

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

FINAL ENVIRONMENTAL MONITORING AND AUDIT (EM&A) Report FOR **ESTABLISHMENT MONITORING OF PROJECT'S BOUNDARY AREA** (JUNE 2020 TO JANUARY 2023)

PREPARED FOR HONG KONG LANDSCAPING CO., LTD.

Date	Reference No.	Prepared By	<b>Certified By</b>
24 April 2023	TCS01137/20/600/R0091v1	ILL D	A

the

Martin Li Ben Tam (Environmental Consultant) (Environmental Team Leader)

Version	Date	Remarks
1	24 April 2023	First Submission



Our Ref: TCS01137/20/300/L0092

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

Attn: Ms Candy Lau

1 June 2023 By Email

Dear Madam,

### Re: 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 Final Environmental Monitoring and Audit (EM&A) Report for Establishment Monitoring of Project's Boundary Area

We write to certify the Final Environmental Monitoring and Audit (EM&A) Report for Establishment Monitoring of Project's Boundary Area (TCS01137/20/600/R0091v1) in accordance with Condition 4.4 of the Environmental Permit no. EP-354/2009/D.

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

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

Ben Tam Environmental Team Leader

c.c.	ANewR (IEC	Ľ)
	Hong Kon	g
	(Contractor)	

) g Landscaping Mr. James Choi Co., Ltd Mr. S.C. Wong By email By email





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

Our reference:

HKHYD203/50/108830

Date: 1 June 2023

Attention: Mr Eric Wong

BY EMAIL & POST (email: se4.mwsd@hyd.gov.hk)

Dear Sirs

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

Contract No. HMWSD 2/2020 (HY)

Establishment of Landscape Softworks for Tuen Mun – Chek Lap Kok Link Final Environmental Monitoring and Audit (EM&A) Report for Establishment Monitoring of Project's Boundary Area (June 2020 to January 2023)

We refer to the email of 24 April 2023 attaching a Final Environmental Monitoring and Audit (EM&A) Report for Establishment Monitoring of Project's Boundary Area (June 2020 to January 2023) prepared by the Environmental Team (ET) of the captioned.

We have no comment and hereby verified the captioned report in accordance with Clause 4.4 of the Environmental Permit no. EP-352/2009/D and Clause 5.4 of the Environmental Permit no. EP-353/2009/K.

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

Yours faithfully ANEWR CONSULTING LIMITED

James Choi Independent Environmental Checker

CPSJ/LCCR/lsmt

cc Highway Department – Mr Nick Li (email: e10.mwsd@hyd.gov.hk) Highway Department – Mr Vincent Li (email: pc9.mwsd@hyd.gov.hk) AEUS – Mr Ben Tam (email: bentam@fordbusiness.com)

ANewR Consulting Limited Unit 1813, 1815-16, 18/F, Tower A, Regent Centre 63 Wo Yi Hop Road, Kwai Chung, Hong Kong Tel: (852) 2618 2831 Fax: (852) 3007 8648 Email: info@anewr.com Web: www.anewr.com





### **EXECUTIVE SUMMARY**

- ES01 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, establishment monitoring works will be undertaken for a period of two years after the commission of the project
- ES02 The planting area under TM-CLK Project was constructed by three different Contract HY/2012/07, HY/2013/12 and HY/2017/10.
- ES03 This is the Final EM&A report under the Contract HMWSD 2/2020 (HY) presenting the establishment monitoring results and inspection findings during the establishment period for TM-CLK Project's boundary from June 2020 to January 2023.

#### SUMMARY OF EM&A ACTIVITIES FOR THE REPORTING PERIOD

- During the establishment period, establishment inspection which supervised by the RLA was ES04 conducted quarterly. Total 8 inspections were conducted for the planting area under the Contract HY/2012/07, HY/2013/12 & HY/2017/10 respectively.
- ES05 The 24-month establishment period for the planting area under the Contract HY/2012/07 and the Contract HY/2013/12 were completed at the end of May 2022. Furthermore, the 24-month establishment period for the planting area under the Contract HY/2017/10 was completed at the end of January 2023.

#### **ENVIRONMENTAL COMPLAINT**

ES06 In the Reporting Period, no environmental complaint was received. The statistical summary of environmental complaints is summarized in the following table.

Depending Devied	<b>Environmental Complaint Statistics</b>		
Reporting Period	Frequency	Cumulative	
June 2020 to January 2023	0	0	

#### NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

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

#### **CONCLUSION**

- The condition of the planted tree is satisfaction. Moreover, the species and quantity of tree planted **ES08** in those areas are complied with the approved Landscape & Visual Plan / Planting Schedule.
- ES09 The entire establishment monitoring for the planting area within the TMCLKL Project boundary was completed. The quantity of tree planting and the landscape planting area for the TM-CLKL Project fulfil with the EIA Report and EP requirement.
- ES10 Reporting for those compensation tree planting areas outside the Project's boundary can be referred to the Monthly Report for the Contract HY/2021/13.

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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.
- 1.1.3 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, establishment monitoring works had been conducted for a period of two years after the commission of the project.
- 1.1.4 The planting area under TM-CLK Project was constructed by three different Contract HY/2012/07, HY/2013/12 and HY/2017/10. The layout Plan of the Project and the zoning plan for each Contract are showed in *Appendix A and B* respectively.
- 1.1.5 The major works during the establishment period mainly include:-a. Maintenance the approx. 33ha planting area of the Project during the establishment period.
- 1.1.6 This is the **Final** EM&A report under the Contract HMWSD 2/2020 (HY) presenting the establishment monitoring results and inspection findings during the establishment period for TM-CLK Project's boundary from **June 2020 to January 2023**.

