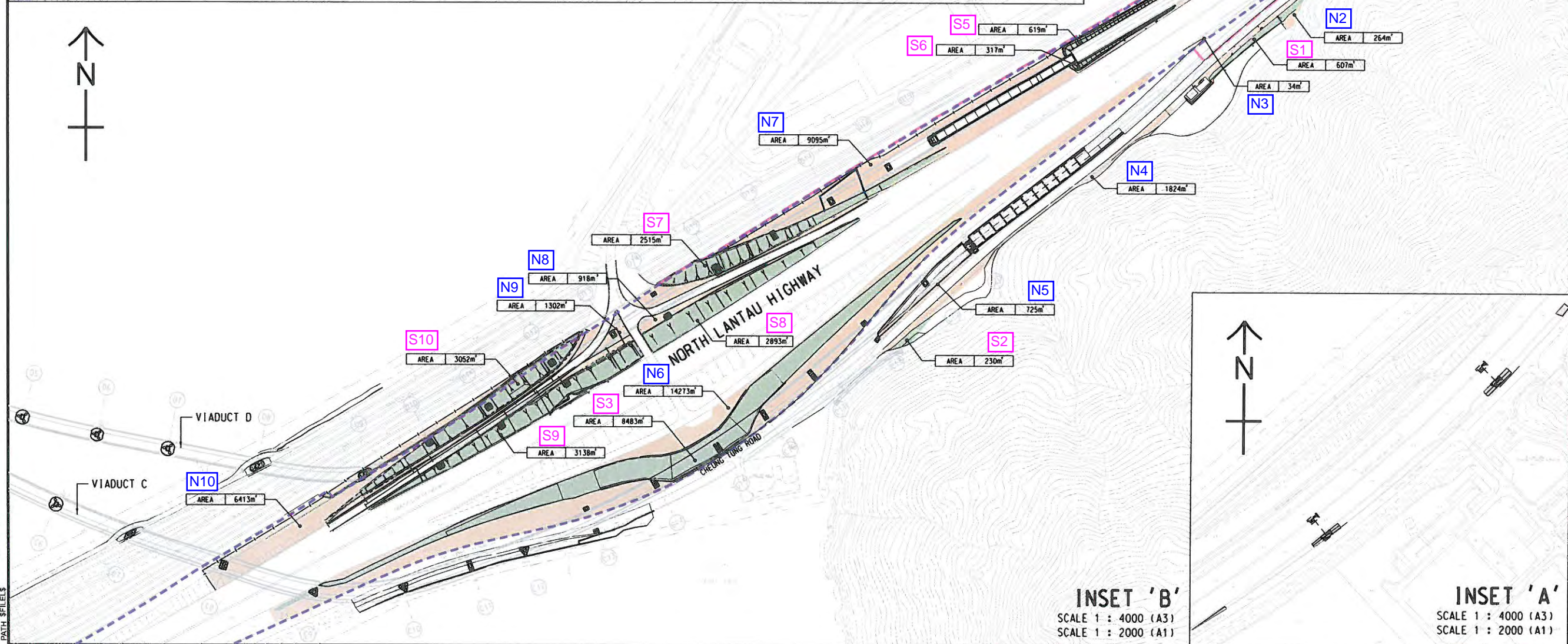
CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK
- SOUTHERN CONNECTION
VIADUCT SECTION

TITLE
LANDSCAPE
AREA

DRAWING REFERENCE	SCALE
-	1:2000 (A1)
-	1:4000 (A3)

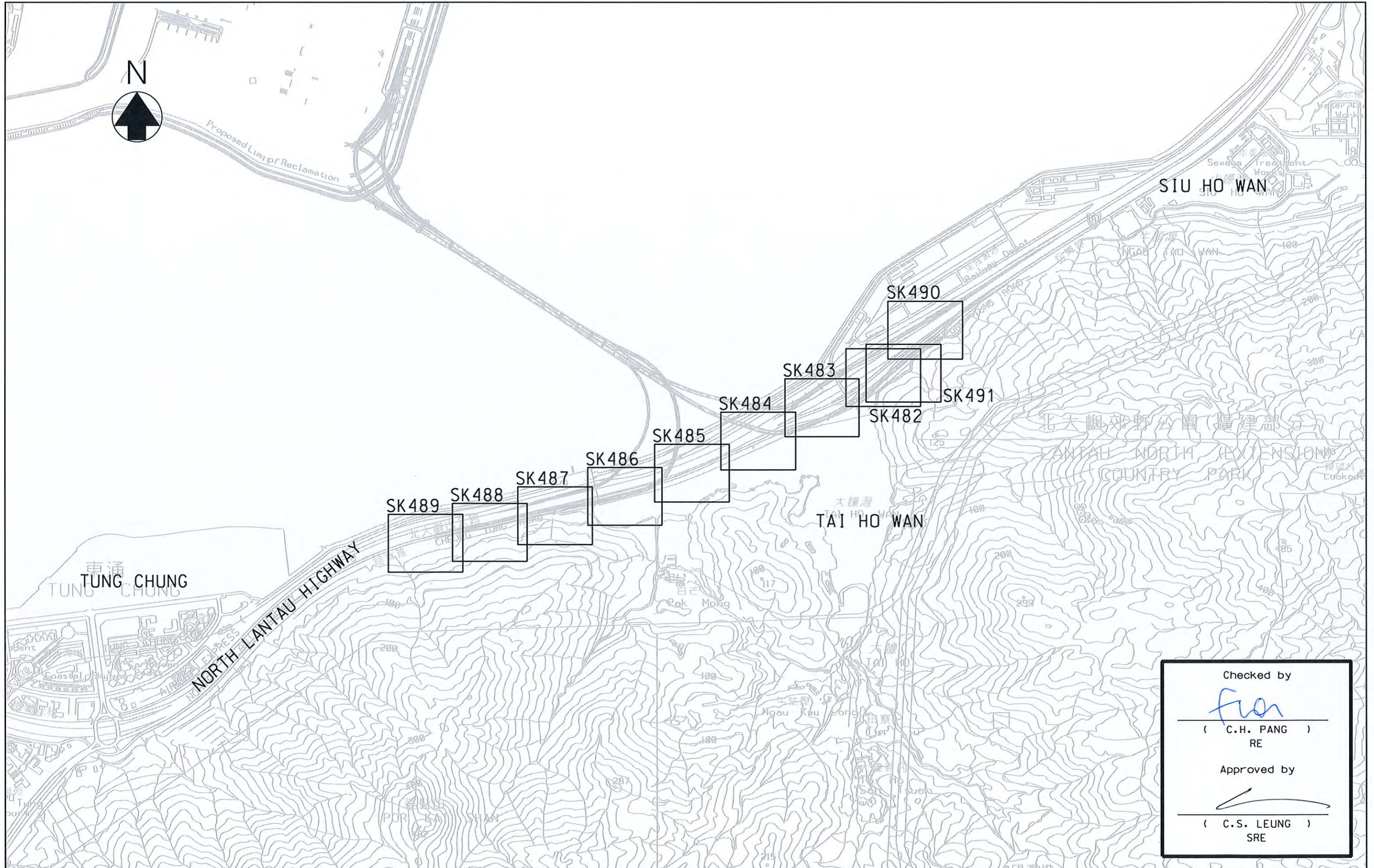
DRAWN	PREPARED	APPROVED
KW	CL	CL

SKETCH NO. SK0598



INSET 'B'
SCALE 1 : 4000 (A3)
SCALE 1 : 2000 (A1)

INSET 'A'
SCALE 1 : 4000 (A3)
SCALE 1 : 2000 (A1)



Checked by
Fran
 (C.H. PANG)
 RE
 Approved by
[Signature]
 (C.S. LEUNG)
 SRE

Project	CONTRACT NO. DC/2016/01 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS 建造東涌至小蠔灣額外污水泵喉及附屬工程
Title	KEY PLAN OF PLANTING PLAN


 香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG
 SPECIAL ADMINISTRATIVE REGION
 DRAINAGE SERVICES DEPARTMENT

 BLACK & VEATCH HONG KONG LIMITED
 博威工程顧問有限公司

Drawn by	PL	Date	14/06/2018
Checked by	FNT	Scale	A3 1 : 15000
Approved by	TC	Sketch no.	DC/2016/01/SK/0481
		Revision	B

Plot Date = 9/9/2020

Appendix C
Approved Planting Schedule for Contract No. HY/2012/07 (Zone 1, 3 & 4)

Zone 3B

Tree

Zone 3C

Zone 3E including verge area next to Cheung Tung Road

Zone 3D

Zone 3F

PLANTING SCHEDULE FOR RESUMED AREA AT VIADUCT A (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(H)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	5000	-	5	PLANT IN STAGGERED PATTERN	
SHRUB PLANTING								
FIC.MC.'GOL'	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	300(H) x 300(S)	500	4.6	700	PLANT EACH SPECIES IN GROUPS OF 50-80 IN RANDOM. PLANT ALL SPECIES IN STAGGERED PATTERN.	
GAR.JAS.	<i>Gardenia jasminoides</i>	白蟻	300(H) x 300(S)	500	4.6	350		
NER.OLE.	<i>Nerium oleander</i>	夾竹桃	300(H) x 300(S)	500	4.6	600		
PIT.TOB.	<i>Pittosporum tobira</i>	海桐花	300(H) x 300(S)	500	4.6	350		
RHO.TOM.	<i>Rhodomyrtus tomentosa</i>	桃金娘	300(H) x 300(S)	500	4.6	800		
SCHARB.	<i>Schefflera arboricola</i>	八寶	300(H) x 300(S)	500	4.6	1430		
GROUND COVER PLANTING								
HYM.LIT.	<i>Hymenocallis littoralis</i>	雙翅蓮	300(H) x 300(S)	300	12.54	8800	PLANT ALL SPECIES IN STAGGERED PATTERN.	
CLIMBER PLANTING (UNDER STRUCTURE)								
EPLAUR.	<i>Epipremnum aureum</i>	綠蘿	MIN. 4 SHOOTS PER PLANT, 300mm LONG	500	4.6	230		
PLANTING SCHEDULE FOR NORTH LANTAU HIGHWAY (TUNG CHUNG BOUND) VIADUCT B (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(B)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	STANDARD TREE	5000	-	3	PLANT IN STAGGERED PATTERN	
SHRUB PLANTING								
ALL.CAT.	<i>Allamanda cathartica</i>	軟枝黃藤	300(H) x 300(S)	350	9.57	770	PLANT ALL SPECIES IN STAGGERED PATTERN.	
FIC.MC.'GOL'	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	300(H) x 300(S)	350	9.57	1310		
SCHARB.	<i>Schefflera arboricola</i>	八寶	300(H) x 300(S)	350	9.57	2000		
GROUND COVER PLANTING								
HYM.LIT.	<i>Hymenocallis littoralis</i>	雙翅蓮	300(H) x 300(S)	300	12.54	10700		PLANT ALL SPECIES IN STAGGERED PATTERN.
CLIMBER FOR PIERS OF VIADUCTS - PIER B10 (MONOLITHIC)								
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	10	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
PAR.DAL.	<i>Parthenocissus dactylifera</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	10	ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
PLANTING SCHEDULE FOR NORTH LANTAU HIGHWAY (TUNG CHUNG BOUND) VIADUCT C (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(A)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	LIGHT STANDARD TREE	4000	-	6	PLANT IN STAGGERED PATTERN	
BAU.VAR.(B) (H)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	4000 - 5000	-	13		
GRE.FOB.(H)	<i>Grevillea robusta</i>	銀葉	HEAVY STANDARD TREE	4000	-	10		
PLURUB.	<i>Plumelia rubra</i>	羅漢花	2000(H) x 2000(S) - 2500(H) x 2500(S)	4000	-	47		
PALM PLANTING								
LIV.CHI.	<i>Livistona chinensis</i>	蒲葵	2500(H) x 1500(S)	4000	-	7	TRUNK HEIGHT. PLANT IN STAGGERED PATTERN.	
PHO.SYL.	<i>Phoenix sylvestris</i>	假海欖	2000(H) x 1500(S)	4000	-	8		
SHRUB PLANTING								
FIC.MC.'GOL'	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	300(H) x 300(S)	350	9.57	10100	PLANT ALL SPECIES IN STAGGERED PATTERN.	
GOR.AXL.	<i>Gordonia axillaris</i>	大葉茶	300(H) x 300(S)	350	9.57	5600		
MEL.CAN.	<i>Melastoma candidum</i>	野牡丹	300(H) x 300(S)	350	9.57	8750		
MEL.SAN.	<i>Melastoma sanguineum</i>	毛萼	300(H) x 300(S)	350	9.57	8750		
RHO.TOM.	<i>Rhodomyrtus tomentosa</i>	桃金娘	300(H) x 300(S)	350	9.57	8750		
SCHARB.	<i>Schefflera arboricola</i>	八寶	300(H) x 300(S)	350	9.57	8760		
GROUND COVER PLANTING								
ADA.DUR.	<i>Anachis duranensis</i>	金花生	100(H) x 200(S)	250	18.4	625	PLANT ALL SPECIES IN STAGGERED PATTERN.	
HYM.LIT.	<i>Hymenocallis littoralis</i>	雙翅蓮	300(H) x 300(S)	300	12.54	21000		
TRA.SPA.	<i>Tradescantia spathacea</i>	蚌花	200(H) x 300(S)	250	18.4	6300		
CLIMBER PLANTING (UNDER STRUCTURE)								
EPLAUR.	<i>Epipremnum aureum</i>	綠蘿	MIN. 4 SHOOTS PER PLANT, 300mm LONG	500	4.6	3405	PLANT EACH SPECIES IN GROUPS OF 10-20 IN RANDOM. PLANT ALL SPECIES IN STAGGERED	
PAR.DAL.	<i>Parthenocissus dactylifera</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	500	4.6	5000		
CLIMBER FOR PIERS OF VIADUCTS - PIER C13, C18 (MONOLITHIC)								
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	26	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
PAR.DAL.	<i>Parthenocissus dactylifera</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	26	ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
CLIMBER FOR PIERS OF VIADUCTS - PIER C9, C14, C16, C17 (WITH BEARING)								
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	125	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
HYDROSEEDING								
HYDROSEEDING	HYDROSEEDING	噴草	-	-	-	333 m ²	GRASS SEED AS CEDD GENERAL SPECIFICATION 3.28(S)	
PLANTING SCHEDULE FOR NORTH LANTAU HIGHWAY (KOWLOON BOUND) VIADUCT D, FEATURES NOS. 10NW-C/F9, 10NW-C/F10 AND 10NW-C/F52 (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(A)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	LIGHT STANDARD TREE	4000	-	7	-	
BAU.VAR.(B)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	STANDARD TREE	5000	-	9		
BAU.VAR.(H)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD TREE	5000	-	12		
SHRUB PLANTING								
ALL.CAT.	<i>Allamanda cathartica</i>	軟枝黃藤	300(H) x 300(S)	300	12.54	2600	PLANT ALL SPECIES IN STAGGERED PATTERN.	
FIC.MC.'GOL'	<i>Ficus microcarpa</i> 'Golden Leaf'	黃榕	300(H) x 300(S)	500	4.6	14150		
GAR.JAS.	<i>Gardenia jasminoides</i>	白蟻	300(H) x 300(S)	500	4.6	3730		
NER.OLE.	<i>Nerium oleander</i>	夾竹桃	300(H) x 300(S)	500	4.6	1100		
RHO.TOM.	<i>Rhodomyrtus tomentosa</i>	桃金娘	300(H) x 300(S)	500	4.6	11130		
SCHARB.	<i>Schefflera arboricola</i>	八寶	300(H) x 300(S)	500	4.6	19800		
GROUND COVER PLANTING								
ADA.DUR.	<i>Anachis duranensis</i>	金花生	100(H) x 200(S)	250	18.4	11984	PLANT ALL SPECIES IN STAGGERED PATTERN.	
HYM.LIT.	<i>Hymenocallis littoralis</i>	雙翅蓮	300(H) x 300(S)	300	12.54	53720		
CLIMBER PLANTING								
EPLAUR.	<i>Epipremnum aureum</i>	綠蘿	MIN. 4 SHOOTS PER PLANT, 300mm LONG	500	4.6	3314	PLANT EACH SPECIES IN GROUPS OF 10-20 IN RANDOM. PLANT ALL SPECIES IN STAGGERED	
CLIMBER FOR PIERS OF VIADUCTS - PIER D13 (WITH BEARING)								
FIC.PUM.	<i>Ficus pumila</i>	薛荔	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	59	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER SPECIES.	
PLANTING SCHEDULE FOR NORTH LANTAU HIGHWAY (TUNG CHUNG BOUND) SIGN GANTRIES (WITHIN EXPRESSWAY BOUNDARY)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK	
TREE PLANTING								
BAU.VAR.(B)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	STANDARD TREE	5000	-	6	-	
SHRUB PLANTING								
DUR.REP.	<i>Duranta repens</i>	假連翹	300(H) x 250(S)	400	7.25	740	REINSTATEMENT PLANTING	
LIG.SIN.	<i>Ligustrum sinense</i>	山指甲	300(H) x 250(S)	400	7.25	730	REINSTATEMENT PLANTING	
NER.OLE.	<i>Nerium oleander</i>	夾竹桃	400(H) x 250(S)	400	7.25	740	REINSTATEMENT PLANTING	

REV.	DATE	DESCRIPTION	ISSUED BY	APP.
-	23/06/20	PLANTING SCHEDULE	KW	CL

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

PROJECT: AECOM

TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.: HMWSD 2/2020(HY)

CONTRACT TITLE: ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE: PLANTING SCHEDULE (PORTION A)

SHEET 1 OF 2

DRAWING REFERENCE: SCALE: N.T.S.

DRAWN: 吳輝 PREPARED: CL APPROVED: CL

SKETCH NO.: SK0584

Zone 3D - slope surface

TRANSPLANT TREE NO.	BOTANICAL NAME	CHINESE NAME	APPROXIMATE TREE HEIGHT (m)
NL0440	Bombax ceiba	木綿	8
NL2172	Ficus microcarpa	福祿格	6
NL0438	Bombax ceiba	木綿	8
NL0441	Bombax ceiba	木綿	7
NL0442	Bombax ceiba	木綿	8
NL1864	Bombax ceiba	木綿	7

PLANTING SCHEDULE FOR FEATURES NOS. 10NW-C/F11 AND 10NW-C/F17 (WITHIN EXPRESSWAY BOUNDARY)							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK
TREE PLANTING - EXOTIC							
BOM.CEI	Bombax ceiba	木綿	LIGHT STANDARD TREE	4000-5000	-	84	-
SHRUB MIX PLANTING							
CAL.HAE	Calliandra haematocephala	紅絨球	300(H) x 300(S)	1000	1.2	520	-
GAR.JAS.	Gardenia jasminoides	白蟻	300(H) x 300(S)	500	4.6	2000	-
HIB.ROS.	Hibiscus rosa-sinensis	大紅花	300(H) x 300(S)	1000	1.2	520	-
NER.OLE.	Nerium oleander	夾竹桃	300(H) x 300(S)	1000	1.2	3650	-
CLIMBER FOR PIERS OF VIADUCTS							
FIC.PUM.	Ficus pumila	藤莖	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	47	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER
PAR.DAL.	Parthenocissus daziielli	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	47	-

Zone 3D - slope Surface

PLANTING SCHEDULE FOR FEATURES NOS. 10NW-C/F13, 10NW-C/F14 AND 10NW-C/F15 (WITHIN EXPRESSWAY BOUNDARY)							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK
TREE PLANTING							
BAU.VAR.(A)	Bauhinia variegata	豎琴七葉樹	LIGHT STANDARD TREE	4000	-	92	-
CIN.BUR.(A)	Cinnamomum burmannii	降香	LIGHT STANDARD TREE	4000	-	7	-
MEL.AZE.(A)	Melia azadirach	苦楝	LIGHT STANDARD TREE	4000	-	32	-
BRI.TOM.	Bridelia tomentosa	土蜜樹	LIGHT STANDARD TREE	3000	-	45	-
PALM PLANTING							
PHO.ROE.	Phoenix roebelenii	日本葵	2000(H) x 1500(S)	2000	-	39	OVERALL HEIGHT
LIV.CHI.	Livistona chinensis	蒲葵	2500(H) x 1500(S)	3500-4000	-	241	OVERALL HEIGHT
CLIMBER MIX PLANTING (UNDER STRUCTURE)							
PAR.DAL.	Parthenocissus daziielli	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	500	4.6	4417	-
CLIMBER FOR PIERS OF VIADUCTS (MONOLITHIC)							
FIC.PUM.	Ficus pumila	藤莖	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	10	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER
PAR.DAL.	Parthenocissus daziielli	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	10	-
HYDROSEEDING							
HYDROSEEDING	HYDROSEEDING	雜草	-	-	-	7083 m ²	GRASS SEED AS CEDD GENERAL SPECIFICATION 3.26(E)

