



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**

**5TH MONTHLY ENVIRONMENTAL MONITORING AND
AUDIT (EM&A) REPORT – AUGUST 2021**

PREPARED FOR
HONG KONG LANDSCAPING CO., LTD.

| Date | Reference No. | Prepared By | Certified By |
|-------------------|-------------------------|---|---|
| 24 September 2021 | TCS01137/20/600/R0010v2 |  Martin Li (Environmental Consultant) |  Ben Tam (Environmental Team Leader) |

| Version | Date | Remarks |
|----------------|-------------------|---|
| 1 | 24 September 2021 | First Submission |
| 2 | 18 March 2022 | Amended according to the IEC's comment on 17 March 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
5th Monthly EM&A Report for August 2021 (EP-354/2009/D)**

Reference is made to the Environmental Team's submission of the Monthly EM&A Report for August 2021 (ET's ref.: "TCS01137/20/600/R0010v2" dated 18 March 2022) certified by ET Leader and provided to us via e-mail on 18 March 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



Brian Tam
Independent Environmental Checker
Tuen Mun – Chek Lap Kok Link

c.c.

| | | |
|------|-------------------------|---------------------|
| HyD | Attn.: Mr. Stephen Wong | (By Fax: 3188 6614) |
| HyD | Attn.: Mr. Tony Wong | (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 5th Monthly EM&A Report presenting the monitoring results and inspection findings under the Contract HMWSD 2/2020 (HY) for the period from 1 to 31 August 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 contract HY/2017/10 according to the EM&A manual requirement. One establishment period inspection was undertaken during this reporting period for the planting area HY/2012/07 & HY/2013/12 separately.

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 |
| August 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 5th monthly EM&A report under the Contract HMWSD 2/2020 (HY) presenting the monitoring results and inspection findings for period from **1 to 31 August 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 | September to November 2021 (6 th Quarter) |
| HY/2012/07 (Zone 2) | June 2020 | TBA | September to November 2021 (6 th Quarter) |
| HY/2013/12 | June 2020 | June 2021 | September to November 2021 (6 th Quarter) |
| HY/2017/10 | February 2021 | TBA | August to October 2021 (3 rd 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 undertaken 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) | June to August 2021 (5 th Quarter) | 16 August 2021 |
| HY/2012/07 (Zone 2) | ET of the Contract HY/2017/10 | June to August 2021 (5 th Quarter) | 10 August 2021 |
| HY/2013/12 | ET of the Contract HMWSD 2/2020 (HY) | June to August 2021 (5 th Quarter) | 18 August 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 |
| August 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 |
| August 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 |
| August 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.

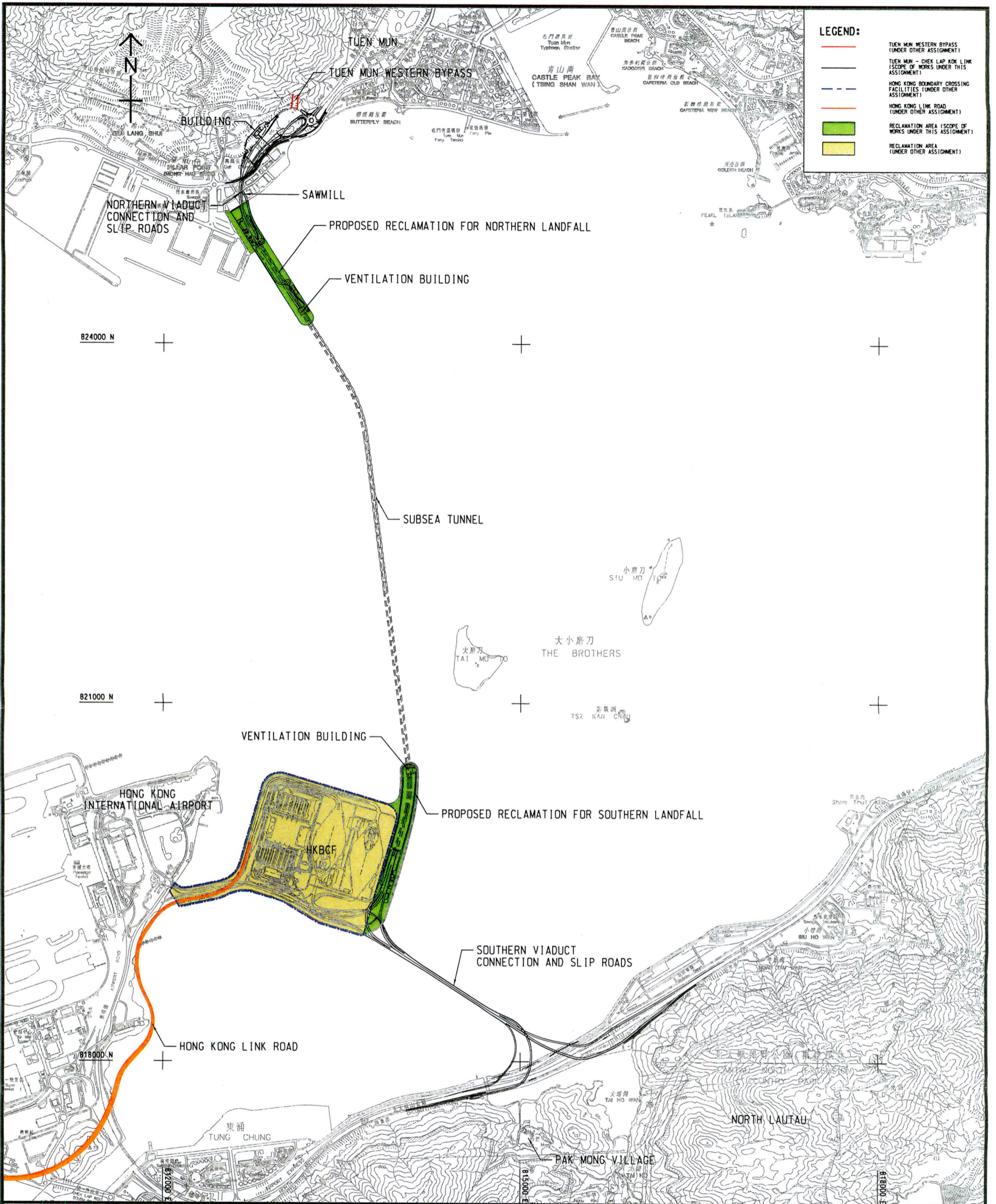
5 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

- 5.1.1 This is 5th monthly EM&A report presenting the monitoring results and inspection findings under the Contract HMWSD 2/2020 (HY) for the period of 1 to 31 August 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 contract HY/2017/10 according to the EM&A manual requirement. One establishment period inspection was undertaken during this reporting period for the planting area HY/2012/07 & HY/2013/12 separately.
- 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



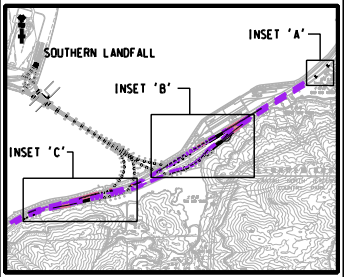
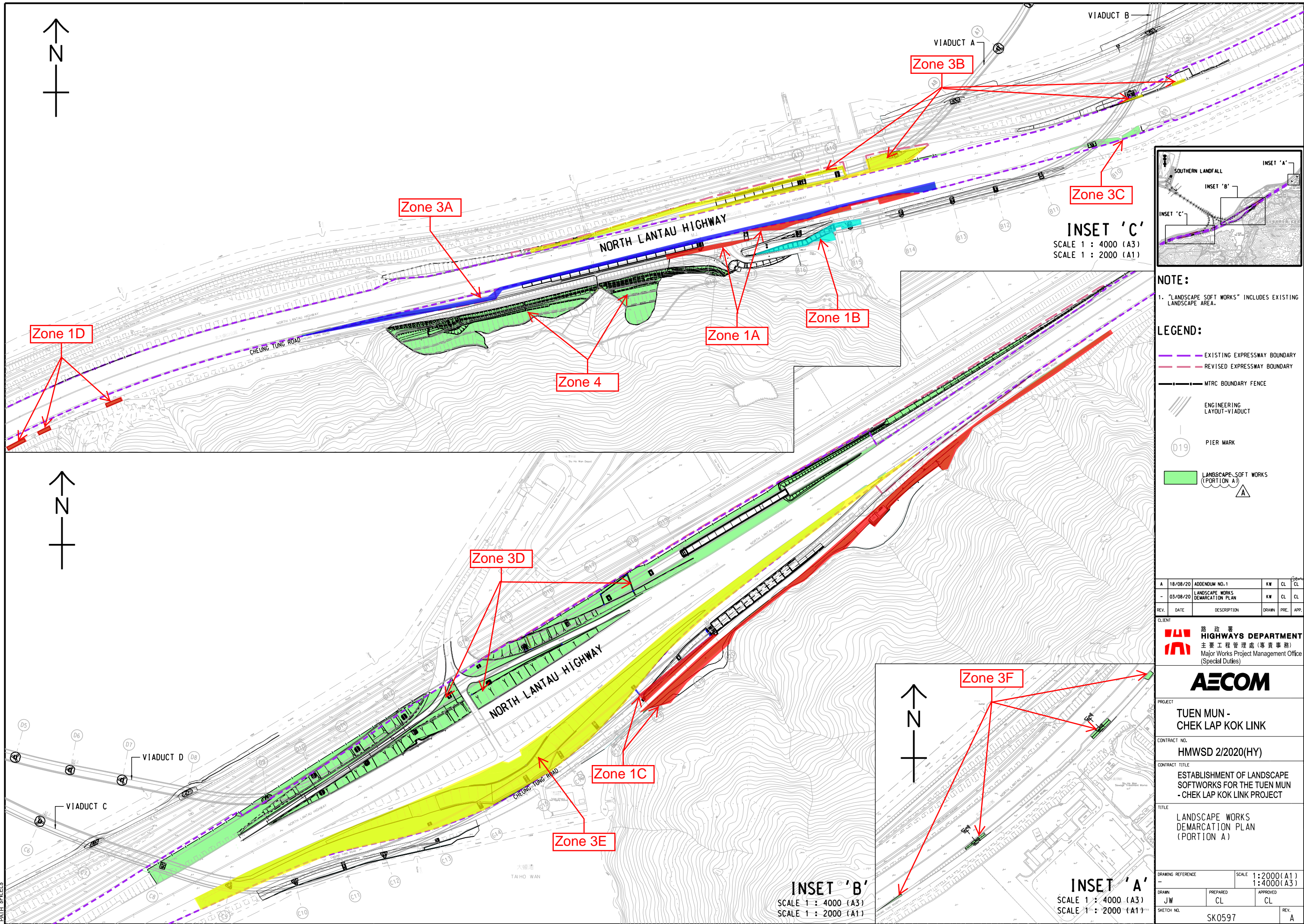
Environmental Permit No.: EP-354/2009/D
 環境許可證編號：EP-354/2009/D

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
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

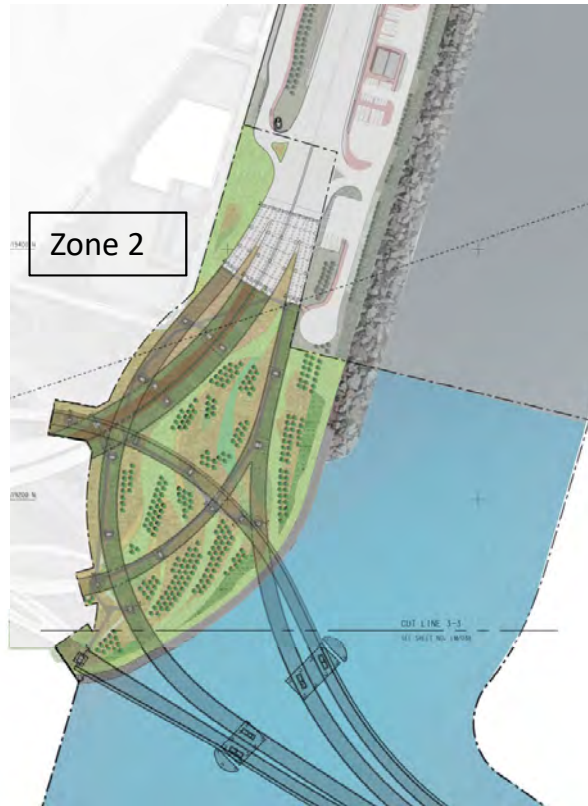
CONTRACT NO.
HMWSD 2/2020(HY)

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

TITLE
 LANDSCAPE WORKS DEMARCATION PLAN (PORTION A)

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

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



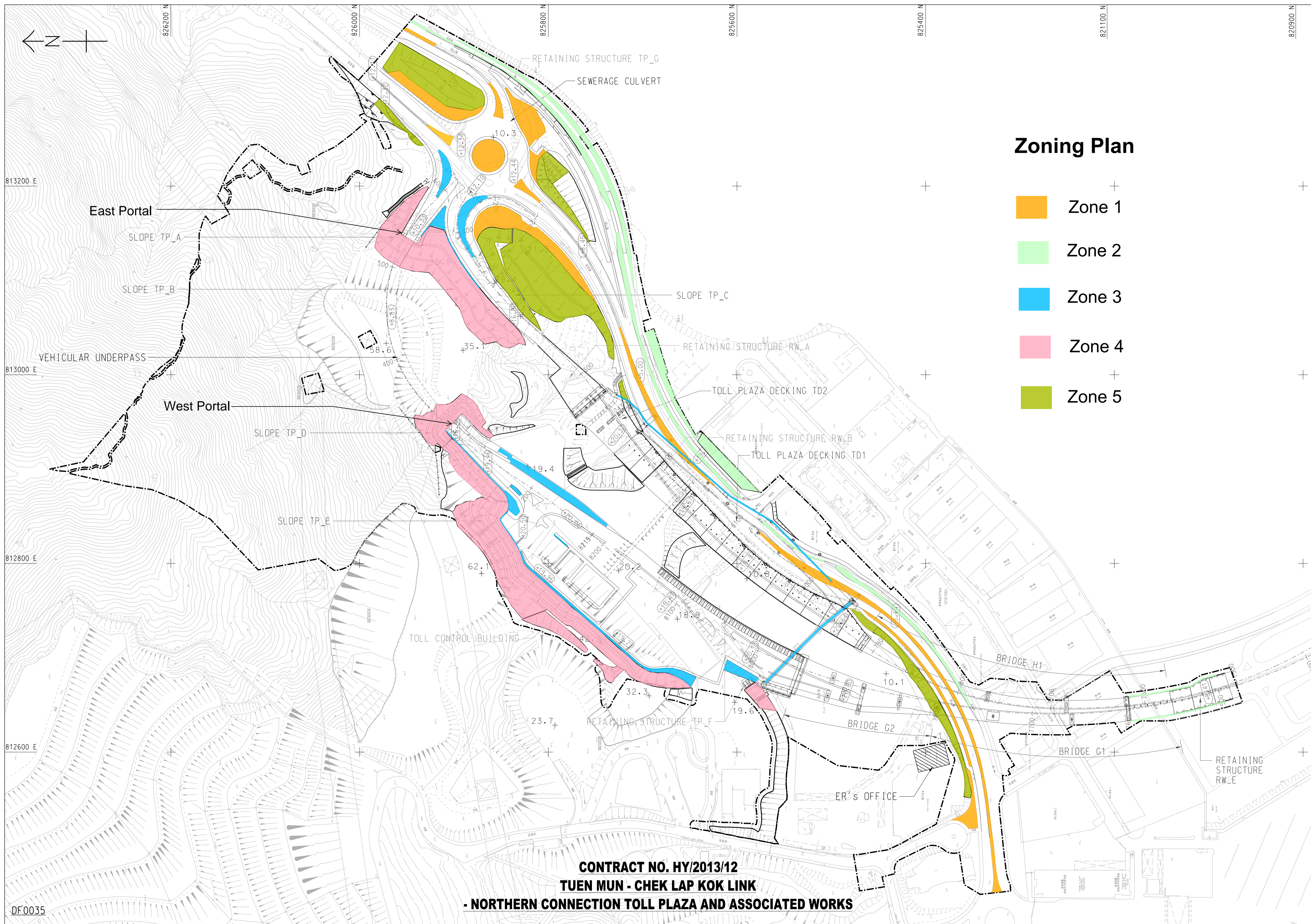
Contract No. HY/2017/10
TUEN MUN-CHEK LAP KOK LINK
- NORTHERN CONNECTION TUNNEL BUILDINGS,
ELECTRICAL AND MECHANICAL WORKS

ZONING PLAN – LANDSCAPE WORKS MONITORING (ESTABLISHMENT WORKS)

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

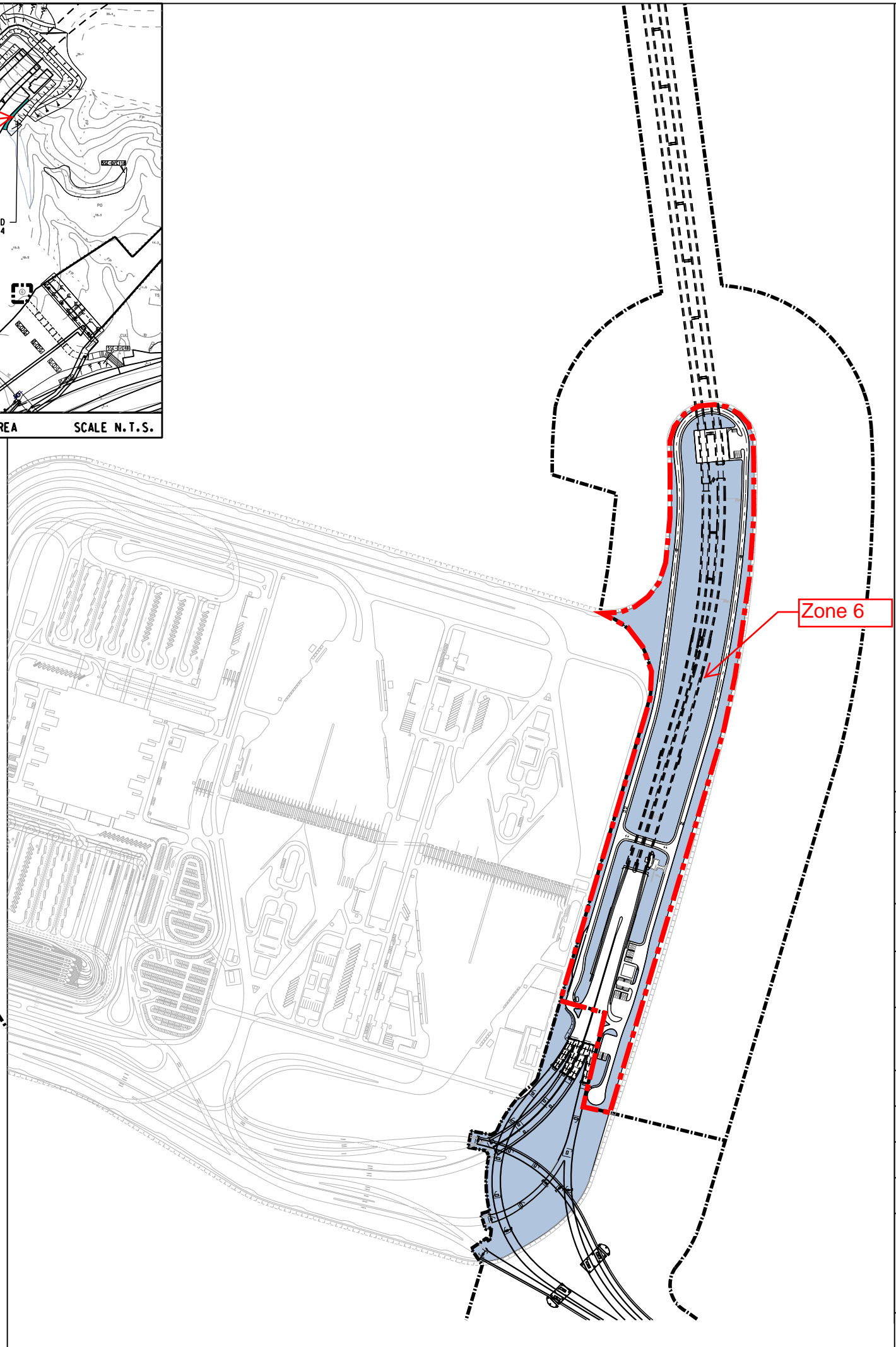
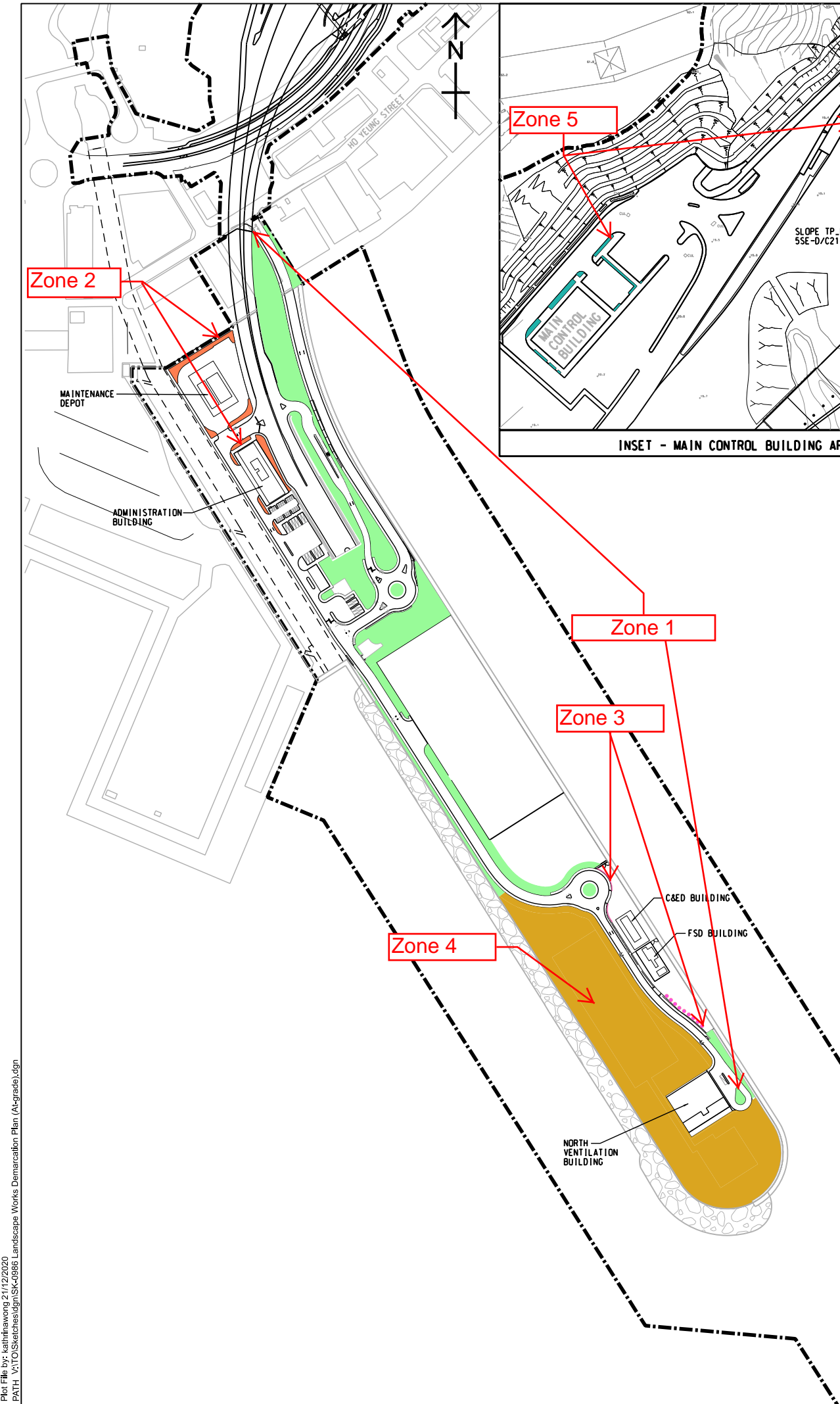
Monitoring of the establishment works continue under Contract No. HY/2017/10.

Planting Area under Contract HY/2013/12



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/

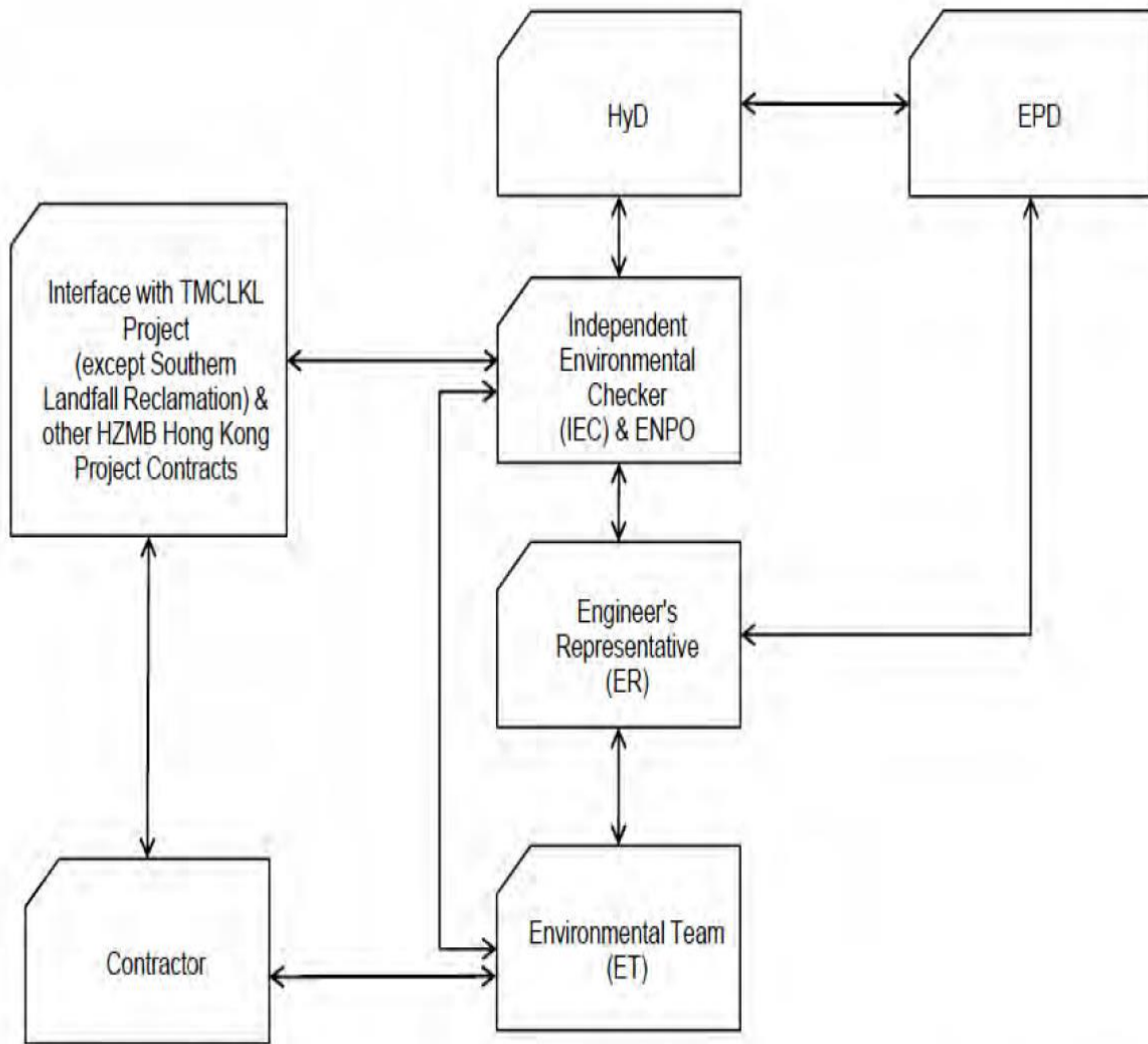
| CHECKED | PREPARED | DRAWN |
|---------|----------|-------|
| CL | CD | KW |

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 |
|------|--------------|--|---|--------------------------------|--------------------------------|
| Sun | 1-August-21 | | | | |
| Mon | 2-August-21 | | | | |
| Tue | 3-August-21 | | | | |
| Wed | 4-August-21 | | | | |
| Thu | 5-August-21 | | | | |
| Fri | 6-August-21 | | | | |
| Sat | 7-August-21 | | | | |
| Sun | 8-August-21 | | | | |
| Mon | 9-August-21 | | | | |
| Tue | 10-August-21 | | ✓ | | |
| Wed | 11-August-21 | | | | |
| Thu | 12-August-21 | | | | |
| Fri | 13-August-21 | | | | |
| Sat | 14-August-21 | | | | |
| Sun | 15-August-21 | | | | |
| Mon | 16-August-21 | ✓ | | | |
| Tue | 17-August-21 | | | | |
| Wed | 18-August-21 | | | ✓ | |
| Thu | 19-August-21 | | | | |
| Fri | 20-August-21 | | | | |
| Sat | 21-August-21 | | | | |
| Sun | 22-August-21 | | | | |
| Mon | 23-August-21 | | | | |
| Tue | 24-August-21 | | | | |
| Wed | 25-August-21 | | | | |
| Thu | 26-August-21 | | | | |
| Fri | 27-August-21 | | | | |
| Sat | 28-August-21 | | | | |
| Sun | 29-August-21 | | | | |
| Mon | 30-August-21 | | | | |
| Tue | 31-August-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-September-21 | | | | |
| Thu | 2-September-21 | | | | |
| Fri | 3-September-21 | | | | |
| Sat | 4-September-21 | | | | |
| Sun | 5-September-21 | | | | |
| Mon | 6-September-21 | | | | |
| Tue | 7-September-21 | | | | |
| Wed | 8-September-21 | | | | |
| Thu | 9-September-21 | | | | |
| Fri | 10-September-21 | | | | |
| Sat | 11-September-21 | | | | |
| Sun | 12-September-21 | | | | |
| Mon | 13-September-21 | | | | |
| Tue | 14-September-21 | | | | |
| Wed | 15-September-21 | | | | |
| Thu | 16-September-21 | | | | |
| Fri | 17-September-21 | | | | |
| Sat | 18-September-21 | | | | |
| Sun | 19-September-21 | | | | |
| Mon | 20-September-21 | | | | ✓ |
| Tue | 21-September-21 | | | | |
| Wed | 22-September-21 | | | | |
| Thu | 23-September-21 | | | | |
| Fri | 24-September-21 | | | | ✓ |
| Sat | 25-September-21 | | | | |
| Sun | 26-September-21 | | | | |
| Mon | 27-September-21 | | | | |
| Tue | 28-September-21 | | | | |
| Wed | 29-September-21 | | | | |
| Thu | 30-September-21 | | | | |

| | |
|---|--------------------------|
| ✓ | Monitoring Day |
| | Sunday or Public Holiday |

Appendix F

Checklist for Establishment Works Monitoring

Inspection Date: 16 August 2021

Inspected By: AUES

Time: 9:30 – 16:00

Weather Condition: Sunny with a few shower

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"/> | <u>Obs. 4</u> |
| 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. 5</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 4 May 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. According to the information from DSD, the works still in progress and the slope will be reinstated after the construction works is completed.
2. The trees (*Phoenix roebelenii*) on slope (9SE-B/F85) became wilted and construction materials from DSD drainage works were storage near the planting area. The Contractor/RSS should liaison with DSD Contract to reinstate the planting area.
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*)

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. According to the information from DSD, the works still in progress and the slope will be reinstated after the construction works is completed.
2. The trees (*Phoenix roebelenii*) on slope (9SE-B/F85) became wilted and construction materials from DSD drainage works were storage near the planting area. The Contractor/RSS should liaison with DSD Contract to reinstate the planting area.
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 were observed at Zone 3D, regularly weeding should be provided.
5. 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

Signature: 

Title: Environmental Consultant

Date: 16 August 2021

Reviewed by
(RSS Landscape
Representative): Candy Lau

Signature: *Candy*

Title: Senior Landscape Architect

Date: 10 September 2021

Contractor's
Representative: MAN KWOK HING

Signature: 

Title: *Project Manager*



Date: 01 SEP 2021

Checked by
(IEC's Representative): Rachel Wong

Signature: 

Title: Assistant Environmental Consultant

Date: 16 August 2021

| Location | Photo | Information |
|------------------------|---|---|
| Zone 1B (9SE-B/F85) |  | <p>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. According to the information from DSD, the works still in progress and the slope will be reinstated after the construction works is completed.</p> |
| Zone 1B (9SE-B/F85) |  | <p>Follow-up action 2 & Observation 2: The trees (<i>Phoenix roebelenii</i>) on slope (9SE-B/F85) became wilted and construction materials from DSD drainage works were storage near the planting area. The Contractor/RSS should liaison with DSD Contract to reinstate the planting area.</p> |

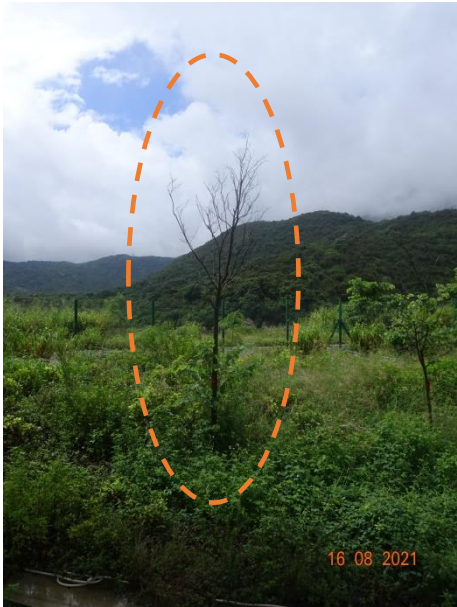


Zone 3E
(10NW-C/F13 & 14)



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



Observation 4: Overgrown plants/grasses were observed at Zone 3D, regularly weeding should be provided.