### **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 for the Establishment Period
  - Section 3 Summary of Establishment Period Monitoring
  - Section 4 Compliance of Tree planting for TMCLK Project
  - Section 5 Environmental Complaints and Non-Compliance

Section 6 Conclusions

# **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 FOR THE ESTABLISHMENT PERIOD

#### 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 In this report, it was only focus on the aspect "landscape and visual" under the EM&A requirements during the establishment period. 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

#### Landscape and Visual

- 2.2.1 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.
- 2.2.2 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 was 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 had been handover to the contract HMWSD 2/2020 (HY) and the Contract HY/2021/13. The summary of establishment period for the Project is shown in *Table 2-1*.

Planting Area	Establishment Period				
under the Contract	Commenced	Completed			
HY/2012/07 (Zone 1 – 4)	June 2020	May 2022			
HY/2013/12 (Zone 1 – 5)	June 2020	May 2022			
HY/2017/10 (Zone 1 – 6)	February 2021	January 2023			

 Table 2-1
 Summary of Establishment Period for the Project

## **3** SUMMARY OF ESTABLISHMENT PERIOD MONITORING

#### 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 13<sup>th</sup> to the 24<sup>th</sup> month would be continued by other members of the Project. The EMIS for the Contract is shown in *Appendix E*.
- 3.1.2 According to the contract arrangement, the establishment period under the planting area of the Contract HY/2012/07 and the Contract HY/2013/12 were commenced in June 2020. The establishment period under the planting area HY/2017/10 was commenced in February 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 Total **8** establishment inspections were conducted for each planting area respectively. The details of Establishment inspection checklist for the Project during the establishment period can refer to the relative Monthly EM&A Reports and summary of the establishment inspection are shown in *Table 3-1 to 3-3*.

# Table 3-1Summary of the Establishment inspection for the Planting Area under the<br/>Contract HY/2012/07

		Quarter of Establishment Inspection						
	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	$5^{\text{th}}$	6 <sup>th</sup>	$7^{\text{th}}$	8 <sup>th</sup>
Zoning	(Jun to Aug 20)	(Sep to Nov 20)	(Dec 20 to Feb 21)	(Mar to May 21)	(Jun to Aug 21)	(Sep to Nov 21)	(Dec 21 to Feb 22)	(Mar to May 22)
(Zone 1, 3 & 4)	16 & 21 Jun 20	8 & 9 Oct 20	26 Jan & 9 Feb 21	4 May 21	16 Aug 21	23 Nov 21	25 Feb 22	26 May 22
Respond Party	ET of the HY/20		ET of the Contract HMWSD 2/2020 (HY)					
(Zone 2)	16 & 21 Jun 20	8 & 9 Oct 20	19 Feb 21	18 May 21	10 Aug 21	8 Nov 21	22 Dec 21	25 Apr 22
Respond Party	ET of the HY/20		ET of the Contract HY/2017/10		ET of the Contract HY/2021 /13			

# Table 3-2Summary of the Establishment inspection for the Planting Area under the<br/>Contract HY/2013/12

		Quarter of Establishment Inspection						
7	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>
Zoning	(Jun to Aug 20)	(Sep to Nov 20)	(Dec 20 to Feb 21)	(Mar to May 21)	(Jun to Aug 21)	(Sep to Nov 21)	(Dec 21 to Feb 22)	(Mar to May 22)
(Zone 1 to 5)	17 & 26 Aug 20	30 Nov 20	25 Feb 21	14 May 21	18 Aug 21	16 Nov 21	24 Feb 22	31 May 22
Respond Party	ET of the Contract HY/2013/12			ET of the	e Contract H	HMWSD 2/20	020 (HY)	

		Quarter of Establishment Inspection						
	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	$7^{\text{th}}$	8 <sup>th</sup>
Zoning	(Feb to Apr 21)	(May to Jul 21)	(Aug to Oct 21)	(Nov 21 to Jan 22)	(Feb to Apr 22)	(May to Jul 22)	(Aug to Oct 22)	(Nov 22 to Jan 23)
(Zone 1 to 5)	4, 5 & 9 Mar 21	27 & 30 July 21	20 & 24 Sep 21	20 & 22 Dec 21	12 Apr 22	17 May 22	20 Oct 22	13 Jan 23
Respond Party	ET of the Contract HY/2017/10						HMW	the Contract /SD 2/2020 (HY)
(Zone 6)	4, 5 & 9 Mar 21	27 & 30 July 21	20 & 24 Sep 21	20 & 22 Dec 21	25 Apr 22	21 Jul 22	20 Oct 22	13 Jan 23
Respond Party	ET of the Contract HY/2017/10				ET	of the Cont	ract HY/2	021/13

# Table 3-3Summary of the Establishment inspection for the Planting Area under the ContractHY/2017/10

- 3.1.5 The 24-month establishment period for the planting area under the Contract HY/2012/07 and the Contract HY/2013/12 were completed at the end of May 2022. Furthermore, the 24-month establishment period for the planting area under the Contract HY/2017/10 was completed at the end of January 2023.
- 3.1.6 Further to the TM-CLK Northern Connection opened to the public on 27 December 2020, road enhancement measures at the Lung Fu Road Roundabout were proposed by Transport Department (TD) and subsequently Leisure and Cultural Services Department (LCSD) reviewed the site condition at various locations and requested some landscape amendments for enhancement of safe work condition to be carried out during their routine maintenance of vegetation. Given that the quantity of tree planting remains unchanged and the landscape area in the vicinity would not be reduced, EPD reviewed the information and had no comment on the minor landscape modifications. The information on the landscape modifications at Lung Fu Road, Lung Mun Road and in the vicinity is shown in *Appendix F*.
- 3.1.7 The entire establishment monitoring for the planting area within the TMCLKL Project boundary was completed. The condition of the planted tree is satisfaction. Moreover, the species and quantity of tree planted in those areas are complied with the approved Landscape &Visual Plan / Planting Schedule.