Zone 4

PLANTING SCHEDULE FOR FEATURES NOS. 95E-B/C8, 95E-B/C9 AND 95E-B/C12							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK
TREE PLANTING							
BRI.TOM.	Bridelia tomentosa	土蜜樹	WHIP	1500-2000	-	37	-
GOR.AXI.(A)	Gordonia axillaris	大銀茶	WHIP	1500-2000	-	30	-
LIT.GLU.	Litsea glutinosa	潺槁樹	WHIP	1500-2000	-	31	-
PHY.EMB.	Phyllanthus emblica	棘椰子	WHIP	1500-2000	-	15	-
REL.THY.	Reevesia thysoides	檳榔樹	WHIP	1500-2000	-	30	-
SHRUB MIX							
GOR.AXI.	Gordonia axillaris	大銀茶	500(H) x 500(S)	500	4.6	1100	PLANT EACH SPECIES IN GROUPS OF 15 TO 30 AT RANDOM THROUGHOUT AREAS DESIGNATED FOR SHRUB PLANTING.
MEL.CAN.	Melastoma candidum	野牡丹	300(H) x 300(S)	500	4.6	1100	
MEL.SAN.	Melastoma sanguineum	毛萼	300(H) x 300(S)	500	4.6	1100	
PSY.ASI.	Psychotria asiatica	九節	300(H) x 300(S)	500	4.6	1100	
RHO.TOM.	Rhodomyrtus tomentosa	桃金娘	300(H) x 300(S)	500	4.6	1100	
CLIMBER							
LON.JAP.	Lonicera japonica	金銀花	MIN. 4 SHOOTS PER PLANT, 600 LONG	500	4.6	900	PLANT CLIMBER MIX ALONG SOIL/ROCK INTERFACE AND IN AREAS DESIGNATED FOR CLIMBER MIX PLANTING. PLANT EACH SPECIES IN GROUPS OF 5-10 AND IN A STAGGERED PATTERN.
PAR.DAL.	Parthenocissus daziielli	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	500	4.6	900	-
HYDROSEEDING							
HYDROSEEDING	HYDROSEEDING	雜草	-	-	-	1558 m ²	GRASS SEED AS CEDD GENERAL SPECIFICATION 3.26(E)



Zone 1B

PLANTING SCHEDULE FOR FEATURE NO. 95E-B/F8							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK
TREE PLANTING							
BAU.VAR.(B)	Bauhinia variegata	豎琴七葉樹	STANDARD TREE	4000	-	7	-
PLU.RUB.	Plumeria rubra	雞蛋花 (紅)	HEAVY STANDARD	3500-4000	-	4	2000 (H) x 2000 (S)
PALM TREE PLANTING							
CAR.MIT.	Carapa mitis	短穗魚尾葵	2500(H) x 1500(S)	2500	-	12	MIN. 4 CLUMPS PER PLANT
PHO.ROE.	Phoenix roebelenii	日本葵	2000(H) x 1500(S)	2000	-	10	OVERALL HEIGHT
WAS.ROB.(A)	Washingtonia robusta	華盛頓葵	2500(H) x 2000(S)	3500-4000	-	8	OVERALL HEIGHT

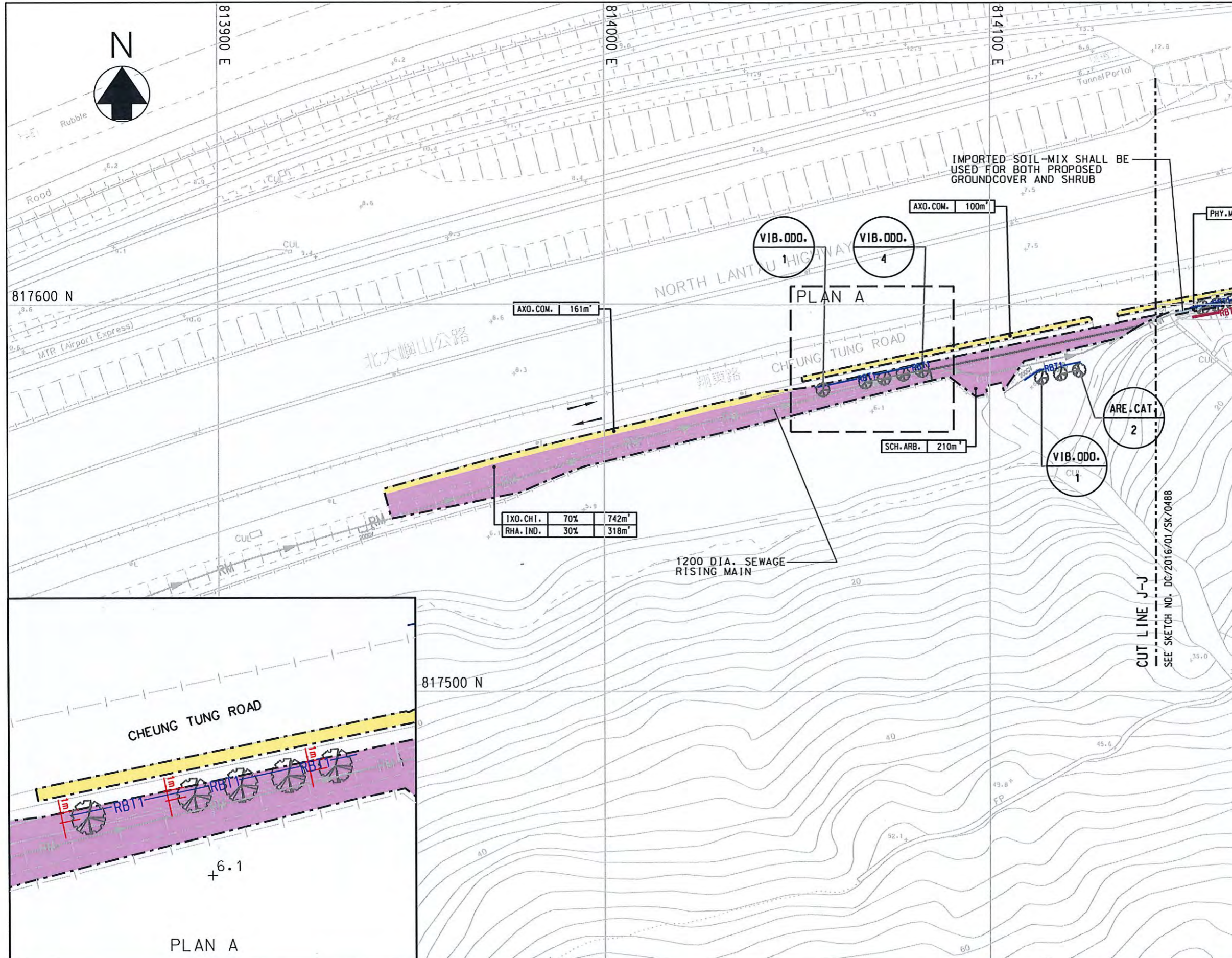
Zone 1C, 1D

SHRUB MIX PLANTING (OUTSIDE DRIP LINE OF VIADUCT)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK	
GOR.AXI.	Gordonia axillaris	大銀茶	300(H) x 300(S)	500	4.6	270	PLANT EACH SPECIES IN GROUPS OF 10 TO 20 IN RANDOM. PLANT ALL SPECIES IN STAGGERED PATTERN.	
MEL.CAN.	Melastoma candidum	野牡丹	300(H) x 300(S)	500	4.6	270		
MEL.SAN.	Melastoma sanguineum	毛萼	300(H) x 300(S)	500	4.6	270		
PSY.ASI.	Psychotria asiatica	九節	300(H) x 300(S)	500	4.6	90		
RHO.SIM.	Rhododendron simsii	紅杜鵑	300(H) x 300(S)	500	4.6	180		
RHO.TOM.	Rhodomyrtus tomentosa	桃金娘	300(H) x 300(S)	500	4.6	360		
SCH.ARB.	Schefflera arboricola	八寶	300(H) x 300(S)	500	4.6	360		
SHRUB MIX B PLANTING (UNDER STRUCTURE)								
LIG.SIN.	Ligustrum sinense	山指甲	300(H) x 300(S)	500	4.6	370		PLANT EACH SPECIES IN GROUPS OF 10 TO 20 IN RANDOM. PLANT ALL SPECIES IN STAGGERED PATTERN.
RHO.SIM.	Rhododendron simsii	紅杜鵑	300(H) x 300(S)	500	4.6	520		
SCH.ARB.	Schefflera arboricola	八寶	300(H) x 300(S)	500	4.6	590		
CLIMBER FOR PIERS OF VIADUCTS								
FIC.PUM.	Ficus pumila	藤莖	MIN. 3 SHOOTS PER PLANT, 300-1000mm LONG	300	3 NOS. PER m	12	PLANT ALONG THE WALL OF THE COLUMN AND IN AN ALTERNATE PATTERN. SELF-CLINGING CLIMBER	
PAR.DAL.	Parthenocissus daziielli	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600-1000mm LONG	300	3 NOS. PER m	12	-	

PLANTING SCHEDULE FOR CHEUNG TUNG ROAD (LCS)							
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./M ²	QUANTITY (NOS.)	REMARK
TREE PLANTING							
GAR.SUB.	Garcinia subelliptica	菲島福木	LIGHT STANDARD	4000-5000	-	4	-
ILE.ROT.	Ilex rotunda	羅冬青	HEAVY STANDARD	5000	-	44	-
LAG.SPE.	Logestromia speciosa	大花紫藤	HEAVY STANDARD	4000-4500	-	15	-
TAB.IMP.	Tabebuia impetiginosa	風鈴木	HEAVY STANDARD	5000	-	9	-
SHRUB PLANTING							
IXO.CHI.	Ixora chinensis	龍船花	300(H) x 300(S)	300	12.54	5295	PLANT ALL SPECIES IN STAGGERED PATTERN.
RHA.IND.	Rhaphirolepis indica	串聯梅	300(H) x 300(S)	300	12.54	2005	
GROUND COVER PLANTING							
ADA.BUR.	Asarichis duranensis	金花生	100(H) x 200(S)	250	18.4	12150	PLANT ALL SPECIES IN STAGGERED PATTERN.
EPL.AUR.	Eupatorium aurum	狗尾草	200(H) x 300(S)	300	12.54	36	
WED.TRI.	Wedelia tribata	三裂葉蝴蝶蘭	200(H) x 150(S)	300	12.54	15720	
GRASS PLANTING							
AXO.COM.	Axonopus compressus	地稈草 (大葉草)	WHOLE PIECE TURF 300(L) x 300(W) x 50(H)	-	m ²	3823	25mm HEIGHT SWORD AND 25mm SOIL BASE OF TURF

REV.	NO.	DATE	DESCRIPTION	ISSUED BY	PREP.	APP.
-	23/06/20		PLANTING SCHEDULE	KW	CL	CL
 路政署 HIGHWAYS DEPARTMENT 主要工程管理處 (專業事務) Major Works Project Management Office (Professional Duties)						
						
PROJECT						
TUEN MUN - CHEK LAP KOK LINK						
CONTRACT NO.						
HMWSD 2/2020(HY)						
CONTRACT TITLE						
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT						
TITLE						
PLANTING SCHEDULE (PORTION A)						
SHEET 2 OF 2						
DRAWING REFERENCE						
SCALE N.T.S.						
DRAWN		PREPARED		APPROVED		
KW		CL		CL		
SKETCH NO.				REV.		
				SK0585		

Appendix D
Planting Schedule of DSD Project: DC/2016/01 Entrusted Landscape Works along
Cheung Tung Road



- LEGEND:**
- LANDSCAPE LIMIT
 - RM RISING MAIN
 - PROPOSED GROUNDCOVER (1200mm THK. SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
 - PROPOSED GROUNDCOVER (300mm THK. SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
 - PROPOSED PIT PLANTING (INDIVIDUAL EXCAVATIONS TO ACCOMMODATE REPLANTED TREES 600mm THK. FOR SHRUB 1200mm THK. FOR TREES)
 - PHY. MYR. SPECIES AREA(sq.m)
 - PROPOSED TREE MAINTENANCE UNDERTAKEN BY LCSD
 - RBT1 RBT1 ROOT BARRIER (TYPE I)
 - RBT2 RBT2 ROOT BARRIER (TYPE II)

1531m²

Checked by
(Signature)
 (C.H. PANG)
 RE
 Approved by
(Signature)
 (C.S. LEUNG)
 SRE

- NOTES:**
- SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
 - THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
 - IN-SITU SOIL-MIX SHALL BE USED UNLESS OTHERWISE SPECIFIED.

Project CONTRACT NO. DC/2016/01
 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS
 建造東涌至小蠔灣額外污水泵喉及附屬工程

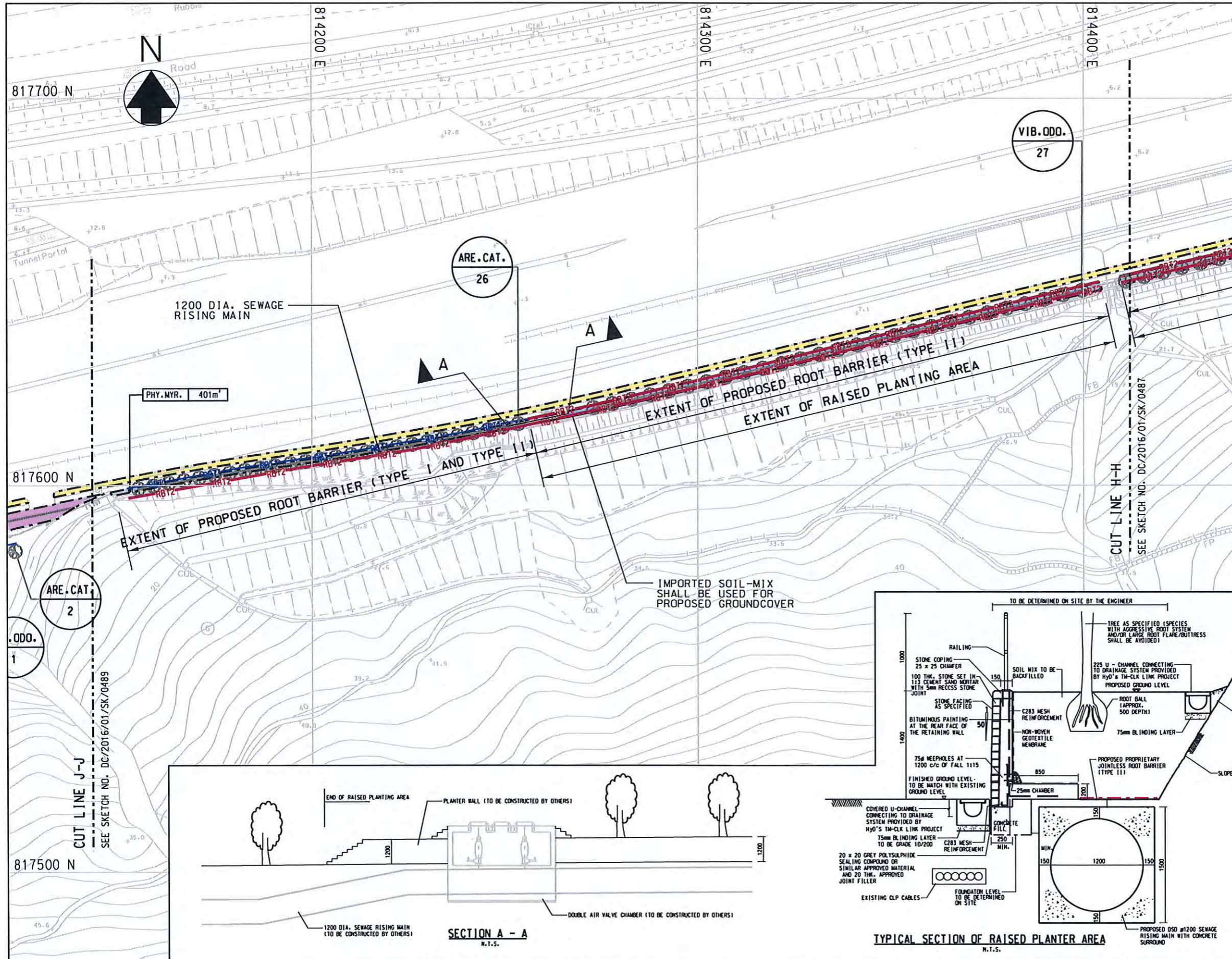
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 8 OF 8)

香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG
 SPECIAL ADMINISTRATIVE REGION
 DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED
 博誠工程顧問有限公司

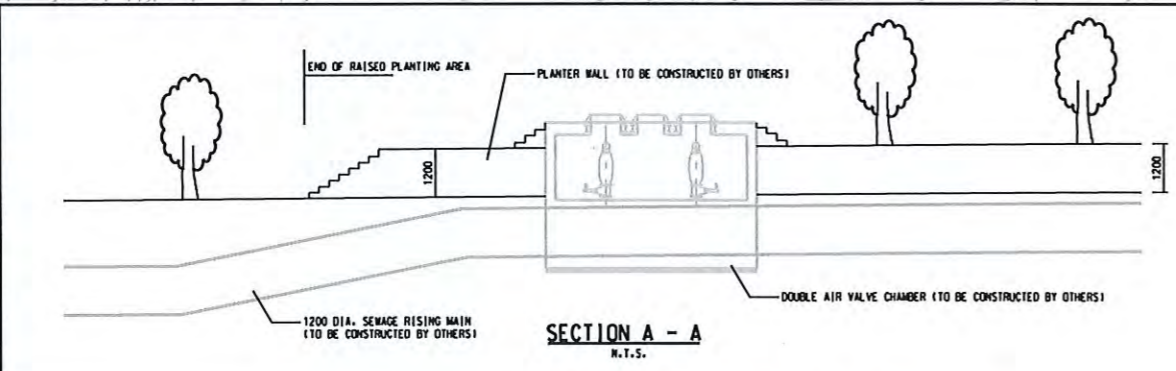
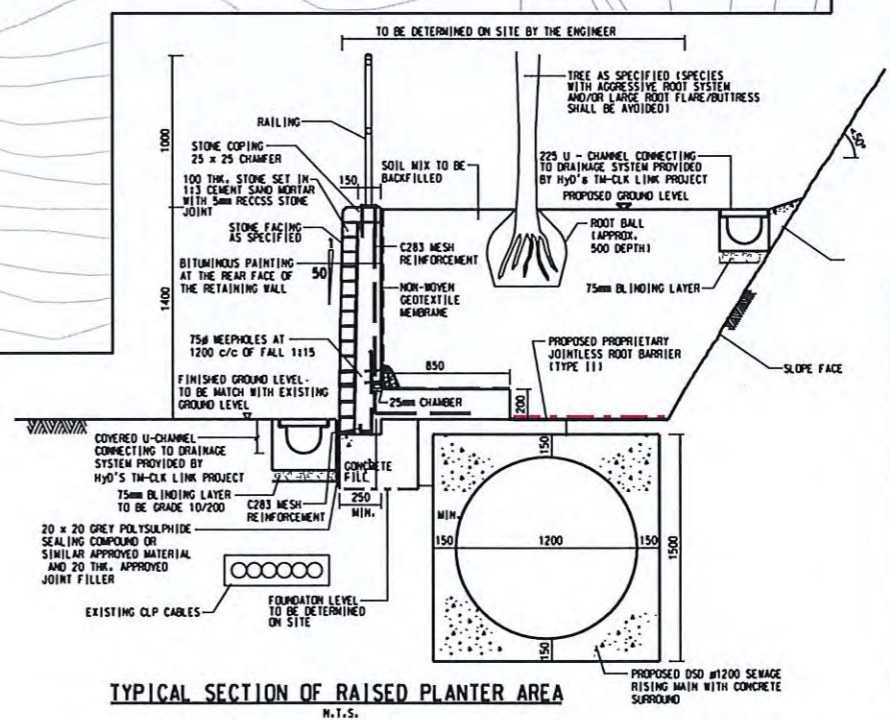
Drawn by	W T L	Date	19/07/2019
Checked by	F P	Scale	A3 1 : 1000
Approved by	C L	Sketch no.	DC/2016/01/SK/0489
		Revision	F

Plot Date = 9/9/2020



- LEGEND:**
- LANDSCAPE LIMIT
 - RM RISING MAIN
 - PROPOSED GROUNDCOVER (1200mm THK. SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
 - PROPOSED GROUNDCOVER (300mm THK. SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
 - PROPOSED PIT PLATING (INDIVIDUAL EXCAVATIONS TO ACCOMMODATE REPLANTED TREES 600mm THK. FOR SHRUB 1200mm THK. FOR TREES)
 - RMA.EXC. 905.74m
 - SPECIES AREA (sq.m)
 - PROPOSED TREE. MAINTENANCE UNDERTAKEN BY LCSD
 - RBT1 RBT1 ROOT BARRIER (TYPE I)
 - RBT2 RBT2 ROOT BARRIER (TYPE II)

401m²



Checked by
FP
 (C.H. PANG)
 RE
 Approved by

 (C.S. LEUNG)
 SRE

- NOTES:**
- SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
 - THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
 - IN-SITU SOIL-MIX SHALL BE USED UNLESS OTHERWISE SPECIFIED.