Zone 4



Observation 5: 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

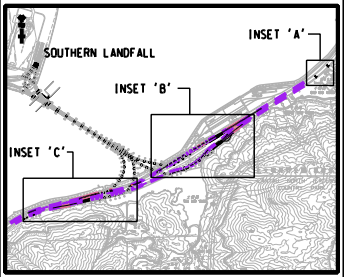
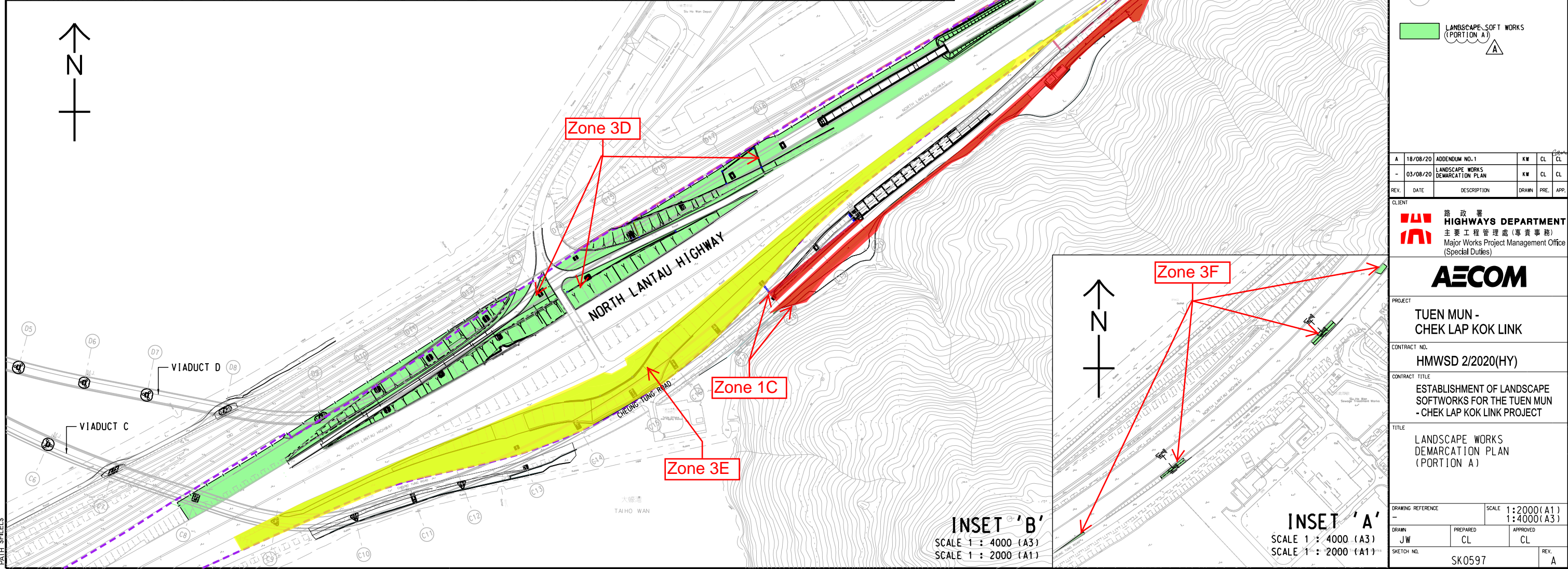
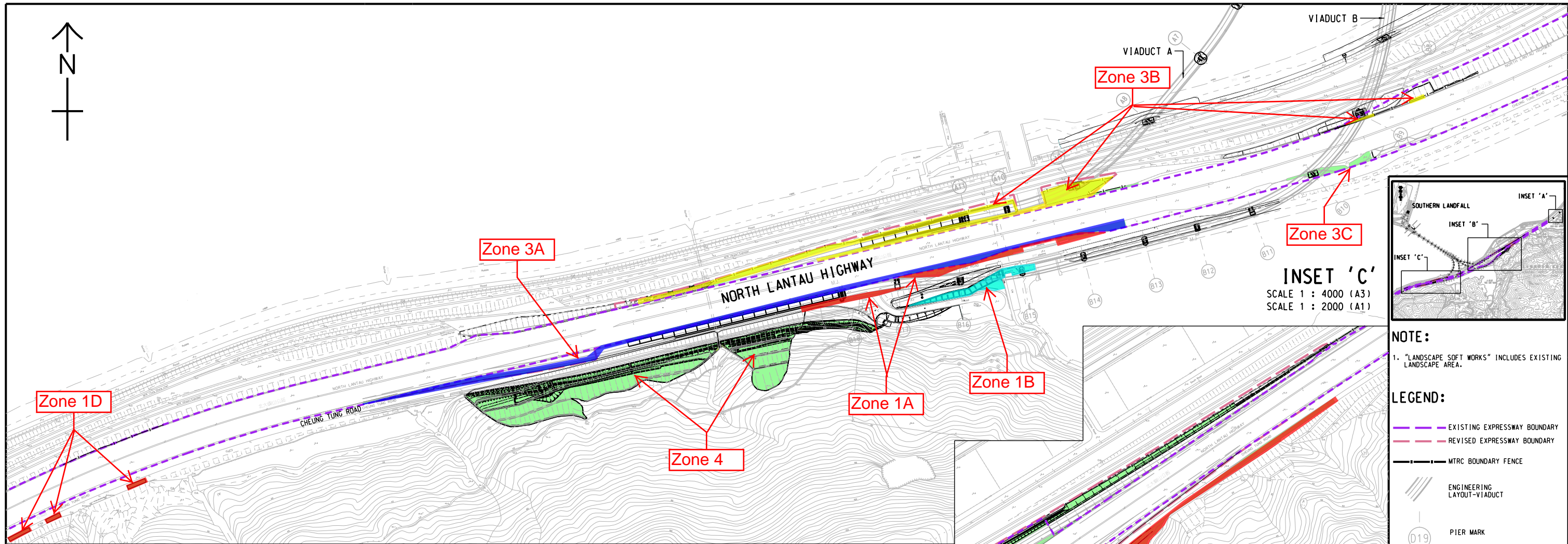


General View for Zone 4



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

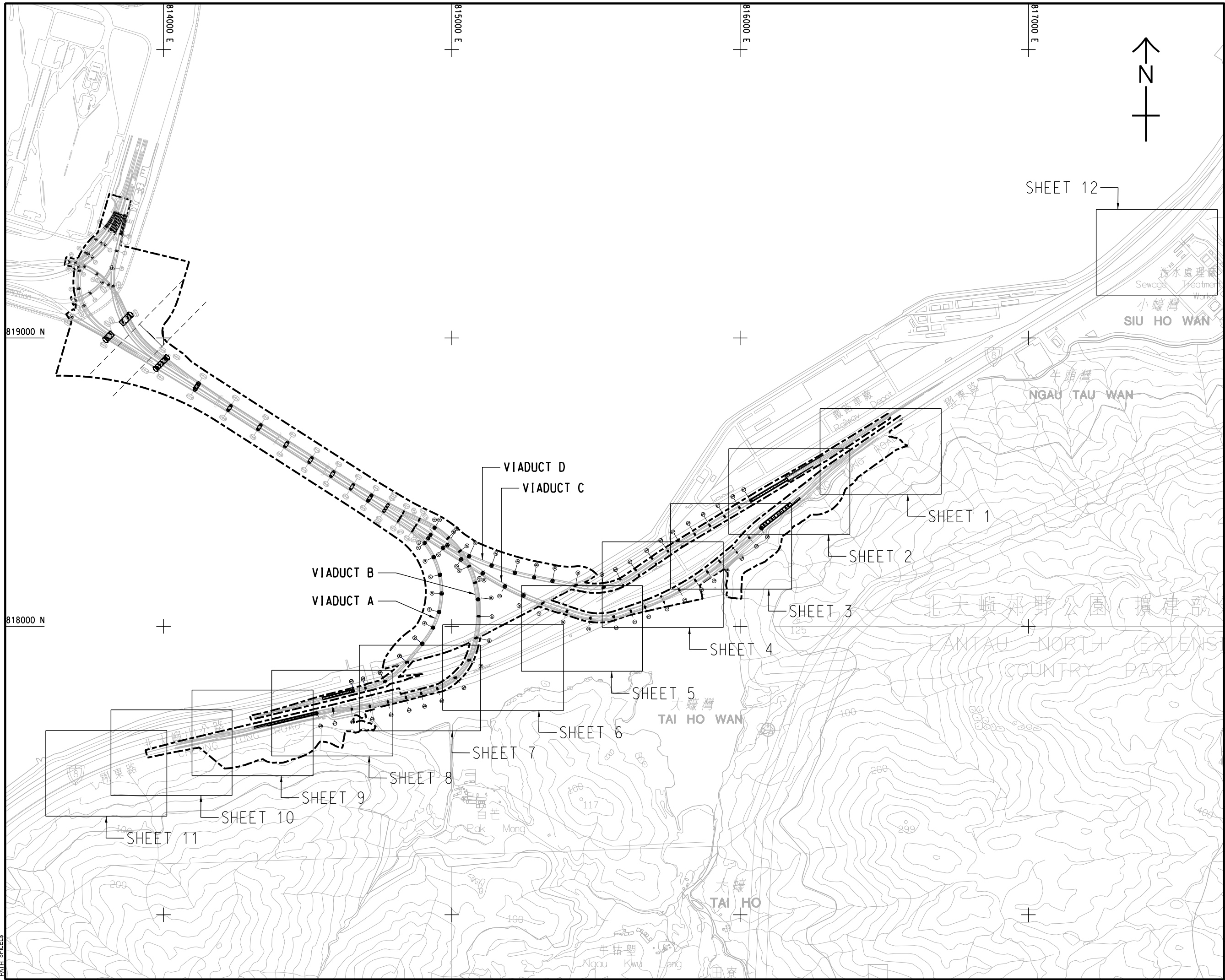
CONTRACT NO.
HMWS2 2/2020(HY)

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) | |
| - | | 1:4000(A3) | |
| DRAWN | PREPARED | APPROVED | REV. |
| JW | CL | CL | A |
| SKETCH NO. | | | REV. |
| SK0597 | | | A |

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

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

AECOM

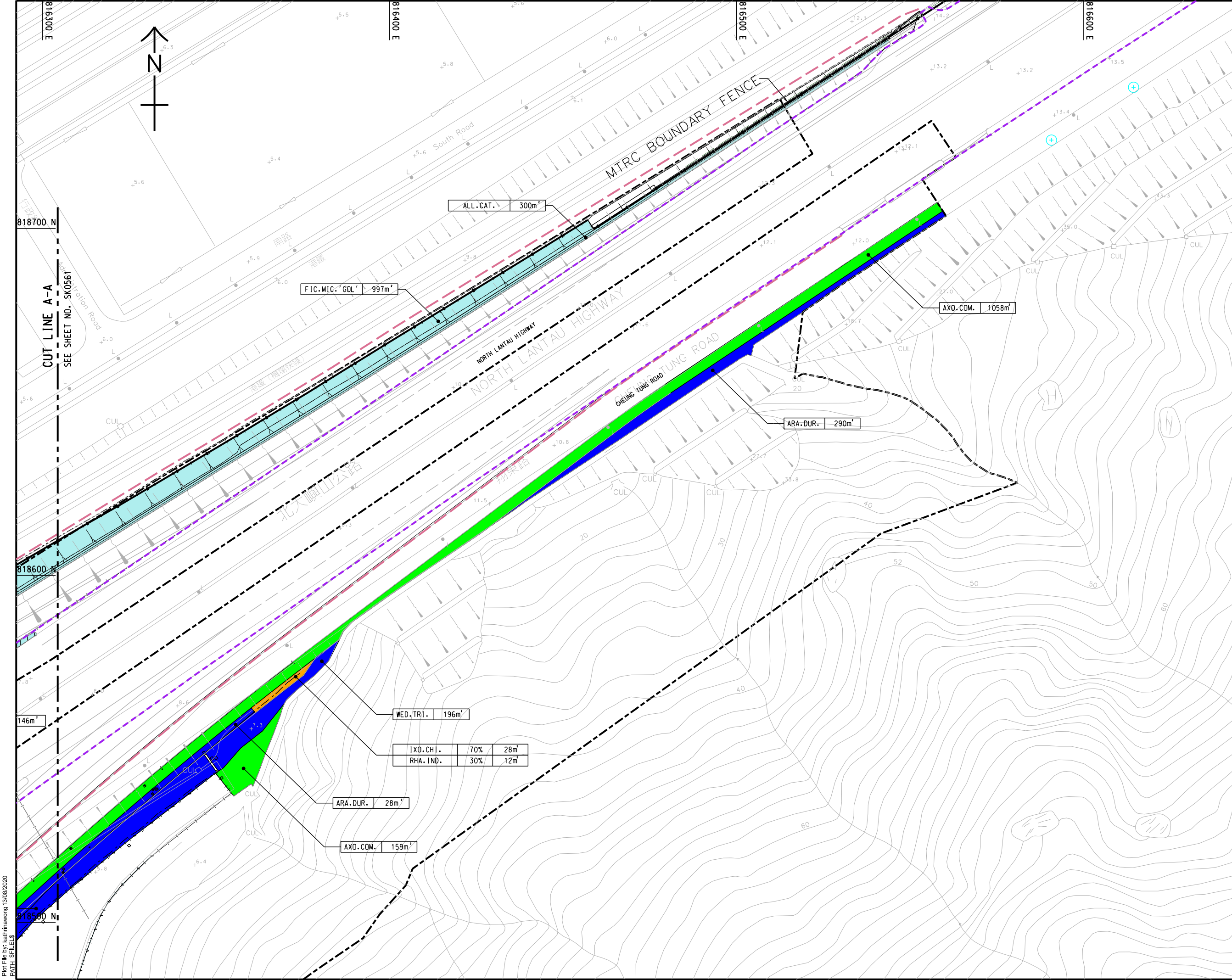
PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

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

TITLE
LANDSCAPE KEY PLAN (PORTION A)

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



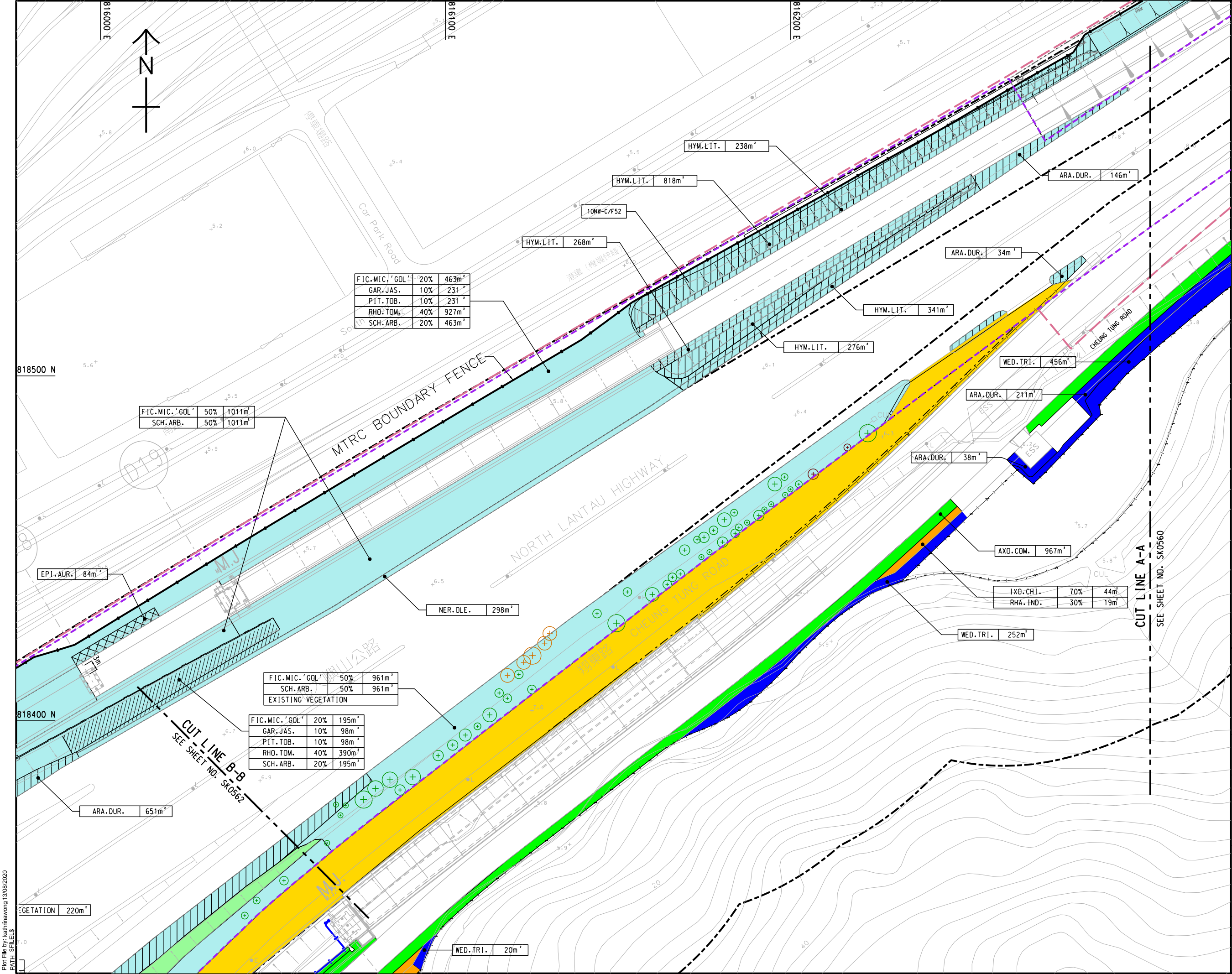
NOTES:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

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 | PREP. | APP. |
| - | 23/06/20 | SHRUB 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) | | | | | |
| PROJECT | | | | | |
| TUEN MUN - CHEK LAP KOK LINK 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)

| | | | | | |
|------|----------|---------------------|-------|------|------|
| 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)

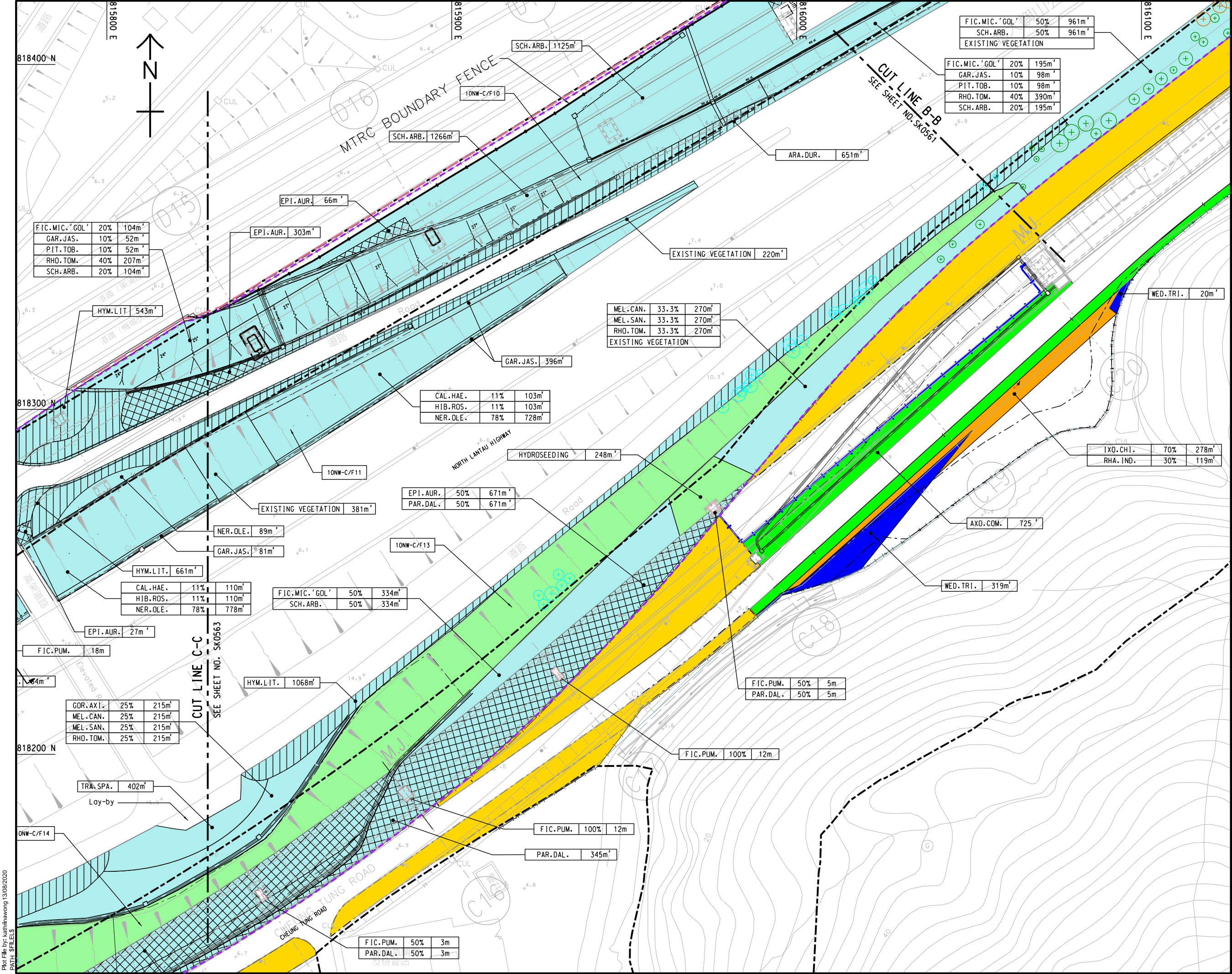
SHEET 2 OF 12

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

| | | |
|-------|----------|----------|
| DRAWN | PREPARED | APPROVED |
| KW | CL | CL |

SKETCH NO. SK0561

Plot File by: kashinwanong 13/08/2020
 PATH: SP11E15



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
 - 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)

| | | | | | |
|------|----------|---------------------|-------|-------|------|
| REV. | DATE | DESCRIPTION | DRAWN | PREP. | APP. |
| - | 23/06/20 | SHRUB 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

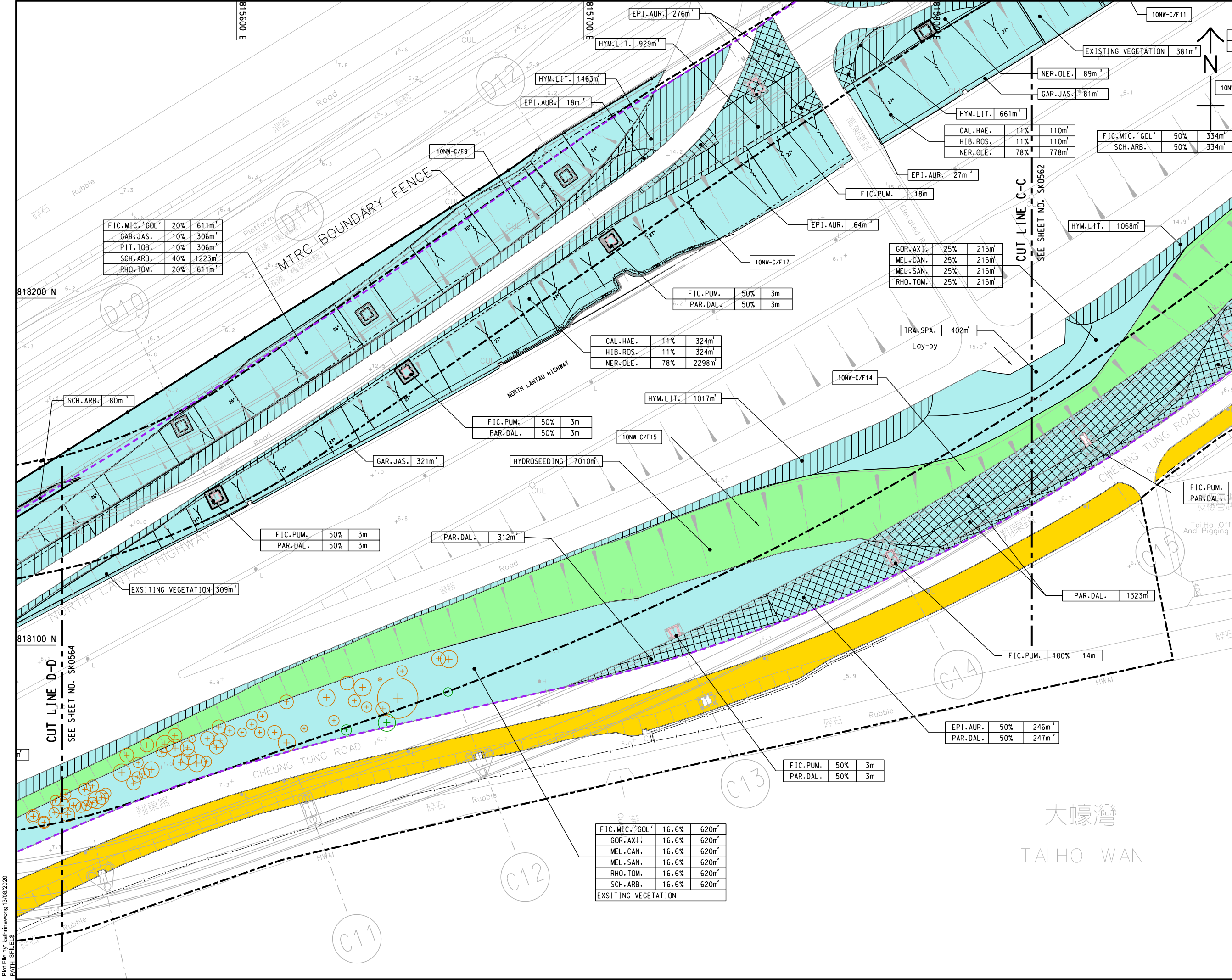
PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
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. | |
| SK0562 | - | |



| | | |
|---------------|-----|--------------------|
| 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.PUM. | 50% | 3m |
| PAR.DAL. | 50% | 3m |

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

| | | |
|---------------|-----|-------------------|
| FIC.MIC.'GOL' | 50% | 334m ² |
| SCH.ARB. | 50% | 334m 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 | | |