### 4 COMPLIANCE OF TREE PLANTING FOR TMCLK PROJECT

#### 4.1 SUMMARY OF THE TREE PLANTING FOR THE PROJECT

4.1.1 According to the requirements of the EIA Report and EP, the TM-CLKL Project shall carry out landscape softworks including planting of 6300 trees and provide at least 33 ha of landscape planting. All the planting works for the Project was completed. The compliance check for the quantity of tree planting and landscape planting area for the Project are summarized in *Table 4-1* and *Table 4-2* the tree planting summary and planting area for TM-CLKL Project is illustrated in *Appendix G & H* respectively.

Works Contract	Location	Total No. of Tree Planting (light standard to heavy standard size)	EIA Requirement
HY/2012/07 (includes Entrusted Landscape Works to DC/2016/01)	Within TMCLK Project Boundary	1247	At least 6300 trees
HY/2013/12		1109	(light standard to heavy standard size)
HY/2017/10 HY/2021/13	Outside TMCLK Project Boundary	2997 1066	
	Total:	6419	Comply

 Table 4-1
 Summary of Quantity Tree Planting for TM-CLKL Project

Table 4-2	Summary of Land	lscape Planting Area f	for TM-CLKL Project

Works Contract	Location	Total Area of Landscape Planting (ha)	EIA Requirement
HY/2012/07 (includes Entrusted Landscape Works to DC/2016/01)	Within TMCLK Project Boundary	14.3	
HY/2013/12 HY/2017/10		5.3 14.4	At least 33 ha
HY/2021/13	Outside TMCLK Project Boundary	NA	
	Total:	33.9	Comply

- 4.1.2 According to the above summary, the quantity of tree planting and the landscape planting area for the TM-CLKL Project fulfil with the EIA Report and EP requirement.
- 4.1.3 Reporting for those compensation tree planting areas outside the Project's boundary can be referred to the Monthly Report for the Contract HY/2021/13.



### 5 ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE

#### 5.1 Environmental Complaint, Summons and Prosecution

- 5.1.1 In the Reporting Period, no environmental complaint, summons and prosecution under the EM&A Programme was lodged.
- 5.1.2 The statistical summary table of environmental complaint, summons and prosecution are presented in *Tables 5-1, 5-2 and 5-3*.

#### Table 5-1 Statistical Summary of Environmental Complaints

	Environmental Complaint Statistics								
<b>Reporting Period</b>	Ene en en en	Cumulative	Complaint Nature						
	Frequency		Air	Noise	Water	Others			
June 2020 to January 2023	0	0	NA	NA	NA	NA			

#### Table 5-2 Statistical Summary of Environmental Summons

	Environmental Summons Statistics						
<b>Reporting Period</b>			Complaint Nature				
	Frequency	Cumulative	Air	Noise	Water		
June 2020 to January 2023	0	0	NA	NA	NA		

#### Table 5-3 Statistical Summary of Environmental Prosecution

	Environmental Prosecution Statistics						
<b>Reporting Period</b>	Frequency Cumulative		Complaint Nature				
	Frequency	Cumulative	Air	Noise	Water		
June 2020 to January 2023	0	0	NA	NA	NA		