Project CONTRACT NO. DC/2016/01
 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS
 建造東涌至小蠔灣額外污水泵喉及附屬工程

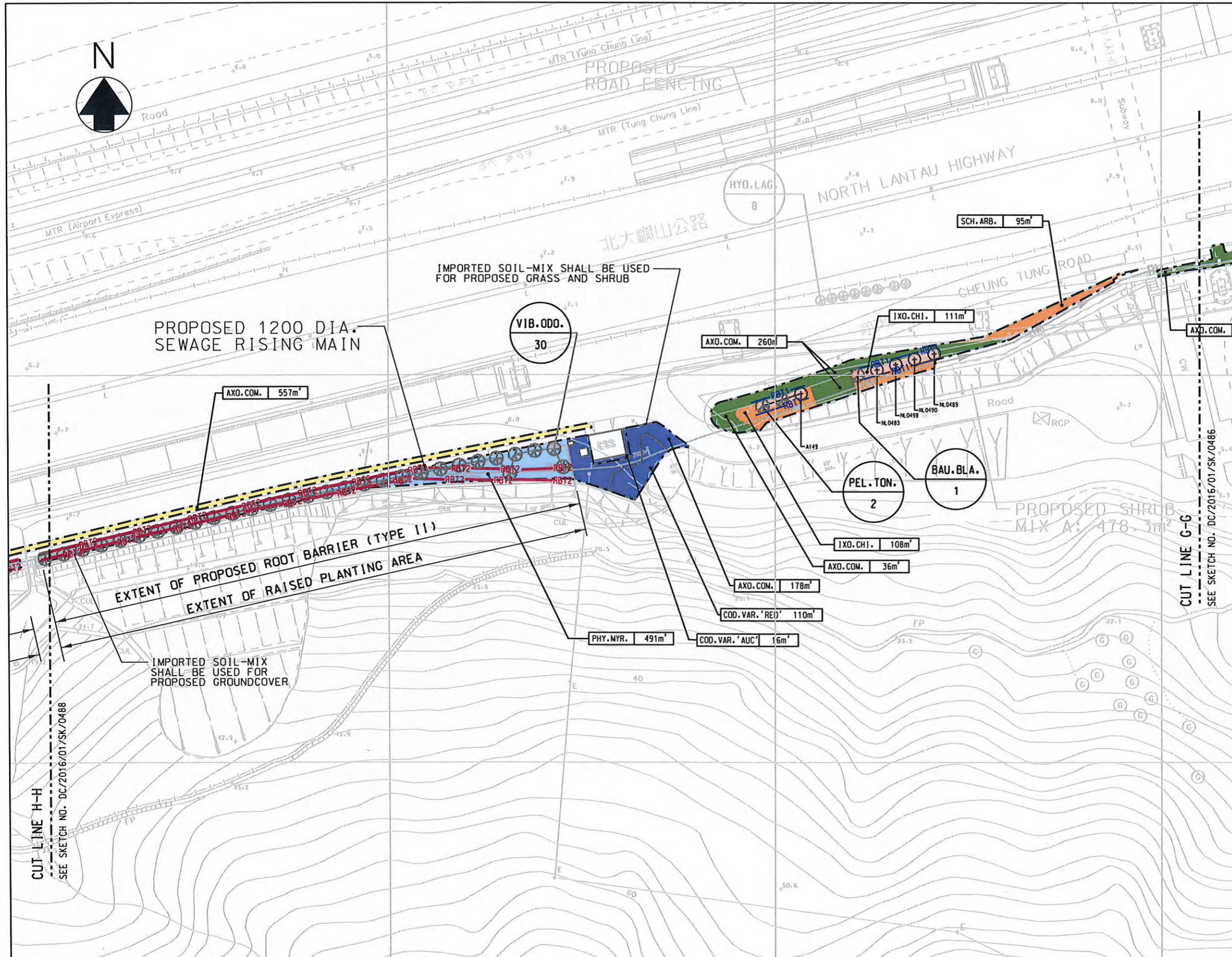
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD
 (SHEET 7 OF 8)

香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION
 DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED
 博威工程顧問有限公司

Drawn by	W T L	Date	31/07/2019
Checked by	F P	Scale	A3 1 : 1000
Approved by	C L	Sketch no.	DC/2016/01/SK/0488
		Revision	G

Plot Date = 9/9/2020



- LEGEND:**
- LANDSCAPE LIMIT
 - RM RISING MAIN
 - PROPOSED GROUNDCOVER (1200mm THK. SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
 - PROPOSED GROUNDCOVER (300mm THK. SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
 - PROPOSED SHRUB (600mm THK. SOIL-MIX FOR SHRUB PLANTING)
 - PROPOSED TREE AND SHRUB (1200mm THK. SOIL-MIX FOR TREE AND SHRUB PLANTING)
 - PROPOSED GRASS (450mm THK. SOIL-MIX FOR GRASS PLANTING)
 - PROPOSED TREE AND GRASS (1200mm THK. SOIL-MIX FOR TREE AND GRASS PLANTING)
 - PROPOSED GRASS AND SHRUB (600mm THK. SOIL-MIX FOR GRASS AND SHRUB PLANTING)
 - SPECIES AREA (sq.m)
 - PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD
 - PROPOSED FINAL LOCATION OF TRANSPLANTED TREE, MAINTENANCE UNDERTAKEN BY LCSD
 - RBT1 ROOT BARRIER (TYPE I)
 - RBT2 ROOT BARRIER (TYPE II)

1962m²

Checked by
(Signature)
 (C.H. PANG)
 RE
 Approved by
(Signature)
 (C.S. LEUNG)
 SRE

NOTES:

- SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
- THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
- IN-SITU SOIL-MIX SHALL BE USED UNLESS OTHERWISE SPECIFIED.

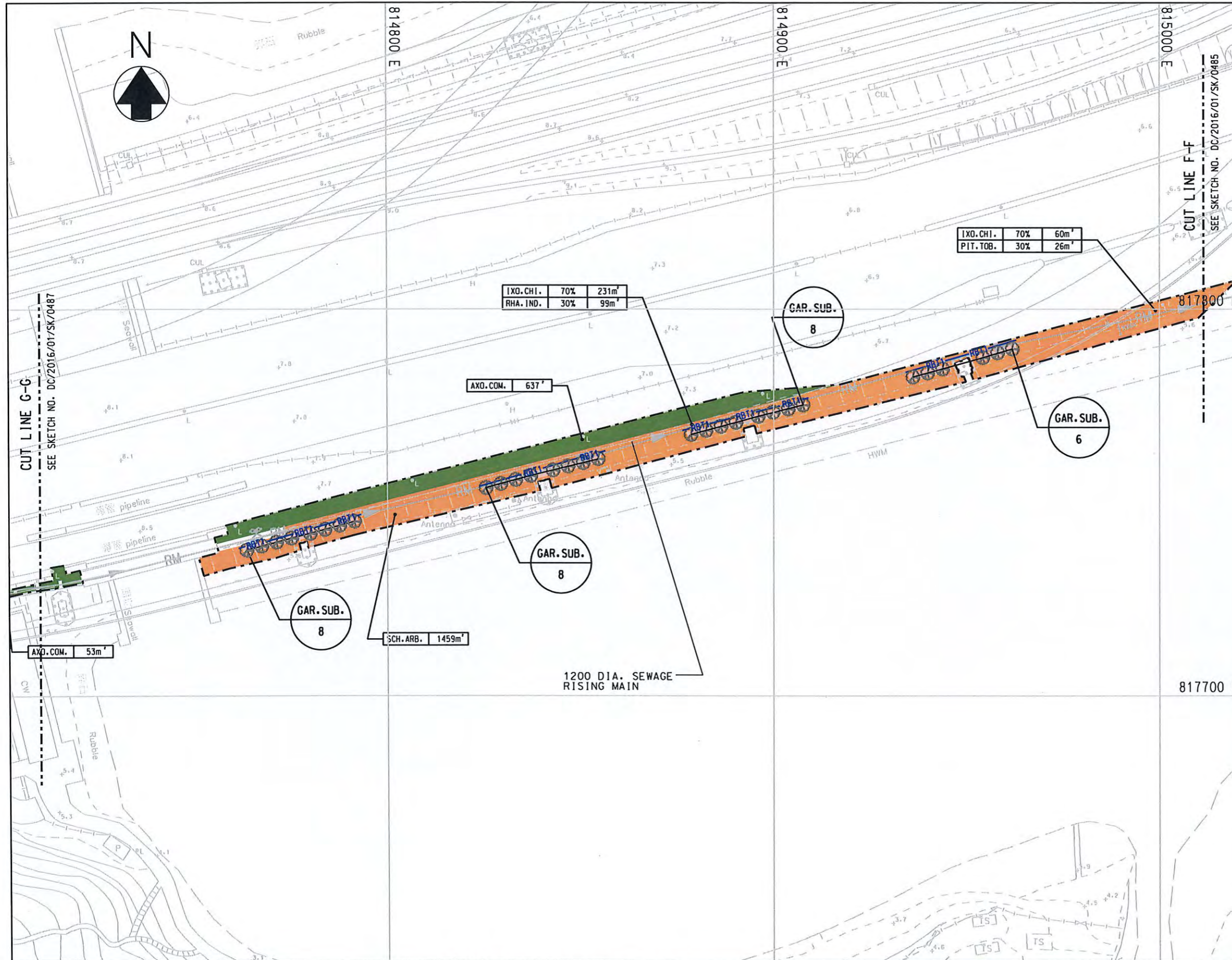
Project	CONTRACT NO. DC/2016/01 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS 建造東涌至小蠔灣額外污水泵喉及附屬工程
Title	PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 6 OF 8)

香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG
 SPECIAL ADMINISTRATIVE REGION
 DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED
 博達工程顧問有限公司

Drawn by	C F	Date	31/07/2019
Checked by	F P	Scale	A3 1 : 1000
Approved by	C L	Sketch no.	DC/2016/01/SK/0487
		Revision	K

Plot Date = 9/9/2020



- LEGEND:**
- LANDSCAPE LIMIT
 - RM RISING MAIN
 - PROPOSED SHRUB (600mm THK. SOIL-MIX FOR SHRUB PLANTING)
 - PROPOSED TREE AND SHRUB (1200mm THK. SOIL-MIX FOR TREE AND SHRUB PLANTING)
 - PROPOSED GRASS (450mm THK. SOIL-MIX FOR GRASS PLANTING)
 - PROPOSED TREE AND GRASS (1200mm THK. SOIL-MIX FOR TREE AND GRASS PLANTING)
 - RIA.E.C. 905.764
 - SPECIES AREA@sq.m
 - PROPOSED TREE. MAINTENANCE UNDERTAKEN BY LCSD
 - RBT1- RBT1- ROOT BARRIER (TYPE I)
 - RBT2- RBT2- ROOT BARRIER (TYPE II)

2565m²

Checked by
(Signature)
 (C.H. PANG)
 RE
 Approved by
(Signature)
 (C.S. LEUNG)
 SRE

- NOTES:**
- SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
 - THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
 - IN-SITU SOIL-MIX SHALL BE USED UNLESS OTHERWISE SPECIFIED.

Project CONTRACT NO. DC/2016/01
 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS
 建造東涌至小蠔灣額外污水泵喉及附屬工程

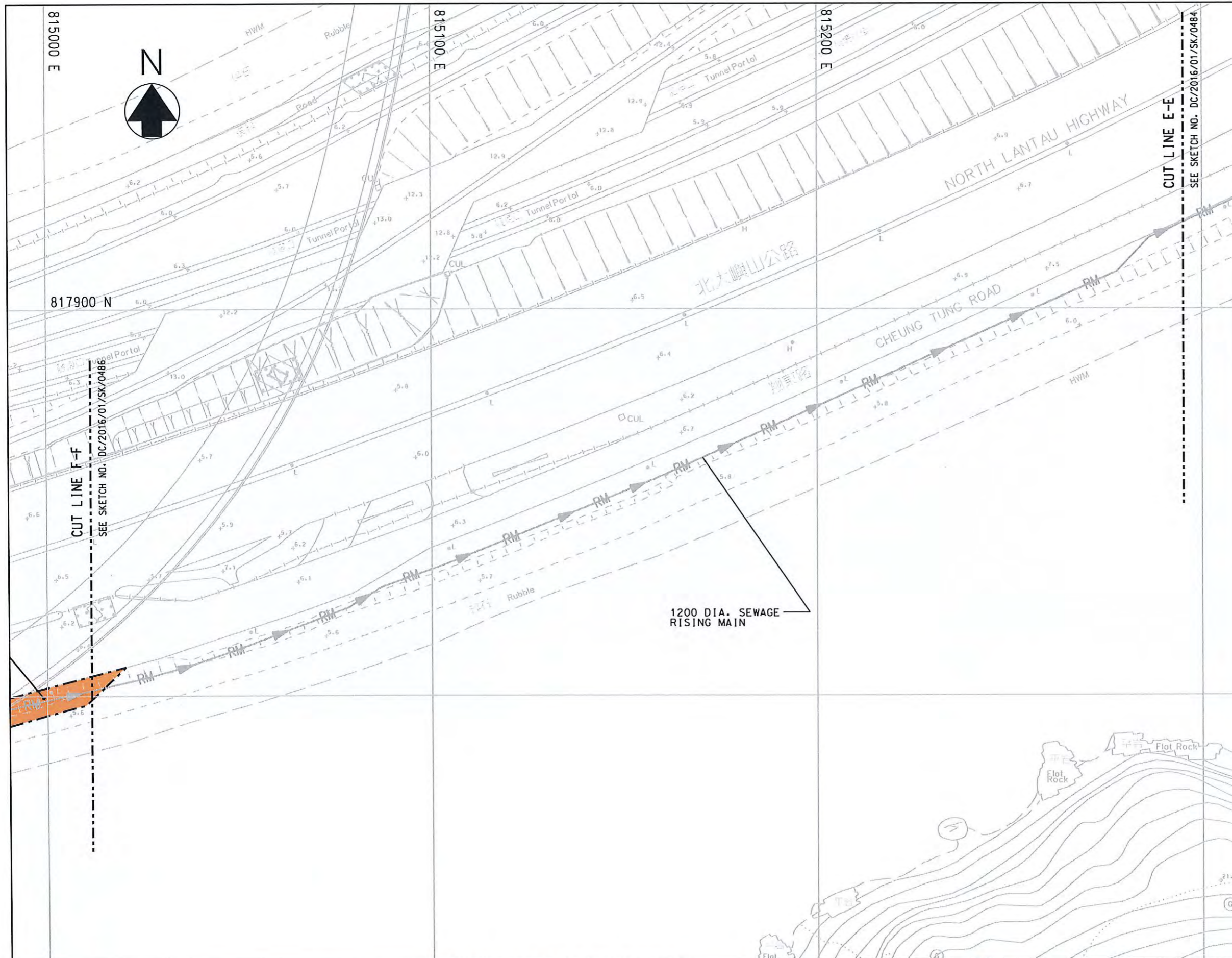
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD
 (SHEET 5 OF 8)

香港特別行政區政府渠務署
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BLACK & VEATCH HONG KONG LIMITED
 博威工程顧問有限公司

Drawn by	C F	Date	31/07/2019
Checked by	F P	Scale	A3 1 : 1000
Approved by	C L	Sketch no.	DC/2016/01/SK/0486
		Revision	H

Plot Date = 9/9/2020



- LEGEND:**
- LANDSCAPE LIMIT
 - RM RISING MAIN
 - PROPOSED SHRUB (600mm THK. SOIL-MIX FOR SHRUB PLANTING)
 - PROPOSED TREE AND SHRUB (1200mm THK. SOIL-MIX FOR TREE AND SHRUB PLANTING)
 - PROPOSED GRASS (450mm THK. SOIL-MIX FOR GRASS PLANTING)
 - PROPOSED TREE AND GRASS (1200mm THK. SOIL-MIX FOR TREE AND GRASS PLANTING)
- RIA.EXC. 905.78m²
SPECIES AREA(sq.m)
- PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD
- RBT1- RBT1- ROOT BARRIER (TYPE I)
 - RBT2- RBT2- ROOT BARRIER (TYPE II)

Checked by
(Signature)
 (C.H. PANG)
 RE

Approved by
(Signature)
 (C.S. LEUNG)
 SRE

NOTES:

- SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
- THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
- IN-SITU SOIL-MIX SHALL BE USED UNLESS OTHERWISE SPECIFIED.

Project CONTRACT NO. DC/2016/01
 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS
 建造東涌至小蠔灣額外污水泵喉及附屬工程

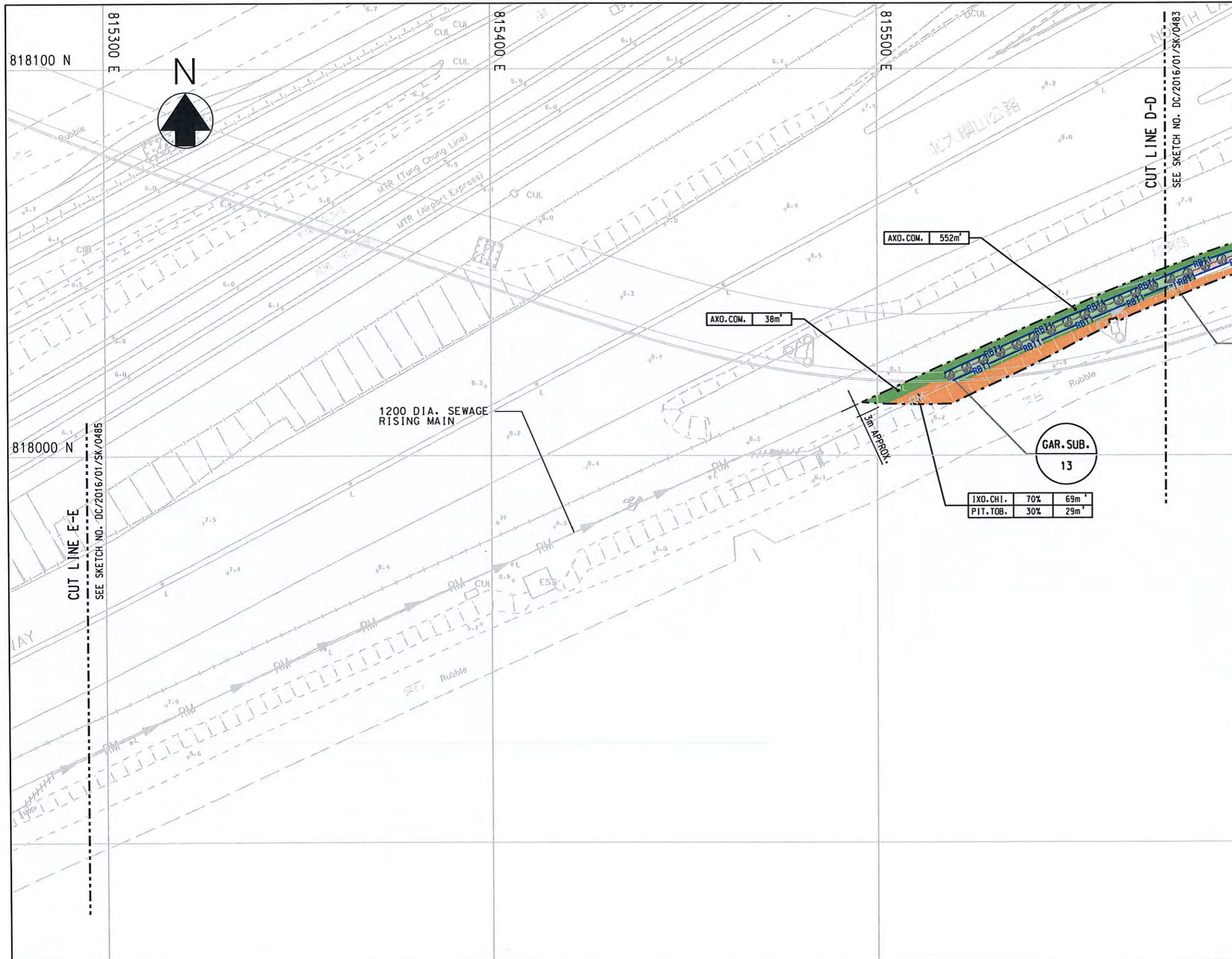
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 4 OF 8)

香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION
 DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED
 博威工程顧問有限公司

Drawn by	W T L	Date	31/07/2019
Checked by	F P	Scale	A3 1 : 1000
Approved by	C L	Sketch no.	DC/2016/01/SK/0485
		Revision	D

Plot Date = 9/9/2020



- LEGEND:**
- LANDSCAPE LIMIT
 - RM RISING MAIN
 - PROPOSED SHRUB (600mm THK. SOIL-MIX FOR SHRUB PLANTING)
 - PROPOSED TREE AND SHRUB (1200mm THK. SOIL-MIX FOR TREE AND SHRUB PLANTING)
 - PROPOSED GRASS (450mm THK. SOIL-MIX FOR GRASS PLANTING)
 - PROPOSED TREE AND GRASS (1200mm THK. SOIL-MIX FOR TREE AND GRASS PLANTING)
 - RMA, E.S.C. 905.78m
 - SPECIES AREA (sq.m)
 - PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD
 - CODE NOS.
 - RBT1- RBT1- ROOT BARRIER (TYPE I)
 - RBT2- RBT2- ROOT BARRIER (TYPE II)

688m²

IXO.CHI.	70%	69m ²
PIT.TOB.	30%	29m ²

Checked by
fpa
 (C.H. PANG)
 RE
 Approved by
[Signature]
 (C.S. LEUNG)
 SRE

- NOTES:**
- SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
 - THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
 - IN-SITU SOIL-MIX SHALL BE USED UNLESS OTHERWISE SPECIFIED.