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

AECOM

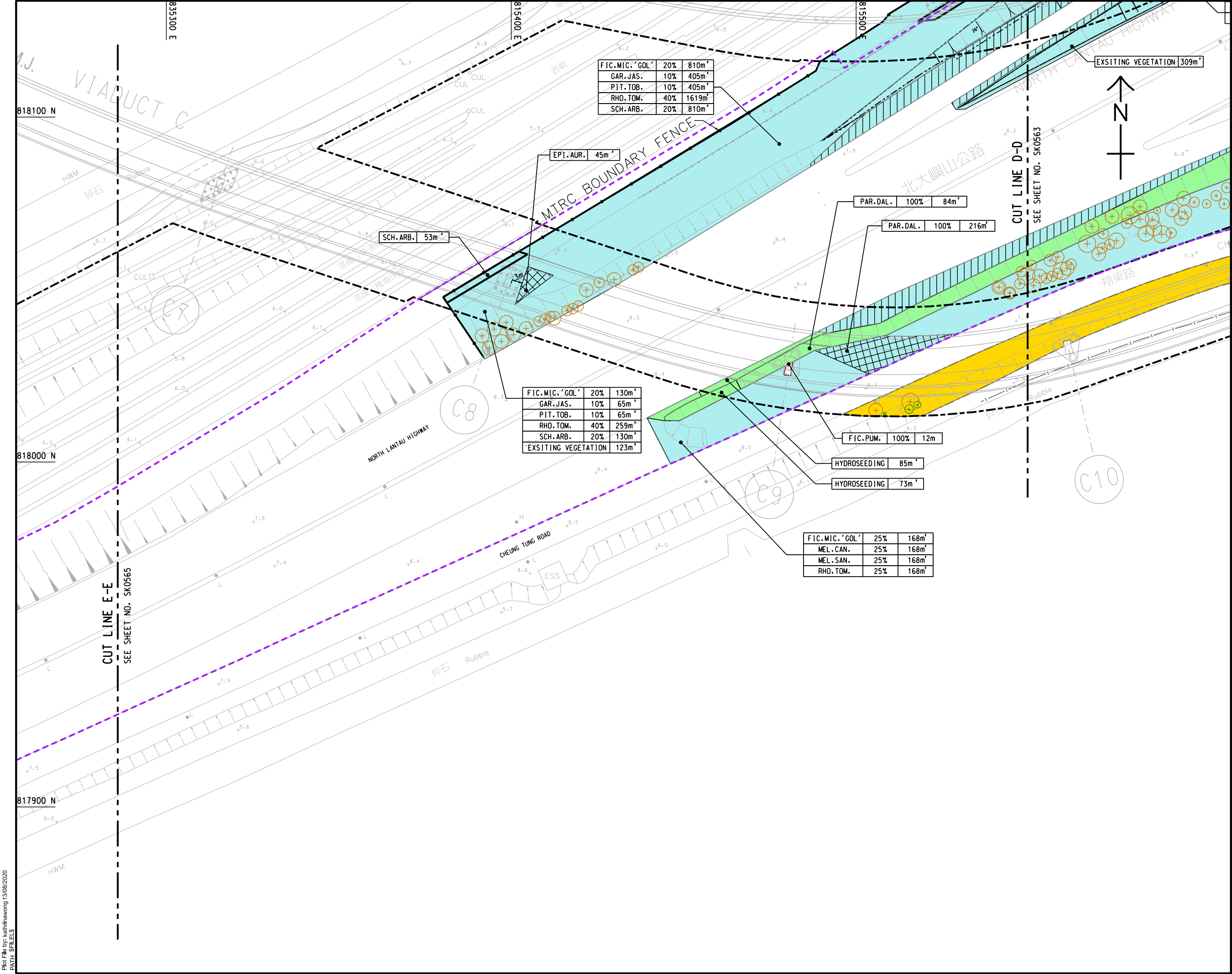
PROJECT
TUEN MUN - CHEK LAP KOK LINK
 CONTRACT NO.
HMWSD 2/2020(HY)
 CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

TITLE
SHRUB PLANTING PLAN (PORTION A)

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

| | | |
|-------|----------|----------|
| DRAWN | PREPARED | APPROVED |
| KW | CL | CL |

SKETCH NO. SK0563



| | | |
|---------------|-----|--------|
| FIC.MIC.'GOL' | 20% | 810m' |
| GAR.JAS. | 10% | 405m' |
| PIT.TOB. | 10% | 405m' |
| RHO.TOM. | 40% | 1619m' |
| SCH.ARB. | 20% | 810m' |

| | | |
|---------------------|-----|-------|
| FIC.MIC.'GOL' | 20% | 130m' |
| GAR.JAS. | 10% | 65m' |
| PIT.TOB. | 10% | 65m' |
| RHO.TOM. | 40% | 259m' |
| SCH.ARB. | 20% | 130m' |
| EXISTING VEGETATION | | 123m' |

| | | |
|---------------|-----|-------|
| FIC.MIC.'GOL' | 25% | 168m' |
| MEL.CAN. | 25% | 168m' |
| MEL.SAN. | 25% | 168m' |
| RHO.TOM. | 25% | 168m' |

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

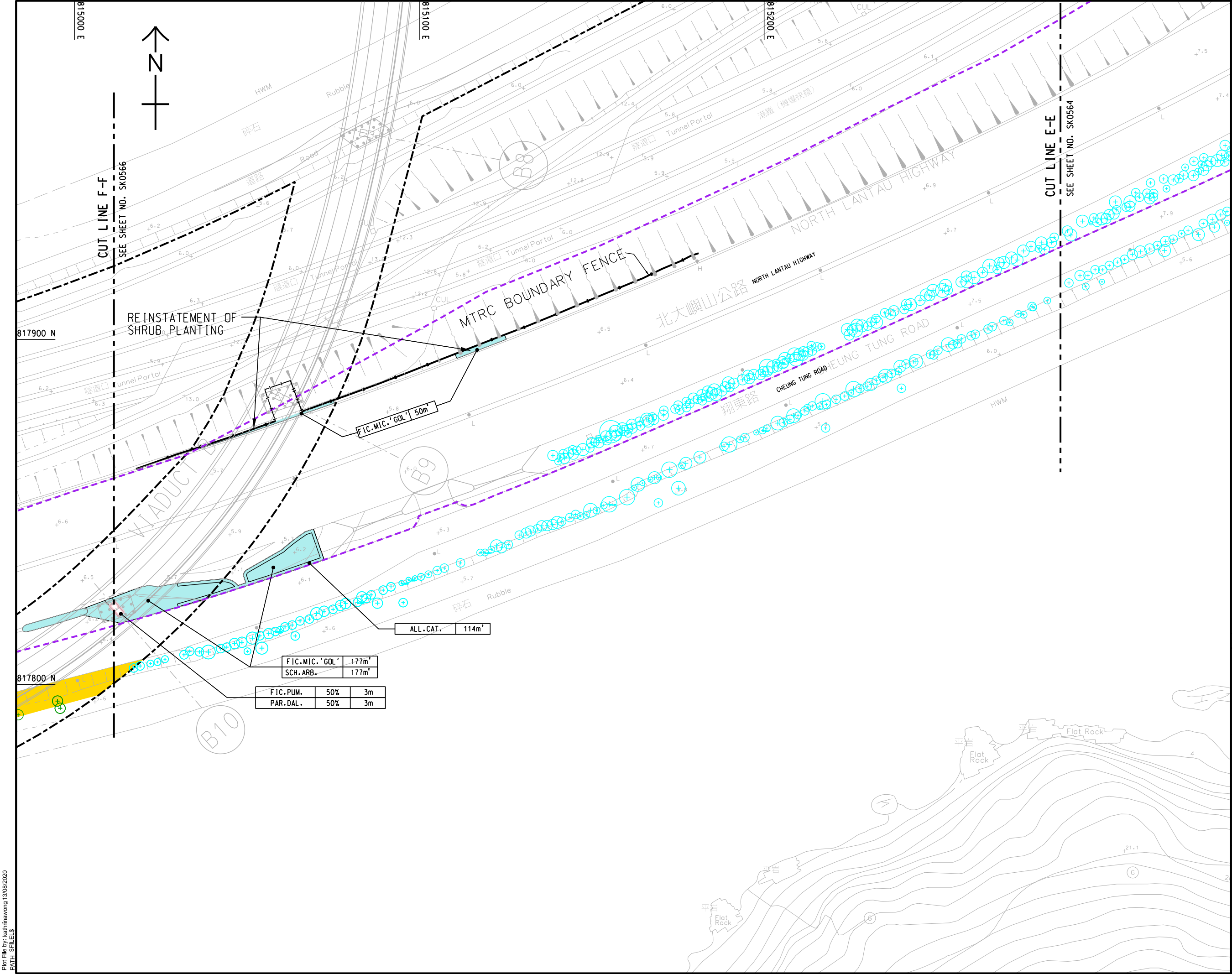
CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE 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
- 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

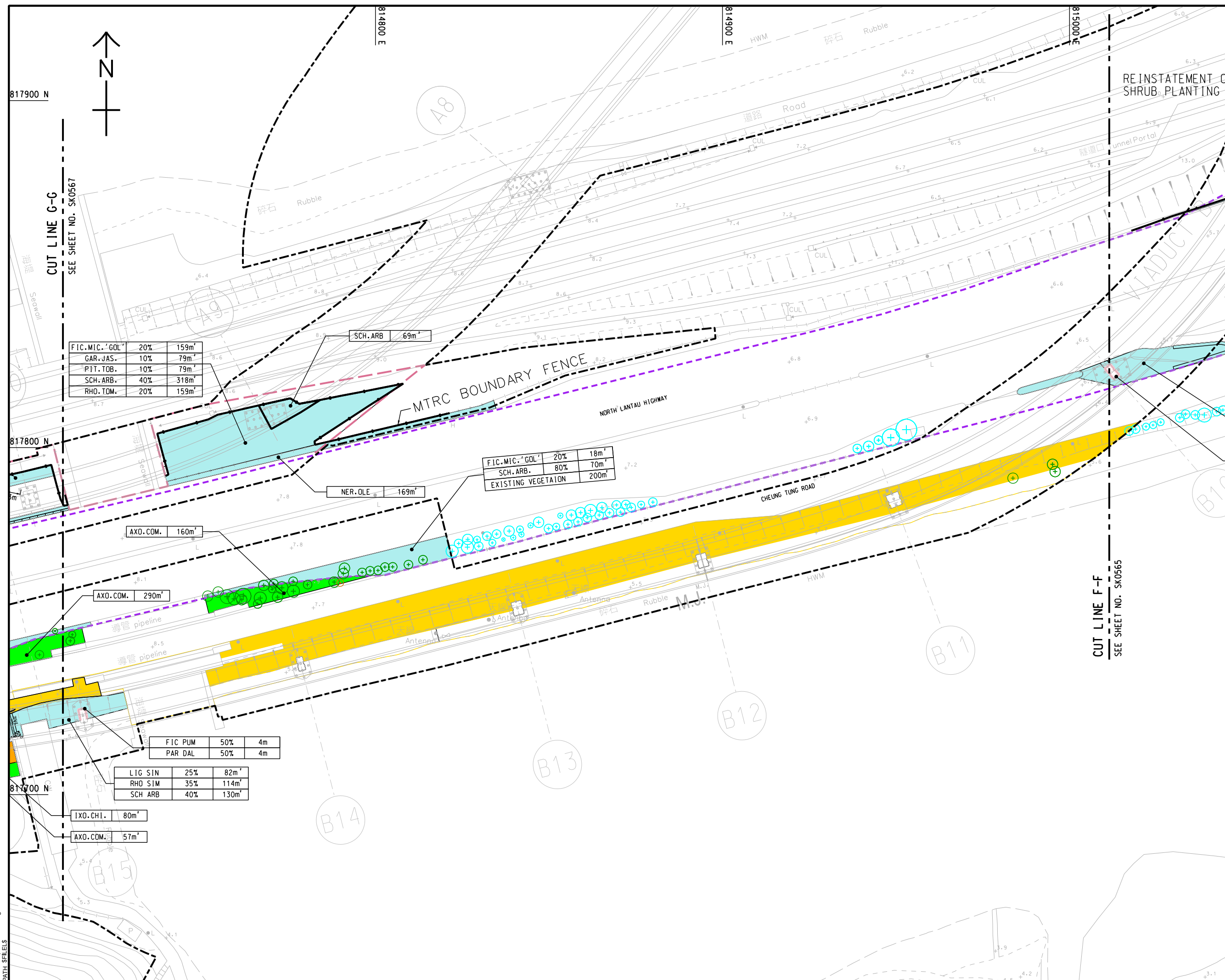
CONTRACT NO.
HMWS2 2/2020(HY)

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. | |
| SK0565 | | - | |

Plot File by: kahtinawong 13/08/2020
 PATH: SPL1E1S



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)

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

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

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

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

| | | | | | |
|------|----------|---------------------|-------|------|------|
| 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 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° 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 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. |

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)

| | | | |
|-------------------|----------|---------------------------------|------|
| DRAWING REFERENCE | | SCALE 1:500 (A1) 1:1000 (A3) | |
| DRAWN | PREPARED | APPROVED | REV. |
| 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
- PIER MARK
- 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 | PREP. | 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

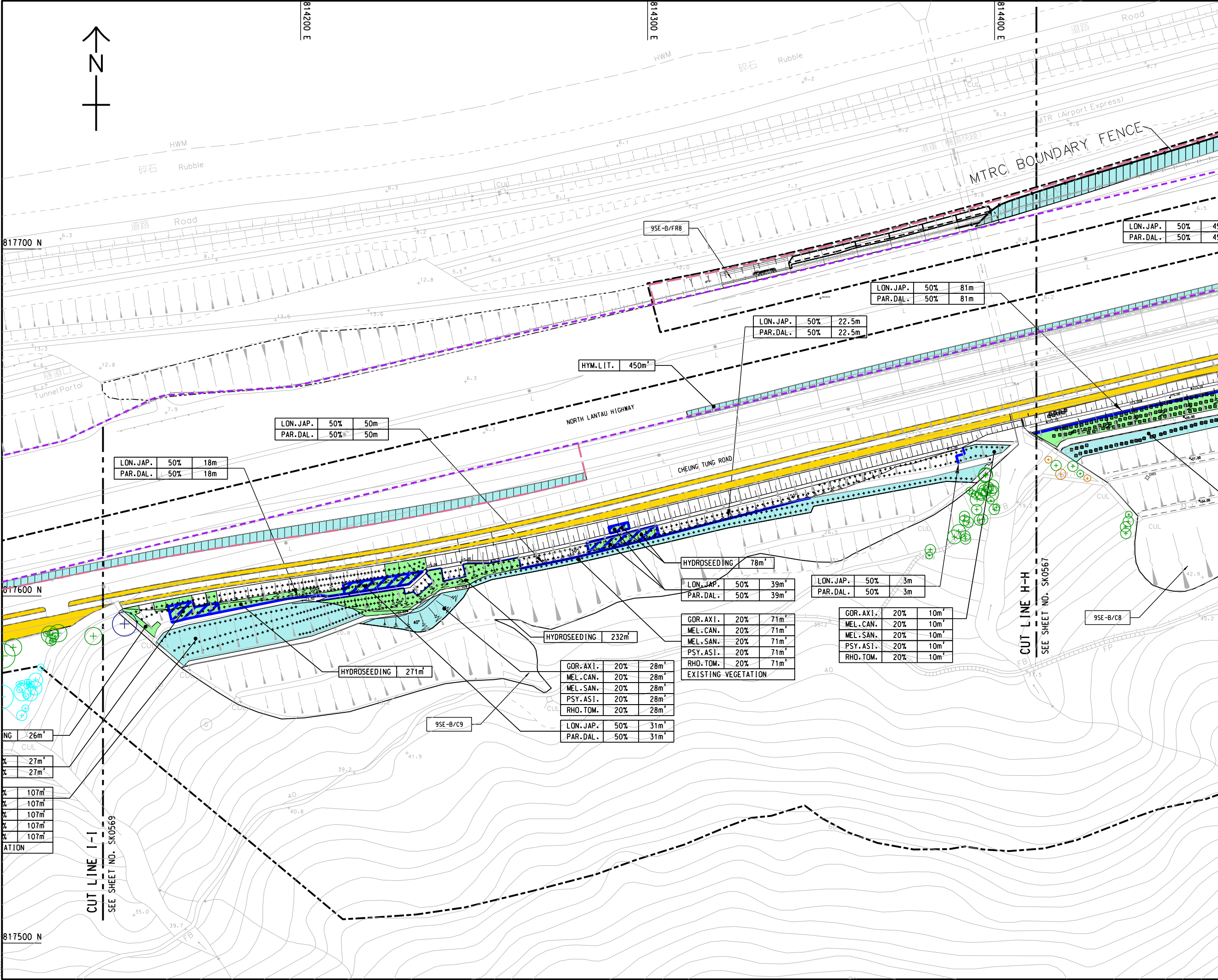
CONTRACT NO.
HMWSD 2/2020(HY)

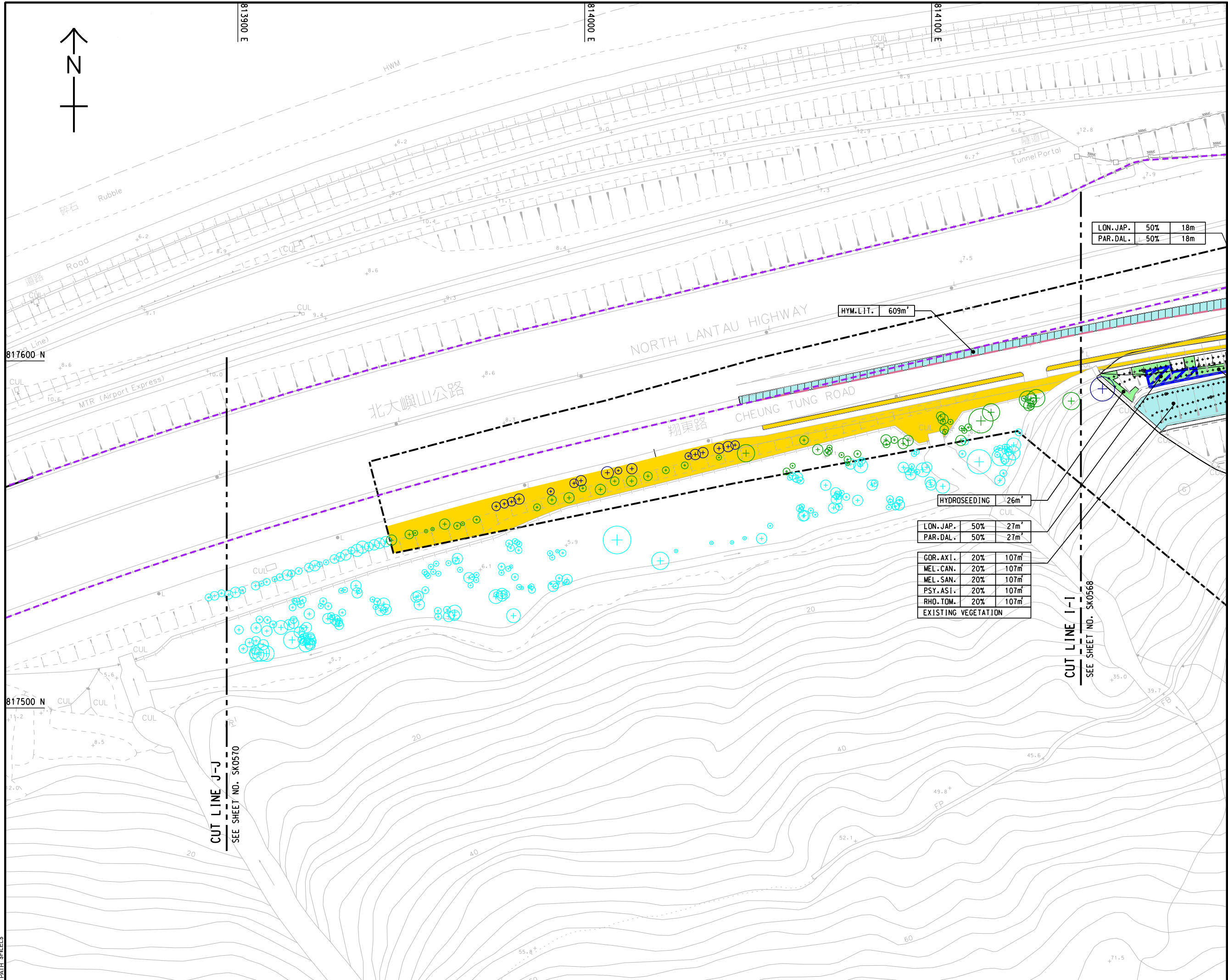
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

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 | - | |





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
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 Major Works Project Management Office
 (Special Duties)

AECOM

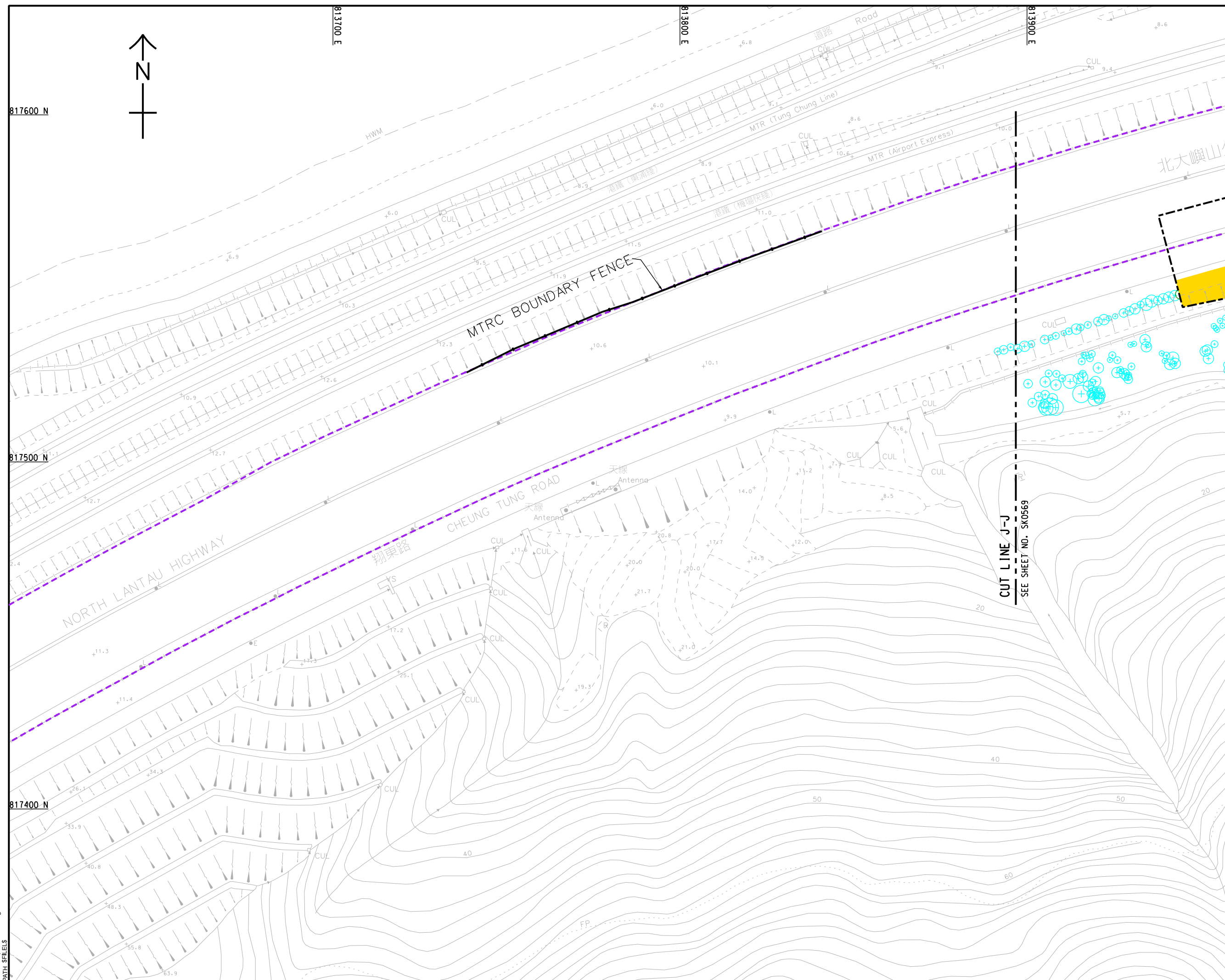
PROJECT
TUEN MUN - CHEK LAP KOK LINK

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. | - | |
| SK0569 | - | - | |



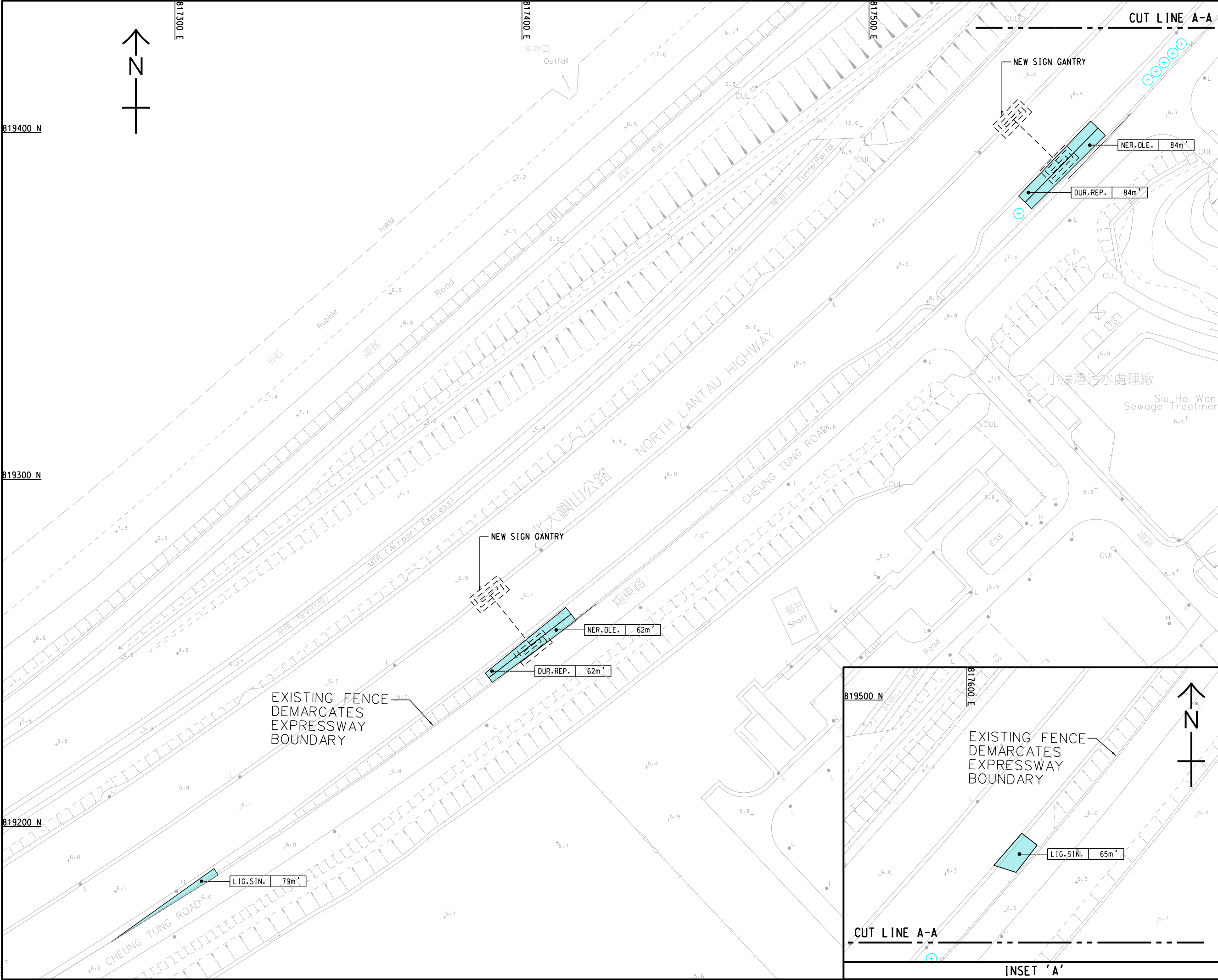
NOTES:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING NOS. SK0559 TO SK0585.