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

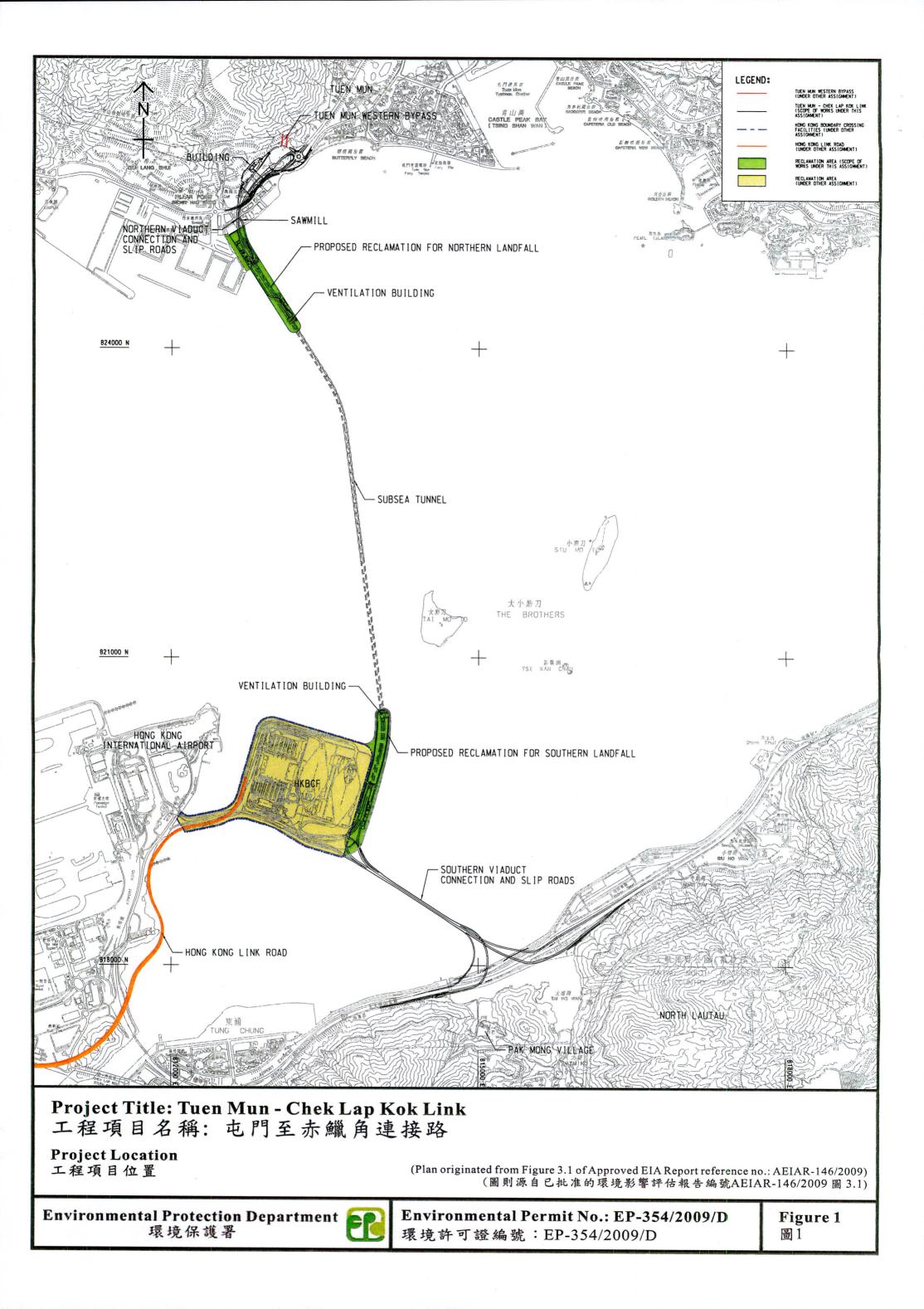
#### 6 **CONCLUSIONS**

#### 6.1 **CONCLUSIONS**

- 6.1.1 This is the Final EM&A Report summarized the monitoring results and inspection findings for the establishment monitoring of Project's boundary area for the establishment period of June 2020 to January 2023.
- 6.1.2 During the establishment period, establishment inspection which supervised by the RLA was conducted quarterly. Total **8** inspections were conducted for the planting area under the Contract HY/2012/07, HY/2013/12 & HY/2017/10 respectively.
- 6.1.3 The 24-month establishment period for the planting area under the Contract HY/2012/07 and the Contract HY/2013/12 were completed at the end of May 2022. Furthermore, the 24-month establishment period for the planting area under the Contract HY/2017/10 was completed at the end of January 2023.
- 6.1.4 The condition of the planted tree is satisfaction. Moreover, the species and quantity of tree planted in those areas are complied with the approved Landscape &Visual Plan / Planting Schedule.
- 6.1.5 The entire establishment monitoring for the planting area within the TMCLKL Project boundary was completed. The quantity of tree planting and the landscape planting area for the TM-CLKL Project fulfil with the EIA Report and EP requirement.
- 6.1.6 In the Reporting Period, no environmental complaint was received.
- 6.1.7 No notifications of summons, or successful prosecution were received during the Reporting Period.