Project CONTRACT NO. DC/2016/01
 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS
 建造東涌至小蠔灣額外污水泵喉及附屬工程

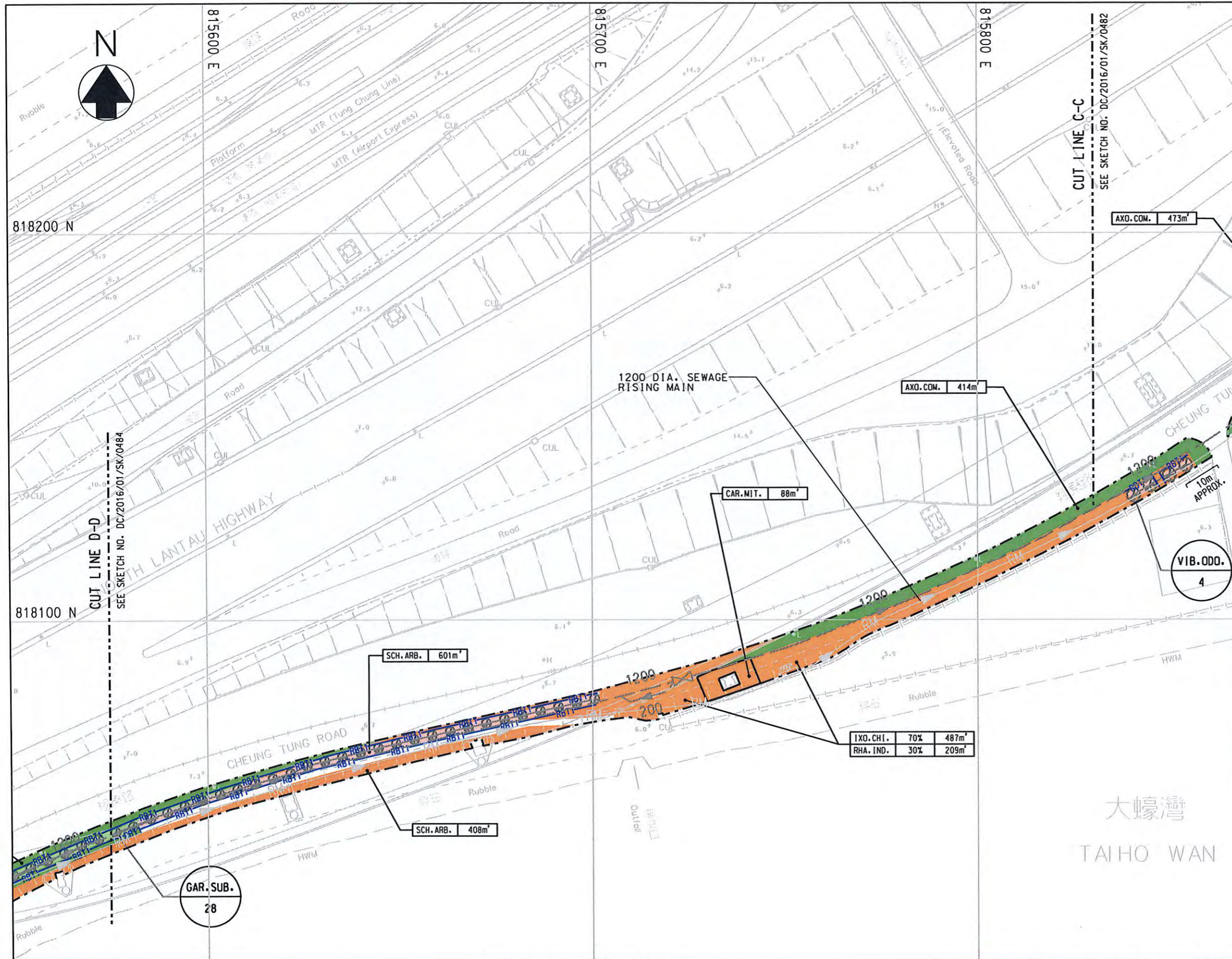
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 3 OF 8)

香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION
 DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED
 博威工程顧問有限公司

Drawn by	W T L	Date	31/07/2019
Checked by	F P	Scale	A3 1 : 1000
Approved by	C L	Sketch no.	DC/2016/01/SK/0484
		Revision	E

Plot Date = 9/9/2020



- LEGEND:**
- LANDSCAPE LIMIT
 - RM RISING MAIN
 - PROPOSED SHRUB (600mm THK. SOIL-MIX FOR SHRUB PLANTING)
 - PROPOSED TREE AND SHRUB (1200mm THK. SOIL-MIX FOR TREE AND SHRUB PLANTING)
 - PROPOSED GRASS (450mm THK. SOIL-MIX FOR GRASS PLANTING)
 - PROPOSED TREE AND GRASS (1200mm THK. SOIL-MIX FOR TREE AND GRASS PLANTING)
 - RHA. ETC. 905.74m²
SPECIES AREA (sq.m)
 - PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD
 - RBT1- RBT1- ROOT BARRIER (TYPE I)
 - RBT2- RBT2- ROOT BARRIER (TYPE II)

2207m²

Checked by
fan
 (C.H. PANG)
 RE
 Approved by
[Signature]
 (C.S. LEUNG)
 SRE

NOTES:

- SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
- THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
- IN-SITU SOIL-MIX SHALL BE USED UNLESS OTHERWISE SPECIFIED.

Project CONTRACT NO. DC/2016/01
 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS
 建造東涌至小蠔灣額外污水泵喉及附屬工程

Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 2 OF 8)

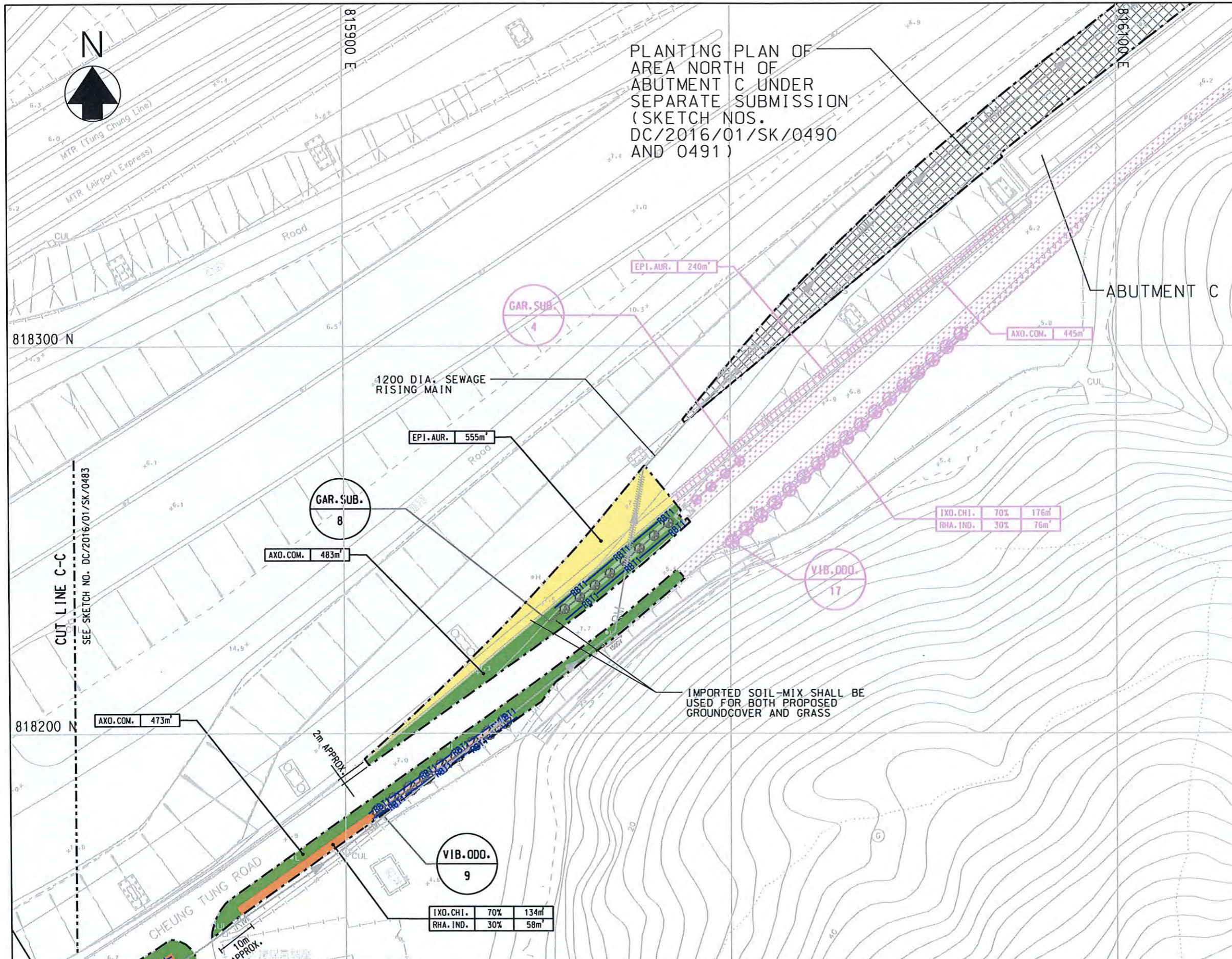
香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG
 SPECIAL ADMINISTRATIVE REGION
 DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED
 博威工程顧問有限公司

Drawn by	W T L	Date	31/07/2019
Checked by	F P	Scale	A3 1 : 1000
Approved by	C L	Sketch no.	DC/2016/01/SK/0483
		Revision	E

Plot Date = 9/9/2020

CAD Filename = Q:\Technical\TO\Site Sketch\SK483E.dgn



- LEGEND:**
- LANDSCAPE LIMIT
 - RM PROPOSED DN1200 RISING MAIN
 - RBT1-RBT1- ROOT BARRIER (TYPE I)
 - RBT2-RBT2- ROOT BARRIER (TYPE II)
 - ⊕ PROPOSED FINAL LOCATION OF TRANSPLANTED TREE. MAINTENANCE UNDERTAKEN BY LCSD

- HANDOVER BY DC/2016/01**
- PROPOSED GROUNDCOVER (450mm THK. SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
 - PROPOSED TREE AND SHRUB (1200mm THK. SOIL-MIX FOR TREE AND SHRUB PLANTING)
 - PROPOSED SHRUB (600mm THK. SOIL-MIX FOR SHRUB PLANTING)
 - PROPOSED TREE AND GRASS (1200mm THK. SOIL-MIX FOR TREE AND GRASS PLANTING)
 - PROPOSED GRASS (450mm THK. SOIL-MIX FOR GRASS PLANTING)
- RHA. EXC. 905.78m²
SPECIES AREA (sq.m)

PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD

CODE NOS.

1703m²

- HANDOVER BY HY/2012/07**
- PROPOSED GROUNDCOVER
 - PROPOSED SHRUB
 - PROPOSED GRASS
- RHA. EXC. 905.78m²
SPECIES AREA (sq.m)
- PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD (HANDOVER BY HY/2012/07)
- CODE NOS.

Checked by
Fia
(C.H. PANG)
RE

Approved by
[Signature]
(C.S. LEUNG)
SRE

- NOTES:**
- SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
 - THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
 - IN-SITU SOIL-MIX SHALL BE USED UNLESS OTHERWISE SPECIFIED.

Project CONTRACT NO. DC/2016/01
CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS
建造東涌至小蠔灣額外污水泵喉及附屬工程

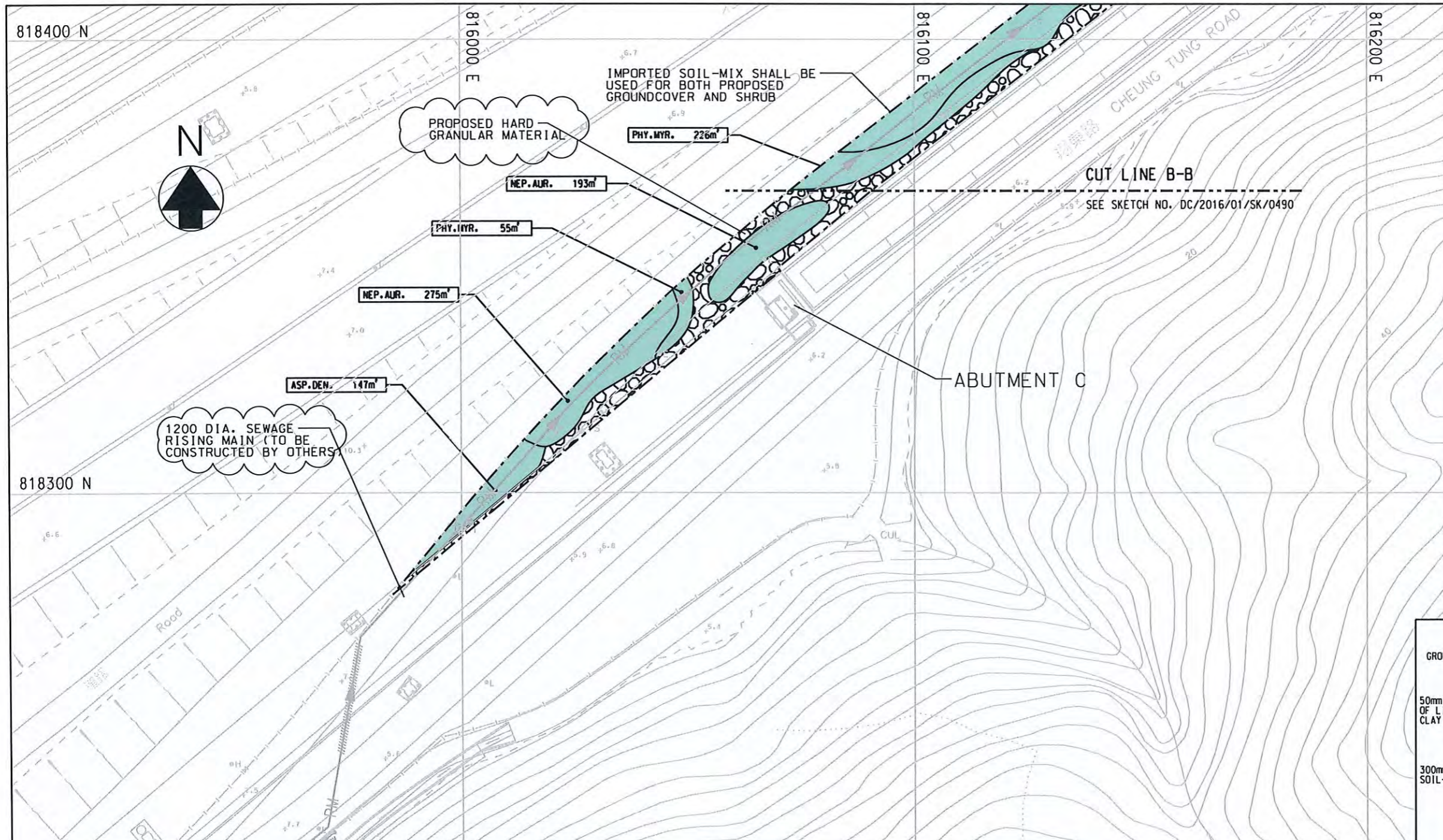
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 1 OF 8)

香港特別行政區政府渠務署
THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION
DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED
博威工程顧問有限公司

Drawn by	W T L	Date	31/07/2019
Checked by	F P	Scale	A3 1 : 1000
Approved by	C L	Sketch no.	DC/2016/01/SK/0482
		Revision	K

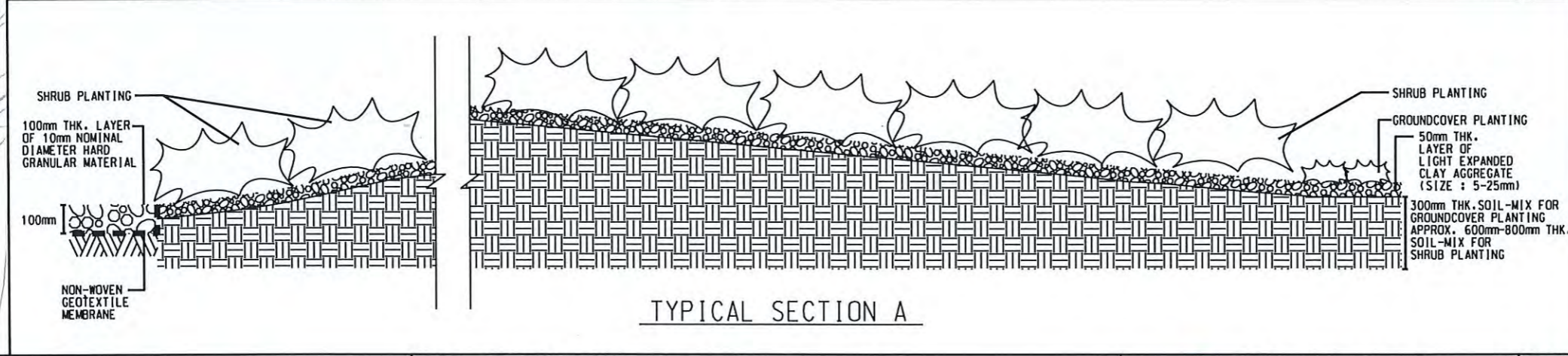
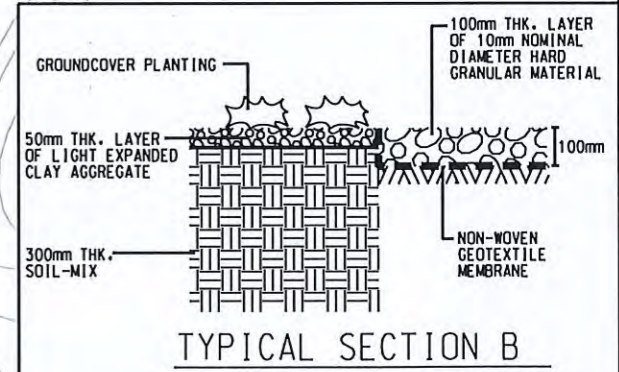
Plot Date = 9/9/2020



LEGEND:

- LANDSCAPE LIMIT
- RM RISING MAIN (TO BE CONSTRUCTED BY OTHERS)
- 5SE - D/F70 EXISTING SIMILAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
- PROPOSED GROUNDCOVER (300mm THK. SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
- PROPOSED SHRUB (600mm THK. MIN. SOIL-MIX FOR SHRUB PLANTING)
- RMA.E.C. 905.76m SPECIES AREA @ q.m
- PROPOSED TREE. MAINTENANCE UNDERTAKEN BY LCSD
- PROPOSED FINAL LOCATION OF TRANSPLANTED TREE. MAINTENANCE UNDERTAKEN BY LCSD

896m²



Checked by
(Signature)
 (C.H. PANG)
 RE

Approved by
(Signature)
 (C.S. LEUNG)
 SRE

NOTES:

1. THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
2. IMPORTED SOIL-MIX SHALL BE USED.

Project CONTRACT NO. DC/2016/01
 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS
 建造東涌至小蠔灣額外污水泵喉及附屬工程

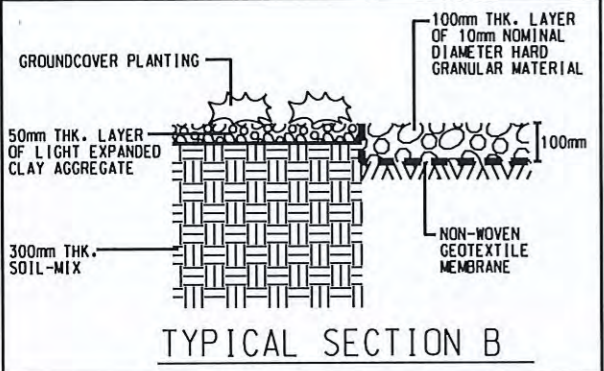
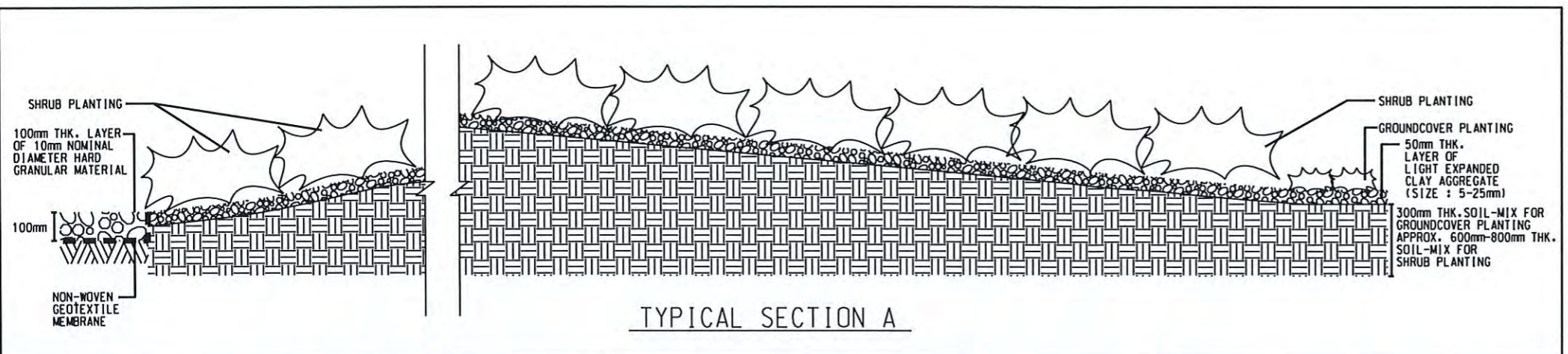
Title PLANTING PLAN FOR AREA NORTH OF ABUTMENT C
 (SHEET 2 OF 2)

香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION
 DRAINAGE SERVICES DEPARTMENT