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 | | | | | |
| | | | | | |
| 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 11 OF 12 | | | | | |
| DRAWING REFERENCE | | | | SCALE | |
| - | | | | 1:500 (A1) 1:1000 (A3) | |
| DRAWN | PREPARED | APPROVED | | | |
| KW | CL | CL | | | |
| SKETCH NO. | | | | REV. | |
| SK0570 | | | | - | |

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



- NOTES:**
- 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. |

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



PROJECT
TUEN MUN - CHEK LAP KOK LINK

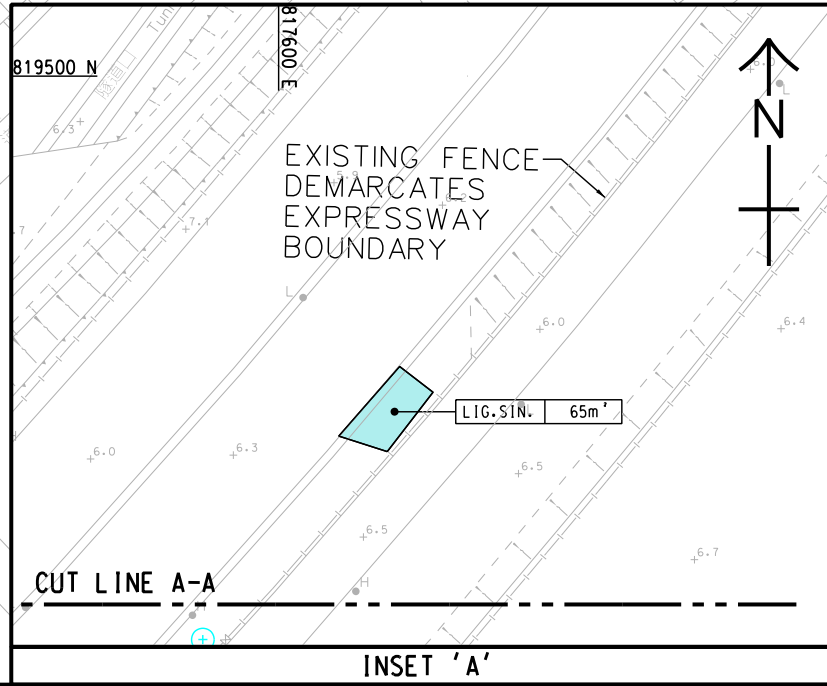
CONTRACT NO.
HMWSD 2/2020(HY)

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

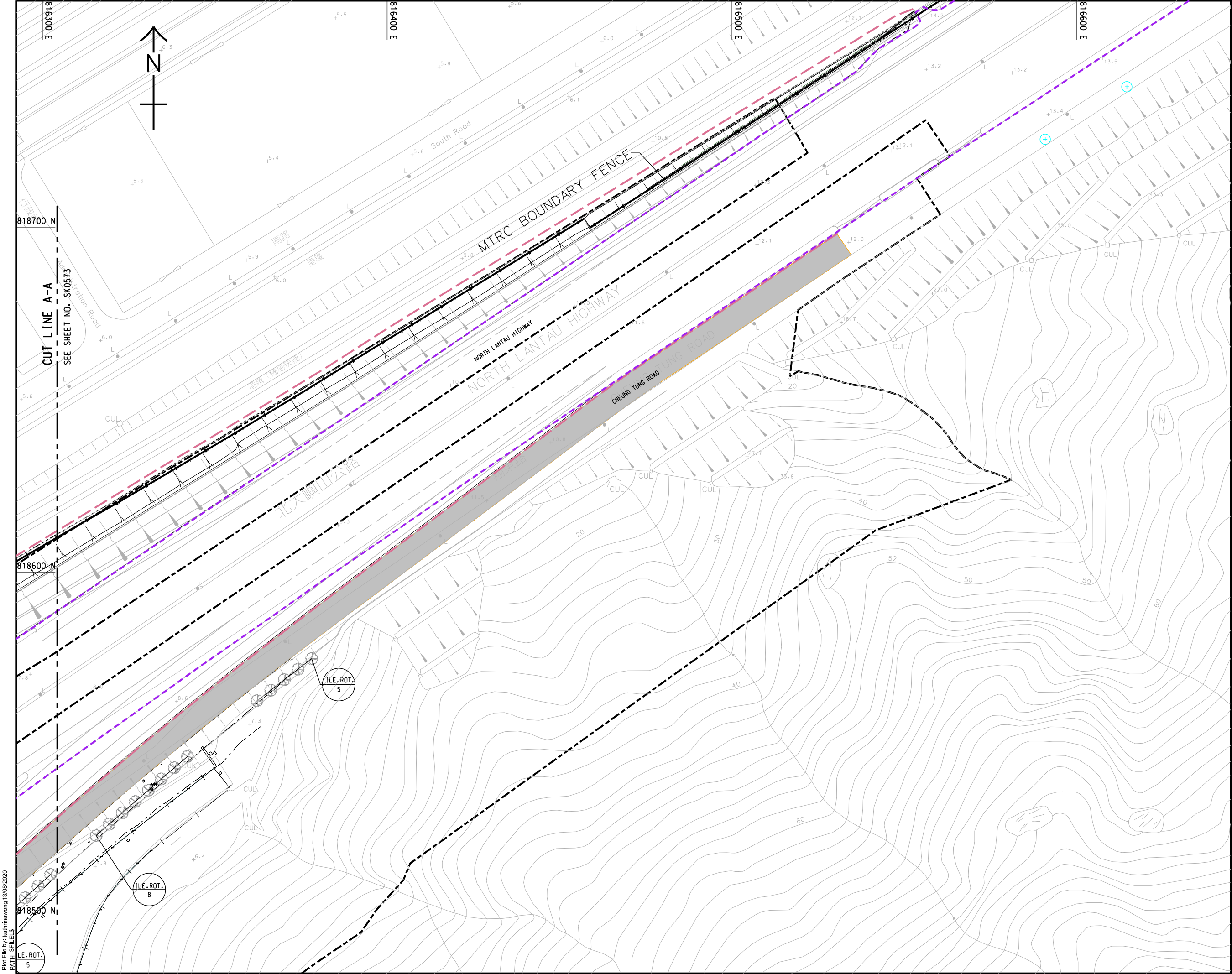
TITLE
SHRUB PLANTING PLAN (PORTION A)

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_SFILELS



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)

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

CLIENT

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HIGHWAYS DEPARTMENT
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Major Works Project Management Office
(Special Duties)



PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWS2 2/2020(HY)

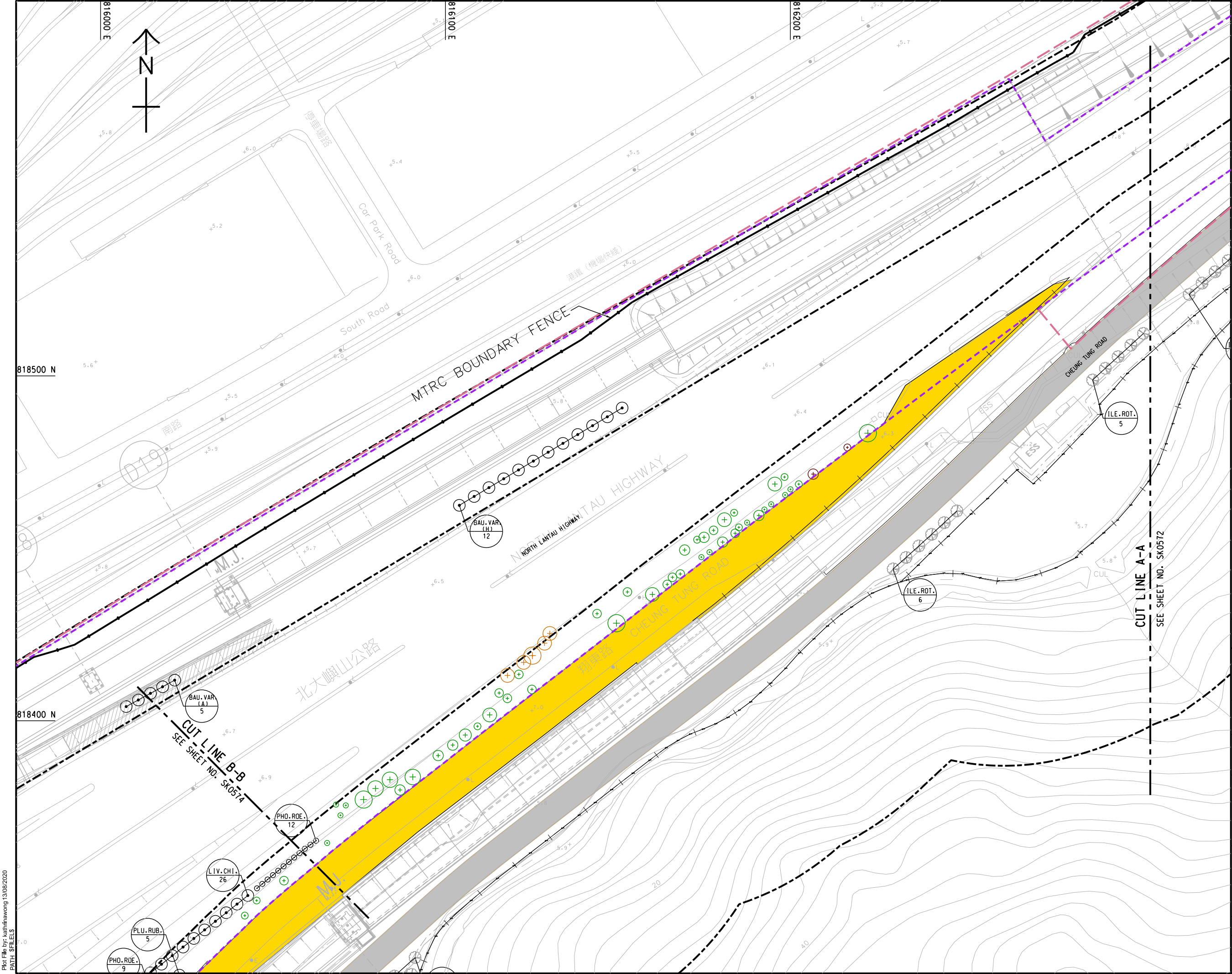
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWARES FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

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 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° SOILCUT SLOPE
- SOIL NAIL
- AREA UNDER CONTRACT NO. DC/2016/01
- TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
- 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 |

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 Major Works Project Management Office (Special Duties)



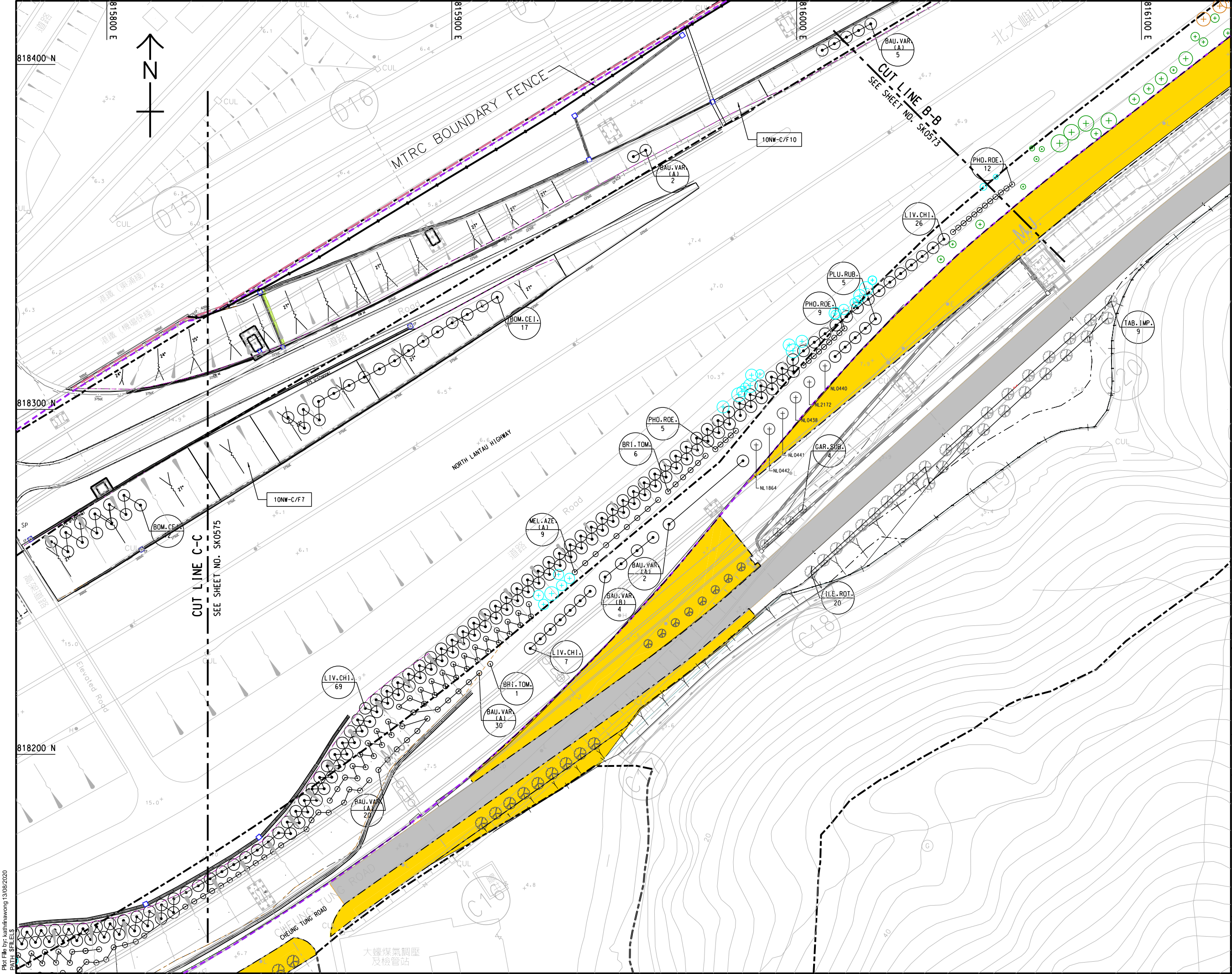
PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

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

| | | | |
|-------------------|----------|---------------------------|------|
| DRAWING REFERENCE | | SCALE | |
| - | | 1:500 (A1) 1:1000 (A3) | |
| DRAWN | PREPARED | APPROVED | REV. |
| KW | CL | 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
 - Y Y Y FILL SLOPE
 - MAX 70° ROCK CUT SLOPE
 - MAX 50° SOIL CUT SLOPE
 - +++ SOIL NAIL
 - AREA UNDER CONTRACT NO. DC/2016/01
 - (C) TREE, WITHIN EXPRESSWAY BOUNDARY OR ON SLOPE
 - (C) TREE
 - (C) TRANSPLANTED TREE, WITHIN EXPRESSWAY BOUNDARY
 - (C) TRANSPLANTED TREE
 - (C) 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
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 Major Works Project Management Office (Special Duties)

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWSD 2/2020(HY)

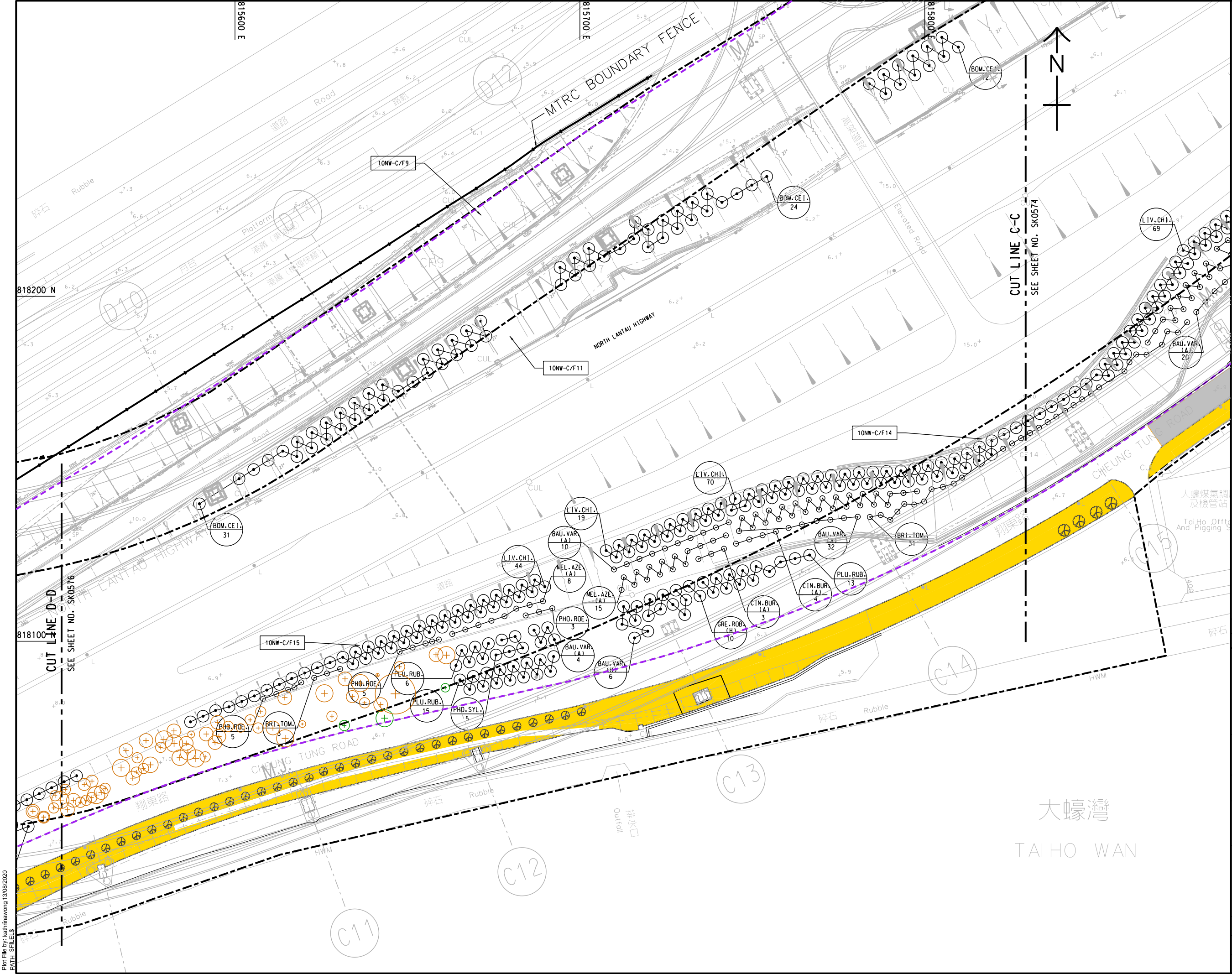
CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK PROJECT

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: 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
- 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 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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 Major Works Project Management Office
 (Special Duties)

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HMWS2 2/2020(HY)

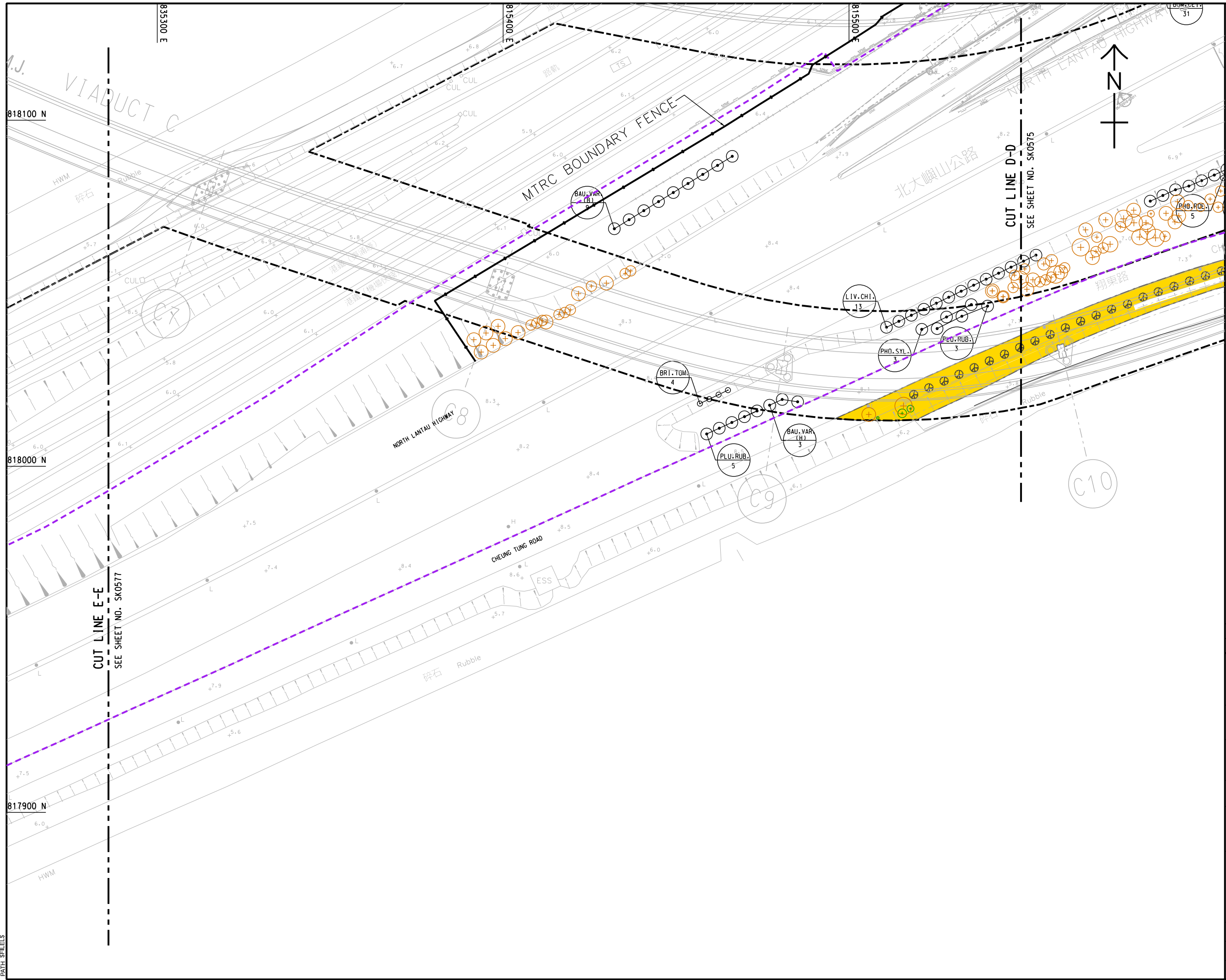
CONTRACT TITLE
 ESTABLISHMENT OF LANDSCAPE
 SOFTWARES FOR THE TUEN MUN
 - CHEK LAP KOK LINK PROJECT

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

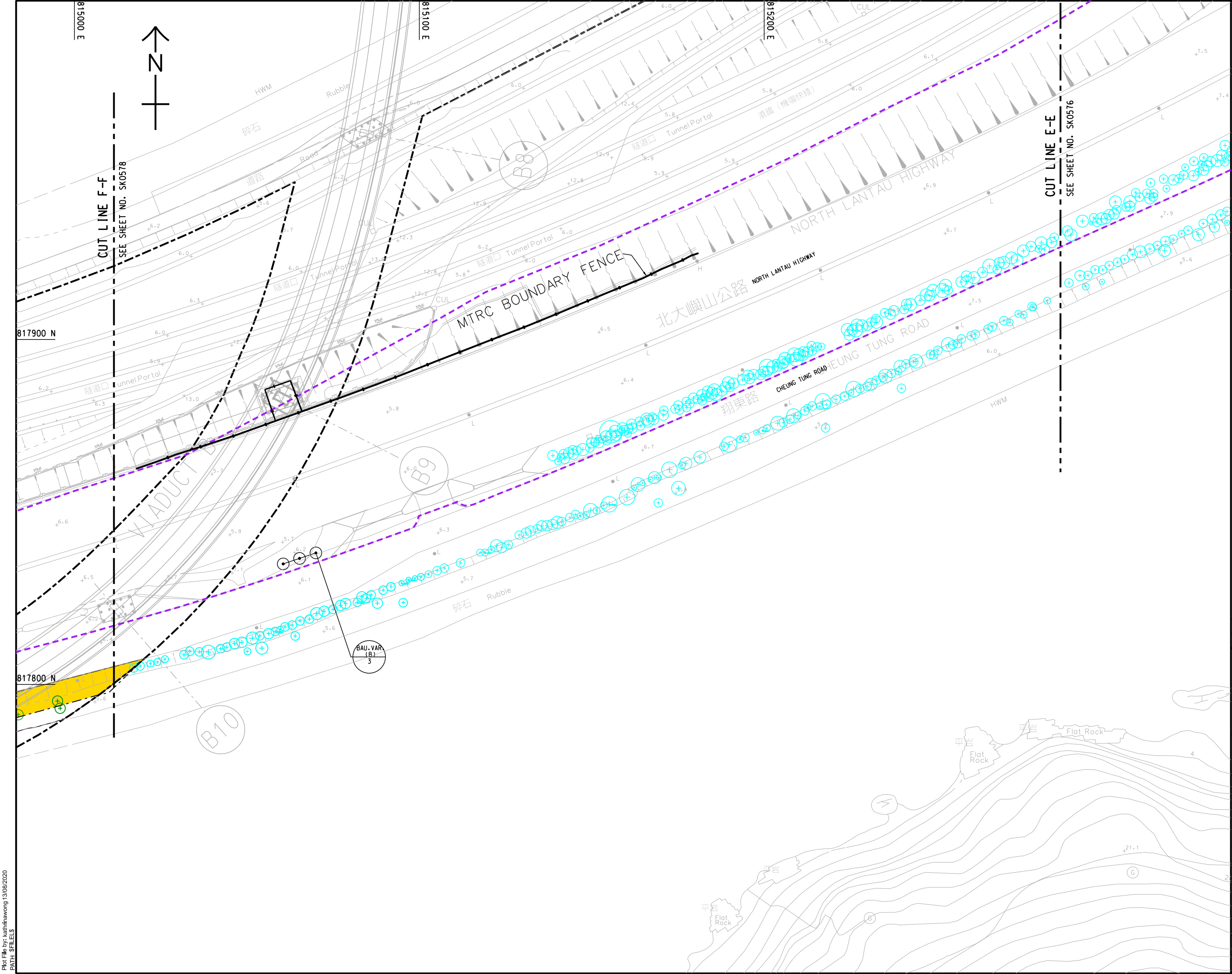
CONTRACT NO.
HMWSD 2/2020(HY)

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 | - |



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

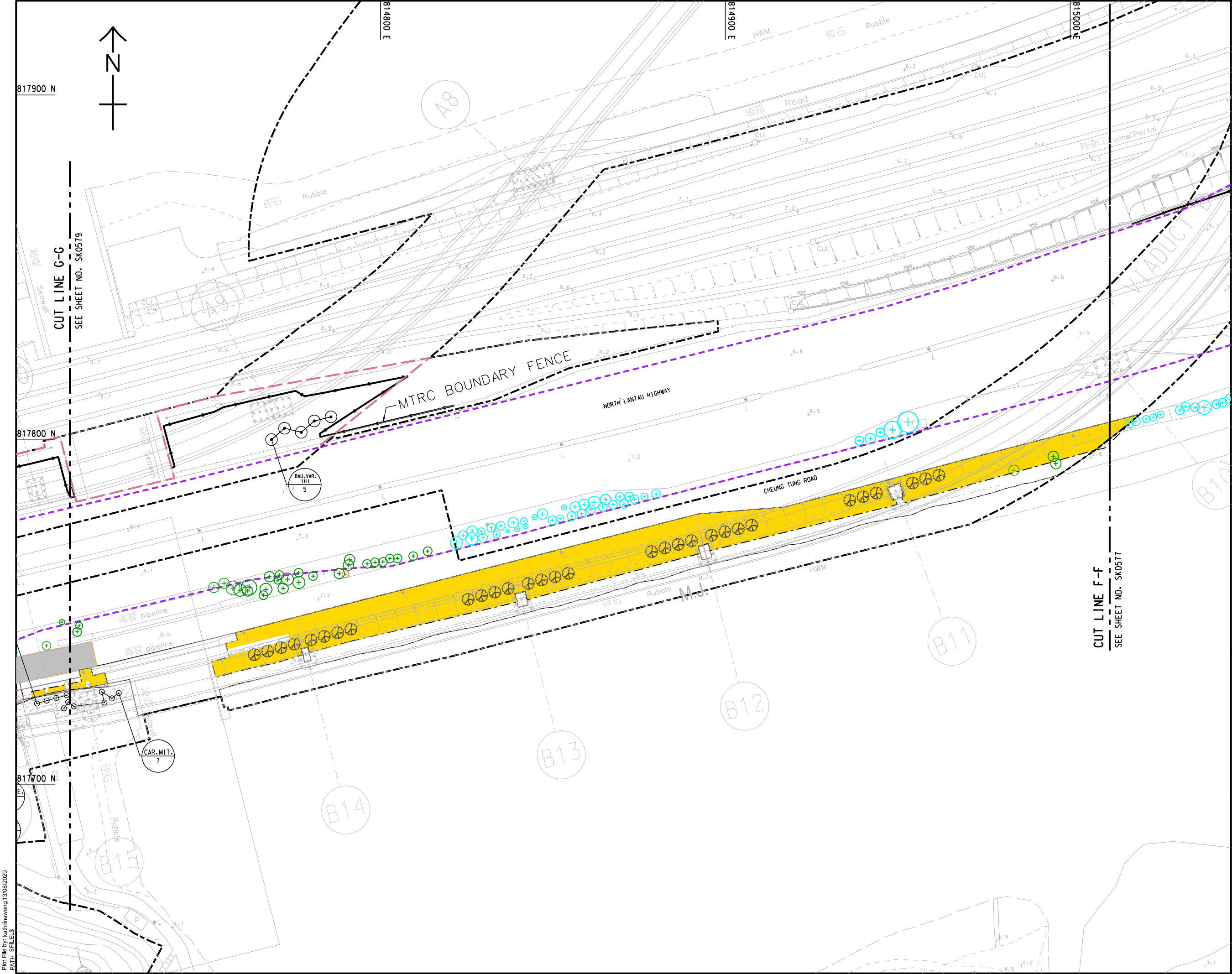
CONTRACT NO.
HMWSD 2/2020(HY)

CONTRACT TITLE
ESTABLISHMENT OF LANDSCAPE 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
- 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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 (Special Duties)

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

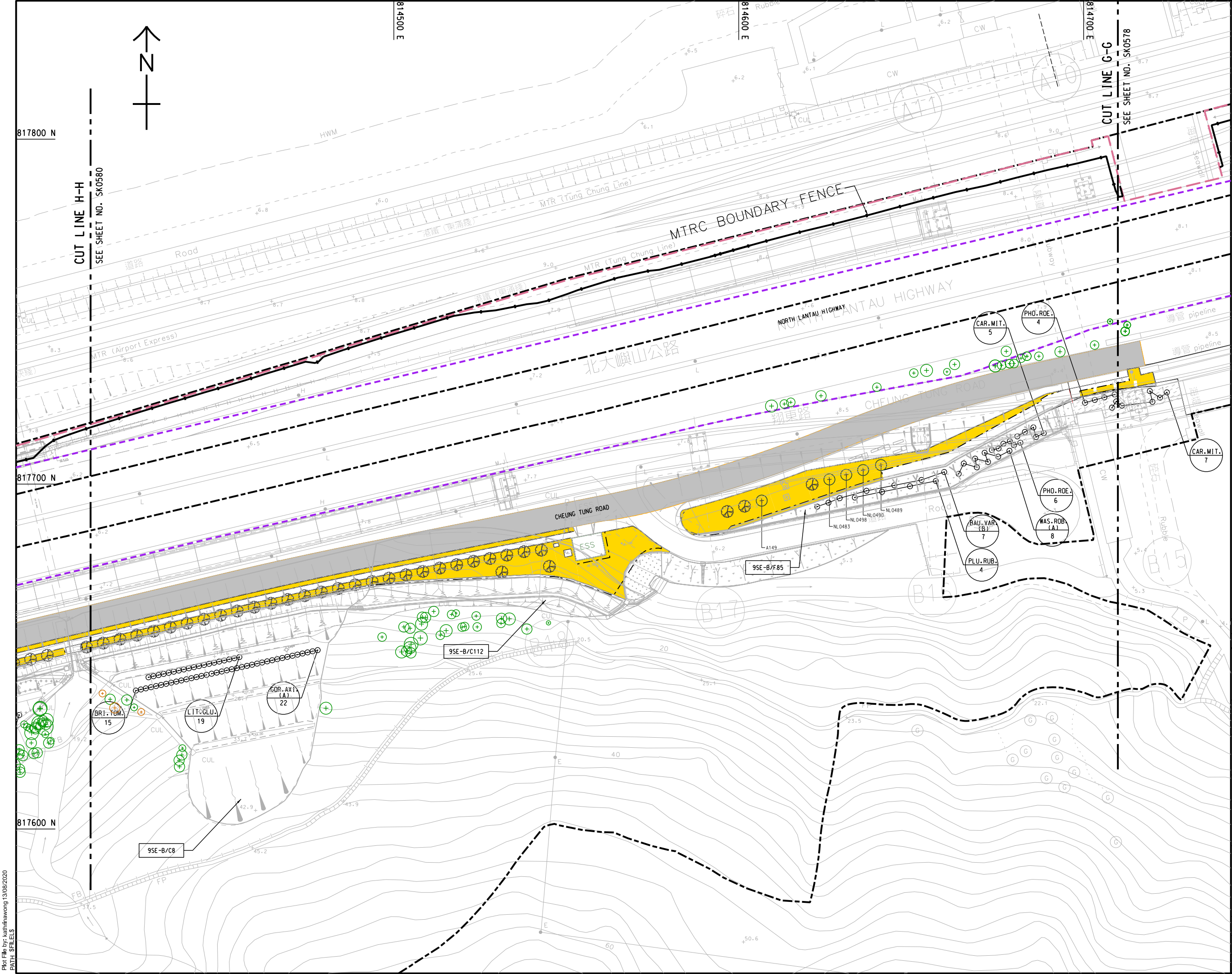
CONTRACT NO.
HMWS2 2/2020(HY)