Appendix A

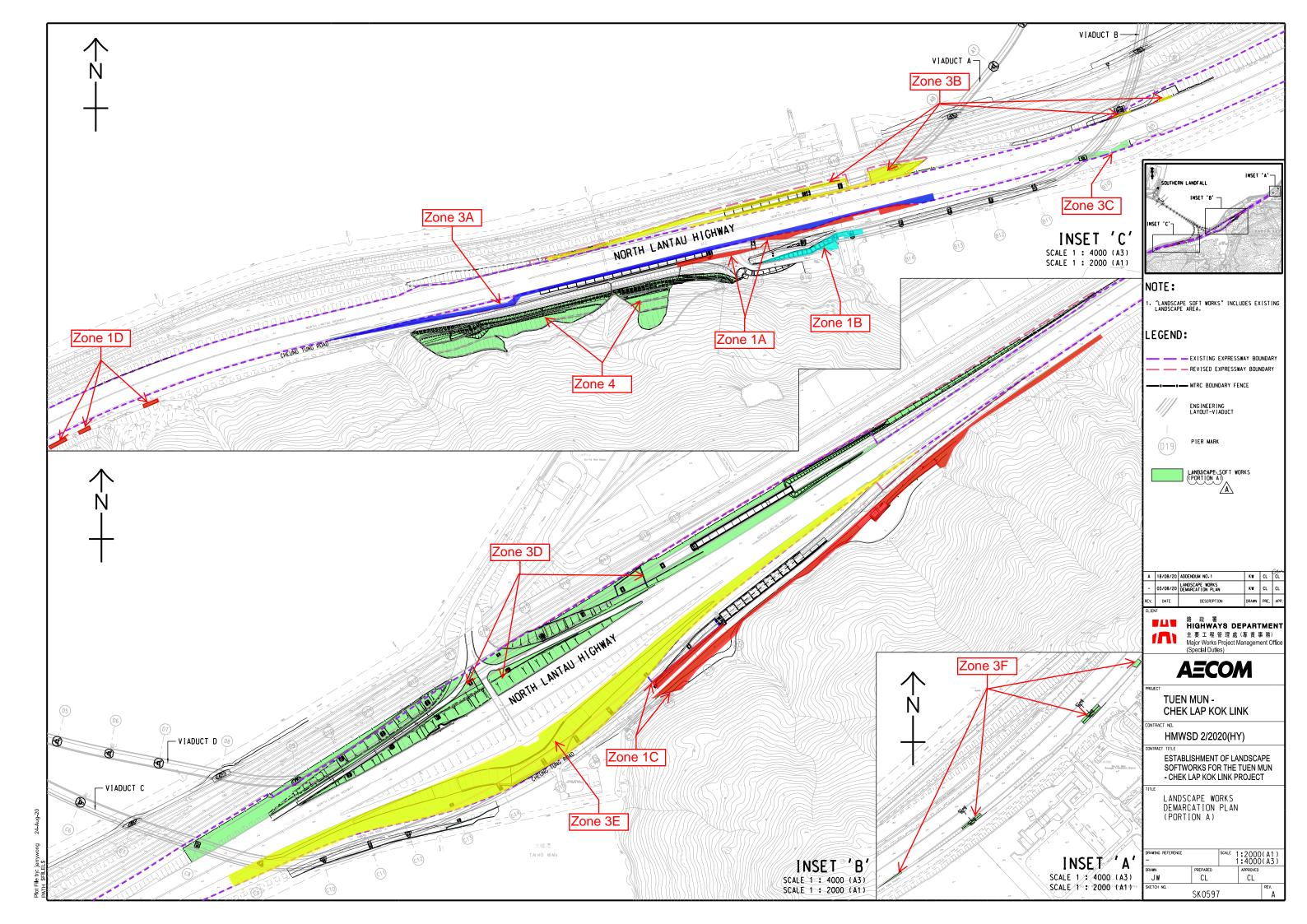
# **Project Layout Plan**



Appendix **B** 

**Zoning Plan for the Project** 

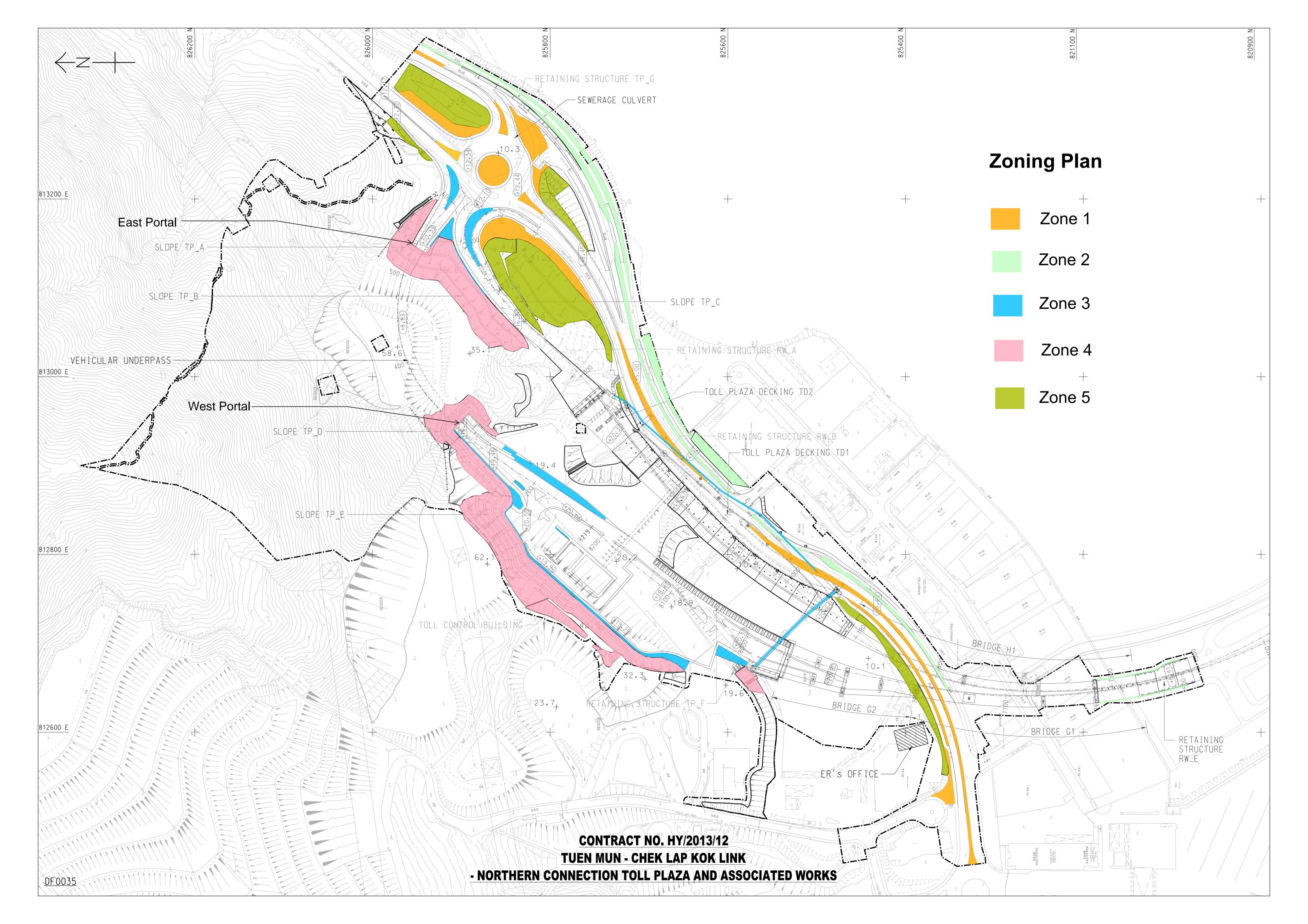
# Zoning Plan under Contract HY/2012/07





# ZONING PLAN – LANDSCAPE WORKS MONITORING (ESTABLISHMENT WORKS)

# Zoning Plan under Contract HY/2013/12

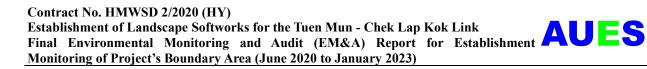


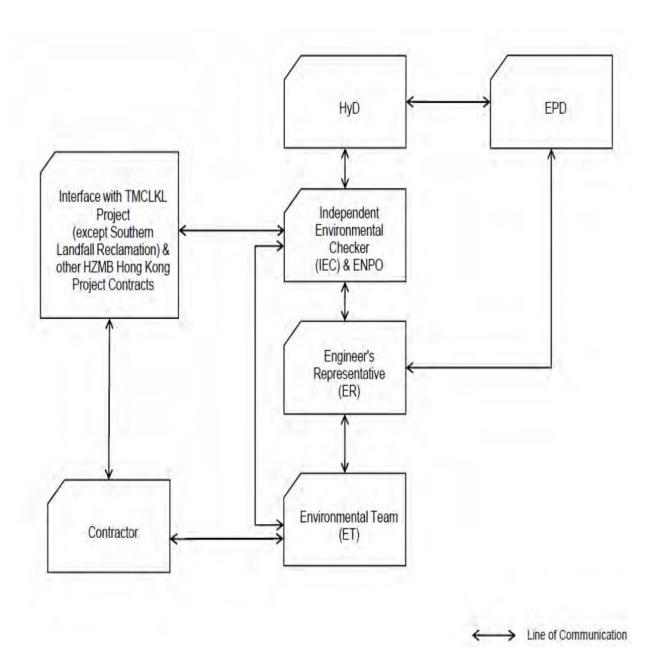
# Zoning Plan under Contract HY/2017/10



Appendix C

# **Organization of the Contract**





**Project Organization chart** 

Organization	Project Role	Name of Key Staff	Tel No	Fax No.
HyD	HyD Employer		2762 3628	3188 6614
AECOM	AECOM Senior Resident Engineer		2293 6200	2218 7399
AECOM	Senior Resident Landscape Architect	Ms. Candy Lau	2293 6200	2218 7399
AECOM	Senior Resident Engineer (S&E)	Mr. K P Wong	2293 6200	2218 7399
ANewR	Environmental Project Office Leader (ENPO Leader)	Mr. Louis Kwan	2618 2836	3007 8648
ANewR	Independent Environmental Checker (IEC)	Mr. James Choi	2618 2836	3007 8648
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

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

Legend:

HyD (Employer) –Highways Department AECOM (Engineer) – AECOM Asia Co. Ltd. HKL (Main Contractor) – Hong Kong Landscaping Co., Ltd. ANewR (ENPO and IEC) –ANewR Consulting Limited AUES (ET) – Action-United Environmental Services & Consulting Appendix D

# **Event and Action Plan**

EVENT	ACTION						
ACTION LEVEL	ET	IEC	ER	Contractor			
Design Check	• Check final design conforms to the requirements of EP and prepare report.	<ul> <li>Check report.</li> <li>Recommend remedial design if necessary</li> </ul>	• Undertake remedial design if necessary				