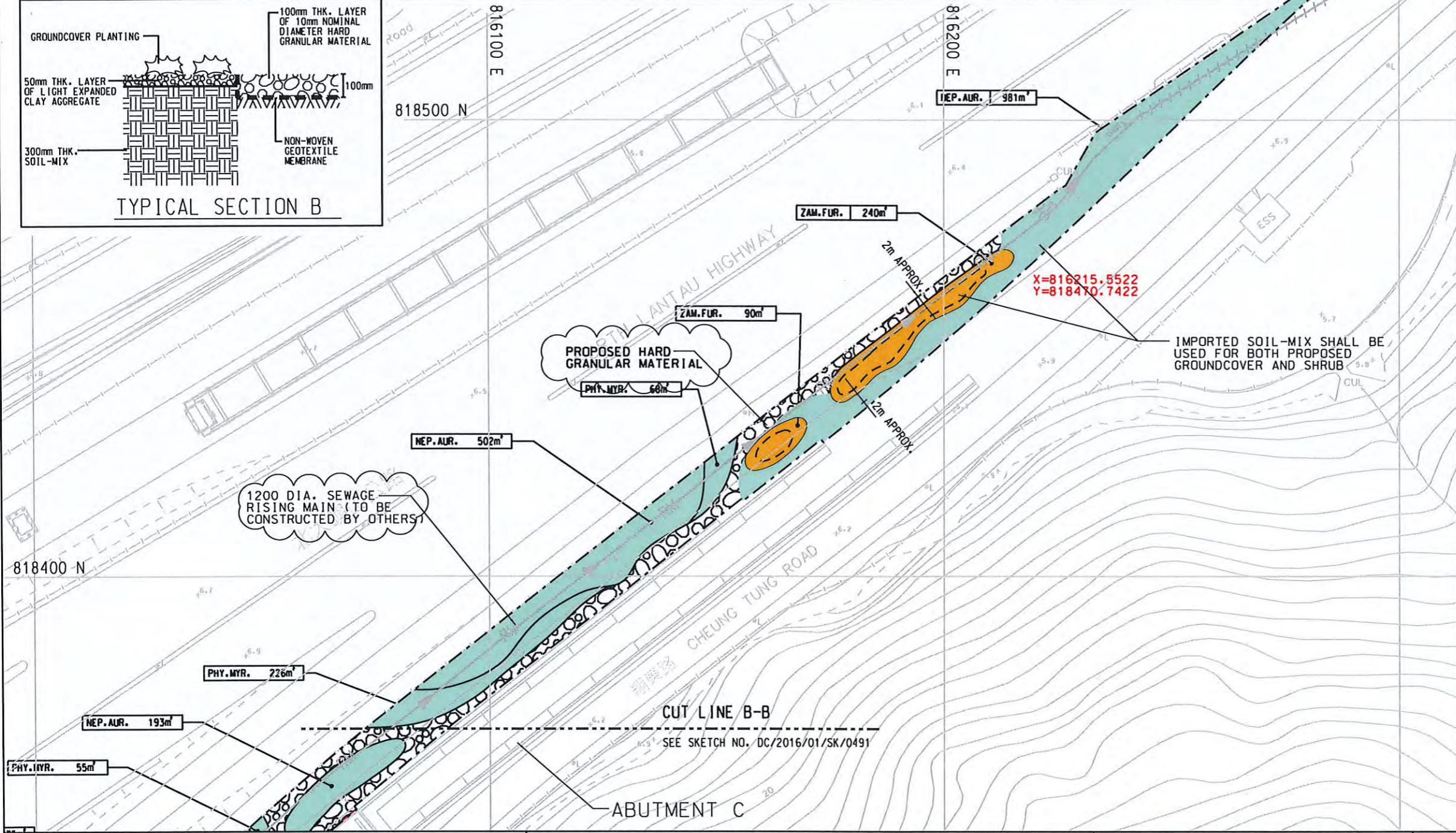
BLACK & VEATCH HONG KONG LIMITED
 博威工程顧問有限公司

Drawn by	P L	Date	03/07/2018
Checked by	F N T	Scale	A3 1 : 1000
Approved by	T C	Sketch no.	DC/2016/01/SK/0491
		Revision	D

Plot Date = 9/9/2020



- LEGEND:**
- LANDSCAPE LIMIT
 - RISING MAIN (TO BE CONSTRUCTED BY OTHERS)
 - 5SE - D/F70 EXISTING SIMILAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS
 - PROPOSED GROUNDCOVER (300mm THK. SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
 - PROPOSED SHRUB (600mm THK. MIN. SOIL-MIX FOR SHRUB PLANTING)
 - SPECIES AREA (sq.m)
 - PROPOSED TREE. MAINTENANCE UNDERTAKEN BY LCSD
 - PROPOSED FINAL LOCATION OF TRANSPLANTED TREE. MAINTENANCE UNDERTAKEN BY LCSD



1881m²

Checked by

 (C.H. PANG)
 RE
 Approved by

 (C.S. LEUNG)
 SRE

NOTES:

1. THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
2. IMPORTED SOIL-MIX SHALL BE USED.

Project CONTRACT NO. DC/2016/01
 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS
 建造東涌至小蠔灣額外污水泵喉及附屬工程

Title PLANTING PLAN FOR AREA NORTH OF ABUTMENT C (SHEET 1 OF 2)

香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION
 DRAINAGE SERVICES DEPARTMENT

BLACK & VEATCH HONG KONG LIMITED
 博威工程顧問有限公司

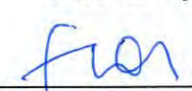
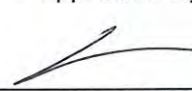
Drawn by	P L	Date	03/07/2018
Checked by	F N T	Scale	A3 1 : 1000
Approved by	T C	Sketch no.	DC/2016/01/SK/0490
		Revision	E

Plot Date = 9/9/2020

PLANTING SCHEDULE FOR CHEUNG TUNG ROAD (UNDER MAINTENANCE OF LCSD)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	%MIX.	QUANTITY (APPROX. NOS.)	REMARK
TREE PLANTING								
GAR.SUB.	Garcinia subelliptica	非洲福木	Light Standard	4000-5000	-	-	79	-
BAU.BLA	Bauhinia x blakeana	洋紫荊	Heavy Standard	5000	-	-	1	-
PEL.TON.	Peltophorum tonkinense	銀珠	Heavy Standard	5000	-	-	2	-
VIB.ODO.	Viburnum odoratissimum	珊瑚樹	Heavy Standard	5000	-	-	76	-
PALM PLANTING - EXOTIC								
ARE.CAT	Areca catechu	檳榔	4000(H)	4000	-	-	28	-
GROUND COVER PLANTING								
EPI.AUR.	Epipremnum aureum	綠蘿	200(H) x 300(S)	300	12.54	-	6264	-
SHRUB PLANTING								
IXO.CHI.	Ixora chinensis	龍船花	300(H) x 300(S)	300	12.54	-	19482	PLANT ALL SPECIES IN STAGGERED PATTERN.
PHY.MYR.	Phyllanthus myrtifolius	錫蘭葉下珠	300(H) x 300(S)	300	12.54	-	8949	
CAR.MIT.	Caryota mitis	短穗魚尾葵	2500(H),min 4 clumps pre plant	750	1.95	-	137	
SCH.ARB.	Schefflera arboricola	八葉	300(H) x 300(S)	300	12.54	-	27819	
COD.VAR.'AUC'	Codiaeum variegatum 'aucubaefolium'	灑金榕	300(H) x 300(S)	300	12.54	-	161	
COD.VAR.'RED'	Codiaeum variegatum 'red'	灑金榕 (紅色)	300(H) x 300(S)	300	12.54	-	1104	
PIT.TOB.	Pittosporum tobira	海桐花	300(H) x 300(S)	300	12.54	-	552	
RHA.IND.	Rhaphiolepis indica	車輪梅	300(H) x 300(S)	300	12.54	-	6862	
GRASS PLANTING								
AXO.COM.	Axonopus compressus	地毯草 (大葉草)	WHOLE PIECE TURF 300(L) x 300(W) x 50(H)	-	m ²	-	3548	25mm HIGH SWORD AND 25mm SOIL BASE OF TURF

NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING NOS. DC/2016/01/SK/0482 TO DC/2016/01/SK/0489.



Checked by

(C.H. PANG) RE
Approved by

(C.S. LEUNG) SRE



Project CONTRACT NO. DC/2016/01 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS 建造東涌至小蠔灣額外污水泵喉及附屬工程		Drawn by	Date
		W T L	28/11/2019
		F P	Scale SCHEDULE
Title PLANTING SCHEDULE FOR CHEUNG TUNG ROAD (LCSD)	 BLACK & VEATCH HONG KONG LIMITED 博威工程顧問有限公司	Approved by C L	Sketch no. DC/2016/01/SK/0343 Revision E

PLANTING SCHEDULE FOR AREA NORTH OF ABUTMENT C (UNDER MAINTENANCE OF LCSD)								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	%MIX.	QUANTITY (APPROX. NOS.)	REMARK
SHRUB PLANTING								
ZAM.FUR.	Zamia furfuracea	牙買加蘇鐵	400(H) x 500 (S)	500	4.6	-	1366	PLANT IN STAGGERED PATTERN.
PHY.MYR.	Phyllanthus myrtifolius	錫蘭葉下珠	300(H) x 300 (S)	300	12.54	-	3939	
GROUNDCOVER PLANTING								
ASP.DEN.	Asparagus densiflorus	非洲天門冬	200(H) x 300 (S)	200	29	-	3837	PLANT ALL SPECIES IN STAGGERED PATTERN.
NEP.AUR.	Nephrolepis auriculate	腎蕨	250(H) x 250 (S)	150	51.59	-	90587	

NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING NOS. DC/2016/01/SK/0490 TO DC/2016/01/SK/0491.

Checked by  (C.H. PANG) RE
Approved by  (C.S. LEUNG) SRE

<table border="1"> <tr> <td>B</td> <td>QUANTITY REVISED</td> </tr> <tr> <td>A</td> <td>NOTE REVISED</td> </tr> <tr> <td>REV</td> <td>DESCRIPTION</td> </tr> </table>	B	QUANTITY REVISED	A	NOTE REVISED	REV	DESCRIPTION	Project CONTRACT NO. DC/2016/01 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS 建造東涌至小蠔灣額外污水泵喉及附屬工程	 香港特別行政區政府渠務署 THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION DRAINAGE SERVICES DEPARTMENT	Drawn by W T L Date 28/11/2019
	B	QUANTITY REVISED							
	A	NOTE REVISED							
REV	DESCRIPTION								
Title PLANTING SCHEDULE FOR AREA NORTH OF ABUTMENT C (LCSD)	 BLACK & VEATCH HONG KONG LIMITED 博威工程顧問有限公司	Checked by F P Scale SCHEDULE							
		Approved by C L Sketch no. DC/2016/01/SK/0347 Revision B							

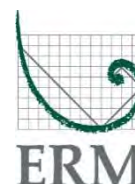
Planting Area under Contract HY/2012/07 (Zone 2)

11 November 2021

Our ref: 0463091_90_Establishment L&V Checklist (Portion XXII) Sept-Nov 21.docx

By email

Mr Brian Tam
Independent Environmental Checker
Ramboll Hong Kong Limited
21/F, BEA Harbour View Centre
56 Gloucester Road, Wan Chai, Hong Kong



Dear Sir,

**Contract No. HY/2017/10
Tuen Mun - Chek Lap Kok Link - Northern Connection Tunnel Buildings,
Electrical and Mechanical Works**

**Reporting of Landscape Planting Works for Portion XXII during the
24-month Establishment Period (September to November 2021)**

In accordance with *Section 7.3.1.2 of the Updated EM&A Manual*, we are pleased to provide you with the *Establishment Landscape Monitoring Checklist for September to November 2021* for your perusal and counter-signature.

Should you require any further information or clarification please do not hesitate to contact the undersigned.

Yours faithfully
For ERM-Hong Kong, Ltd

Dr Jasmine Ng
Environmental Team Leader

Direct Tel: (852) 2271 3311
E-mail: jasmine.ng@erm.com

C.c.
AECOM (Attn: Mr Desmond Fung)
GCL (Attn: Ms Phoebe Ng)

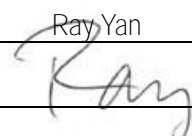


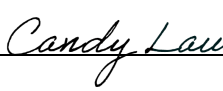
Inspection Date: 8th November 2021 Inspected By: Ray Yan
 Time: 9:45 a.m. Weather Condition: Sunny
 Participants: Sue Kei (AECOM); Agnes Wong (Gammon); Theo Chan (Ramboll); Sophie Szeto (ERM)

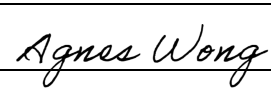
		N/A or not observed	Yes	No	Remarks / Photo
1	Zone: Area along Cheung Tung Road				
1.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.3	Are trees or limb overhanging branches pruned?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.5	Are litter and debris removed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.9	Are the planting species on site matched with the approved planting plans? Consolidated planting schedule in Annex B.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Good	Fair	Poor	
1.10	Overall health condition of the plants?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Zone: Southern Landfall, HKBCF				
2.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.3	Are trees or limb overhanging branches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.5	Are litter and debris removed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Obs. 1
2.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.9	Are the planting species on site matched with the approved planting plans? Consolidated planting schedule in Annex B.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
		Good	Fair	Poor	
2.10	Overall health condition of the plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

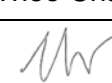
		N/A or not observed	Establishment		Inspection Checklist Remarks / Photo
			Yes	No	
3	Zone: Area within Expressway Boundary				
3.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.3	Are trees or limb overhanging branches pruned?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.5	Are litter and debris removed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9	Are the planting species on site matched with the approved planting plans? Consolidated planting schedule in Annex B.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Good	Fair	Poor	
3.10	Overall health condition of the plants?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Zone: Slopes outside Expressway Boundary				
4.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3	Are trees or limb overhanging branches pruned?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.5	Are litter and debris removed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.9	Are the planting species on site matched with the approved planting plans? Consolidated planting schedule in Annex B.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Good	Fair	Poor	
4.10	Overall health condition of the plants?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	General Document				
5.1	Are the records of watering, fertilizing, weeding, pruning and mowing kept for checking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Follow-up actions for previous Site Audit: Follow-up actions taken for the observations as recorded during last landscape monitoring conducted on 10 August 2021: i) Planting of <i>Zephyranthes rosea</i> , on the bare ground in the vicinity of F13 (pier mark) was completed. (see <i>Follow-up action 1</i>); and ii) The tree, <i>Plumeria rubra</i> , planted in the vicinity of E14-A (pier mark) was in wilting. Tree re-planting works would be undertaken within November 2021 in accordance with the latest planting plan. (see <i>Follow-up action 2 & Observation 1</i>)
Observations: Obs. 1: The tree, <i>Plumeria rubra</i> , planted in the vicinity of E14-A (pier mark) was in wilting. Tree re-planting works would be undertaken within November 2021 in accordance with the latest planting plan.
Corrective Actions (if any): • Tree(s) requiring re-planting works should be undertaken within November 2021.
General Conclusion: Total number of trees planted: 275 (Zone 2). Planting area (Zone 2): 4.71 ha (based on the survey data provided by the SOR).

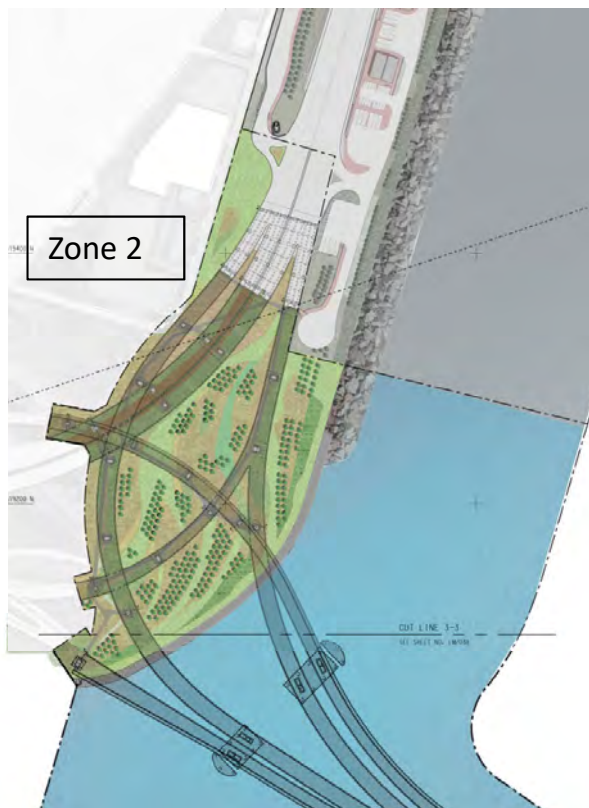
Inspected by
(ET's Representative): Ray Yan Title: Deputy Environmental Team Leader
Signature:  Date: 9 November 2021

Reviewed by
(RSS Landscape Representative): Candy Lau Title: Senior Resident Landscape Architect
Signature:  Date: 11 November 2021

Contractor's
Representative: Agnes Wong Title: Sr Horticultural Inspector
Signature:  Date: 9 November 2021

Checked by
(IEC's Representative): Theo Chan Title: Assistant Environmental Consultant
Signature:  Date: 11 November 2021

Location	Photo	Information
Zone 2		<p>Date: 8 November 2021</p> <p>Follow-up action 1: Planting of <i>Zephyranthes rosea</i>, on the bare ground in the vicinity of F13 (pier mark) was completed.</p> <p>Species: <i>Zephyranthes rosea</i></p>
Zone 2		<p>Date: 8 November 2021</p> <p>Follow-up action 2 (Observation 1): The tree, <i>Plumeria rubra</i>, planted in the vicinity of E14-A (pier mark) was in wilting. Tree re-planting works would be undertaken within November 2021 in accordance with the latest planting plan.</p> <p>Species: <i>Plumeria rubra</i></p>



Contract No. HY/2017/10
TUEN MUN-CHEK LAP KOK LINK
- NORTHERN CONNECTION TUNNEL BUILDINGS,
ELECTRICAL AND MECHANICAL WORKS

ZONING PLAN – LANDSCAPE WORKS MONITORING (ESTABLISHMENT WORKS)

Note: Planting works were completed under Contract No. HY/2012/07.

Monitoring of the establishment works continue under Contract No. HY/2017/10.

Annex B

PLANTING SCHEDULE FOR SOUTHERN LANDFALL								
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)	NO./m ²	QUANTITY (NOS.)	REMARK	HKIA APPROVED IN ZONE
TREE PLANTING - EXOTIC								
GRE.ROB.	<i>Grevillea robusta</i>	銀樺	HEAVY STANDARD TREE	4000-5000	-	42	-	2
PLU.RUB.	<i>Plumeria rubra</i>	雞蛋花	HEAVY STANDARD TREE	4000-5000	-	233	MIN. 2000mm HEIGHT	2
SHRUB PLANTING								
RUS.EQU.	<i>Russelia equisetiformis</i>	爆仗竹	300(H) x 300(S)	250	18.4	350	-	1, 2
GROUNDCOVER PLANTING								
LAN.MON.	<i>Lantana montevidensis</i>	鋪地臭金鳳	200(H) x 200(S)	250	18.4	242383	REGULAR PRUNING TO MAINTAIN DENSE LOW CANOPY.	1, 2
TRA.SPA.	<i>Tradescantia spathacea</i>	蚌花	200(H) x 300(S)	250	18.4	15695	-	1, 2
OPH.JAP.	<i>Ophiopogon japonicus</i>	麥冬	150(H) x 200(S)	200	29	205813	-	1, 2
SYN.POD.	<i>Syngonium podophyllum</i>	白蝴蝶	100(H) x 200(S)	200	29	68614	-	1, 2
ZEP.ROS.	<i>Zephyranthes rosea</i>	玫瑰蔥蓮	100(H) x 200(S)	150	51.59	72278	-	1, 2
IPO.PES.	<i>Ipomoea pes-caprae</i>	海灘牽牛	200(H) x 200(S)	200	29	42311	-	1, 2
CLIMBER PLANTING								
MON.DEL.	<i>Monstera deliciosa</i>	龜背竹	MIN. 5 SHOOTS PER PLANT, 300mm LONG	500	4.6	239	-	1, 2
GRASS PLANTING								
ZOY.JAP.	<i>Zoysia japonica</i>	朝鮮草	300(L)x300(W)x50(H)	Area	-	10041 sq.m	REGULAR CUTTING TO PREVENT SEED HEAD PRODUCTION. WHOLE PIECE TURF (300x300x50)mm, 25mm HEIGHT SWORD AND 25mm SOIL BASE OF TURF.	1, 2
HYDROSEEDING								
HYDROSEEDING	HYDROSEEDING	噴草	-	-	-	200 sq.m	GRASS SEED AS CEDD GENERAL SPECIFICATION 3.26(3)	1, 2

NOTES:

1. THE PLANT SPECIES ALLOWED FOR PLANTING IN EACH ZONE STATED IN THE HONG KONG INTERNATIONAL AIRPORT (HKIA) APPROVED PLANT SPECIES LIST (Revision. 4.0.1: October 2015).
2. SHRUB / GROUNDCOVER / CLIMBER SHOULD BE PLANTED IN A STAGGERED PATTERN.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING NOS. 60240249/C1/1741Z AND 60240249/C1/1751Z.