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

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 7 OF 12

| | |
|-------------------|---------------------------|
| DRAWING REFERENCE | SCALE |
| - | 1:500 (A1) 1:1000 (A3) |
| DRAWN | APPROVED |
| KW | 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
 - 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
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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)

| | | | |
|-------------------|----------|---------------------------|------|
| 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 | 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)

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

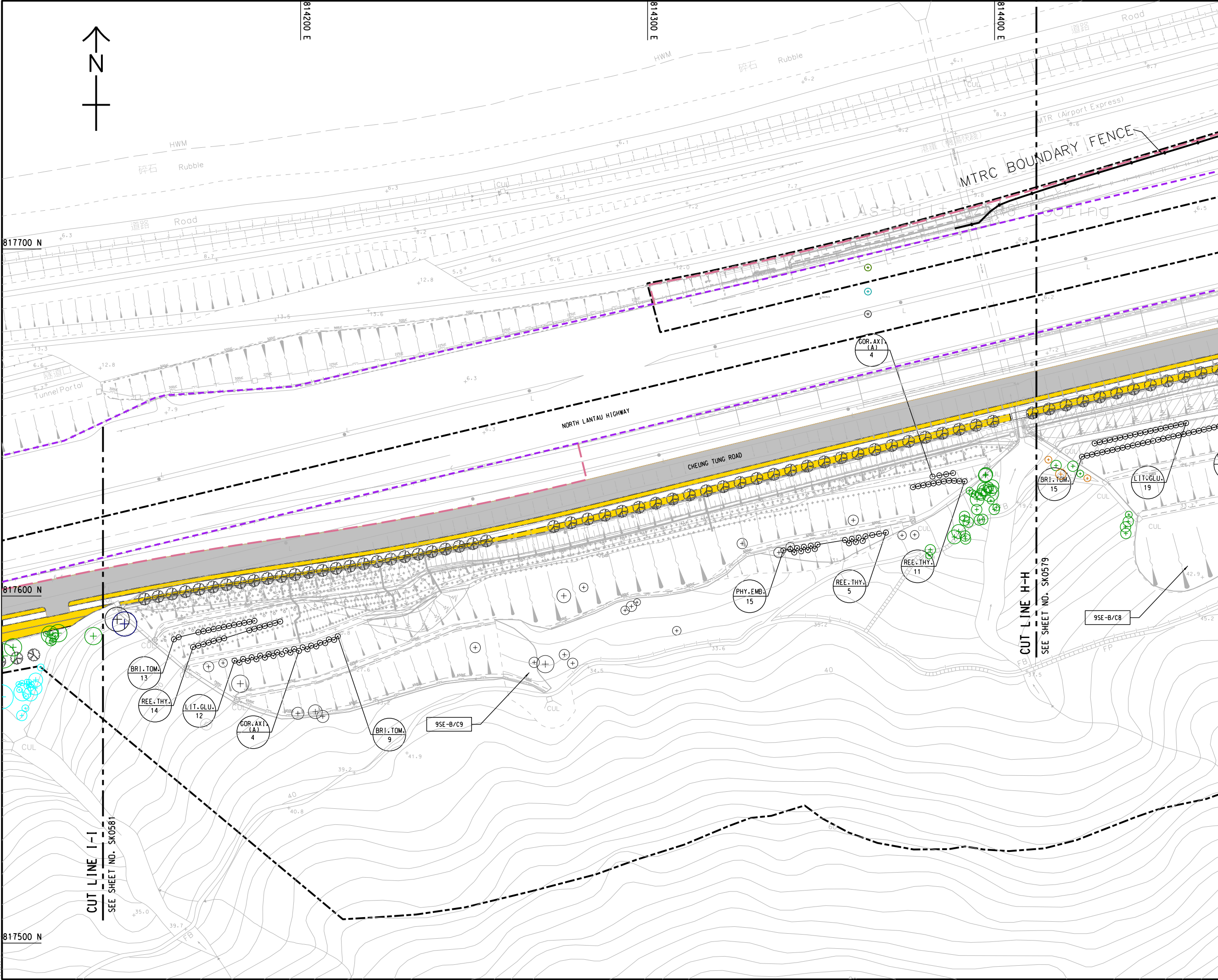
CONTRACT NO.
HMWSD 2/2020(HY)

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

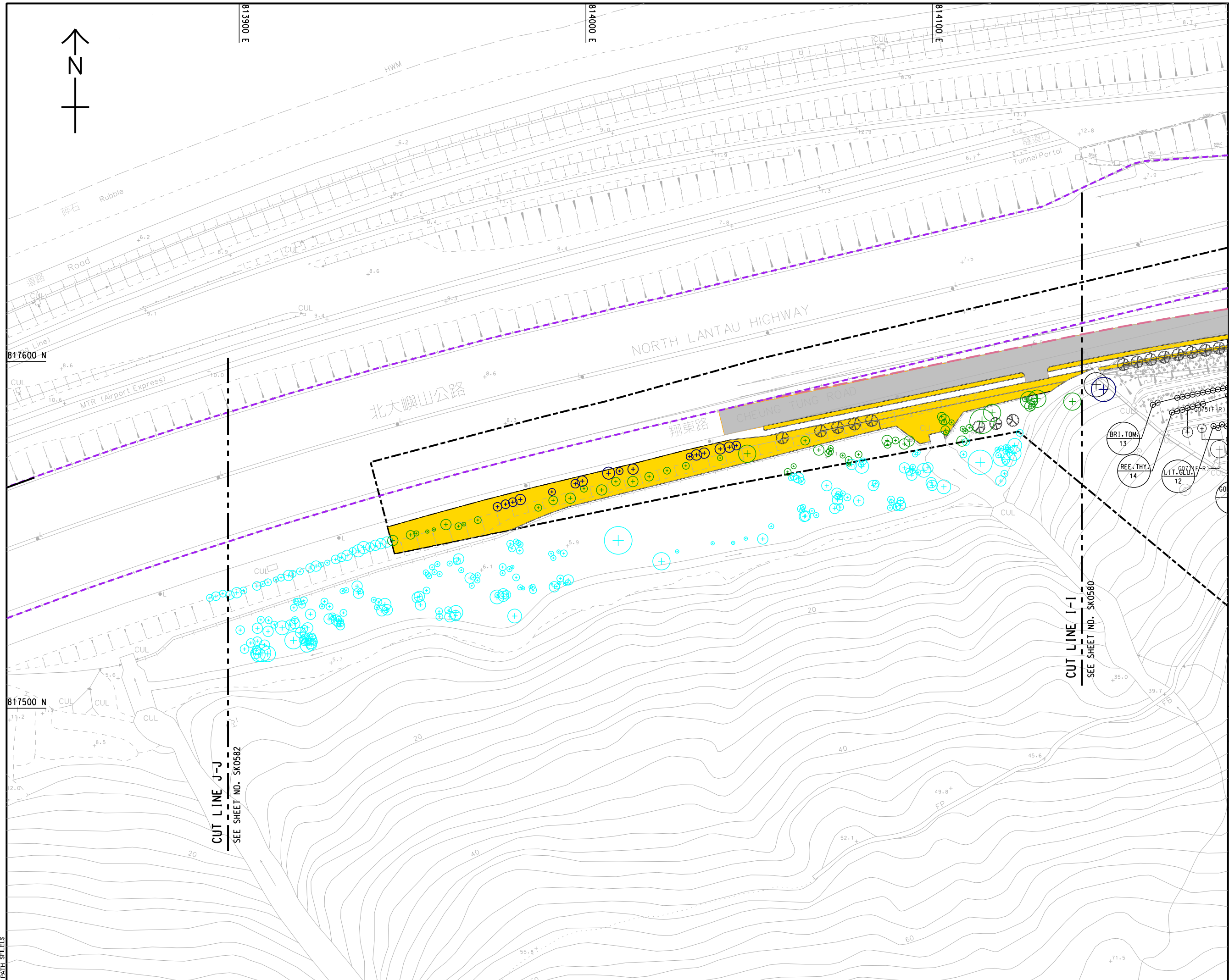
TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 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. |

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PROJECT
TUEN MUN - CHEK LAP KOK LINK

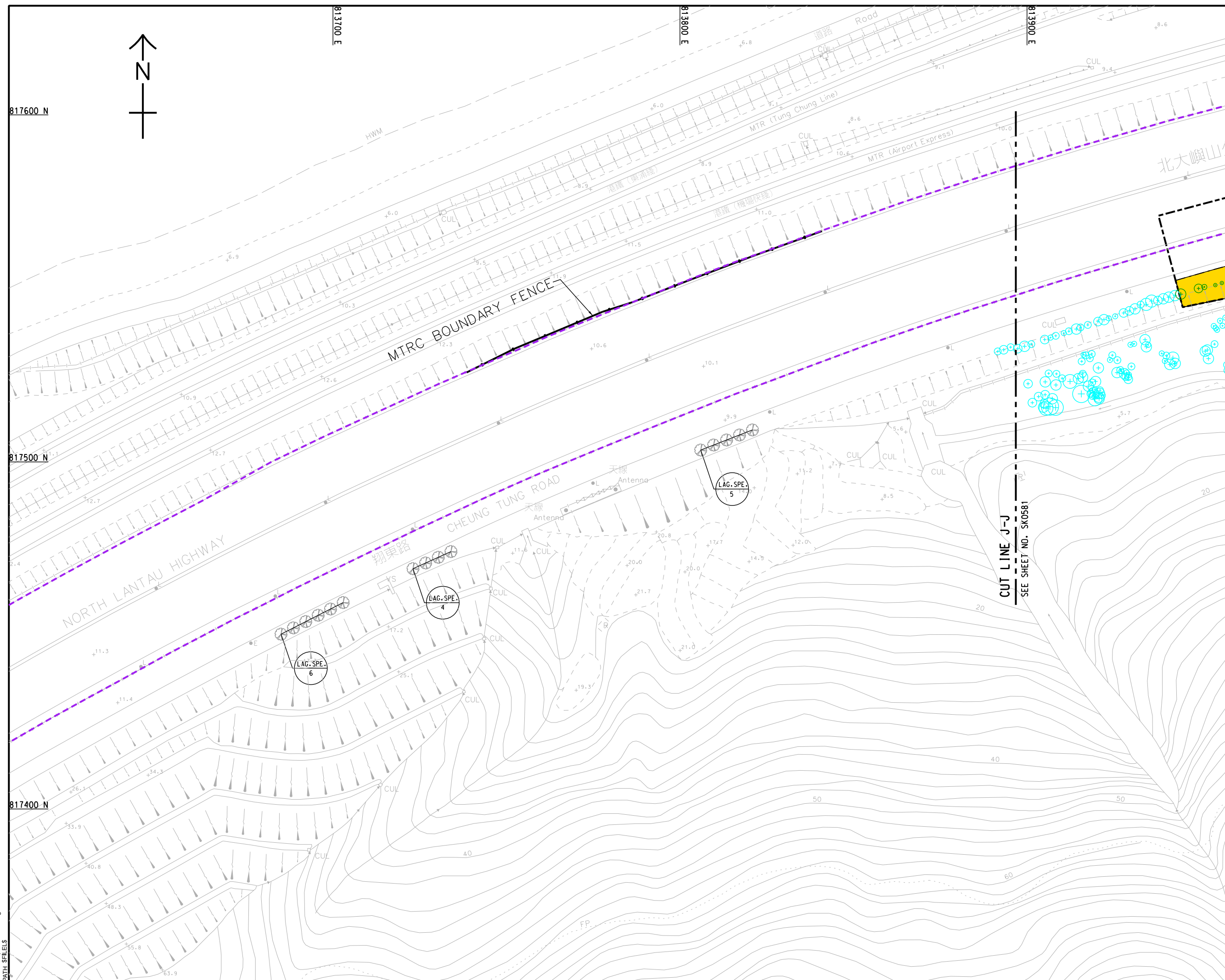
CONTRACT NO.
HMWSD 2/2020(HY)

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

TITLE
TREE PLANTING PLAN (PORTION A)

SHEET 10 OF 12

| | |
|-------------------|---------------------------|
| DRAWING REFERENCE | SCALE |
| - | 1:500 (A1) 1:1000 (A3) |
| DRAWN | APPROVED |
| KW | CL |
| SKETCH NO. | REV. |
| SK0581 | - |



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 |

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 Major Works Project Management Office
 (Special Duties)

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PROJECT
TUEN MUN - CHEK LAP KOK LINK

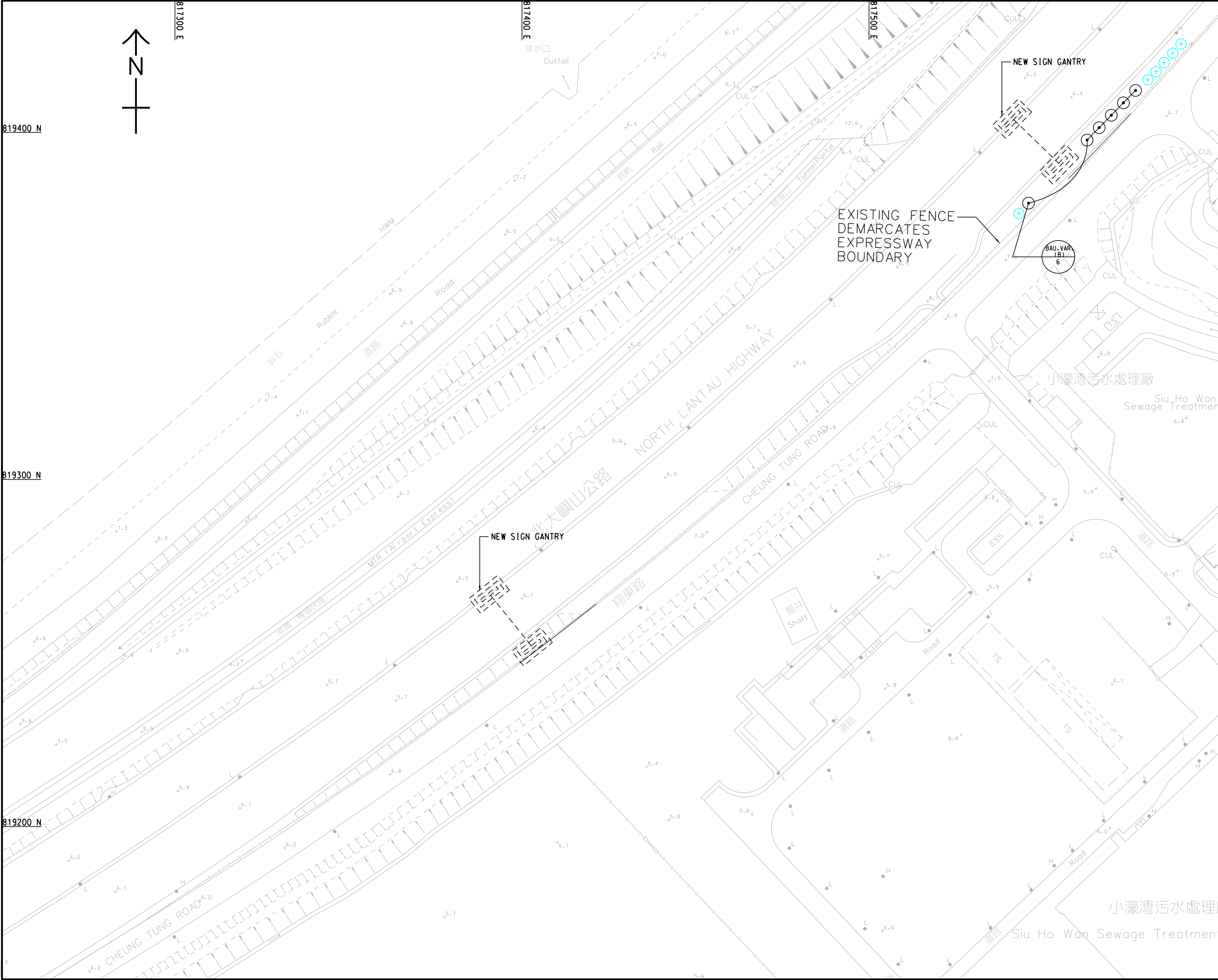
CONTRACT NO.
HMWS2 2/2020(HY)

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 |

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 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: kashinawong 13/08/2020
 PATH: SFILES

| 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 | |
| GROUNDCOVER PLANTING | | | | | | | |
| HYM.LIT. | <i>Hymenocallis littoralis</i> | 蛛兜蘭 | 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 | |
| GROUNDCOVER PLANTING | | | | | | | |
| HYM.LIT. | <i>Hymenocallis littoralis</i> | 蛛兜蘭 | 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> | 銀樟 | 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 | |
| GROUNDCOVER 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> | 蛛兜蘭 | 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 | |
| GROUNDCOVER 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> | 蛛兜蘭 | 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 |

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

| | | | | | |
|--|----------|-------------------|-------|------|------|
| - | 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) | | | | | |
| 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 | PREPARED | APPROVED | | | |
| KW | CL | CL | | | |
| SKETCH NO. | | REV. | | | |
| 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. -

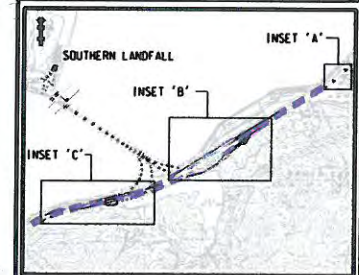
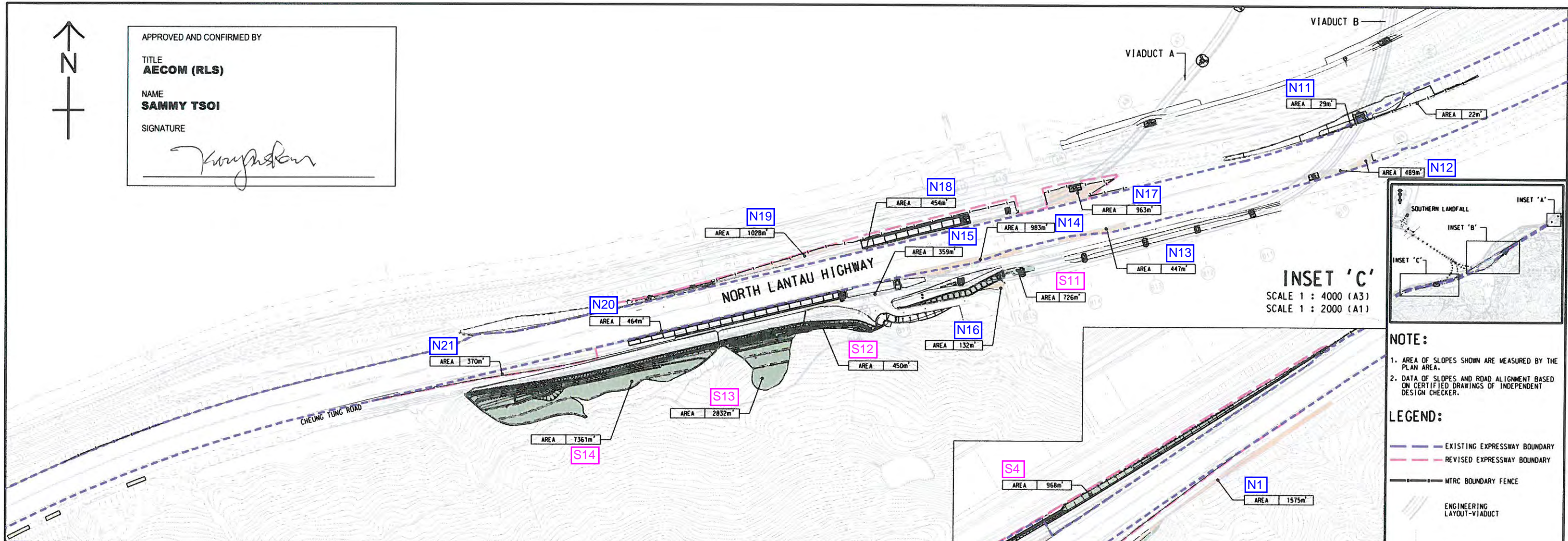


APPROVED AND CONFIRMED BY

TITLE
AECOM (RLS)

NAME
SAMMY TSOI

SIGNATURE



- 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 (dashed blue line)
 - REVISED EXPRESSWAY BOUNDARY (dashed red line)
 - MTRC BOUNDARY FENCE (dashed black line)
 - ENGINEERING LAYOUT-VIADUCT (hatched area)
 - PIER MARK (circle with '119')
 - NON-SLOPE AREA (orange shaded area)
 - SLOPE AREA (green shaded area)

FOR INFORMATION

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

CLIENT

 路政署
HIGHWAYS DEPARTMENT
 港務局大橋及港地工程署
 Hong Kong - Zhuhai - Macao Bridge
 Hong Kong Project Management Office

AECOM

PROJECT
TUEN MUN - CHEK LAP KOK LINK

CONTRACT NO.
HY/2012/07

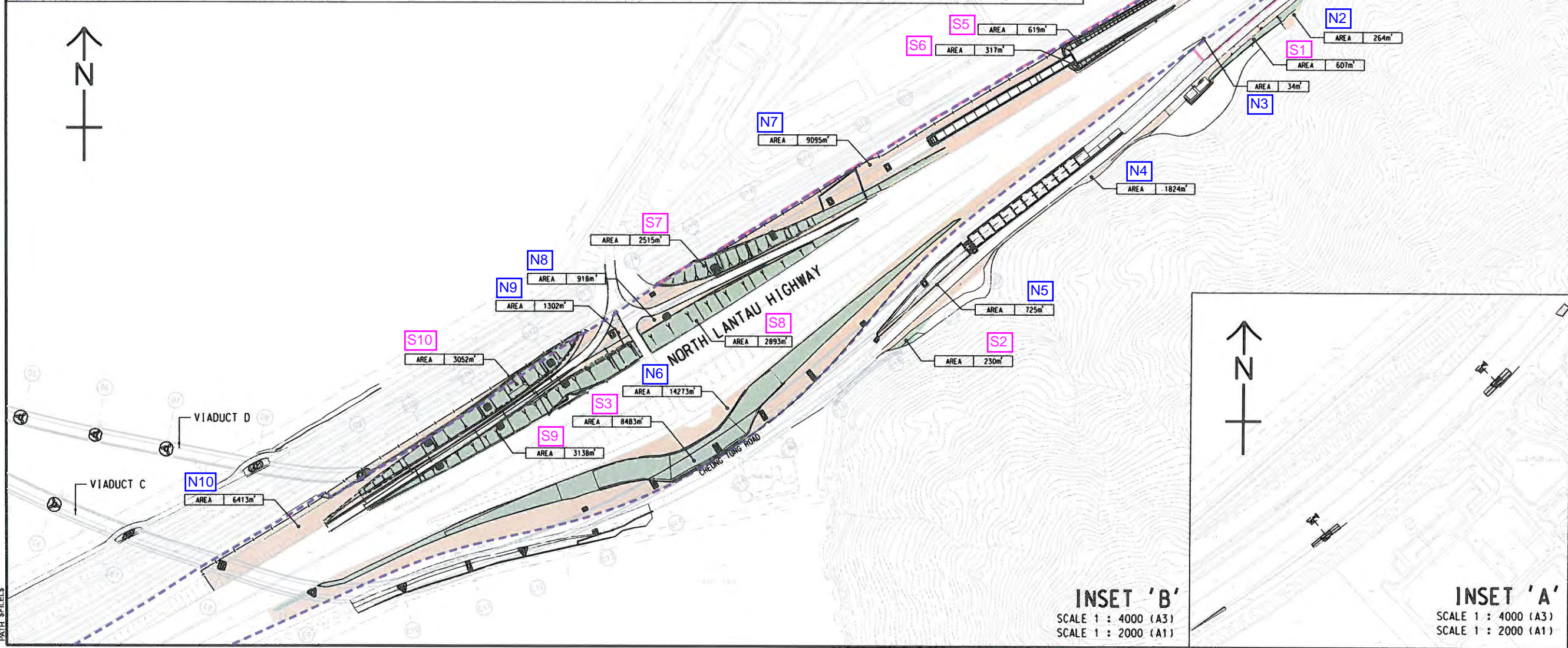
CONTRACT TITLE
TUEN MUN - CHEK LAP KOK LINK - SOUTHERN CONNECTION VIADUCT SECTION

TITLE
LANDSCAPE AREA

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

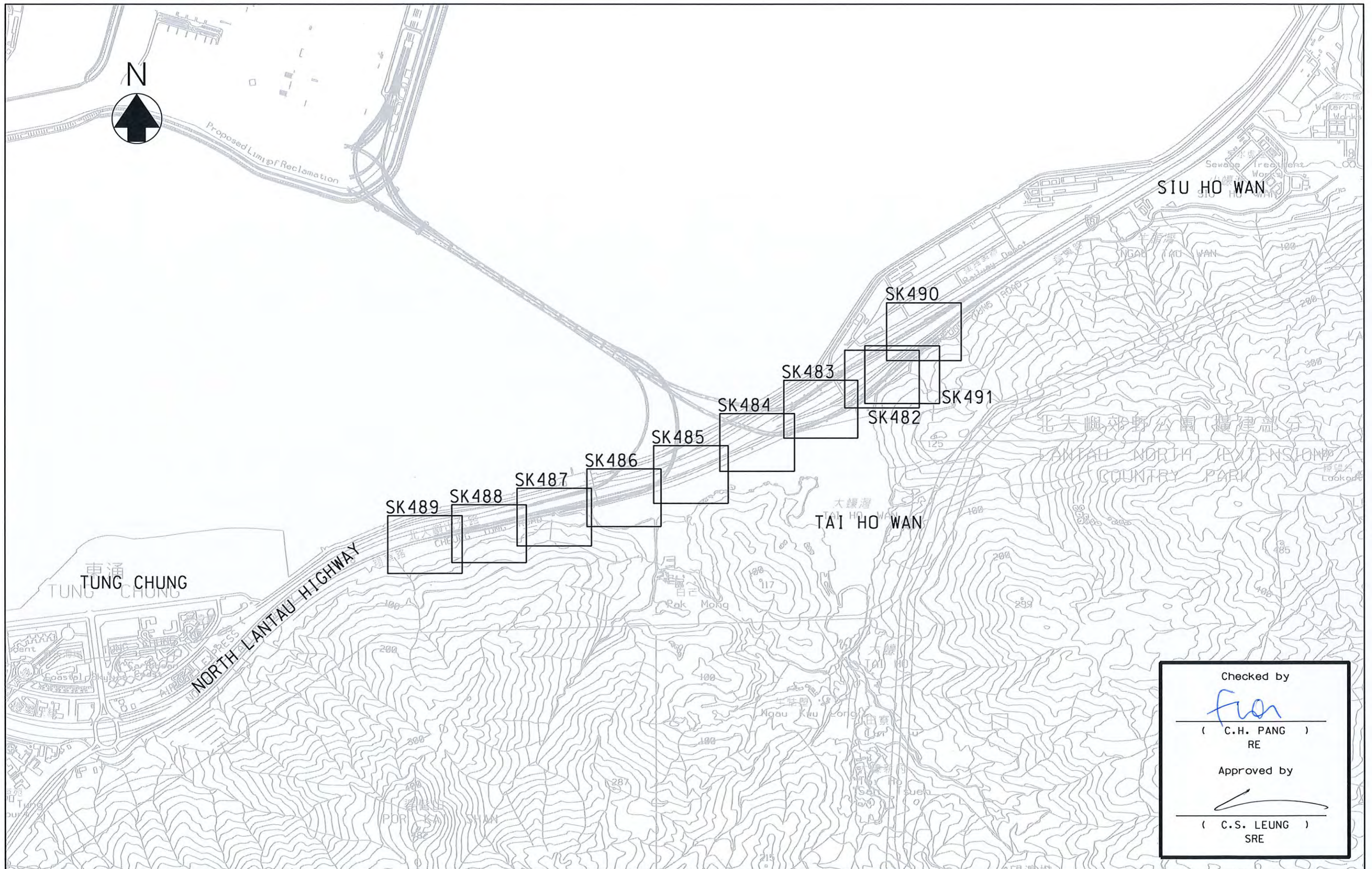
| DRAWN | PREPARED | APPROVED |
|-------|----------|----------|
| KW | CL | CL |

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
F. N. T.
 (C.H. PANG)
 RE
 Approved by
C.S. Leung
 (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 | F N T | Scale | A3 1 : 15000 |
| Approved by | T C | 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>Plumella 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 sylvesteris</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> | 假連籐 | 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 | K.W. | 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 |
| BOM.CEI. <i>Bombax ceiba</i> 木綿 | | | | | | | |
| LIGHT STANDARD TREE 4000-5000 | | | | | | | |
| 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.OLM. | <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> | 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. | <i>Parthenocissus daniellii</i> | 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) | <i>Bauhinia variegata</i> | 豎琴七葉樹 | LIGHT STANDARD TREE | 4000 | - | 92 | - |
| CIN.BUR.(A) | <i>Cinnamomum burmannii</i> | 降香 | LIGHT STANDARD TREE | 4000 | - | 7 | - |
| MEL.AZE.(A) | <i>Melia azadirach</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 daniellii</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> | 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. | <i>Parthenocissus daniellii</i> | 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. 9SE-B/C8, 9SE-B/C9 AND 9SE-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. | <i>Bridelia tomentosa</i> | 土蜜樹 | WHIP | 1500-2000 | - | 37 | - |
| GOR.AXI.(A) | <i>Gordonia axillaris</i> | 大銀茶 | WHIP | 1500-2000 | - | 30 | - |
| LIT.GLU. | <i>Litsea glutinosa</i> | 潺槁樹 | WHIP | 1500-2000 | - | 31 | - |
| PHY.EMB. | <i>Phyllanthus emblica</i> | 棘椰子 | WHIP | 1500-2000 | - | 15 | - |
| REL.THY. | <i>Reevesia thysoides</i> | 檳榔樹 | WHIP | 1500-2000 | - | 30 | - |
| SHRUB MIX | | | | | | | |
| GOR.AXI. | <i>Gordonia axillaris</i> | 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. | <i>Melastoma candidum</i> | 野牡丹 | 300(H) x 300(S) | 500 | 4.6 | 1100 | |
| MEL.SAN. | <i>Melastoma sanguineum</i> | 毛萼 | 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 daniellii</i> | 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. 9SE-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) | <i>Bauhinia variegata</i> | 豎琴七葉樹 | 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>Canapa 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 |