Non- conformity on one occasion	<ul> <li>Identify Source</li> <li>Inform IEC and ER</li> <li>Discuss remedial actions with IEC, ER and Contractor</li> <li>Monitor remedial actions until rectification has been completed</li> </ul>	<ul> <li>Check report</li> <li>Check Contractor's working method</li> <li>Discuss with ET and Contractor on possible remedial measures</li> <li>Advise ER on effectiveness of proposed remedial measures.</li> <li>Check implementation of remedial measures</li> </ul>	<ul> <li>Notify Contractor</li> <li>Ensure remedial measures are properly implemented</li> </ul>	<ul> <li>Amend working methods</li> <li>Rectify damage and undertake any necessary replacement</li> </ul>			
Repeated Non- conformity	<ul> <li>Identify Source</li> <li>Inform IEC and ER</li> <li>Increase monitoring frequency</li> <li>Discuss remedial actions with IEC, ER and Contractor</li> <li>Monitor remedial actions until rectification has been completed</li> <li>If nonconformity stops, cease additional monitoring</li> </ul>	<ul> <li>Check monitoring report</li> <li>Check Contractor's working method</li> <li>Discuss with ET and Contractor on possible remedial measures</li> <li>Advise ER on effectiveness of proposed remedial measures</li> <li>Supervise implementation of remedial measures</li> </ul>	<ul> <li>Notify Contractor</li> <li>Ensure remedial measures are properly implemented</li> </ul>	<ul> <li>Amend working methods</li> <li>Rectify damage and undertake any necessary replacement</li> </ul>			