REV.	DATE	DESCRIPTION	DRAWN	PREP.	APP.
-	27/03/20	PLANTING SCHEDULE FOR SOUTHERN LANDFALL	AW	GH	CL
CLIENT					
 HIGHWAYS DEPARTMENT 路政署 港珠澳大橋香港工程管理有限公司 Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office					
 AECOM Imagine it. Delivered.					
PROJECT					
TUEN MUN - CHEK LAP KOK LINK					
CONTRACT NO.					
HY/2012/07					
CONTRACT TITLE					
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION					
TITLE					
PLANTING SCHEDULE FOR SOUTHERN LANDFALL					
DRAWING REFERENCE					SCALE
NEW DRAWING					N. T. S.
DRAWN	PREPARED	APPROVED			
AW	GH	CL			
SKETCH NO.					REV.
SK0555					-



Photo 1: (A): *Plumeria rubra* within Zone 2
 (Taken on: 8 November 2021)



Photo 2: (A): *Plumeria rubra*; and (B): *Grevillea robusta* within Zone 2
 (Taken on: 8 November 2021)

Source: P:\Projects\0463091 Gammon Construction Limited Gammon TMCLKL
 North Tunnel.JT\08_Site Audit\05_L&V establishment period
 checklist\01_Portion XXII\04_Sep-Nov 21

Date: 09/11/21

**Environmental
 Resources
 Management**

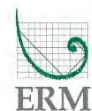




Photo 3: (A): *Grevillea robusta* within Zone 2
(Taken on: 8 November 2021)



Photo 4: (A): *Plumeria rubra* within Zone 2
(Taken on: 8 November 2021)

Source: P:\Projects\0463091 Gammon Construction Limited Gammon TMCLKL
North Tunnel.JT\08_Site Audit\05_L&V establishment period
checklist\01_Portion XXII\04_Sep-Nov 21

Date: 09/11/21

**Environmental
Resources
Management**

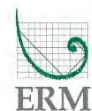




Photo 5: (A): *Plumeria rubra* within Zone 2
(Taken on: 8 November 2021)



Photo 6: (A): *Plumeria rubra*; and (B): *Grevillea robusta* within Zone 2
(Taken on: 8 November 2021)

Source: P:\Projects\0463091 Gammon Construction Limited Gammon TMCLKL
North Tunnel\JT\08_Site Audit\05_L&V establishment period
checklist\01_Portion XXII\04_Sep-Nov 21

Date: 09/11/21

**Environmental
Resources
Management**

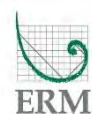




Photo 7: (A): *Plumeria rubra* within Zone 2
(Taken on: 8 November 2021)



Photo 8: (A): *Zephyranthes rosea* within Zone 2
(Taken on: 8 November 2021)

Source: P:\Projects\0463091 Gammon Construction Limited Gammon TMCLKL
North Tunnel.JT\08_Site Audit\05_L&V establishment period
checklist\01_Portion XXII\04_Sep-Nov 21

Date: 09/11/21

**Environmental
Resources
Management**

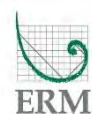




Photo 9: (A): *Syngonium podophyllum* within Zone 2
(Taken on: 8 November 2021)



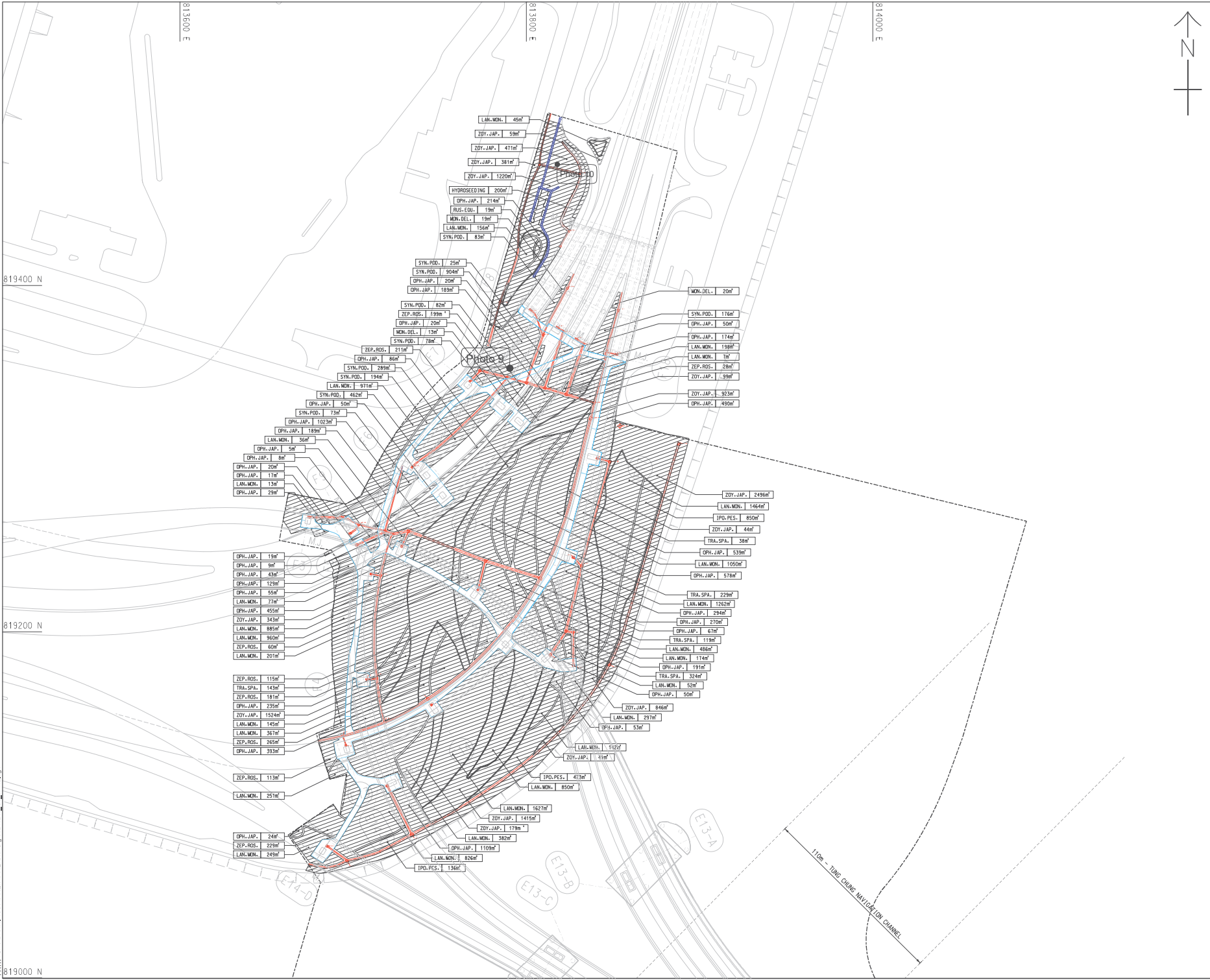
Photo 10: (A): *Zoysia japonica* within Zone 2
(Taken on: 8 November 2021)

Source: P:\Projects\0463091 Gammon Construction Limited Gammon TMCLKL
North Tunnel.JT\08_Site Audit\05_L&V establishment period
checklist\01_Portion XXII\04_Sep-Nov 21

Date: 09/11/21

**Environmental
Resources
Management**





- NOTES:**
1. THE PROPOSED PLANTING SPECIES AND ARRANGEMENT ON THE SOUTHERN LAND SHALL FOLLOW THE GUIDELINES IN HONG KONG INTERNATIONAL AIRPORT APPROVED PLANT SPECIES LIST (REVISION 3, 11 JUNE 2007), AS ATTACHED IN ER AREA 4.
 2. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. 60240249/C1/1741 TO 1746 AND 1771.

- LEGEND:**
- SITE BOUNDARY
 - AS-BUILT U-Channel
 - AS-BUILT MAINTENANCE ACCESS
 - AS-BUILT MAINTENANCE FOOTPATH
 - AS-BUILT SHRUB PLANTING
 - AS-BUILT ENGINEERING LAYOUT-VIADUCT
 - PIER MARK
 - RHA, EXC. 905.78 m²
 - SPECIES AREA (sq.m)
 - 10%W - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

Z	NOV/19	AS-CONSTRUCTED	OWN
REV.	DATE	DESCRIPTION	CAUSE

CLIENT

路政署 HIGHWAYS DEPARTMENT
 港務局大橋及橋樑工程處
 Hong Kong - Zhuhai - Macao Bridge
 Hong Kong Project Management Office

AECOM Imagine it. Delivered.

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HY/2012/07

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION

TITLE
SHRUB PLANTING PLAN

STATUS
 AS-BUILT DRAWING

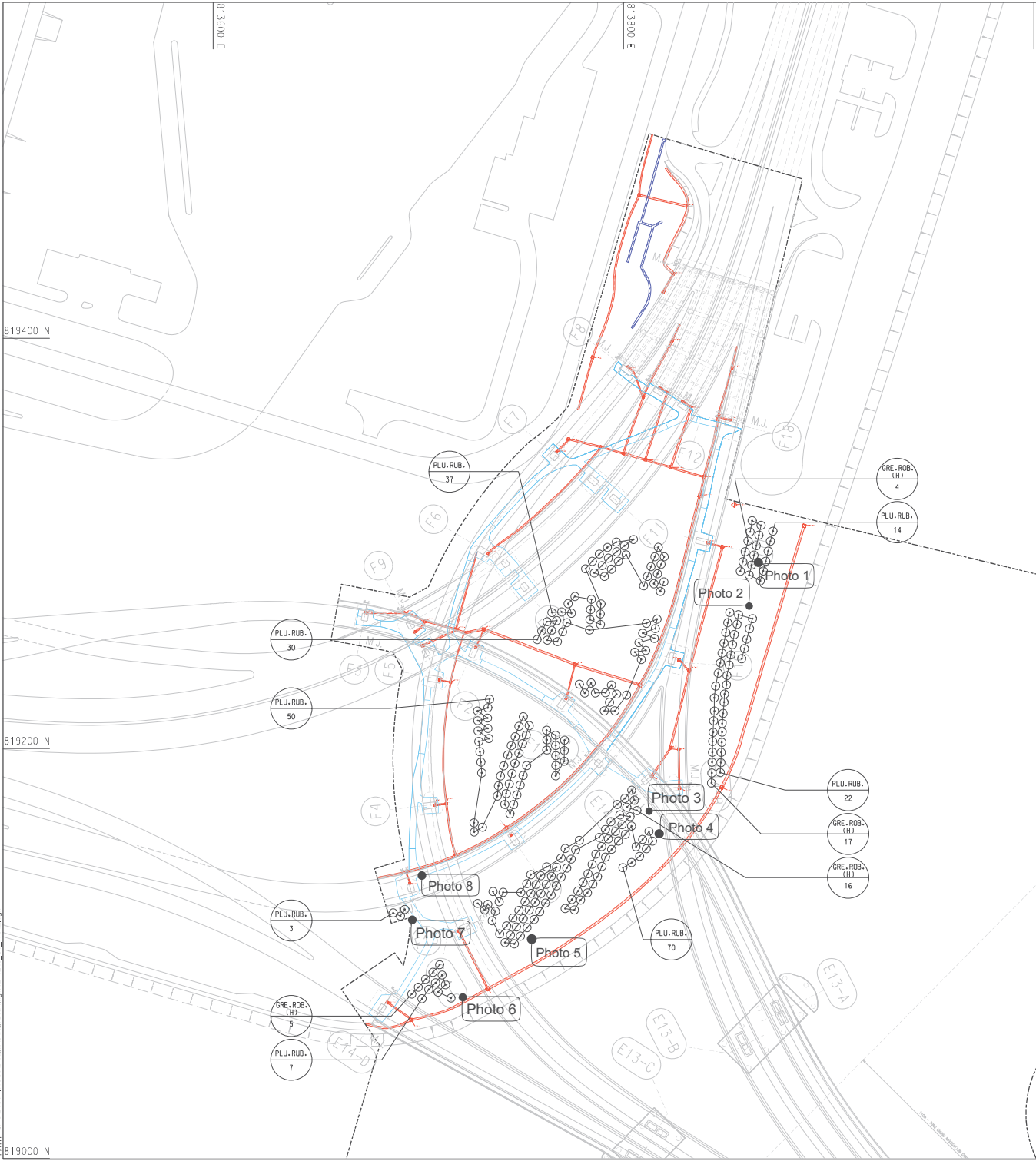
SCALE
 1:1000 (A1)
 1:2000 (A3)

DRAWN GC	PREPARED GH	APPROVED CL
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DRAWING NO.
 60240249/C1/1741

SHEET 1 OF 6

Plot File: brt001_21_140130
 PATH: K:\CADDRAWING\SSA\shrub\AECOM\Drawing\60240249_C1_1741Z.dgn



GENERAL NOTES FOR LANDSCAPE WORKS:

- GENERAL INFORMATION**
THESE DRAWINGS INTEND TO SHOW SOFT LANDSCAPE TREATMENT ONLY. FOR SETTING OUT AND STRUCTURAL DESIGNS, REFER TO ENGINEERING DRAWINGS. FOR CONTRACTOR OF ALL ENGINEERING WORKS INCLUDING ROADWAYS, BRIDGES AND UTILITIES, REFER TO ENGINEERING DRAWINGS. THE CONTRACTOR SHALL REPORT TO THE SUPERVISING OFFICER IMMEDIATELY FOR ANY DISCREPANCY BETWEEN THE ENGINEERING AND LANDSCAPE DRAWINGS.
- DRAWING DIMENSIONS**
ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- EXISTING TREES / VEGETATION**
THE CONTRACTOR SHALL PROTECT ALL TREES TO BE RETAINED ON SITE AS STIPULATED IN ER PART 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTATING EXISTING / RETAINED VEGETATION AFFECTED BY THE CONSTRUCTION WORKS.
- TREE FELLING**
NO TREES SHALL BE FELLED OR REMOVED WITHOUT DLO APPROVAL.
- GROUND PREPARATION WORKS**
GROUND PREPARATION WORKS SHALL BE CARRIED OUT TO ALL AREAS (EXCEPT SLOPE AREA) TO BE PLANTED AS SPECIFIED.
- SOIL MIX AND SOIL CONDITIONER**
SOIL MIX SHALL CONSIST OF FRIABLE COMPLETELY DECOMPOSED GRANITE AND SOIL CONDITIONER IN THE PROPORTIONS 3:1 BY VOLUME AND SHALL BE FREE FROM DELETERIOUS MATERIALS AS SPECIFIED IN CLAUSE 3.30 AND 3.31 OF ER PART 14.
- MULCHING**
TREE PLANTING AND SHRUB AREAS SHALL BE MULCHED TO A DEPTH OF 50mm. FINISH LEVEL OF MULCH SHALL BE 20MM BELOW ADJACENT FINISHED SURFACES, AND COMPLY WITH CLAUSE 3.32 OF ER PART 14.
- PLANT NAME**
BOTANICAL NAME SHALL TAKE PRECEDENCE TO ENGLISH AND CHINESE NAME.
- PLANTING PATTERN**
ALL PLANTS ARE TO BE PLANTED IN STAGGERED PATTERN AT SPACING INDICATED IN THE SCHEDULE. CLIMBING PLANTS SHALL BE PLANTED AGAINST SUPPORTING STRUCTURE.
- TREE PLANTING**
LOCATIONS OF TREES ARE SHOWN ON THE DRAWINGS. SPACING INDICATED IN THE PLANT SCHEDULE IS INDICATIVE. TREES SHALL BE LOCATED TO AVOID ANY UNDERGROUND UTILITIES. ALL SOIL LEVELS SHALL BE SURVEYED AND VERIFIED PRIOR TO COMMENCEMENT OF PLANTING.
- STAKING**
BAMBOO STAKES SHALL BE USED FOR ALL TREES EXCEPT WHIPS AS SPECIFIED IN G.S. 3.36. TREE TRUNKS SHALL BE PROTECTED BY USING RUBBER HOLES, PROTECTIVE SLEEVING OR SIMILAR, AND SHALL BE LOOSENED TWICE A YEAR.
- DRAINAGE**
ALL PLANTING AREA AND DRAINAGE DETAILS SHALL REFER TO ENGINEERING DRAWINGS.
- UNDERGROUND UTILITIES**
UTILITY COVERS SERVICES SHOWN ON THE PLANS ARE INDICATIVE. EXACT LOCATIONS TO BE CONFIRMED BY THE SO. NO TREES SHALL BE PLANTED WITHIN 1m OF A MANHOLE OR DRAINAGE U-CHANNEL. THERE SHALL BE NO PLANTING WITHIN THE SPACE OF 1.5m AROUND THE COVER OF ANY HYDRANT VALVE OR THE COVER OF ROAD'S VALVES, OR WITHIN A DISTANCE OF 1M FROM ANY HYDRANT OUTLET. NO TREES SHALL BE PLANTED WITHIN 2M OF A ROAD KERB OR ENGINEERING STRUCTURE.
- WATER**
THE CONTRACTOR SHALL PROVIDE ADEQUATE WATERING TO ALL PLANTED AREAS AS SPECIFIED IN G.S. 3.94 - WATERING.
- ESTABLISHMENT WORKS**
ALL PLANTED MATERIAL SHALL BE MAINTAINED AFTER PLANTING FOR A PERIOD AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- PLANTING AREA**
 - ALL PLANTING AREAS ARE BACKFILLED WITH 1.2m COMPACTED DEPTH OF SOIL MIX.
 - ALL EDGES OF PLANTING AREA AT ROADWAYS ARE GRANITE KERBS IN ACCORDANCE WITH DETAILS.
 - ALL EDGES OF PLANTING AREA ADJACENT TO PATHWAY ARE 40MM BELOW ADJACENT PAVEMENT AND IN ACCORDANCE WITH THE DETAILS.
 - ALL SOIL LEVELS ARE SURVEYED AND VERIFIED PRIOR TO COMMENCEMENT OF PLANTING. ALL PLANTING WORK ARE DIRECTED ON SITE BY THE SUPERVISING OFFICER.
 - ALL SPACING FOR SHRUBS AND GROUND COVER PLANTING ARE AT STAGGERED SPACING.
 - ALL FINAL TREE LOCATIONS ARE SUBJECT TO DIRECTION BY THE SUPERVISING OFFICER.
 - ALL HEIGHT INDICATED FOR TREES ARE OVERALL HEIGHT.
 - ALL HEIGHT INDICATED FOR PALMS ARE CLEAR TRUNK HEIGHT.
 - ALL TREES ARE STAKED/GUYED ACCORDING TO THE SPECIFICATION AND DETAILS.
 - ROOT BARRIERS ARE INSTALLED FOR ALL TREE PLANTING AREAS ABUTTING THE UTILITIES CORRIDOR.
- THE PROPOSED PLANTING SPECIES AND ARRANGEMENT ON THE SOUTHERN LANDFALL SHALL FOLLOW THE GUIDELINES IN HONG KONG INTERNATIONAL AIRPORT APPROVED PLANT SPECIES LIST (REVISION 2-1-JUNE 2007) AS ATTACHED IN ER PART 4.**

LEGEND:

- SITE BOUNDARY
- AS-BUILT U-Channel
- AS-BUILT MAINTENANCE ACCESS
- AS-BUILT MAINTENANCE FOOTPATH
- AS-BUILT TREE
- CODE NOS.
- AS-BUILT ENGINEERING LAYOUT-VIADUCT
- PIER MARK
- 10W - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

Z	NOV/19	AS-CONSTRUCTED	C/NL
REV.	DATE	DESCRIPTION	CLARK

CLIENT

路政署 HIGHWAYS DEPARTMENT
 運輸及交通局工程發展處
 Hong Kong - Zhuhai - Macao Bridge
 Hong Kong Project Management Office

AECOM Imagine it. Delivered.

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HY/2012/07

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION

TITLE
TREE PLANTING PLAN

SHEET 1 OF 11

STATUS	AS-BUILT DRAWING	SCALE	1:1000 (A1)	1:2000 (A3)
DRAWN	GC	PREPARED	GH	APPROVED
DRAWING NO.	60240249/C1/1751	REV.	Z	



- LEGEND:**
- SITE BOUNDARY
 - AS-BUILT U-Channel
 - AS-BUILT MAINTENANCE ACCESS
 - AS-BUILT MAINTENANCE FOOTPATH
 - AS-BUILT PLANTING
 - ENGINEERING LAYOUT-VIADUCT
 - PIER MARK
 - AREA BOUNDARY

APPROVED AND CONFIRMED BY
 TITLE
AECOM (RLS)
 NAME
SAMMY TSOI
 SIGNATURE

FOR INFORMATION

REV.	DATE	DESCRIPTION	DRAWN	PRE.	APP.

CLIENT
路政署
HIGHWAYS DEPARTMENT
 港珠澳大橋香港工程管理局
 Hong Kong - Zhuhai - Macao Bridge
 Hong Kong Project Management Office

AECOM Imagine it. Delivered.

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HY/2012/07

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION

TITLE
LANDSCAPE AREA A (SOUTHERN LANDFALL)

DRAWING REFERENCE
NEW DRAWING

SCALE
 1:1000 (A1)
 1:2000 (A3)

DRAWN	PREPARED	APPROVED
KW	CL	CL

SKETCH NO. SK-0600 REV. -

Planting Area under Contract HY/2013/12

Inspection Date: 16 November 2021

Inspected By: AUES

Time: 9:30 – 12:00

Weather Condition: Sunny

Participants: AECOM (RSS), Ramboll (IEC) & AUES (ET) Rep.