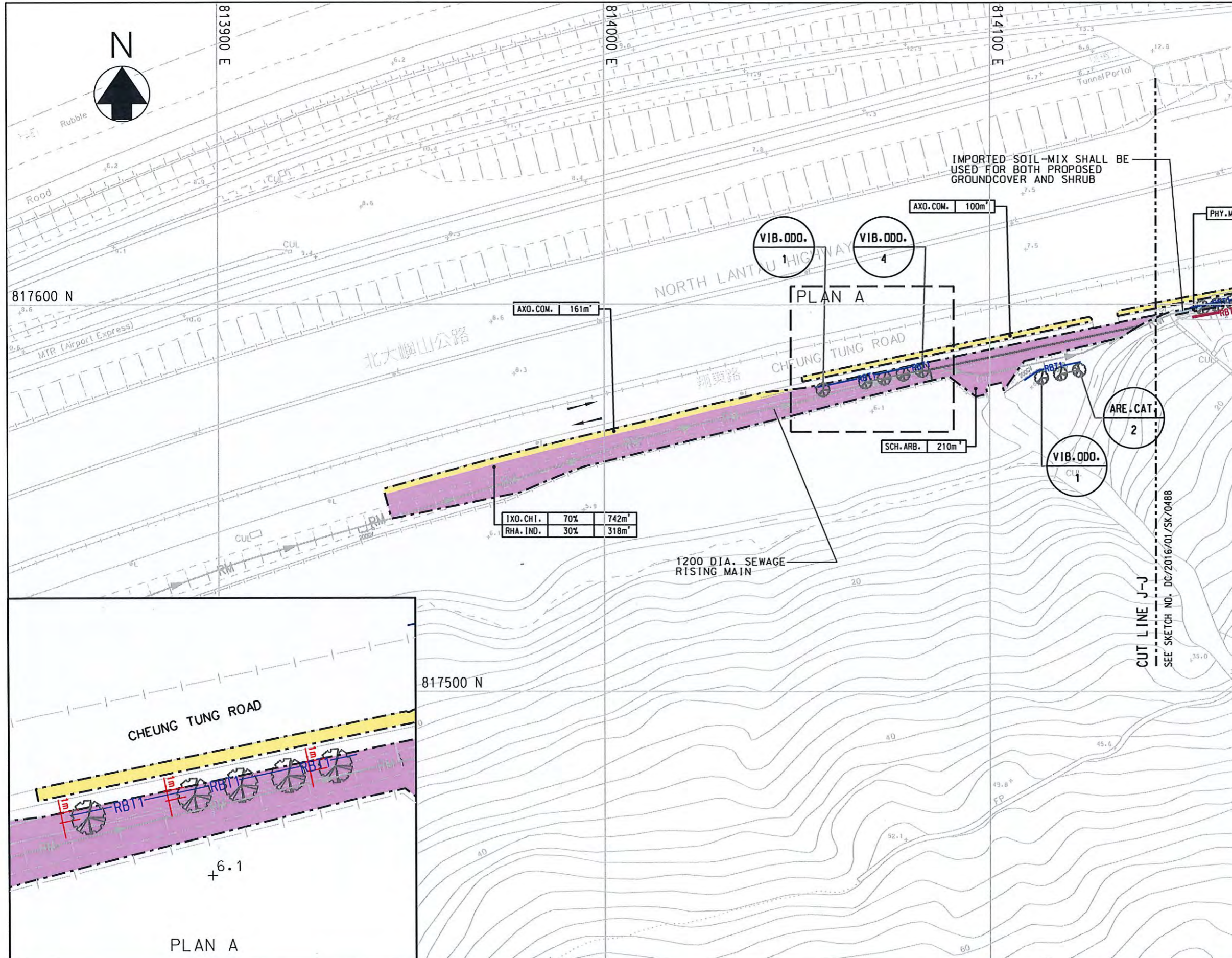
Zones 1C, 1D

| 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. | <i>Gordonia axillaris</i> | 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. | <i>Melastoma candidum</i> | 野牡丹 | 300(H) x 300(S) | 500 | 4.6 | 270 | | |
| MEL.SAN. | <i>Melastoma sanguineum</i> | 毛萼 | 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> | 八寶 | 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> | 八寶 | 300(H) x 300(S) | 500 | 4.6 | 590 | | |
| CLIMBER FOR PIERS OF VIADUCTS | | | | | | | | |
| FIC.PUM. | <i>Ficus pumila</i> | 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. | <i>Parthenocissus daniellii</i> | 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. | <i>Garcinia subelliptica</i> | 菲島福木 | LIGHT STANDARD | 4000-5000 | - | 4 | - |
| ILE.ROT. | <i>Ilex rotunda</i> | 羅冬青 | HEAVY STANDARD | 5000 | - | 44 | - |
| LAG.SPE. | <i>Lagostroemia speciosa</i> | 大花紫藤 | 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>Rhaphirolepis indica</i> | 串聯梅 | 300(H) x 300(S) | 300 | 12.54 | 2005 | |
| GROUND COVER PLANTING | | | | | | | |
| ADA.BUR. | <i>Asarichis duranensis</i> | 金花生 | 100(H) x 200(S) | 250 | 18.4 | 12150 | PLANT ALL SPECIES IN STAGGERED PATTERN. |
| EPL.AUR. | <i>Eupatorium aurum</i> | 狗尾草 | 200(H) x 300(S) | 300 | 12.54 | 36 | |
| WED.TRI. | <i>Wedelia tribata</i> | 三裂葉蝴蝶蘭 | 200(H) x 150(S) | 300 | 12.54 | 15720 | |
| GRASS PLANTING | | | | | | | |
| AXO.COM. | <i>Axonopus compressus</i> | 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. | DATE | DESCRIPTION | ISSUED BY | PREP. | APP. |
| - | 23/06/20 | PLANTING SCHEDULE | KW | CL | CL |
| <p>路政署 HIGHWAYS DEPARTMENT 主要工程管理處 (專業事務) Major Works Project Management Office (Professional Duties)</p> | | | | | |
| | | | | | |
| 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) | | | | | |
| DRAWING REFERENCE | | | | | |
| SCALE | | | | | |
| N.T.S. | | | | | |
| DRAWN | | | | | |
| PREPARED | | | | | |
| APPROVED | | | | | |
| CHECKED | | | | | |
| SKETCH NO. | | | | | |
| SK0585 | | | | | |

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



- LEGEND:**
- LANDSCAPE LIMIT
 - 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)
 - VIB. ODO.
 - ARE. CAT.
 - SCH. ARB.
 - AXO. COM.
 - RBT1
 - RBT2

1531m²

Checked by

 (C.H. PANG)
 RE
 Approved by

 (C.S. LEUNG)
 SRE

- NOTES:**
1. SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
 2. THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
 3. 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

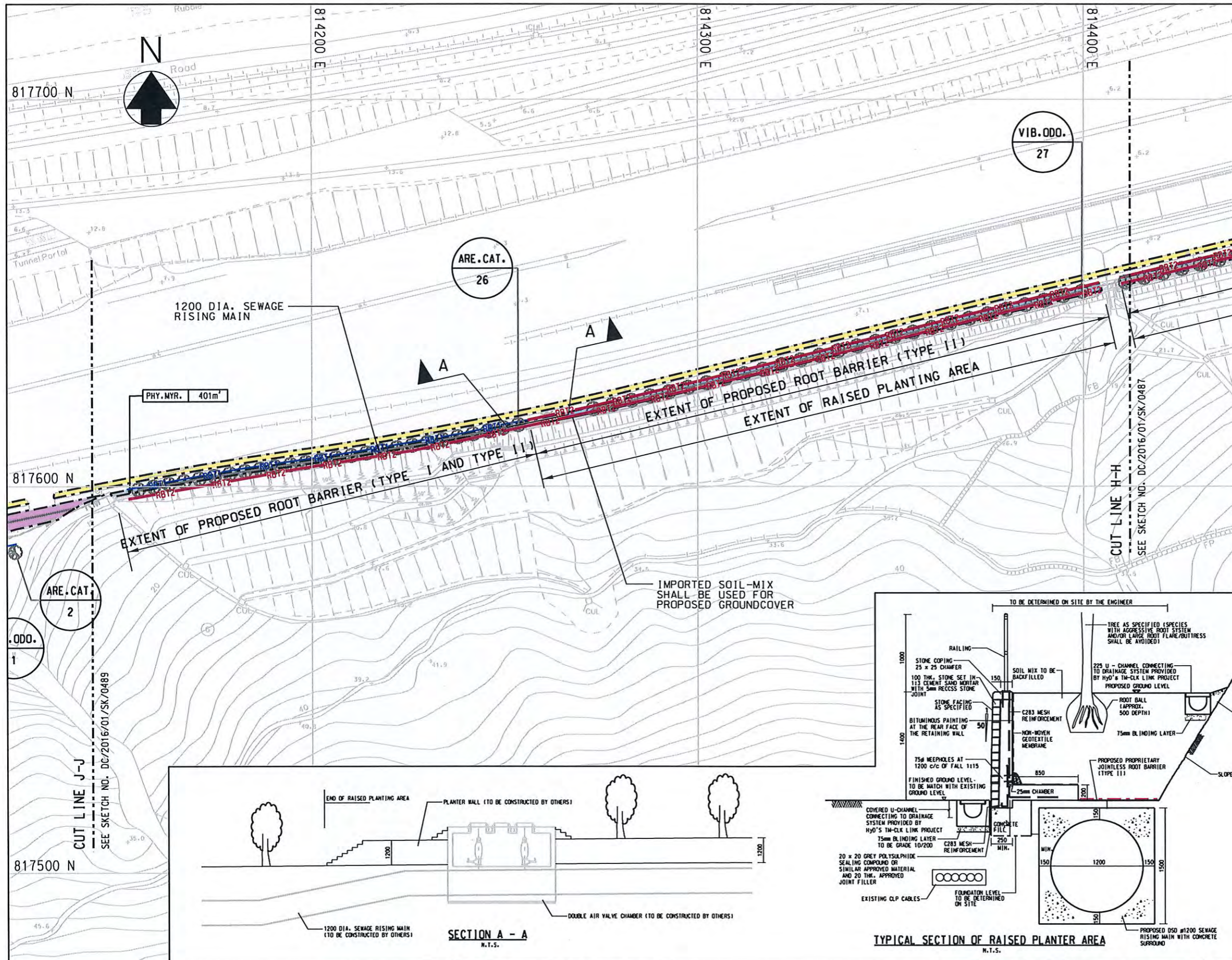
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 8 OF 8)

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

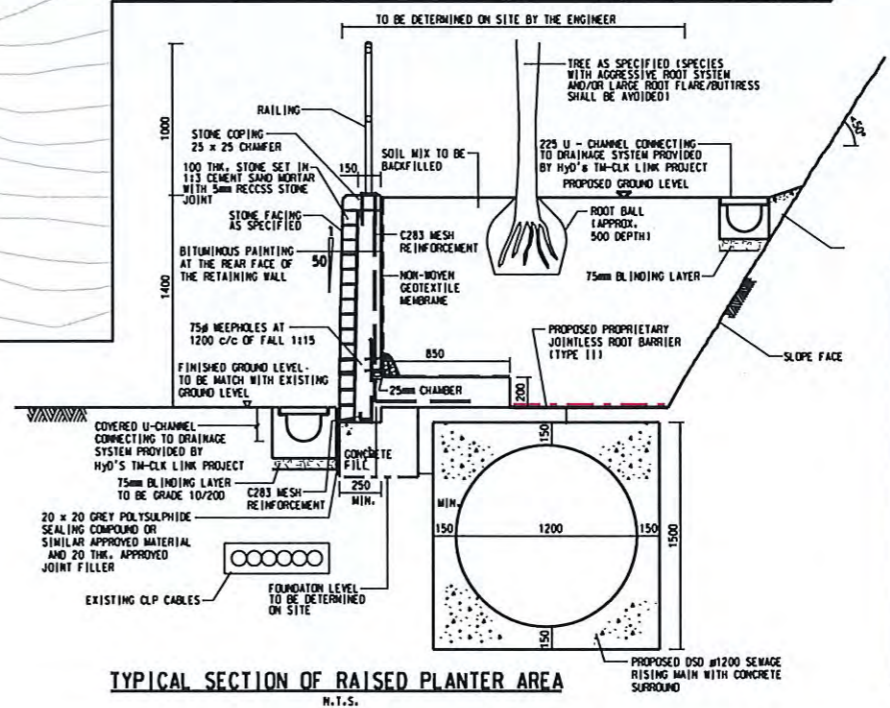
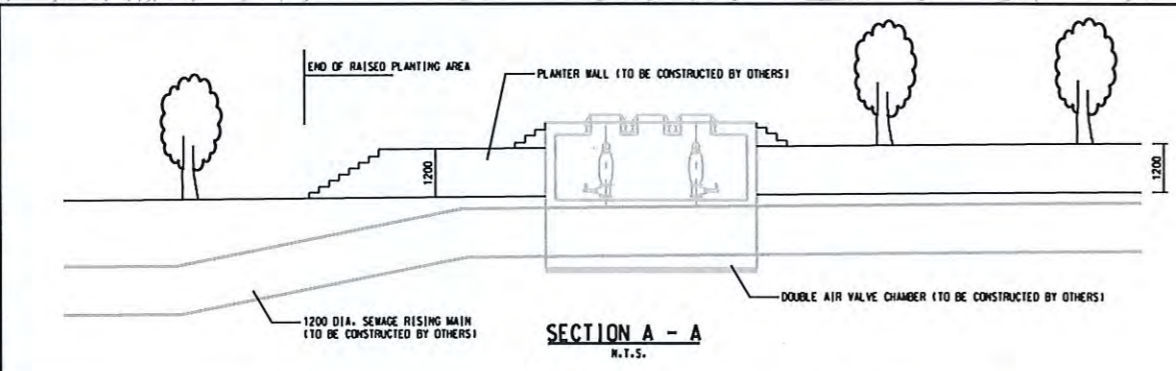
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| Drawn by | W T L | Date | 19/07/2019 |
| Checked by | F P | Scale | A3 1 : 1000 |
| Approved by | C L | Sketch no. | DC/2016/01/SK/0489 |
| | | Revision | F |

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)
 - 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
CL
(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

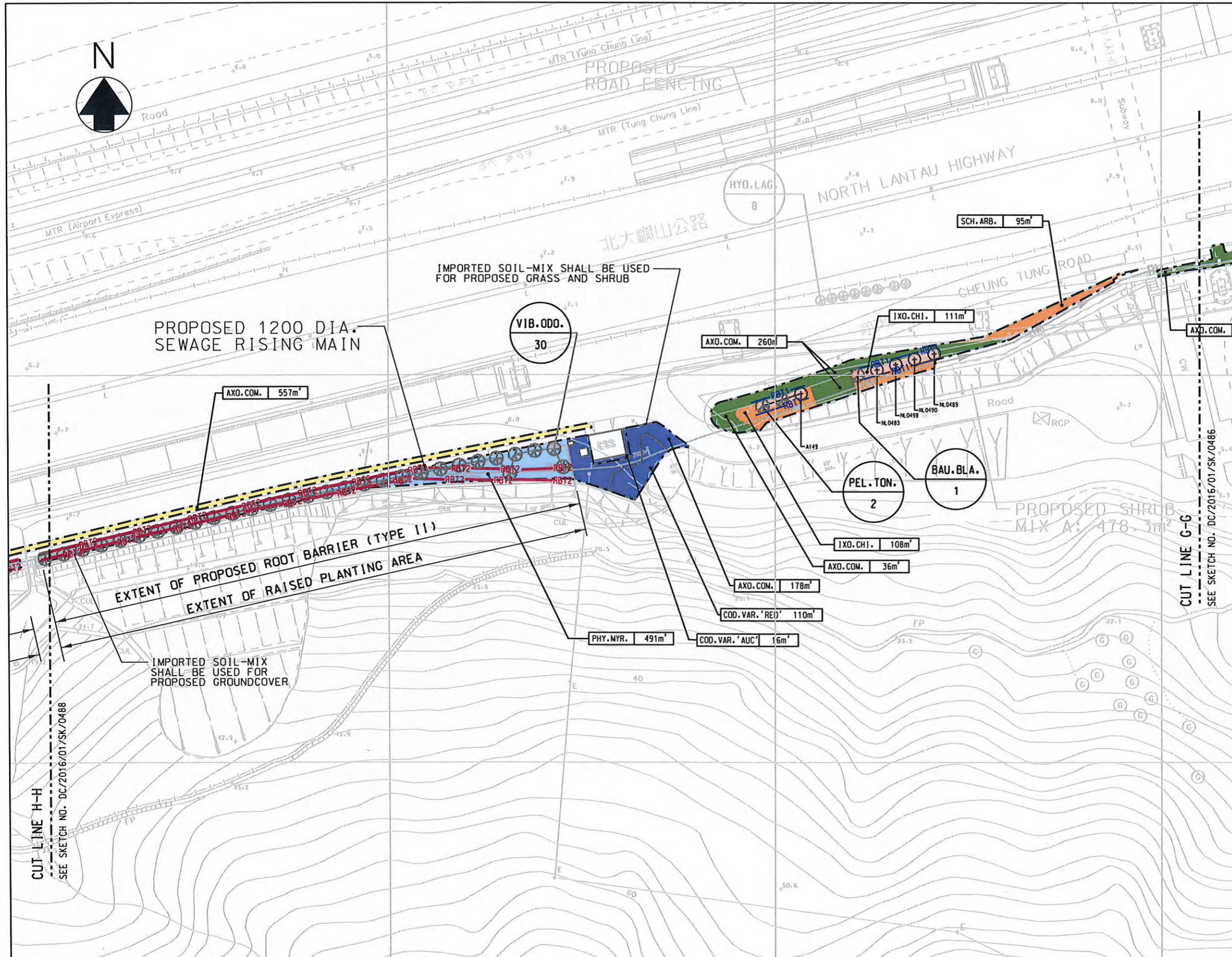
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD
(SHEET 7 OF 8)

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

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|-------------|-------|------------|--------------------|
| 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)
 - PLA. E.C. 905.75m² SPECIES AREA (sq.m)
 - PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD
 - PROPOSED FINAL LOCATION OF TRANSPLANTED TREE, MAINTENANCE UNDERTAKEN BY LCSD
 - RBT1- RBT1- ROOT BARRIER (TYPE I)
 - RBT2- 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.

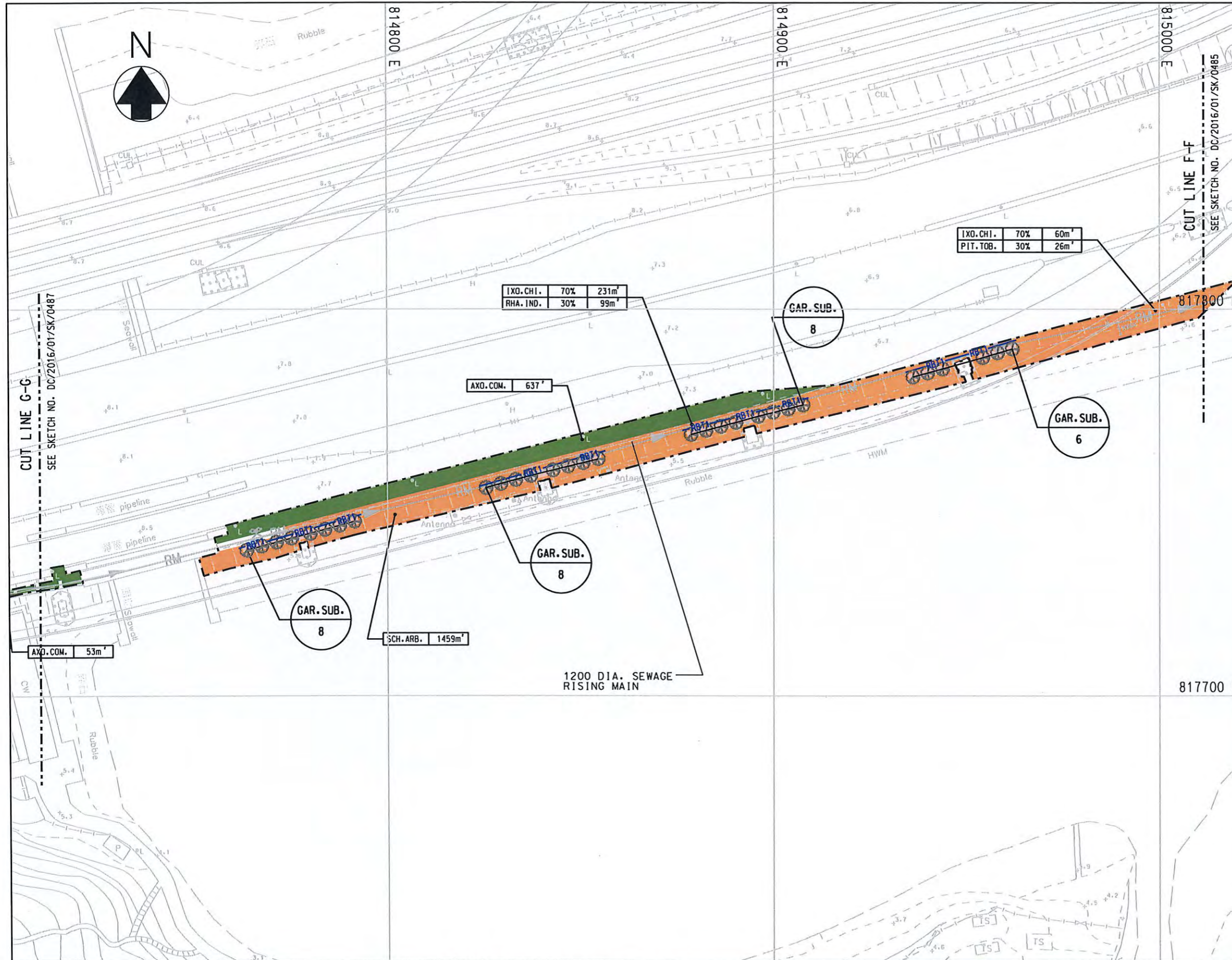
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|---------|---|
| Project | CONTRACT NO. DC/2016/01 CONSTRUCTION OF AN ADDITIONAL SEWAGE RISING MAIN BETWEEN TUNG CHUNG AND SIU HO WAN AND ASSOCIATED WORKS 建造東涌至小蠔灣額外污水泵喉及附屬工程 |
| Title | PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 6 OF 8)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

香港特別行政區政府渠務署
 THE GOVERNMENT OF THE HONG KONG
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BLACK & VEATCH HONG KONG LIMITED
 博達工程顧問有限公司

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|-------------|-----|------------|--------------------|
| 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

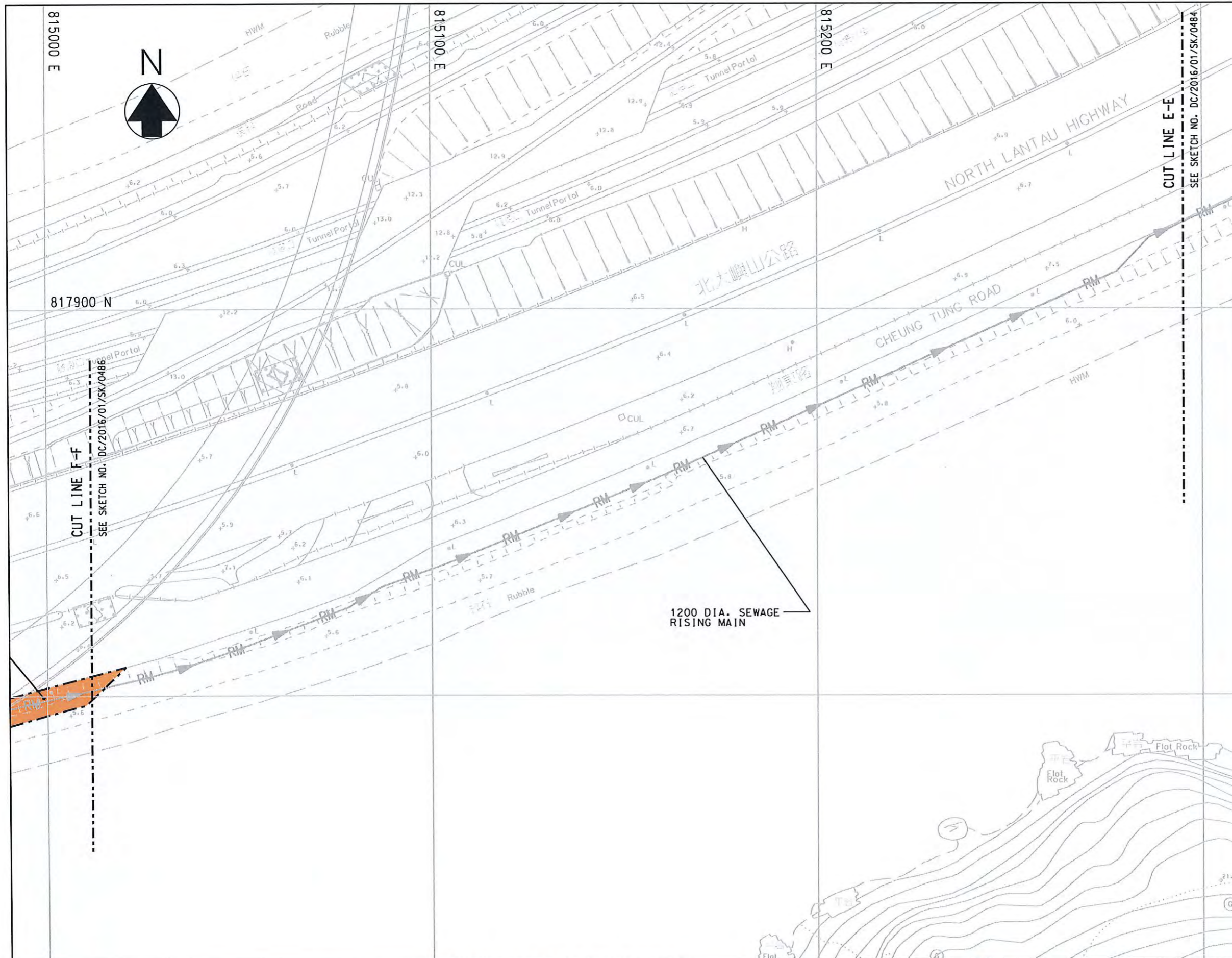
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD
 (SHEET 5 OF 8)

香港特別行政區政府渠務署
 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

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|-------------|-----|------------|--------------------|
| 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
fp
 (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

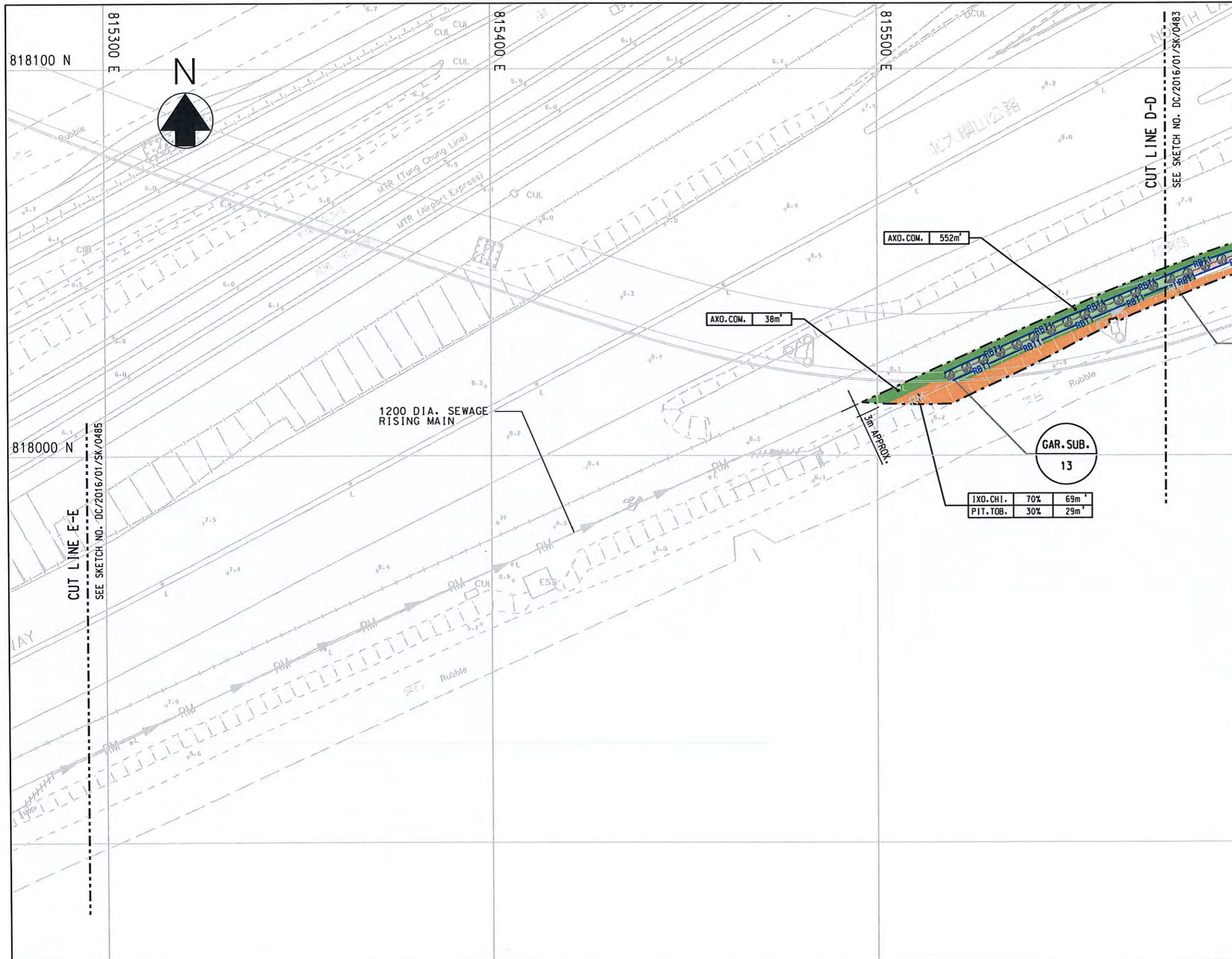
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 4 OF 8)