# Event and Action Plan for Landscape and Visual Impact

ET - Environmental Specialist, IEC - Independent Environmental Checker, ER - Engineer's Representative

# Appendix E

# **Environmental Mitigation and Enhancement Measures Implementation Schedule (EMIS)**

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

EIA	e and Visu EM&A Manual		Logotion / Timin a	Implementation	Relevant Stondard or	Imp	lement Stages		States
reference	reference	Environmental Protection Measures	Location/ Timing	Agent	Standard or Requirement	D	C	0	Status
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 SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

EIA	e and Visu		Leasting/Timing	Implementation	Relevant	Implementation Stages			G
reference	Manual reference	Environmental Protection Measures	Location/ Timing	Agent	Standard or Requirement	D	C	0	Status
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 : HγD & 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 SOFTWORKS FOR THE TUEN MUN - CHEK LAP KOK LINK ENVIRONMENTAL MITIGATION AND ENHANCEMENT MEASURE IMPLEMENTATION SCHEDULE

Landscap	e and Visu	al							
EIA	EM&A Manual		Location/ Timing	Implementation	Relevant Standard or	Imp	lement Stages		Status
reference	reference		Location, Thinks	Agent	Requirement	D	С	0	Status
		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 : HγD & 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
- $\triangle$  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 F

Minor Landscape Modification at Lung Fu Road, Lung Mun Road and in the Vicinity

Appendix I

# Minor Landscape Modifications at Lung Fu Road, Lung Mun Road and in the Vicinity

## Background

Tuen Mun – Chek Lap Kok Link ("TM-CLKL") – Northern Connection was opened to the public on 27 December 2020. Further to the road enhancement measures at the Lung Fu Road Roundabout proposed by Transport Department (TD) and the consequent landscape amendments as reported in July 2021, Leisure and Cultural Services Department (LCSD) reviewed the site condition and requested some landscape amendments.

The planting and the establishment period were completed according to the LCSD's approved planting proposal. As LCSD reviewed the various roadside planting on site, LCSD requested some landscape amendments for the enhancement of safe work condition for their routine maintenance of vegetation. The landscape amendments proposed by LCSD at the Lung Fu Road Roundabout and the roadside planters in the vicinity would be slightly different from the approved Landscape and Visual Plan, however, the landscape amendments are considered minor.

## Minor landscape amendments compared to the approved Landscape and Visual Plan

- (i) The surrounding planters of the Lung Fu Road Roundabout would be modified, resulting in minor rearrangement of trees within the planters;
- (ii) The plant species for roadside planters are proposed to be changed to smaller size species to enhance the safe work condition. The quantity of tree planting remains unchanged; and
- (iii) The landscape area at the Lung Fu Road Roundabout and planters in the vicinity would not be reduced.

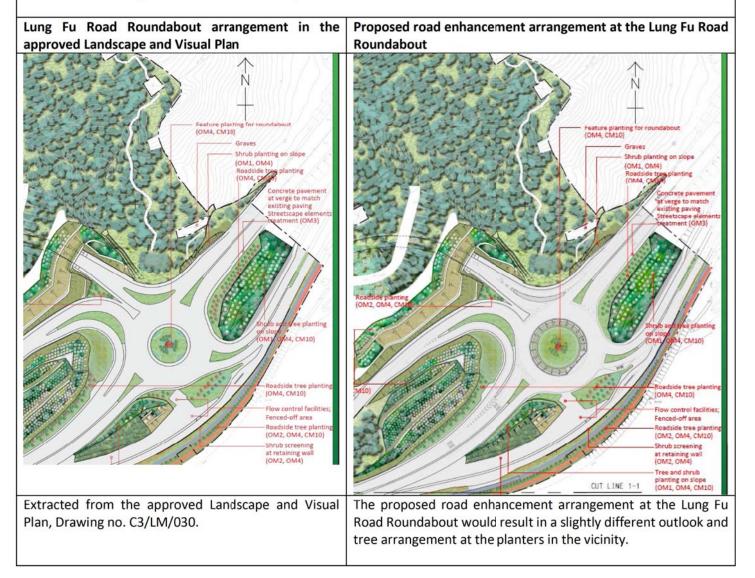
The Lung Fu Road Roundabout and planters in the vicinity in the approved Landscape and Visual Plan and the proposed arrangements are juxtaposed in the following pages.