		N/A or not observed	Yes	No	Remarks / Photo
1	Zone: Area along Lung Mun Road and Lung Fu Road				
1.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.3	Are trees or limb overhanging branches pruned?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
1.5	Are litter and debris removed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
1.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
1.9	Are the planting species on site matched with the approved planting schedules (Annex B)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		Good	Fair	Poor	
1.10	Overall health condition of the plants?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2	Zone: Area along cycling track near Butterfly Bay Beach and Raised Planter at Abutment Sides of Bridge H1 and G1				
2.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2.3	Are trees or limb overhanging branches pruned?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
2.5	Are litter and debris removed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
2.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
2.9	Are the planting species on site matched with the approved planting schedules (Annex B)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		Good	Fair	Poor	





2.10 Overall health condition of the plants? _____



3	Zone: Area on Toll Plaza	N/A or not observed	Yes	No	Remarks / Photo
3.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.3	Are trees or limb overhanging branches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
3.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
3.5	Are litter and debris removed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
3.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.9	Are the planting species on site matched with the approved planting schedules (Annex B)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		Good	Fair	Poor	
3.10	Overall health condition of the plants?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

4	Zone: Slopes on Toll Plaza near the East and West Portals	N/A or not observed	Yes	No	Remarks / Photo
4.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.3	Are trees or limb overhanging branches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
4.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
4.5	Are litter and debris removed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
4.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.9	Are the planting species on site matched with the approved planting schedules (Annex B)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		Good	Fair	Poor	
4.10	Overall health condition of the plants?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

5 Zone: Slopes along Lung Mun Road and Lung Fu Road		N/A or not observed	Yes	No	Remarks / Photo
5.1	Is watering provided to plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.3	Are trees or limb overhanging branches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
5.4	Are pest and disease observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
5.5	Are litter and debris removed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.6	Are plants/ grasses overgrown?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
5.7	After inclement weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, firm up all other plants and immediately thereafter, remove dead plants and plant debris from the site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.8	Are planting locations and tree spacing matched with the approved planting plans?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.9	Are the planting species on site matched with the approved planting schedules (Annex B)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
		Good	Fair	Poor	
5.10	Overall health condition of the plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Obs. 1 to 3</u>
6 General Document		N/A or not observed	Yes	No	Remarks / Photo
6.1	Are the records of watering, fertilizing, weeding, pruning and mowing kept for checking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Follow up actions for previous Site Audit on 18 August 2021: <ol style="list-style-type: none">1. The tree HL409 (<i>Machilus chekiangensis</i>) on slope (5SE-D/C170) became wilted was replaced.2. The trees (<i>Bauhinia variegata</i>) on slope (5SE-D/C21) became wilted was replaced.3. Overgrown plants/grasses observed on slope (5SE-D/C16) was removed.
Observations: <ol style="list-style-type: none">1. The tree (<i>Viburnum odoratissimum</i>) on slope (5SE-D/C209) became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed.2. The tree (<i>Cinnamomum burmannii</i>) on slope (5SE-D/C170) became bent had been supported in upright position.3. The trees (<i>Bauhinia variegata</i>) on slope (5SE-D/C170) was fallen down had been supported in upright position.
Corrective Actions (if any): <ol style="list-style-type: none">1. Tree health condition, irrigation in particular, should be closely monitored and reviewed.2. Regularly weeding should be provided.
General Conclusion: <p>The establishment planting for the contract is generally in fair and good condition. Regularly watering, fertilizing, weeding, pruning and mowing had been provided by Contractor.</p>
Remark: <p>Nil</p>

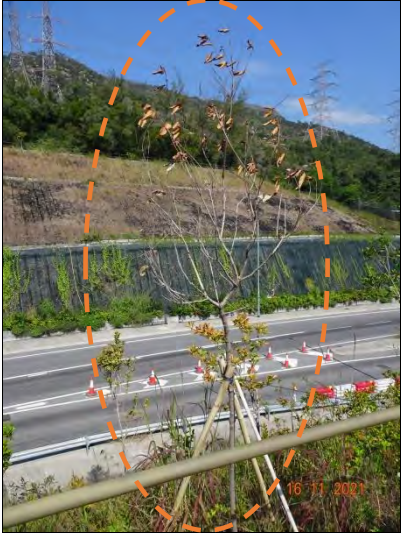

Inspected by (ET's Representative):	<u>Ben Tam</u>	Title:	<u>Environmental Consultant</u>
Signature:		Date:	<u>16 November 2021</u>
Reviewed by (RSS Landscape Representative):	_____	Title:	<u>Senior Resident Landscape Architect</u>
Signature:	_____	Date:	<u>21 December 2021</u>
Contractor's Representative:	 	Title:	<u>Senior Project Manager</u>
Signature:	_____	Date:	_____
Checked by (IEC's Representative):	<u>Theo Chan</u>	Title:	<u>Assistant Environmental Consultant</u>
Signature:		Date:	<u>21 December 2021</u>

Location	Photo	Information
Zone 5 (5SE-D/C170)		Follow-up action 1: The tree HL409 (<i>Machilus chekiangensis</i>) on slope (5SE-D/C170) became wilted was replaced.
Zone 5 (5SE-D/C21)		Follow-up action 2: The trees (<i>Bauhinia variegata</i>) on slope (5SE-D/C21) became wilted was replaced.

Zone 5
(5SE-D/C16)



Follow-up action 3: Overgrown plants/grasses observed on slope (5SE-D/C16) was removed.

<p>Zone 5 (5SE-D/C209)</p>		<p>Observation 1: The tree (<i>Viburnum odoratissimum</i>) on slope (5SE-D/C209) became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed.</p>
<p>Zone 5 (5SE-D/C170)</p>		<p>Observation 2: The tree (<i>Cinnamomum burmannii</i>) on slope (5SE-D/C170) became bent had been supported in upright position.</p>

Zone 5
(5SE-D/C170)



Observation 3: The trees (Bauhinia variegata) on slope (5SE-D/C170) was fallen down had been supported in upright position.

Zone 1

Area along Lung Mun Road and Lung Fu Road



General View for Roundabout Area



General View for Roundabout Area



General View for Roundabout Area



General View for Roundabout Area



General View for Roundabout Area



General View for Roundabout Area



General View for Lung Mun Road



General View for Lung Mun Road



General View for Lung Mun Road



General View for Lung Mun Road

Zone 2

Area along cycling track near Butterfly Bay Beach and Raised Planter at Abutment Sides of Bridge H1 and G1



General View for Lung Mun Road



General View for Lung Mun Road



General View for cycling track near Butterfly Bay Beach



General View for cycling track near Butterfly Bay Beach



General View for cycling track near Butterfly Bay Beach



Watering system at cycling track near Butterfly Bay Beach

Zone 3

Area on Toll Plaza



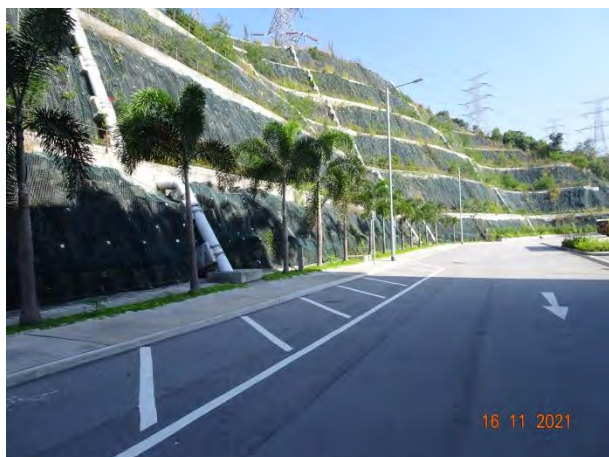
General View for Toe Planter



General View for Toe Planter



General View for Toe Planter



General View for Toe Planter



General View for planter near the Highway



General View for planter near the Highway



General View for Toll Plaza Interchange



General View for Toll Plaza Interchange



General View for Toll Plaza Interchange



General View for planter near the Tunnel

Zone 4

Slopes on Toll Plaza near the East and West Portals



General View for Slope TP_A



General View for Slope TP_A



General View for Slope TP_A



General View for Slope TP_A



General View for Slope TP_B



General View for Slope TP_B



General View for Slope TP_B



General View for Slope TP_B



General View for Slope TP_D



General View for Slope TP_D

Zone 5

Slopes along Lung Mun Road and Lung Fu Road



General View for Slope TP_C



General View for Slope TP_C



General View for Slope 5SE-D/C170



General View for Slope 5SE-D/C170



General View for Slope 5SE-D/C170



General View for Slope 5SE-D/C170



General View for Slope 5SE-D/C170



General View for Slope 5SE-D/C170



General View for Slope 5SE-D/C171



General View for Slope 5SE-D/C21



General View for Slope 5SE-D/C21



General View for Slope 5SE-D/C215



General View for Slope 5SE-D/C215



General View for Slope 5SE-D/C215



Watering system at Slope 5SE-D/C215



General View for Slope 5SE-D/C16



General View for Slope 5SE-D/C16



General View for Slope 5SE-D/C16



General View for Slope 5SE-D/C16

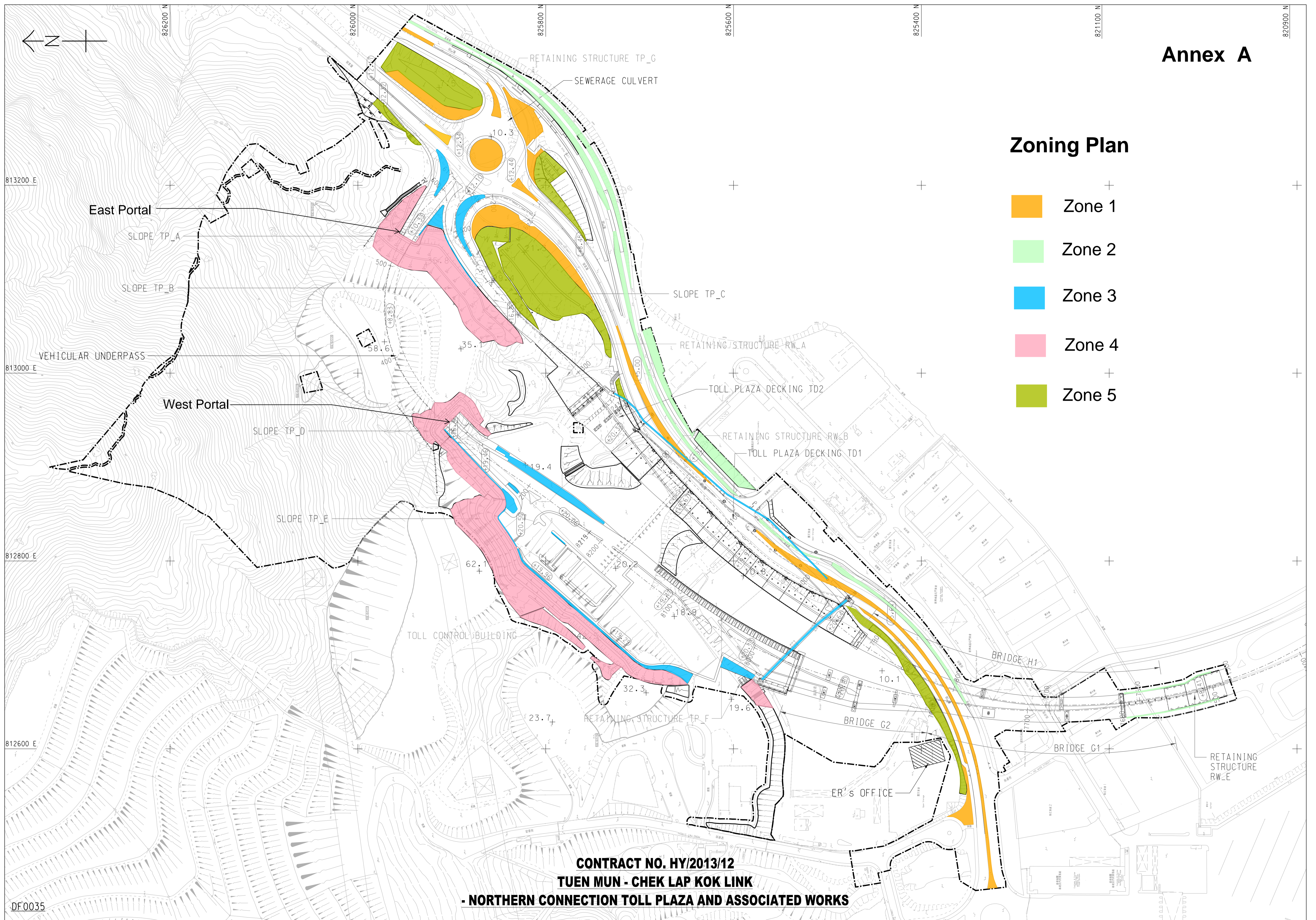


General View for Slope 5SE-D/C18

Appendix A
Zoning Plan for Contract No. HY/2013/12

Zoning Plan

-  Zone 1
-  Zone 2
-  Zone 3
-  Zone 4
-  Zone 5



CONTRACT NO. HY/2013/12
TUEN MUN - CHEK LAP KOK LINK
- NORTHERN CONNECTION TOLL PLAZA AND ASSOCIATED WORKS

Appendix B
Summary of Compensatory Planting Area for Contract No. HY/2013/12

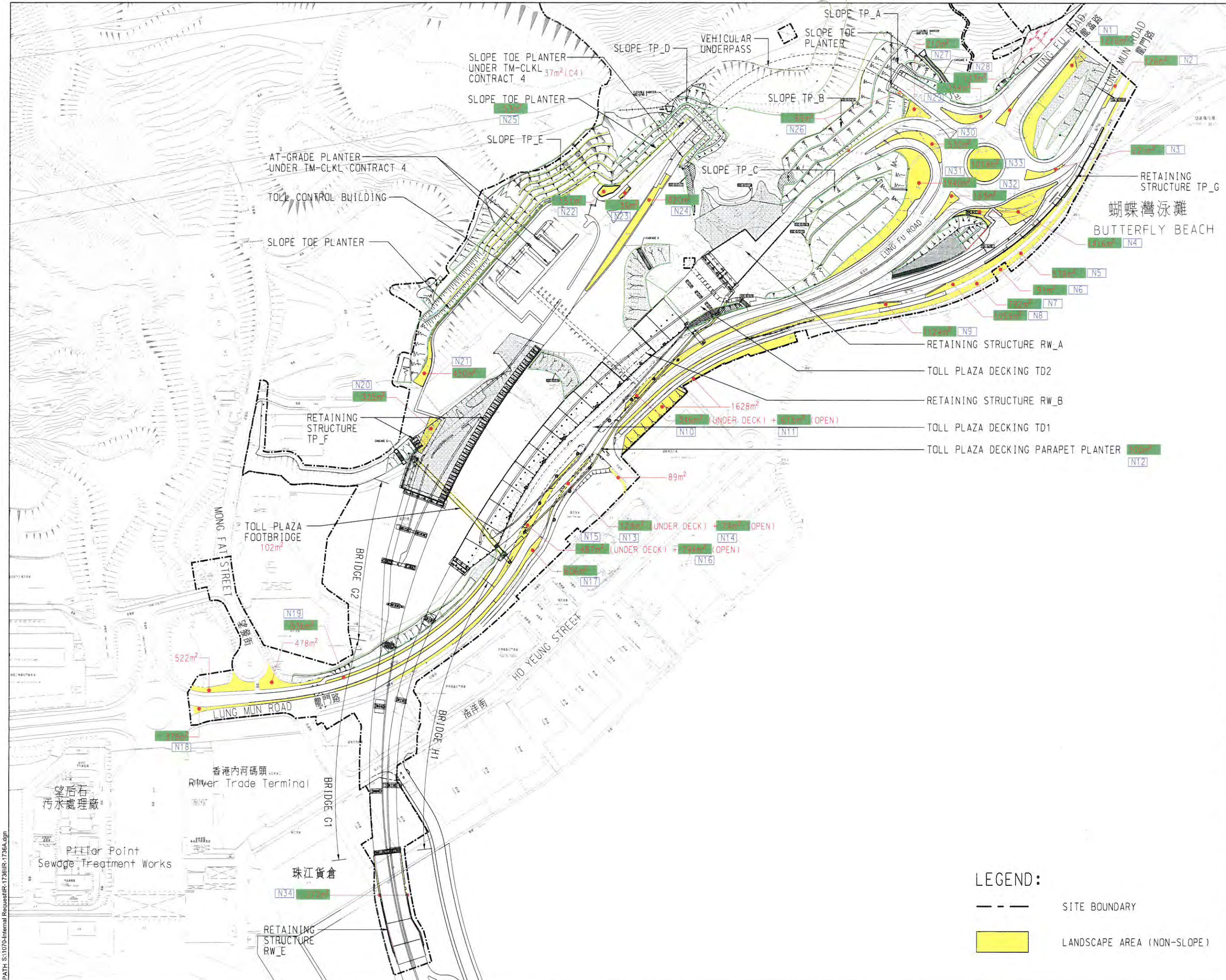
Contract No. HY/2013/12 (C3) Landscape Area Summary for EP Condition 2.9

Area Code	Location	Plan Area (sq.m.) Approx.	Average Slope Angle	Plane Area (sq.m.) Approx.
N1	Lung Fu Road	1276	0	1276
N2	Lung Mun Road	126	0	126
N3	Lung Mun Road	221	0	221
N4	Lung Mun Road	1416	0	1416
N5	Lung Mun Road - cycle track	578	0	578
N6	Lung Mun Road - cycle track	91	0	91
N7	Lung Mun Road - cycle track	792	0	792
N8	Lung Mun Road	1059	0	1059
N9	Lung Mun Road/ Lung Fu Road	1124	0	1124
N10	Lung Mun Road - under deck	346	0	346
N11	Lung Mun Road	673	0	673
N12	Deck - Parapet Planter	300	0	300
N13	Lung Mun Road - under deck	129	0	129
N14	Lung Mun Road	79	0	79
N15	Lung Mun Road - under deck	487	0	487
N16	Lung Mun Road	794	0	794
N17	Lung Mun Road - cycle track	606	0	606
N18	Lung Mun Road	379	0	379
N19	Lung Mun Road	536	0	536
N20	Near Footbridge	325	0	325
N21	Toe of Slope TP_E	450	0	450
	Toe of Slope TP_E (PDA)	-281	0	-281
N22	Toe of Slope TP_E	151	0	151
N23	Toll Plaza - roadside	36	0	36
N24	Toll Plaza - roadside	820	0	820
N25	Toe of 5SE-D/C116	53	0	53
N26	Toe of Slope TP_A & Slope TP_B	89	0	89
N27	Toe of Slope TP_B	210	0	210
N28	Lung Fu Road	113	0	113
N29	Island near Roundabout	334	0	334
N30	Island near Roundabout	530	0	530
N31	Toe of 5SE-D/C170	1940	0	1940
N32	Lung Fu Road	169	0	169
N33	Roundabout	1018	0	1018
N34	Retaining Structure RW_E	272	0	272
S1	5SE-D/C215	3103	14	3198
S2	5SE-D/C165	471	30	544
S3	5SE-D/C171	799	35	975
S4	5SE-D/C21	483	35	590
S5	5SE-D/C170 (PART 1)	5035	17	5265
S6	5SE-D/C170 (PART 2)	622	28	704
S7	5SE-D/C18	89	30	103
S8	5SE-D/C209 (Slope TP_C)	1655	30	1911
	5SE-D/C210 (Slope TP_B)	5424	35	6621
S10	5SE-D/C211 (Slope TP_A)	1874	37	2347
S11	5SE-D/C214 (Slope TP_D)	1867	50	2905
S12	5SE-D/C116	1515	35	1849
S13	5SE-D/C212 (Slope TP_E)	8134	60	16268
	5SE-D/C212 (Slope TP_E) (PDA)	-4132	60	-8264
S14	5SE-D/C16 (Non-PDA)	1150	32	1356
Sub-Total				53613

ABBREVIATIONS

PDA

Potential Development Area (not counted towards landscape area for EP Condition 2.9)



APPROVED AND CONFIRMED BY
 TITLE
AECOM_C3 (RLS)
 NAME
SAMMY TSOI
 SIGNATURE
Sammy Tsoi

Sammy Tsoi

FOR INFORMATION

REV.	DATE	DESCRIPTION	CHK.	PREP.	DRAWN
-	SEP. 20	FOR INFORMATION	CL	CHT	JL

CLIENT
 路政署
HIGHWAYS DEPARTMENT
 港珠澳大橋香港工程督導處
 Hong Kong - Zhuhai - Macao Bridge
 Hong Kong Project Management Office

AECOM Imagine it. Delivered.