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

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| 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, EXC. 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

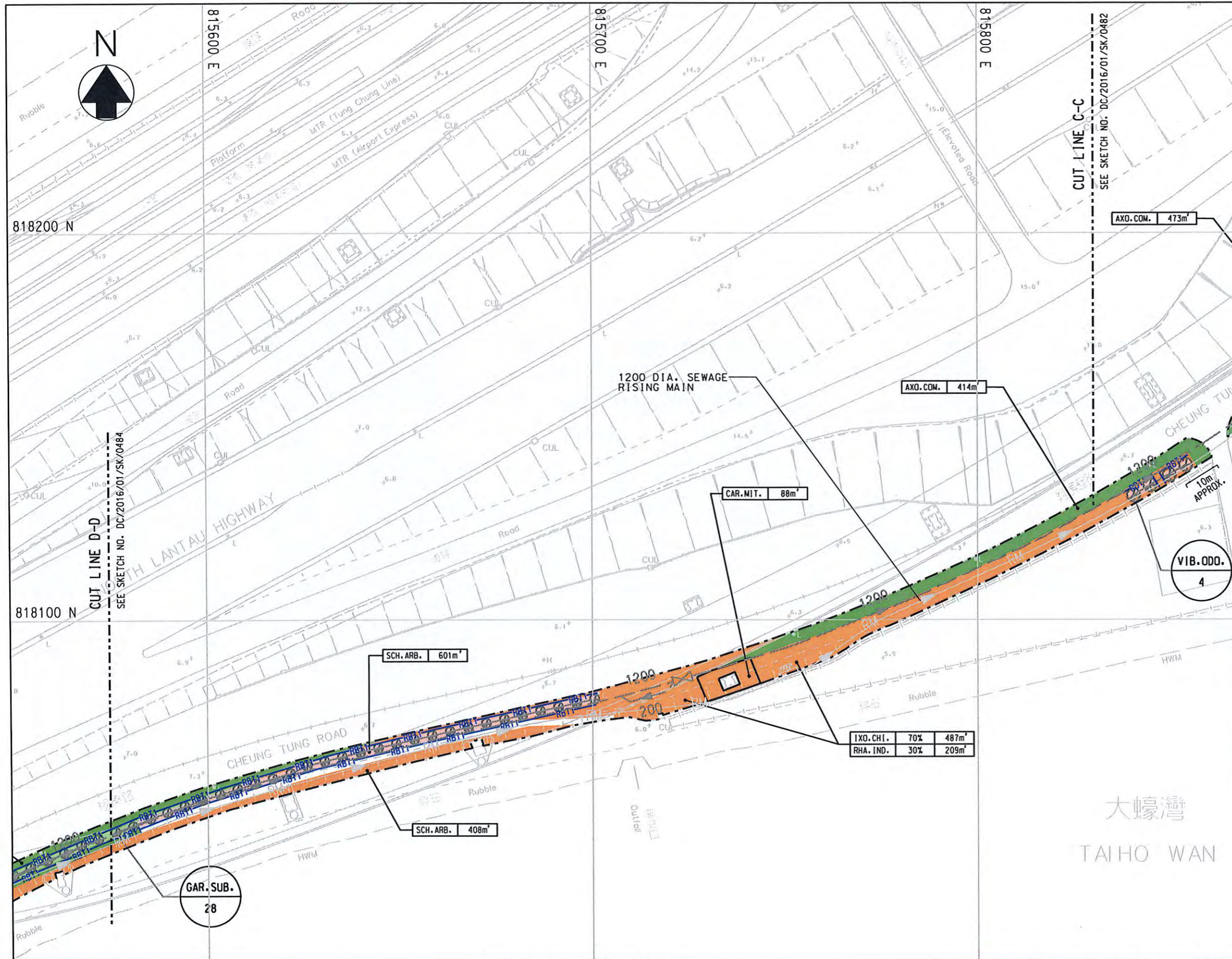
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 3 OF 8)

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

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|-------------|-------|------------|--------------------|
| 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.IND. 905.74m²
 - SPECIES AREA(m²)
 - PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD
 - RBT1 RBT1 ROOT BARRIER (TYPE I)
 - RBT2 RBT2 ROOT BARRIER (TYPE II)

2207m²

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

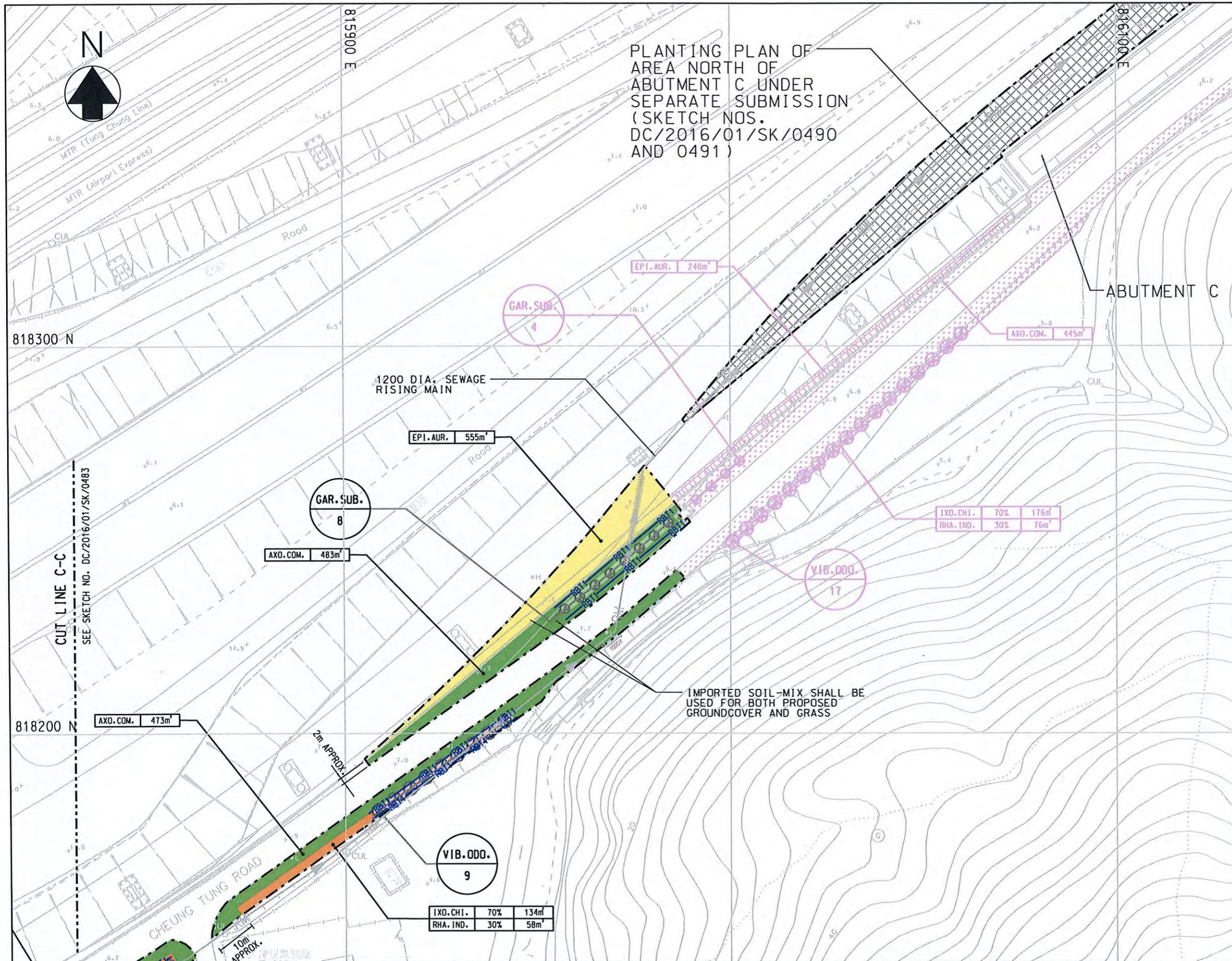
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 2 OF 8)

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

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| 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



- 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

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)

Checked by
Fia
(C.H. PANG)
RE

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

- NOTES:**
1. SECTION FOR ROOT BARRIER REFER TO SKETCH NO. DC/2016/01/SK/554.
 2. THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
 3. 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

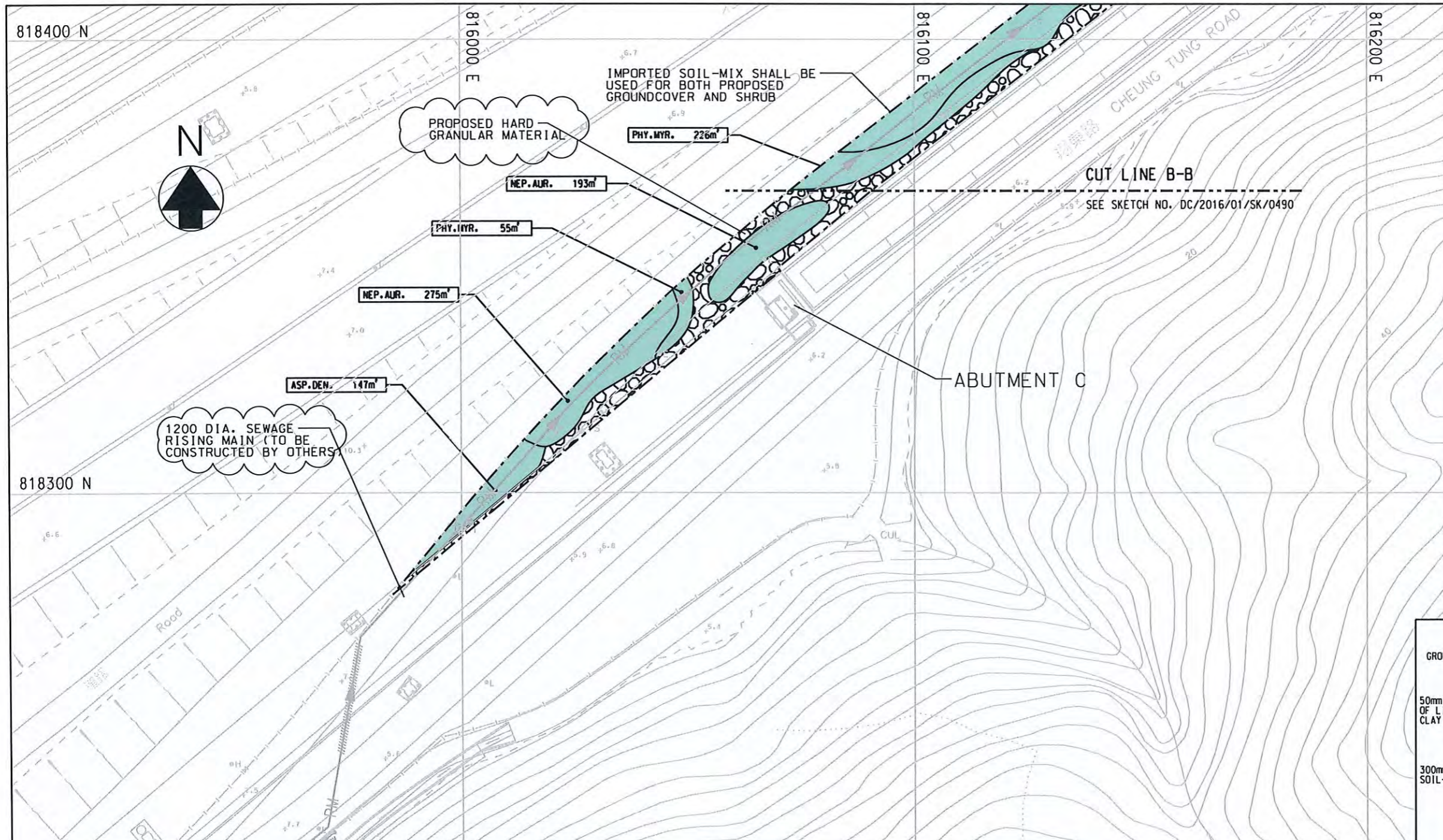
Title PLANTING PLAN FOR LCSD ALONG CHEUNG TUNG ROAD (SHEET 1 OF 8)

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

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| 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 |

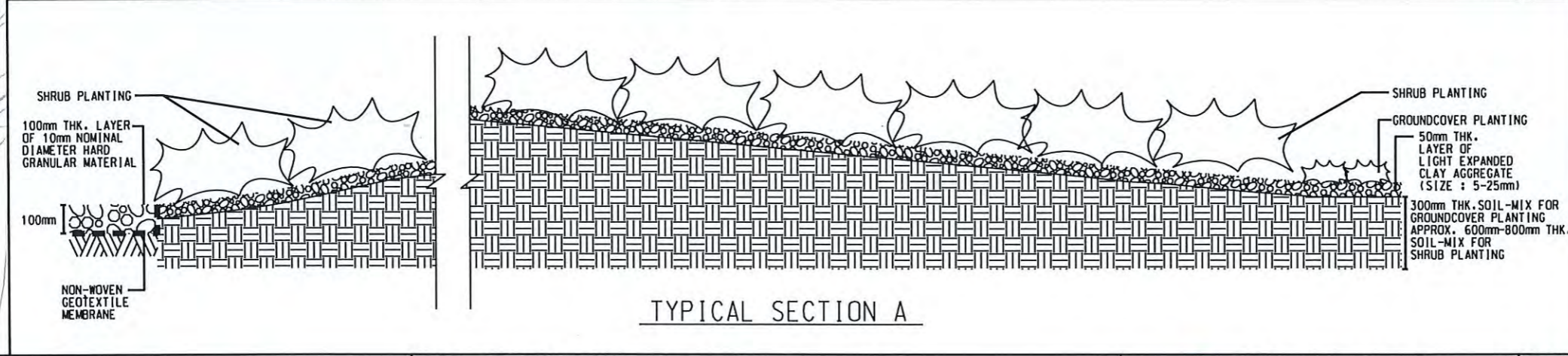
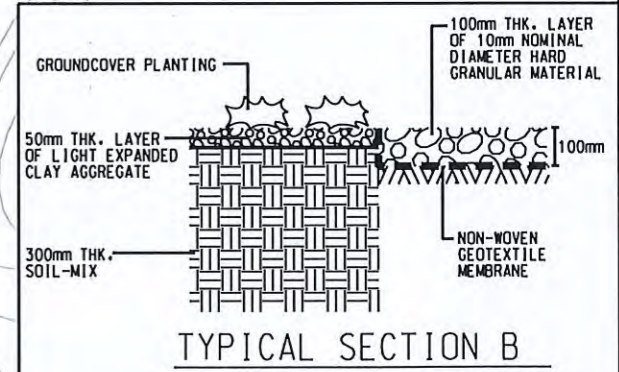
Plot Date = 9/9/2020



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

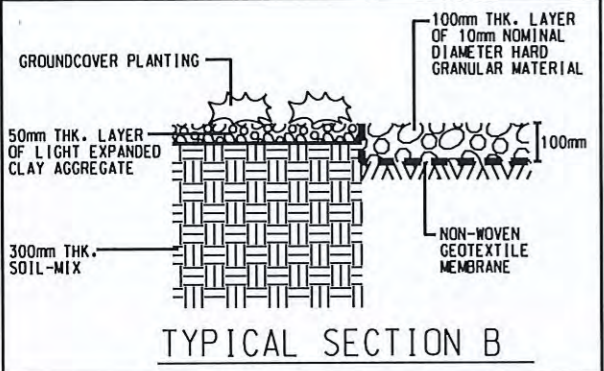
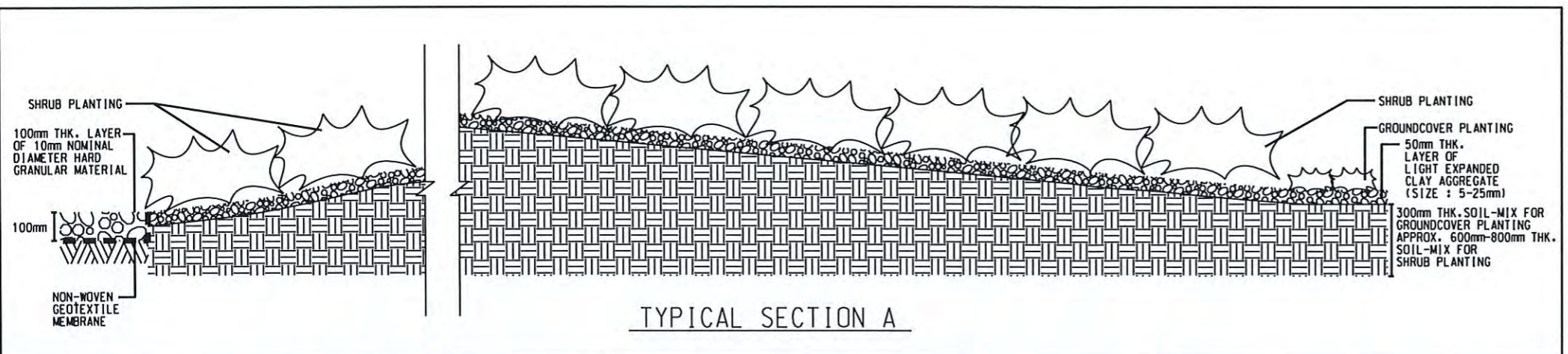
Title PLANTING PLAN FOR AREA NORTH OF ABUTMENT C
 (SHEET 2 OF 2)

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

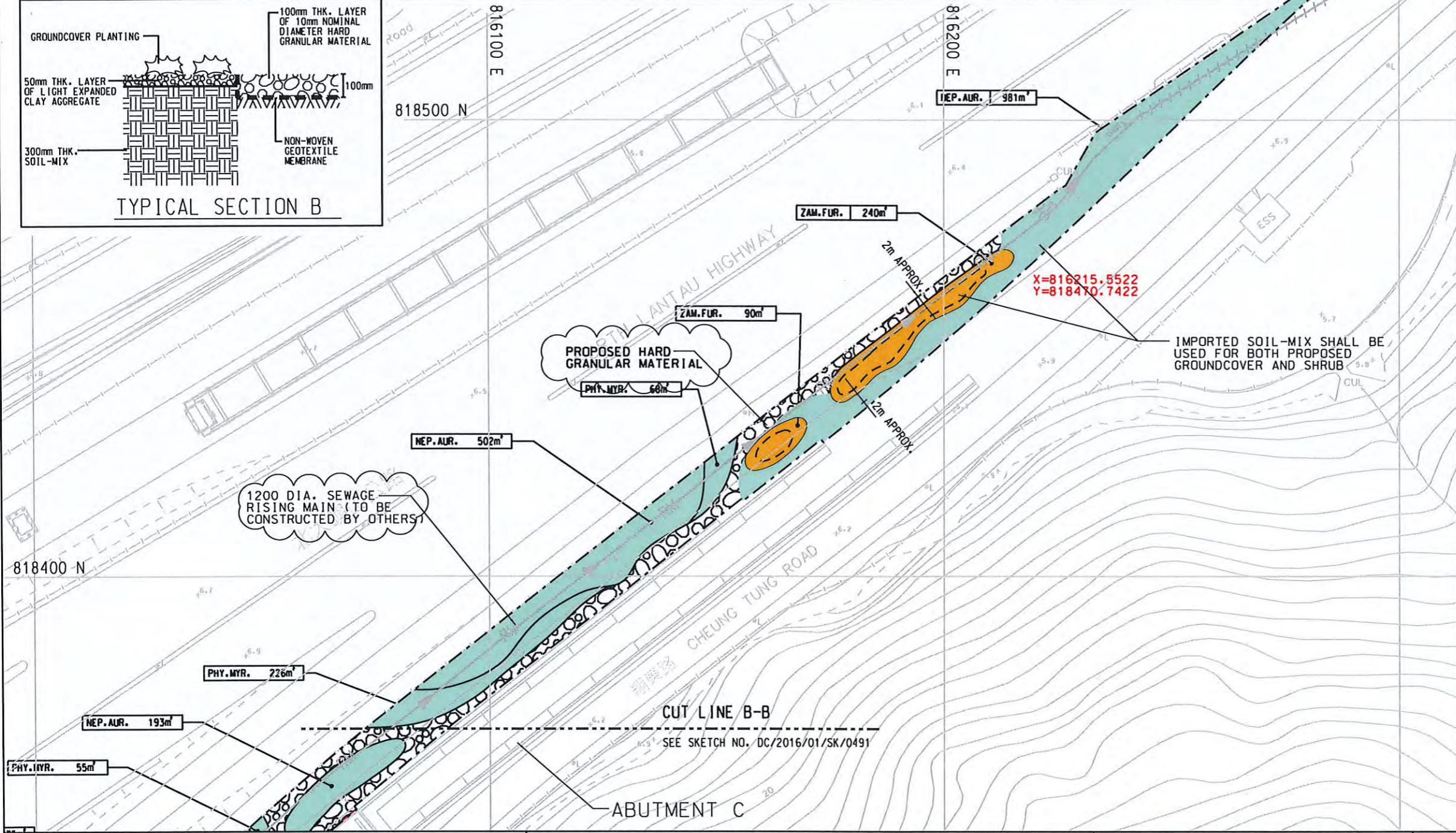
BLACK & VEATCH HONG KONG LIMITED
 博威工程顧問有限公司

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| 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
 - 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)
 - RIA.EC. 1905.742 SPECIES AREA 10q.m
 - PROPOSED TREE. MAINTENANCE UNDERTAKEN BY LCSD
 - PROPOSED FINAL LOCATION OF TRANSPLANTED TREE. MAINTENANCE UNDERTAKEN BY LCSD



1881m²

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

NOTES:

- THE CONTRACTOR SHALL TAKE NOTE OF GS CLAUSE 3.30 REGARDING THE REQUIREMENT OF SOIL-MIX.
- 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

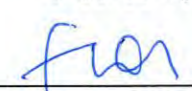
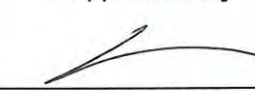
| | | | |
|-------------|-------|------------|--------------------|
| Drawn by | P L | Date | 03/07/2018 |
| Checked by | F N T | Scale | A3 1 : 1000 |
| Approved by | T C | Sketch no. | DC/2016/01/SK/0490 |
| | | Revision | E |

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 W T L | Date 28/11/2019 |
| Title PLANTING SCHEDULE FOR CHEUNG TUNG ROAD (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/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 |

| | |
|-----|------------------|
| 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 |
| Title | PLANTING SCHEDULE FOR AREA NORTH OF ABUTMENT C (LCSD) |



| | | | |
|-------------|-------|------------|--------------------|
| Drawn by | W T L | Date | 28/11/2019 |
| Checked by | F P | Scale | SCHEDULE |
| Approved by | C L | Sketch no. | DC/2016/01/SK/0347 |
| | | Revision | B |

**Environmental
Resources
Management**

2509
25/F
One Harbourfront
18 Tak Fung Street
Hung Hom
Kowloon
Hong Kong

Telephone: (852) 2271 3000
Facsimile: (852) 3015 8052
E-mail: post.hk@erm.com
<http://www.erm.com>

27 August 2021

Our ref: 0463091_90_Establishment L&V Checklist (Portion XXII) Jun-Aug 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 (June to August 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 June to August 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)



Registered Office
ERM-Hong Kong, Ltd
2509
25/F
One Harbourfront
18 Tak Fung Street
Hung Hom
Kowloon
Hong Kong

Inspection Date: 10th August 2021 **Inspected By:** Ray Yan
Time: 10:00 a.m. **Weather Condition:** Cloudy
Participants: Sue Kei (AECOM); Agnes Wong (Gammon); Rachel Wong (Ramboll)

| 4 | Zone: Area along Cheung Tung Road | 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 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"/> | |

| 2 | Zone: Southern Landfall, HKBCF | N/A or not observed | Yes | No | Remarks / Photo |
|------|--|-------------------------------------|-------------------------------------|-------------------------------------|-----------------|
| 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"/> | Obs. 2 |
| | | 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 | Yes | No | Remarks / Photo |
|----------|--|--------------------------|-------------------------------------|--------------------------|-----------------|
| 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 18 May 2021:

i) Tree re-planting works for tree species, *Grevillea robusta*, in the vicinity of F16 and F17 (pier marks) was completed in accordance with the latest planting plan (see *Follow-up actions 1 & 2*); ii) The leant tree, *Grevillea robusta*, in the vicinity of E14-A (pier mark) was corrected to an upright position (see *Follow-up action 3*); iii) Tree re-planting works for tree species, *Plumeria rubra*, in the vicinity of E14-A (pier mark) was completed in accordance with the latest planting plan (see *Follow-up action 4*); and iv) Planting of *Zephyranthes rosea*, on the bare ground in the vicinity of F13 (pier mark) was partially completed and its progress would be followed-up in next landscape monitoring (see *Follow-up action 5 & Observation 1*).

Observations:

Obs. 1: Planting of *Zephyranthes rosea*, on the bare ground in the vicinity of F13 (pier mark) was partially completed and its progress would be followed-up in next landscape monitoring.

Obs. 2: The tree, *Plumeria rubra*, planted in the vicinity of E14-A (pier mark) was in wilting. The tree health condition should be closely monitored and reviewed, and tree re-planting works should be undertaken in accordance with the latest planting plan if the tree is unavoidably removed from site.

Corrective Actions (if any):

- Tree health condition should be closely monitored and reviewed.
- Tree re-planting and grass planting works should be undertaken in accordance with the latest planting plan.