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TOLL PLAZA AND ASSOCIATED WORKS

PROJECT NO. **60240249** CONTRACT NO. **HY/2013/12**

SCALE **A3 N.T.S** DATE **09 SEP 2020**

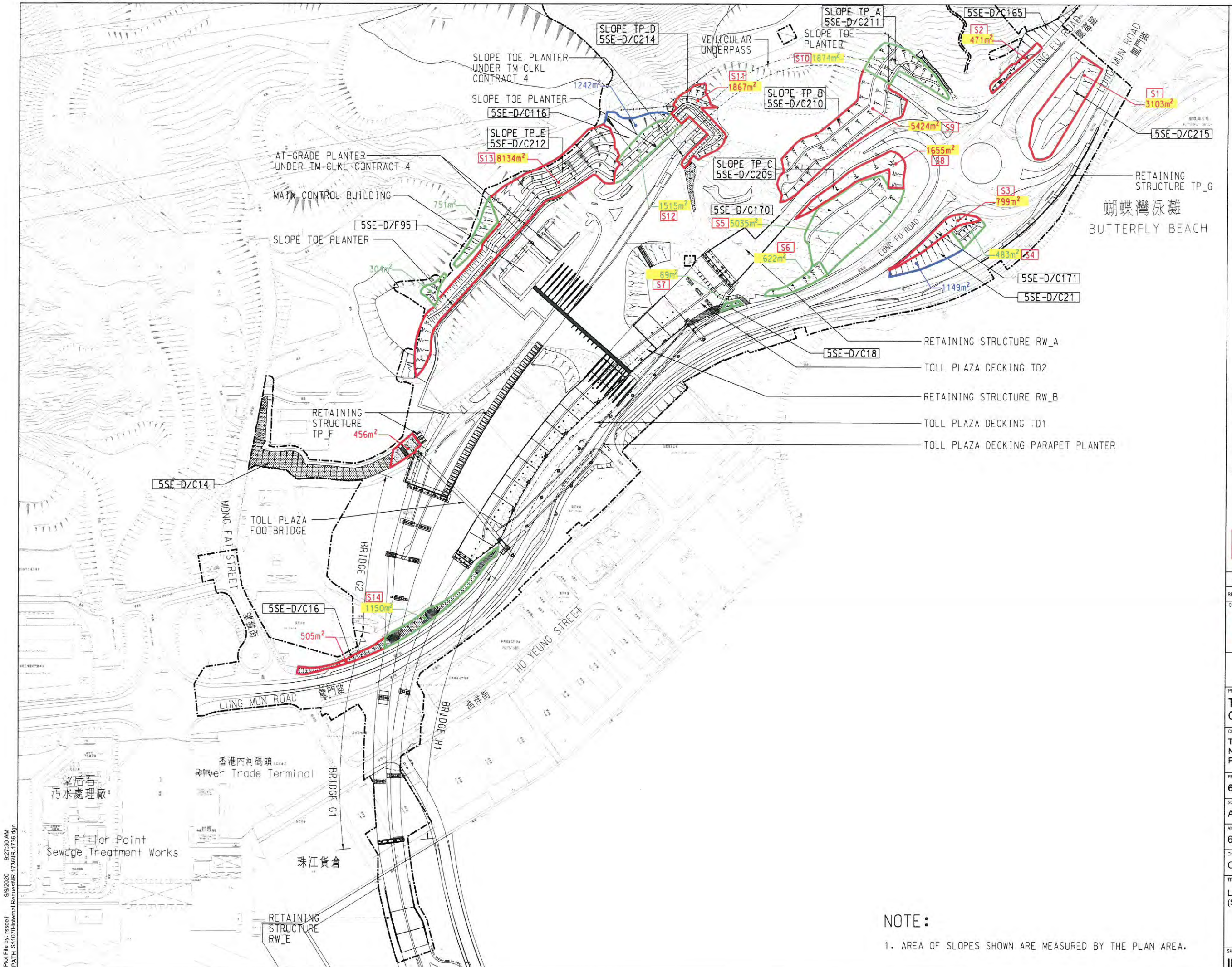
AMENDMENT TO WORKING DRAWING NO.
60240249/C3/DF2210

CHECKED **CL** PREPARED **CHT** DRAWN **JL/TMC**

TITLE
LANDSCAPE AREA (NON-SLOPE)

SKETCH NO.
IR-1736A

Plot File by: rns0e1 9/9/2020 9:50:02 AM
 PATH S:\1107\Internal Request\IR-1736A.dgn



NOTE:
1. AREA OF SLOPES SHOWN ARE MEASURED BY THE PLAN AREA.

APPROVED AND CONFIRMED BY
TITLE
AECOM_C3 (RLS)
NAME
SAMMY TSOI
SIGNATURE *[Signature]*

[Signature]

FOR INFORMATION

REV.	SEP. 20	FOR INFORMATION	CL	CHT	JL
DATE		DESCRIPTION	CHK.	PREP.	DRAWN

CLIENT
路政署 HIGHWAYS DEPARTMENT
香港康大橋香港工程管理有限公司
Hong Kong - Zhuhai - Macao Bridge
Hong Kong Project Management Office

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PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TOLL PLAZA AND ASSOCIATED WORKS

PROJECT NO.
60240249

CONTRACT NO.
HY/2013/12

SCALE
A3 N.T.S

DATE
09 SEP 2020

AMENDMENT TO WORKING DRAWING NO.
60240249/C3/DF2208

CHECKED
CL

PREPARED
CHT

DRAWN
JL/TMC

TITLE
LANDSCAPE AREA (SLOPE)

SKETCH NO.
IR-1736

Appendix C
Approved Planting Schedule for Contract No. HY/2013/12

Slope Planting

CODE	BOTANCIAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)
WHIP				
BAU.VAR.	<i>Bauhinia variegata</i>	宮粉羊蹄甲	WHIP	1000
BRI.TOM.	<i>Bridelia tomentosa</i> *	土密樹	WHIP	1000
GOR.AXI.	<i>Gordonia axillaris</i> *	大頭茶	WHIP	1000
LIT.GLU.	<i>Litsea glutinosa</i> *	潺槁樹	WHIP	1000
MAL.PAN.	<i>Mallotus paniculatus</i> *	白楸	WHIP	1000
PHY.EMB.	<i>Phyllanthus emblica</i> *	餘甘子	WHIP	1000
SAP.DIS.	<i>Sapium discolor</i> *	山烏柏	WHIP	1000
TREE				
BAU.VAR.(L)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	LIGHT STANDARD	3000
BAU.VAR.(H)	<i>Bauhinia variegata</i>	宮粉羊蹄甲	HEAVY STANDARD	4000-4500
BRI.TOM.	<i>Bridelia tomentosa</i> *	土密樹	LIGHT STANDARD	3000
BOM.CEL.(L)	<i>Bombax ceiba</i>	木棉	LIGHT STANDARD	3000
BOM.CEL.(H)	<i>Bombax ceiba</i>	木棉	HEAVY STANDARD	4500-5000
CIN.BUR.	<i>Cinnamomum burmannii</i> *	陰香	LIGHT STANDARD	3000
CIN.BUR.	<i>Cinnamomum burmannii</i> *	陰香	HEAVY STANDARD	4500-5000
LIQ.FOR.	<i>Liquidambar formosana</i> *	楓香	LIGHT STANDARD	3000
LIT.GLU.(L)	<i>Litsea glutinosa</i> *	潺槁木	LIGHT STANDARD	3000
MAC.CHE.	<i>Machilus chekiangensis</i> *	浙江潤楠	LIGHT STANDARD	3000
REE.THY.	<i>Reevesia thyrsoides</i> *	梭羅樹	LIGHT STANDARD	3000
SCH.SUP.	<i>Schima superba</i> *	木荷 (荷樹)	LIGHT STANDARD	3000
STE.LAN.	<i>Sterculia lanceolata</i> *	假蒺藜	LIGHT STANDARD	3000
STE.LAN.	<i>Sterculia lanceolata</i> *	假蒺藜	HEAVY STANDARD	4500-5000
VIB.ODO.	<i>Viburnum odoratissimum</i> *	珊瑚樹	LIGHT STANDARD	3000
SHRUB				
DES.CHL.	<i>Desmos chinensis</i> *	假鷹爪	300(H) X 300(S)	500
ILE.ASP.	<i>Ilex asprella</i> *	梅葉冬青	300(H) X 300(S)	500
ILE.PUB.	<i>Ilex pubescens</i> *	毛冬青	300(H) X 300(S)	500
LIG.SIN.	<i>Ligustrum sinense</i>	山指甲	300(H) X 300(S)	350-500
MEL.CAN.	<i>Melastoma candidum</i> *	野牡丹	300(H) X 300(S)	500
MEL.SAN.	<i>Melastoma sanguineum</i> *	毛萼	300(H) X 300(S)	350-500
NER.OLE.	<i>Nerium oleander</i>	夾竹桃	300(H) X 300(S)	350
PSY.ASI.	<i>Psychotria asiatica</i> *	九節	300(H) X 300(S)	500
RHA.IND.	<i>Raphiolepis indica</i> *	車輪梅	300(H) X 300(S)	350-500
RHO.PUL.	<i>Rhododendron pulchrum</i>	紫杜鵑	300(H) X 300(S)	500
RHO.SIM.	<i>Rhododendron simsii</i> *	紅杜鵑	300(H) X 300(S)	500
SCH.ARB.	<i>Schefflera arboricola</i>	八葉木	300(H) X 300(S)	500
SCH.VAR.	<i>Schefflera arboricola 'variegata'</i>	花葉八葉木	300(H) X 300(S)	500
GROUNDCOVER				
NEP.AUR.	<i>Nephrolepis auriculata</i> *	腎蕨	300(H) X 300(S)	100-300
NEP.HIR.	<i>Nephrolepis hirsutula</i> *	毛葉腎蕨	300(H) X 300(S)	100-300
CLIMBER				
BAU.COR.	<i>Bauhinia corymbosa</i>	首冠藤	MIN. 5 SHOOTS PER PLANT, 600mm LONG	300-1000
BOU.SPE.	<i>Bougainvillea spectabilis</i>	勒杜鵑	MIN. 5 SHOOTS PER PLANT, 600mm LONG	300-500
FIG.PUM.	<i>Ficus pumila</i> *	綠蘿	MIN. 3 SHOOTS PER PLANT, 1000mm LONG	300
LON.JAP.	<i>Lonicera japonica</i> *	忍冬 (金銀花)	MIN. 5 SHOOTS PER PLANT, 600mm LONG	300-1000
PAR.DAL.	<i>Parthenocissus dalzielii</i>	爬牆虎	MIN. 3 SHOOTS PER PLANT, 1000mm LONG	300-1000
WED.TRI.	<i>Wedelia trilobata</i>	蟻蝶菊	MIN. 5 SHOOTS PER PLANT, 600mm LONG	300

Roadside Planting

CODE	BOTANCIAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)	SPACING (mm)
TREE				
BRA.ACE.	<i>Brachycton acerifolius</i>	槭葉蘋婆	HEAVY STANDARD	4500-5000
DEL.REG.	<i>Delonix regia</i>	鳳凰木	HEAVY STANDARD	N/A
GAR.SUB.	<i>Garcinia subelliptica</i>	福木	LIGHT STANDARD	3000
MEL.CUM.	<i>Melaleuca cajuputi subsp. cumingiana</i>	白千層	HEAVY STANDARD	4000
STE.LAN.	<i>Sterculia lanceolata</i> *	假蒺藜	HEAVY STANDARD	5000
TAB.CHR.	<i>Tabebuia chrysantha</i>	黃花風鈴木	HEAVY STANDARD	5000
TAB.IMP.	<i>Tabebuia impetiginosa</i>	風鈴木	HEAVY STANDARD	5000
TER.MAN.	<i>Terminalia mantaly</i>	小葉欖仁	HEAVY STANDARD	5000
PALM				
ARC.ALE.	<i>Archontophoenix alexandrae</i>	假檳榔	3500(H) x 1500(S)	4000
CHR.LIT.	<i>Chrysalidocarpus lutescens</i>	散尾葵	1500(H)	2000
LIV.CHI.	<i>Livistona chinensis</i>	蒲葵	2000(H) x 1500(S)	2500
PHO.ROE.	<i>Phoenix roebelenii</i>	日本葵	2000(H) x 1500(S)	2500-3000
WOD.BIF.	<i>Wodyetia bifurcata</i>	鳳尾椰子	2500(H) x 1500(S)	3500
SHRUB				
DUR.GOL.	<i>Duranta repens 'goldern'</i>	金連翹	300(H) X 300(S)	300
IXO.CHI.	<i>Ixora chinensis</i> *	龍船花	300(H) X 300(S)	300
IXO.COC.	<i>Ixora coccinea</i>	橙紅龍船花	300(H) X 300(S)	300
IXO.LUT.	<i>Ixora coccinea 'lutea'</i>	黃花龍船花	300(H) X 300(S)	300
RHA.IND.	<i>Raphiolepis indica</i> *	車輪梅	300(H) X 300(S)	300
RHO.PUL.	<i>Rhododendron pulchrum</i>	紫杜鵑	300(H) X 300(S)	300
RHO.SIM.	<i>Rhododendron simsii</i> *	紅杜鵑	300(H) X 300(S)	300
SCH.ARB.	<i>Schefflera arboricola</i>	八葉木	300(H) X 300(S)	300
SCH.VAR.	<i>Schefflera arboricola 'variegata'</i>	花葉八葉木	300(H) X 300(S)	300
GROUNDCOVER				
ASP.DEN.	<i>Asparagus densiflorus 'myersii'</i>	狐尾天冬	300(H) X 300(S)	250
ARA.DUR.	<i>Arachis duranensis</i>	金花生	100(H) X 200(S)	200
ASP.SPR.	<i>Asparagus densiflorus 'sprengerii'</i>	天冬	100(H) X 200(S)	200
CUP.HYS.	<i>Cuphea hyssopifolia</i>	細葉雪茄花	250(H) X 300(S)	250-300
DIA.VAR.	<i>Dianella tasmanica 'variegata'</i>	花葉山菅蘭	250(H) X 250(S)	250
LAN.FLA.	<i>Lantana camara 'flava'</i>	黃花馬纓丹	200(H) X 200(S)	200
LAN.MON.	<i>Lantana montevidensis</i>	小葉馬纓丹 (紫花)	200(H) X 200(S)	200
NEP.AUR.	<i>Nephrolepis auriculata</i> *	腎蕨	300(H) X 300(S)	150-250
OPH.JAP.	<i>Ophiopogon japonicus</i> *	沿階草	200(H) X 200(S)	200

NOTE:

1. ALL PROPOSED PLANT SPECIES AND SPECIFICATIONS ARE SUBJECT TO CHANGE DURING CONSTRUCTION TO SUIT THE SITE CONDITIONS.
2. SHRUB / GROUNDCOVER SHOULD BE PLANTED IN A STAGGERED PATTERN.
3. GRASS SEED AS CEDD GENERAL SPECIFICATION 3.26(3).
4. * SPECIES NATIVE TO HONG KONG ACCORDING TO THE HONG KONG HERBARIUM WEBSITE.

Status: Planting Schedule is a consolidated list of plant species based on the planting plans as commented/ approved by the relevant Government departments, i.e. LCSD or HyD/ Landscape Division.

Appendix D
Summary of tree Quantity for Contract No. HY/2013/12

Summary of tree Quantity for Contract No. HY/2013/12

Trees				Planting Plan Information					1st Quarter Site Checking					Total quantity to be planted as required in contract	Total quantity observed on site	Remarks
				Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5			
CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) x SPREAD (S)													
Whip Tree																
BAU.VAR.(L)	Bauhinia variegata	宮粉羊蹄甲	WHIP	-	-	-	-	52	52	-	-	-	-	52	52	
BRI.TOM.	Bridelia tomentosa	土密樹	WHIP	-	-	-	68	25	93	-	-	-	68	25	93	
GOR.AXI	Gordonia axillaris	大頭茶	WHIP	-	-	-	88	52	140	-	-	-	88	52	140	
LIT.GLU.	Litsea glutinosa	荔枝樹	WHIP	-	-	-	-	38	38	-	-	-	-	38	38	
MAL.PAN.	Mallotus paniculatus	白楸	WHIP	-	-	-	-	38	38	-	-	-	-	38	38	
PHY.EMB.	Phyllanthus emblica	餘甘子	WHIP	-	-	-	-	38	38	-	-	-	-	38	38	
SAP.DIS.	Sapium discolor	山烏柏	WHIP	-	-	-	-	12	12	-	-	-	-	12	12	
Tree (Light Standard, Heavy Standard)																
BAU.VAR.(L)	Bauhinia variegata	宮粉羊蹄甲	LIGHT STANDARD	-	-	-	34	191	225	-	-	-	34	191	225	
BOM.CEI.(L)	Bombax ceiba	木棉	LIGHT STANDARD	-	-	-	-	32	32	-	-	-	-	32	32	
BRI.TOM.	Bridelia tomentosa	土密樹	LIGHT STANDARD	-	-	-	15	66	81	-	-	-	15	66	81	
CIN.BUR.	Cinnamomum burmannii	陰香	LIGHT STANDARD	-	-	-	-	51	51	-	-	-	-	51	51	
GAR.SUB	Garcinia subelliptica	福木	LIGHT STANDARD	16	4	10	-	-	30	16	4	10	-	-	30	
LIQ.FOR.	Liquidambar formosana	楓香	LIGHT STANDARD	-	-	-	-	32	32	-	-	-	-	32	32	
LIT.GLU.(L)	Litsea glutinosa	荔枝木	LIGHT STANDARD	-	-	-	19	-	19	-	-	-	19	-	19	
MAC.CHE.	Machilus chekiangensis	浙江潤楠	LIGHT STANDARD	-	-	-	17	44	61	-	-	-	17	44	61	
REE.TH.Y.	Reevesia thyrsoidea	梭羅樹	LIGHT STANDARD	-	-	-	7	29	36	-	-	-	7	29	36	
SCH.SUP.	Schima superba	木荷 (荷樹)	LIGHT STANDARD	-	-	-	-	32	32	-	-	-	-	32	32	
STE.LAN.	Sterculia lanceolata	假蒴藤	LIGHT STANDARD	-	-	-	6	47	53	-	-	-	6	47	53	
VIB.ODO.	Viburnum odoratissimum	珊瑚樹	LIGHT STANDARD	-	-	-	16	58	74	-	-	-	16	58	74	
BAU.VAR.(L)	Bauhinia variegata	宮粉羊蹄甲	HEAVY STANDARD	-	-	-	-	41	41	-	-	-	-	41	41	
BOM.CEI.(L)	Bombax ceiba	木棉	HEAVY STANDARD	-	-	-	-	16	16	-	-	-	-	16	16	
BRA.ACE	Brachychiton acerifolius	絨葉羅漢	HEAVY STANDARD	-	-	18	-	-	18	-	-	18	-	-	18	
CIN.BUR.	Cinnamomum burmannii	陰香	HEAVY STANDARD	-	-	-	-	23	23	-	-	-	-	23	23	
STE.LAN.	Sterculia lanceolata	假蒴藤	HEAVY STANDARD	-	-	3	-	10	13	-	-	3	-	10	13	
DEL.REG	Delonix regia	鳳凰木	HEAVY STANDARD	1	-	-	-	-	1	1	-	-	-	-	1	
MEL.CUM	Metaleuca cajuputi Subsp. ovalifoliosa	白千層	HEAVY STANDARD	35	16	-	-	-	51	35	16	-	-	-	51	
TAB.CHR	Tabebuia chrysantha	黃花風鈴木	HEAVY STANDARD	-	-	4	-	-	4	-	-	4	-	-	4	
TAB.MP	Tabebuia impetiginosa	風鈴木	HEAVY STANDARD	46	-	3	-	-	49	46	-	3	-	-	49	Tree quantity was updated according to the latest approved planting schedule in December 2020.
TER.MAN	Terminalia mantaly	小葉欖仁	HEAVY STANDARD	-	8	-	-	-	8	-	8	-	-	-	8	
Palm																
ARC.ALE	Archontophoenix alexandrae	假棕櫚	3500(H) x 1500(S)	-	58	-	-	-	58	-	58	-	-	-	58	
LIV.CHI	Livistona chinensis	蒲葵	2000(H) x 1500(S)	21	-	-	-	-	21	21	-	-	-	-	21	Tree quantity was updated according to the latest approved planting schedule in December 2020.
PHO.ROE	Phoenix roebelenii	日本葵	2000(H) x 1500(S)	50	-	4	-	-	54	50	-	4	-	-	54	
WOD.BIF	Wodyetia bifurcata	狐尾椰子	2500(H) x 1500(S)	-	-	26	-	-	26	-	-	26	-	-	26	
				169	86	68	270	927	1520	169	86	68	270	927	1520	

Appendix G

Environmental Mitigation and Enhancement Measures Implementation Schedule (EMIS)

CONTRACT NO. HMWSD 2/2020 (HY)
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK
ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Landscape and Visual									
EIA reference	EM&A Manual reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						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, including trees in contractor's works areas. (Tree protection measures will be detailed at Tree Removal Application stage) (CM1)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
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		N/A
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		N/A
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		N/A
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		N/A

CONTRACT NO. HMWSD 2/2020 (HY)
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK
ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Landscape and Visual									
EIA reference	EM&A Manual reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
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		N/A
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		N/A
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		N/A
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		N/A
10.9	7.6	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 (CM10)	All areas/detailed design/ during Construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓
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	✓ maintenance agent : HyD
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	✓ maintenance agent : HyD & LCSD
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	All areas/detailed design/ during Construction/ post construction	Design Consultant/ Contractor	TMEIA	Y	Y	Y	N/A

CONTRACT NO. HMWSD 2/2020 (HY)
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK
ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Landscape and Visual									
EIA reference	EM&A Manual reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages			Status
						D	C	O	
		minimize unnecessary light spill (OM3)							
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	✓ maintenance agent : HyD & LCSD
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	N/A
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	N/A

Remarks:

- ✓ Compliance of Mitigation Measures
- <> Compliance of Mitigation Measures but need improvement.
- × Non-compliance of Mitigation Measures
- ▲ Non-compliance of Mitigation Measures but rectified by Contractor
- △ Deficiency of Mitigation Measures but rectified by Contractor
- N/A Not Applicable in Reporting Period

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 H

Cumulative Statistics on Exceedance and Complaint

Table H-1 Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics					
	Frequency	Cumulative	Complaint Nature			
			Air	Noise	Water	Others
November 2021	0	0	NA	NA	NA	NA
Cumulative since Contract commencement	0	0	NA	NA	NA	NA

Table H-2 Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics				
	Frequency	Cumulative	Complaint Nature		
			Air	Noise	Water
November 2021	0	0	NA	NA	NA
Cumulative since Contract commencement	0	0	NA	NA	NA

Table H-3 Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics				
	Frequency	Cumulative	Complaint Nature		
			Air	Noise	Water
November 2021	0	0	NA	NA	NA
Cumulative since Contract commencement	0	0	NA	NA	NA