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: 10 August 2021

Reviewed by
(RSS Landscape Representative): Candy Lau Title: Senior Resident Landscape Architect



Signature:  Date: 18 August 2021



Contractor's Representative: Agnes Wong Title: SHI



Signature:  Date: 18 August 2021

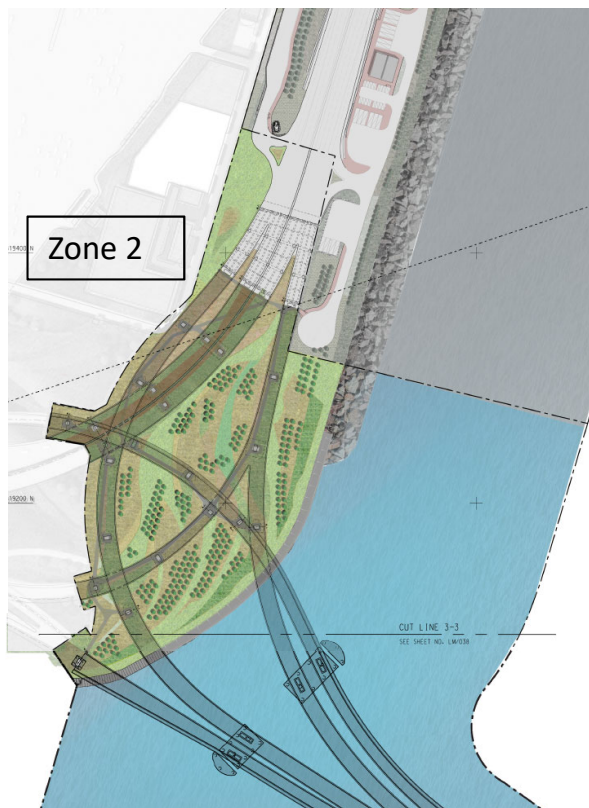
Checked by
(IEC's Representative): Rachel Wong Title: Assistant Environmental Consultant

Signature:  Date: 18 August 2021

| Location | Photo | Information |
|----------|--|---|
| Zone 2 |  | <p>Date: 10 August 2021</p> <p>Follow-up action 1: Tree re-planting works for tree species, <i>Grevillea robusta</i>, in the vicinity of F17 (pier mark) was completed in accordance with the latest planting plans.</p> <p>Species: <i>Grevillea robusta</i></p> |
| Zone 2 |  | <p>Date: 10 August 2021</p> <p>Follow-up action 2: Tree re-planting works for tree species, <i>Grevillea robusta</i>, in the vicinity of F16 (pier mark) was completed in accordance with the latest planting plans.</p> <p>Species: <i>Grevillea robusta</i></p> |

| Location | Photo | Information |
|----------|--|--|
| Zone 2 |  | <p>Date: 10 August 2021</p> <p>Follow-up action 3: The leant tree, <i>Grevillea robusta</i>, in the vicinity of E14-A (pier mark) was corrected to an upright position.</p> <p>Species: <i>Grevillea robusta</i></p> |
| Zone 2 |  | <p>Date: 10 August 2021</p> <p>Follow-up action 4: Tree re-planting works for tree species, <i>Plumeria rubra</i>, in the vicinity of E14-A (pier mark) was completed in accordance with the latest planting plan.</p> <p>Species: <i>Plumeria rubra</i></p> |

| Location | Photo | Information |
|----------|--|---|
| Zone 2 |  | <p>Date: 10 August 2021</p> <p>Observation 5 (Observation 1): Planting of <i>Zephyranthes rosea</i>, on the bare ground in the vicinity of F13 (pier mark) was partially completed and its progress would be followed-up in next landscape monitoring.</p> <p>Species: <i>Zephyranthes rosea</i></p> |
| Zone 2 |  | <p>Date: 10 August 2021</p> <p>Observation 2: The tree, <i>Plumeria rubra</i>, planted in the vicinity of E14-A (pier mark) was in wilting. The tree health condition should be closely monitored and reviewed, and tree re-planting works should be undertaken in accordance with the latest planting plan if the tree is unavoidably removed from site.</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*; and (B): *Grevillea robusta* within Zone 2
 (Taken on: 10 August 2021)



Photo 2: (A): *Plumeria rubra* within Zone 2
 (Taken on: 10 August 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\03_Jun-Aug 21

Date: 10/08/21

**Environmental
 Resources
 Management**





Photo 3: (A): *Plumeria rubra*; and (B): *Grevillea robusta* within Zone 2
 (Taken on: 10 August 2021)



Photo 4: (A): *Plumeria rubra*; and (B): *Grevillea robusta* within Zone 2
 (Taken on: 10 August 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\03_Jun-Aug 21

Date: 10/08/21

**Environmental
 Resources
 Management**





Photo 5: (A): *Plumeria rubra* within Zone 2
(Taken on: 10 August 2021)



Photo 6: (A): *Plumeria rubra* within Zone 2
(Taken on: 10 August 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\03_Jun-Aug 21

Date: 10/08/21

**Environmental
Resources
Management**





Photo 7: (A): *Plumeria rubra*; and (B): *Grevillea robusta* within Zone 2
 (Taken on: 10 August 2021)



Photo 8: (A): *Plumeria rubra* within Zone 2
 (Taken on: 10 August 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\03_Jun-Aug 21

Date: 10/08/21

**Environmental
 Resources
 Management**





Photo 9: (A): *Plumeria rubra* within Zone 2
(Taken on: 10 August 2021)



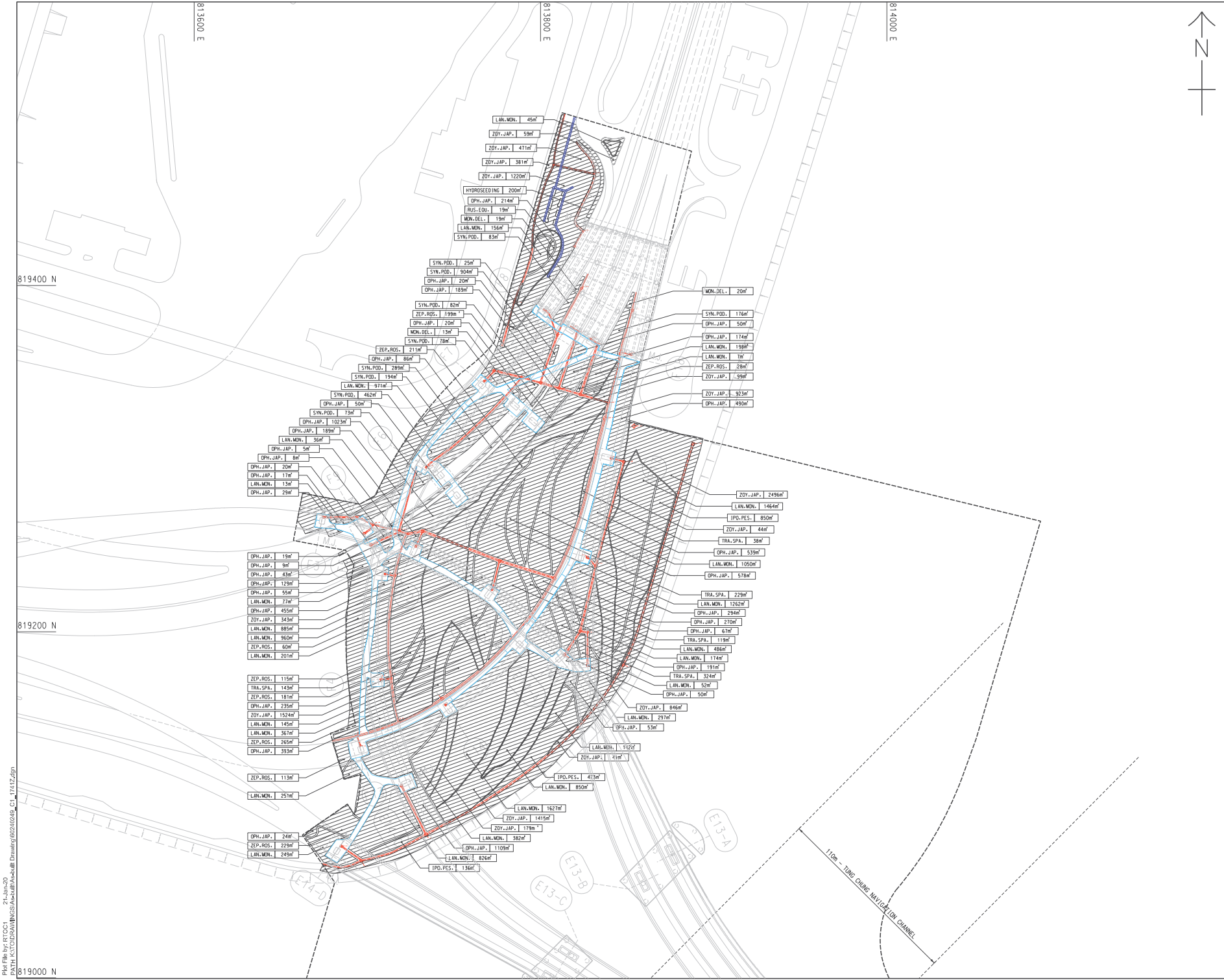
Photo 10: (A): *Plumeria rubra* within Zone 2
(Taken on: 10 August 2021)

Source: P:\Projects\0463091 Gammon Construction Limited Gammon TMCLKL
North Tunnel\JT\08_Site Audit\05_L&V establishment period
checklist\01_Portion XXII\03_Jun-Aug 21

Date: 10/08/21

**Environmental
Resources
Management**





- NOTES:**
1. THE PROPOSED PLANTING SPECIES AND ARRANGEMENT ON THE SOUTHERN LANDFILL SHALL FOLLOW THE GUIDELINES IN HONG KONG INTERNATIONAL AIRPORT APPROVED PLANT SPECIES LIST (REVISION 3, 11 JUNE 2001), AS ATTACHED IN ER AREA 4.
 2. THE DRAWING SHALL BE READ IN CONJUNCTION WITH SHEET NOS. 60240249/C1/1741 TO 1746 AND 17711.

- 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 (D19)
 - RHA, EXC. | 905.78 m²
 - SPECIES AREA (sq.m)
 - 1:0% - C/F11 EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

| Z | NOV/19 | AS-CONSTRUCTED | CPN |
|------|--------|----------------|-------|
| REV. | DATE | DESCRIPTION | CHKR. |
| | | | |

CLIENT

路政署 HIGHWAYS DEPARTMENT
 港務局 港務工程處
 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

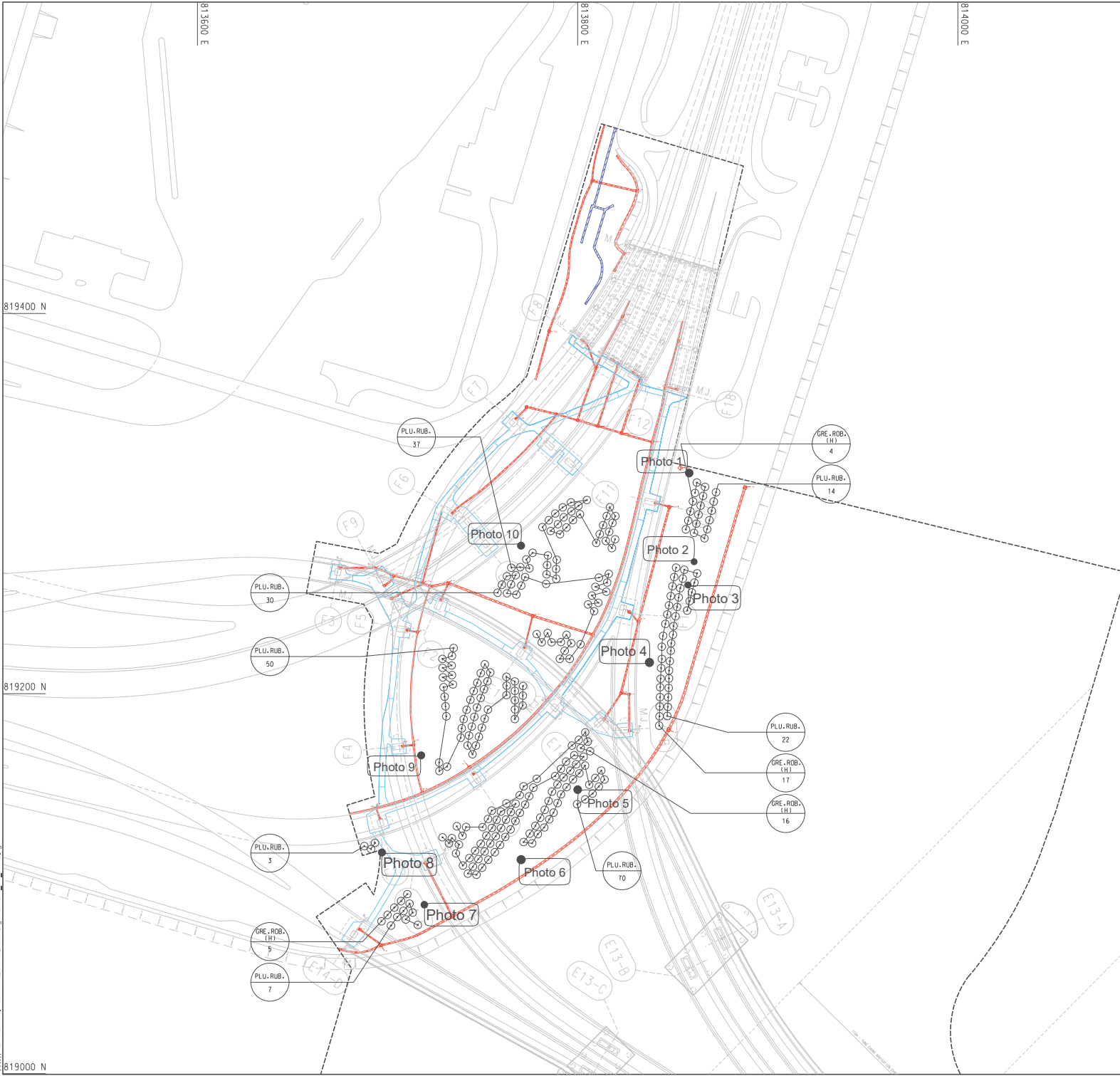
TITLE

SHRUB PLANTING PLAN

SHEET 1 OF 6

| | | | |
|-------------|------------------|-----------|-------------|
| STATUS | AS-BUILT DRAWING | SCALE | 1:1000 (A1) |
| | | | 1:2000 (A3) |
| DRAWN | GC | PRESERVED | GH |
| | | APPROVED | CL |
| DRAWING NO. | 60240249/C1/1741 | | |
| | | REV. | Z |

Plot File: brt001_21_140120
 PATH: K:\CADDRAWING\SS\A\shrub\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 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. 3.04 - 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 ADJUTING 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 3-1-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
- EXISTING SIMAR SLOPES WITH SLOPE REGISTRATION NO. SHOWN THUS

| | | | |
|------|--------|----------------|-------|
| Z | NOV/19 | AS-CONSTRUCTED | SWH |
| REV. | DATE | DESCRIPTION | CHKD. |

CLIENT

路政署
HIGHWAYS DEPARTMENT
總務處大橋及橋樑工程管理處
Hong Kong - Zhuhai - Maanshan Bridge
Hong Kong Project Management Office

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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 | | 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
 - D19 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
 港務局大橋及港地工程管理處
 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 KW | PREPARED CL | APPROVED CL |
|-------------|----------------|----------------|

SKETCH NO. SK-0600

Inspection Date: 18 August 2021

Inspected By: AUES

Time: 9:30 – 12:00

Weather Condition: Sunny

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

| 1 | Zone: Area along Lung Mun Road and Lung Fu Road | N/A or not observed | Yes | No | Remarks / Photo |
|------|--|-------------------------------------|-------------------------------------|-------------------------------------|-----------------|
| 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 | N/A or not observed | Yes | No | Remarks / Photo |
|-----|--|--------------------------|-------------------------------------|-------------------------------------|-----------------|
| 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Obs. 3</u> |
| 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 & 2</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 14 May 2021:

1. The tree HL409 (*Machilus chekiangensis*) on slope (5SE-D/C170) became bent had been supported in upright position was observed wilted in this inspection; the tree health condition in terms of irrigation should be closely monitored and reviewed.
2. The trees HL250 (*Machilus chekiangensis*) on slope (5SE-D/C170) became wilted was replaced.
3. The newly-grown leaves were observed for the trees (*Bauhinia variegata*) on slope (5SE-D/C171) that became wilted in last inspection.
4. The trees (*Bauhinia variegata*) on slope (5SE-D/C215) became wilted was replaced.

Observations:

1. The tree HL409 (*Machilus chekiangensis*) on slope (5SE-D/C170) became bent had been supported in upright position was observed wilted in this inspection; the tree health condition in terms of irrigation should be closely monitored and reviewed.
2. The trees (*Bauhinia variegata*) on slope (5SE-D/C21) became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed.
3. Overgrown plants/grasses were observed on slope (5SE-D/C16), regularly weeding should be provided.

Corrective Actions (if any):






1. Tree health condition, irrigation in particular, should be closely monitored and reviewed.
2. Regularly weeding should be provided.


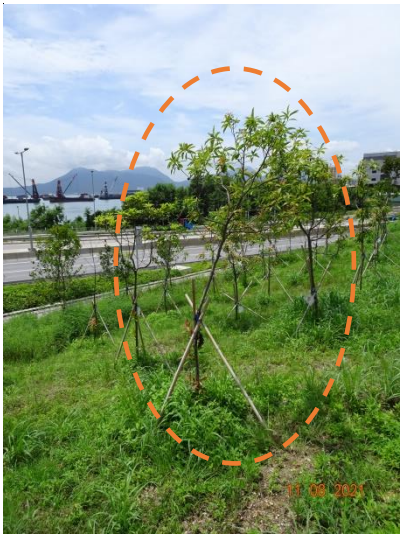
General Conclusion:

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.

Remark:

Nil

| | | | |
|---|--|--------|---|
| Inspected by (ET's Representative): | <u>Ben Tam</u> | Title: | <u>Environmental Consultant</u> |
| Signature: |  | Date: | <u>18 August 2021</u> |
| Reviewed by (RSS Landscape Representative): | <u>Candy Lau</u> | Title: | <u>Senior Landscape Architect</u> |
| Signature: |  | Date: | <u>10 September 2021</u> |
| Contractor's Representative: |   | Title: | <u>Project Manager</u> |
| Signature: | | Date: | <u>01 SEP 2021</u> |
| Checked by (IEC's Representative): | <u>Theo Chan</u> | Title: | <u>Assistant Environmental Consultant</u> |
| Signature: |  | Date: | <u>30 August 2021</u> |

| Location | Photo | Information |
|--------------------------------|--|---|
| <p>Zone 5 (5SE-D/C170)</p> |  | <p>Follow-up action 1 and Observation 1: The tree HL409 (<i>Machilus chekiangensis</i>) on slope (5SE-D/C170) became bent had been supported in upright position was observed wilted in this inspection; the tree health condition in terms of irrigation should be closely monitored and reviewed.</p> |
| <p>Zone 5 (5SE-D/C170)</p> |  | <p>Follow-up action 2: The trees HL250 (<i>Machilus chekiangensis</i>) on slope (5SE-D/C170) became wilted was replaced.</p> |

| | | |
|--------------------------------|--|--|
| <p>Zone 5 (5SE-D/C171)</p> |  | <p>Follow-up action 3: The newly-grown leaves were observed for the trees (<i>Bauhinia variegata</i>) on slope (5SE-D/C171) that became wilted in last inspection.</p> |
| <p>Zone 5 (5SE-D/C215)</p> |  | <p>Follow-up action 4: The trees (<i>Bauhinia variegata</i>) on slope (5SE-D/C215) became wilted was replaced.</p> |

| | | |
|-------------------------------|---|--|
| <p>Zone 5 (5SE-D/C21)</p> |  | <p>Observation 2: The trees (<i>Bauhinia variegata</i>) on slope (5SE-D/C21) became wilted; the tree health condition in terms of irrigation should be closely monitored and reviewed.</p> |
| <p>Zone 5 (5SE-D/C16)</p> |  | <p>Observation 3: Overgrown plants/grasses were observed on slope (5SE-D/C16), regularly weeding should be provided.</p> |



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



General View for 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 Toe Planter



General View for Toe Planter



General View for Toll Plaza



General View for Toll Plaza



General View for Toll Plaza



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



Watering system at 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



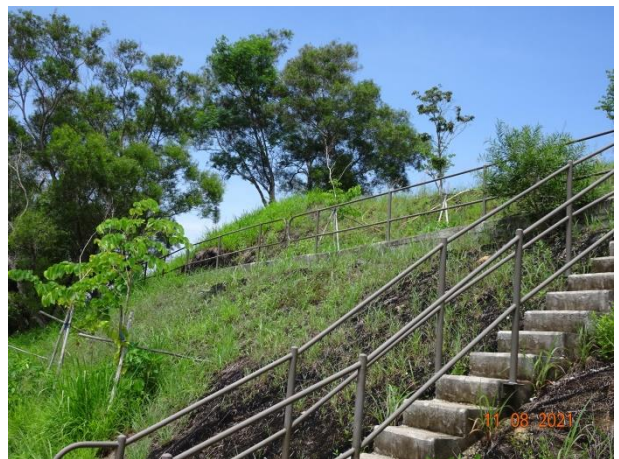
General View for Slope 5SE-D/C170



Watering system at 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/C18

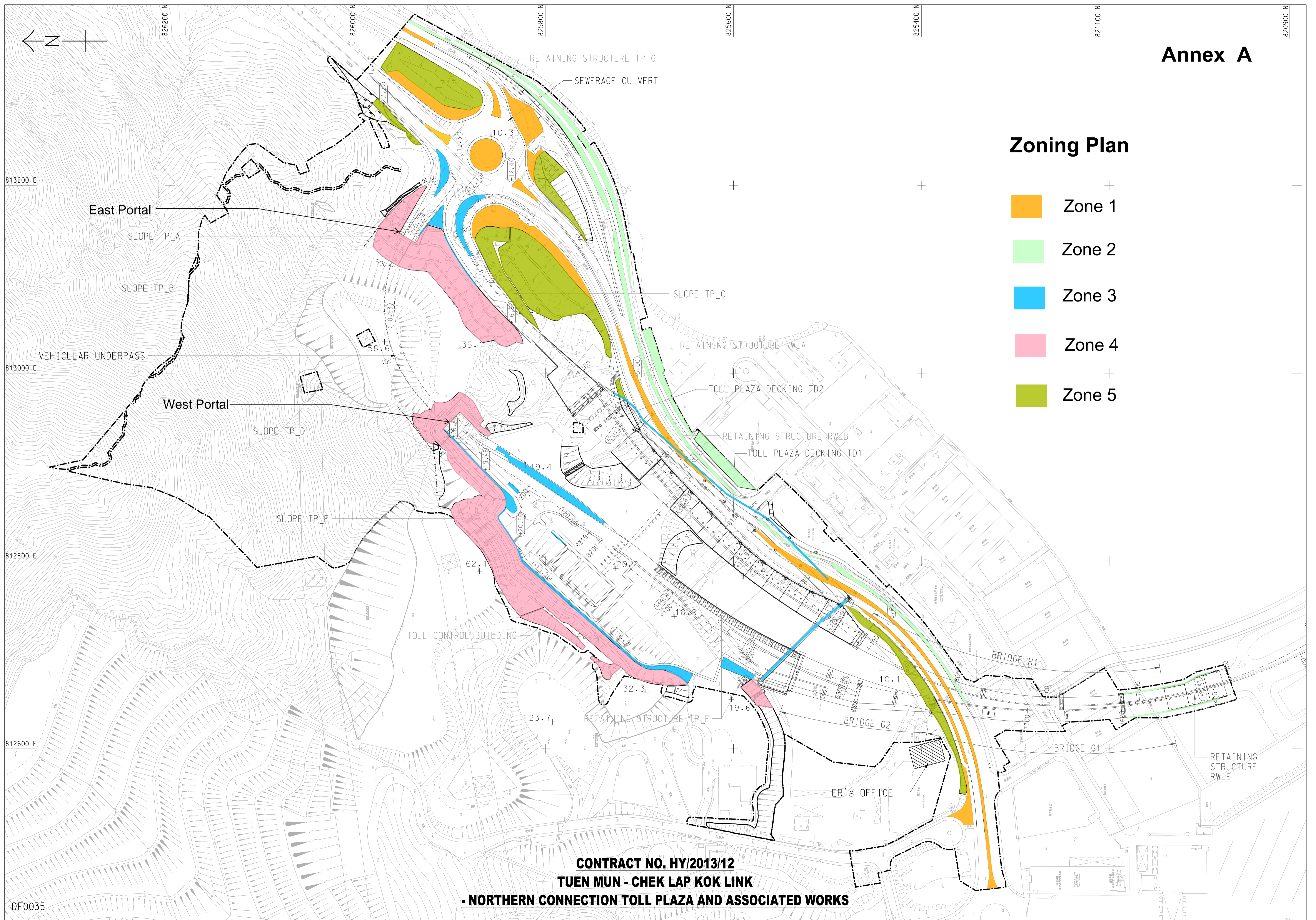


General View for Slope 5SE-D/C18

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

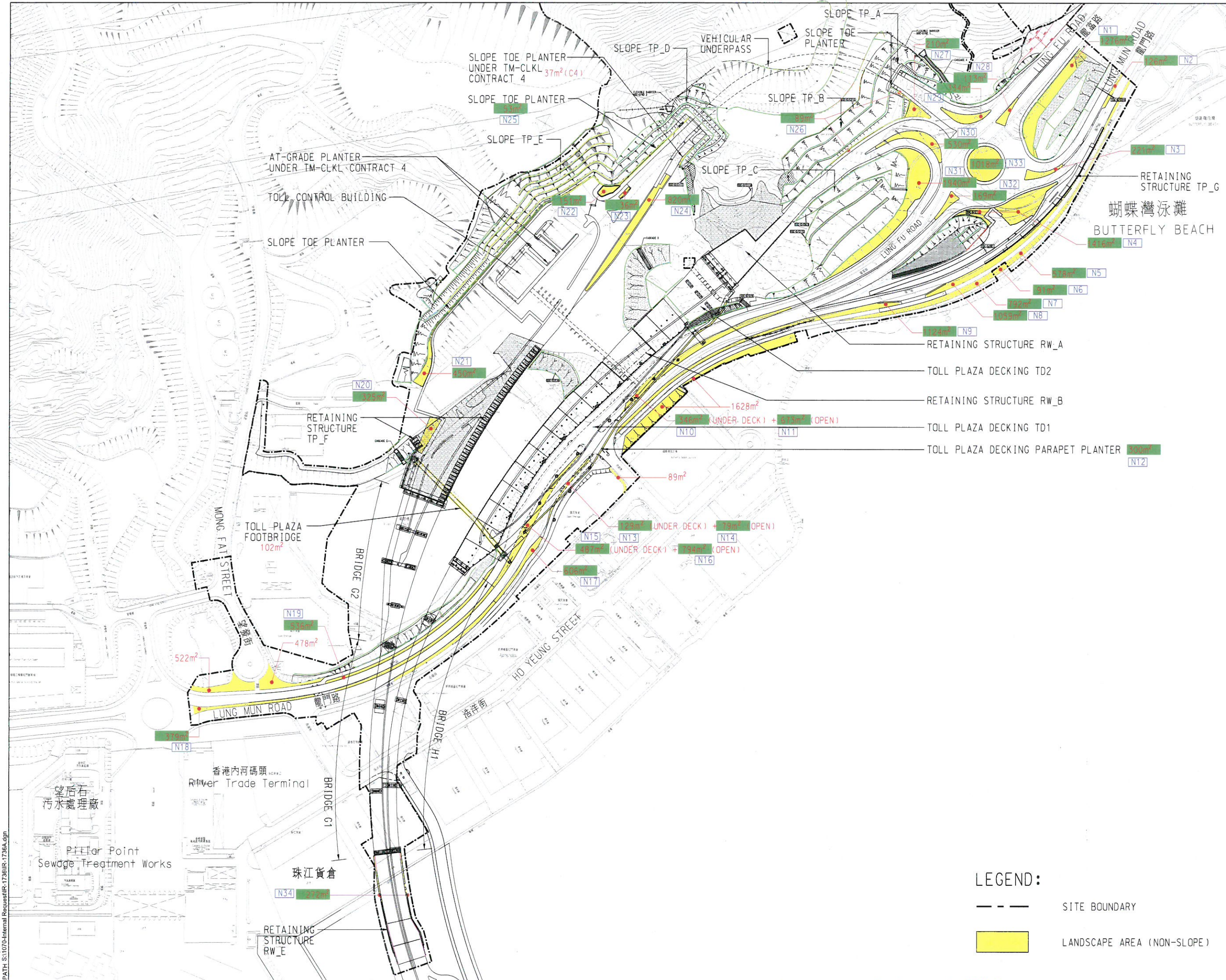
Contract No. HY/2013/12 (C3) Landscape Area Summary for EP Condition 2.9

| 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

Kingston

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營運處
 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**

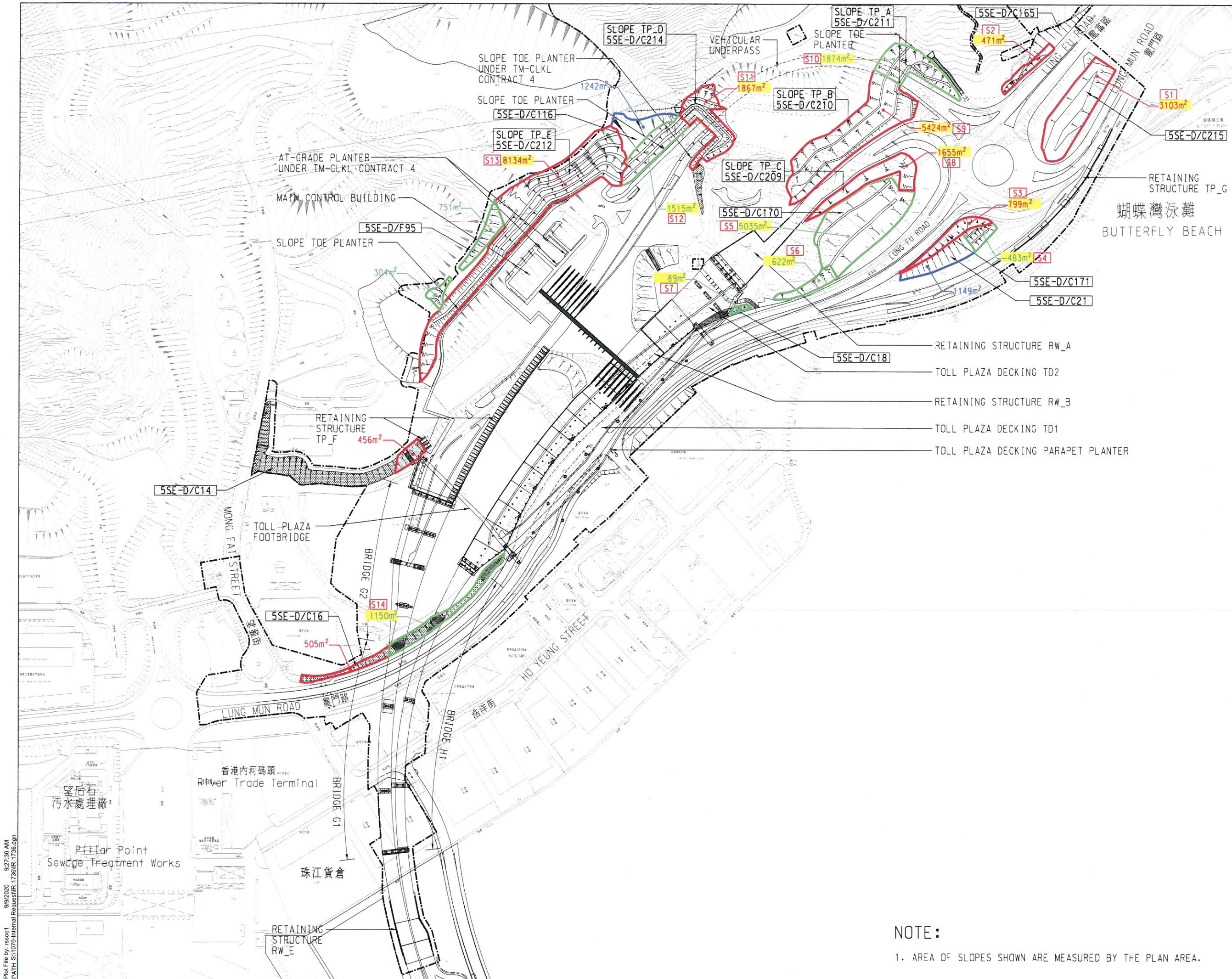
AMENDMENT TO WORKING DRAWING NO.
60240249/C3/DF2210

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

TITLE
LANDSCAPE AREA (NON-SLOPE)

SKETCH NO.
IR-1736A

LEGEND:
 - - - - - SITE BOUNDARY
 [Yellow Box] LANDSCAPE AREA (NON-SLOPE)



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 |

路政署
HIGHWAYS DEPARTMENT
 香港路政工程處
 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

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

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 thyrsoidea</i> * | 梭羅樹 | LIGHT STANDARD | 3000 |
| SGH.SUP. | <i>Schima superba</i> * | 木荷 (荷樹) | LIGHT STANDARD | 3000 |
| STE.LAN. | <i>Sterculia lanceolata</i> * | 假蘋婆 | LIGHT STANDARD | 3000 |
| STE.LAN. | <i>Sterculia lanceolata</i> * | 假蘋婆 | HEAVY STANDARD | 4500-5000 |
| VIB.ODO. | <i>Viburnum odoratissimum</i> * | 珊瑚樹 | LIGHT STANDARD | 3000 |
| SHRUB | | | | |
| DES. CHI. | <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>Rhaphiolepis 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> | 籐杜鵑 | MIN. 5 SHOOTS PER PLANT, 600mm LONG | 300-500 |
| FIC.PUM. | <i>Ficus pumila</i> * | 薛荔 | 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>Brachychiton 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> * | 假蘋婆 | 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.LHT. | <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> | 狐尾椰子 | 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>Rhaphiolepis 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 'sprengeri'</i> | 天冬 | 100(H) X 200(S) | 200 |
| CUP.HYS. | <i>Cupressus hyssopifolia</i> | 細葉雪松 | 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 | 潺槁樹 | 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 | 潺槁木 | 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 | 棧羅樹 | 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 alexandriae | 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 |
| August 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 |
| August 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 |
| August 2021 | 0 | 0 | NA | NA | NA |
| Cumulative since Contract commencement | 0 | 0 | NA | NA | NA |