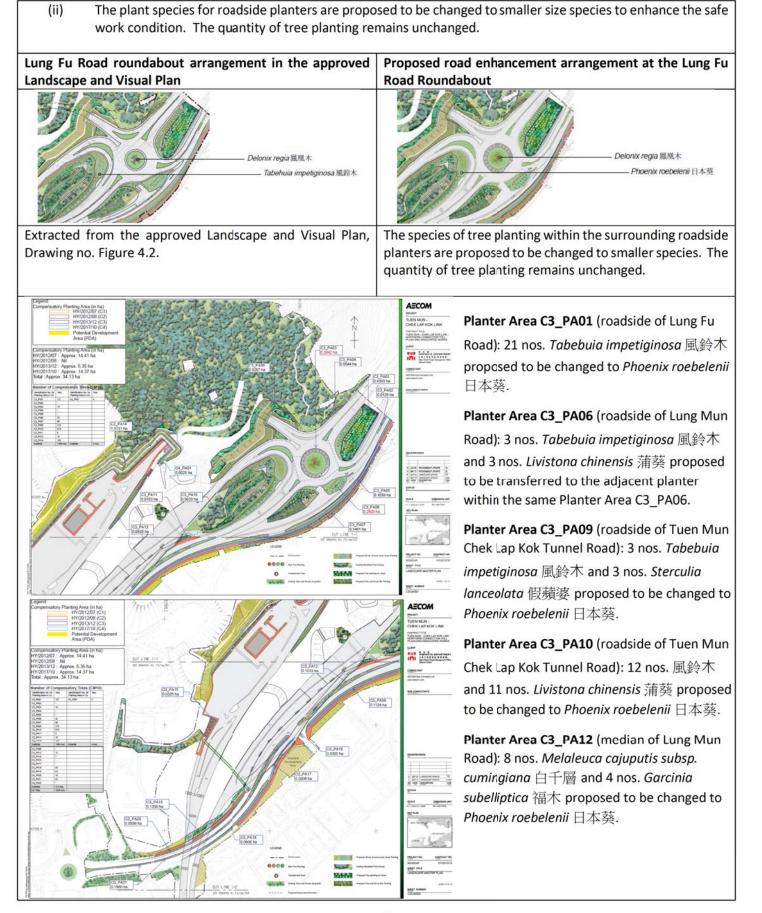
### Establishment period for the trees at the Lung Fu Road Roundabout and Planters in the Vicinity

The trees planted at the Lung Fu Road Roundabout together with the other planting works implemented under Contract No. HY/2013/12 have undergone the 24-month establishment period monitoring as required in the Environmental Monitoring and Audit ("EM&A") Manual which the monitoring was ended on 31 May 2022.

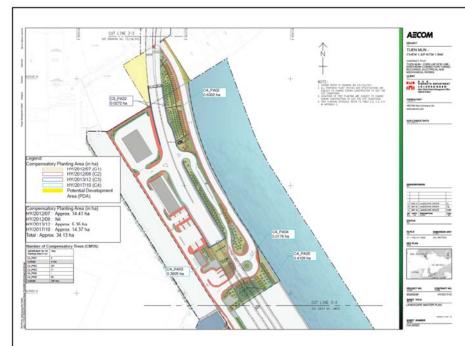
The proposed road enhancement works at the Lung Fu Road Roundabout will commence after 31 May 2022. The landscape amendment works proposed by LCSD will be carried out during their routine maintenance of vegetation, after the fully completed monitoring of the planting works required under the EM&A Manual. Therefore, the associated planting works due to the road enhancement works at the Lung Fu Road Roundabout and due to LCSD's proposed landscape amendments would not be subject to the monitoring tasks under the EM&A Manual.

(i) The surrounding planters of the Lung Fu Road Roundabout would be modified, resulting in minor rearrangement of trees within the planters.





Page 3 of 5



## Appendix I

Planter Area C3\_PA21 (median of Lung Mun Road): 11 nos. *Melaleuca cajuputis subsp. cumingiana* 白千層 and 12 nos. *Garcinia subelliptica* 福木 proposed to be changed to *Phoenix roebelenii* 日本葵.

Planter Area C3\_PA22 (raised planter against abutment wall): Proposed to retain shrub planting *Lantana montevidensis* 小葉馬纓丹 and to remove shrub planting *Chrysalidocarpus lutescens* 散尾葵.

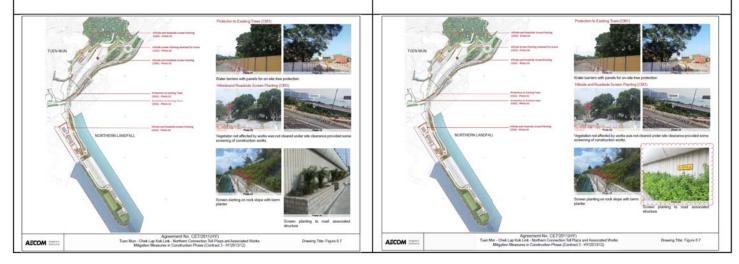
The total quantity of trees remains unchanged.



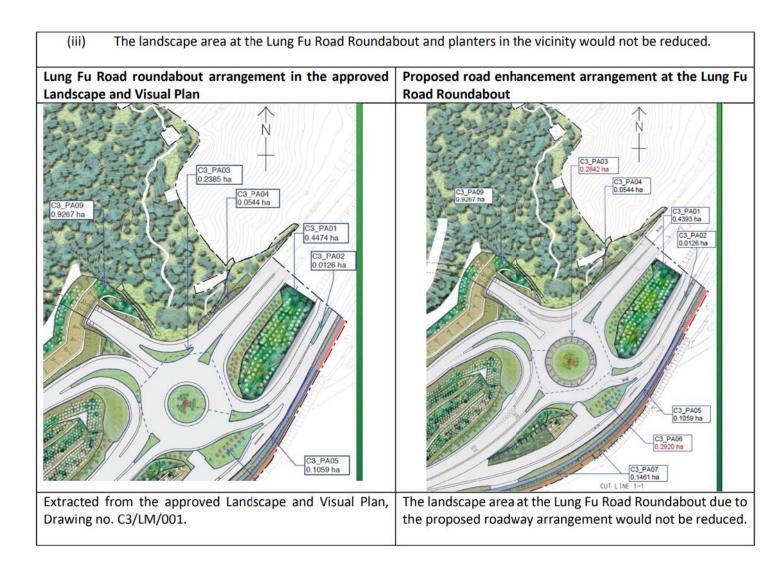
Extracted from the approved Landscape and Visual Plan, Drawing no. Figure 4.2.



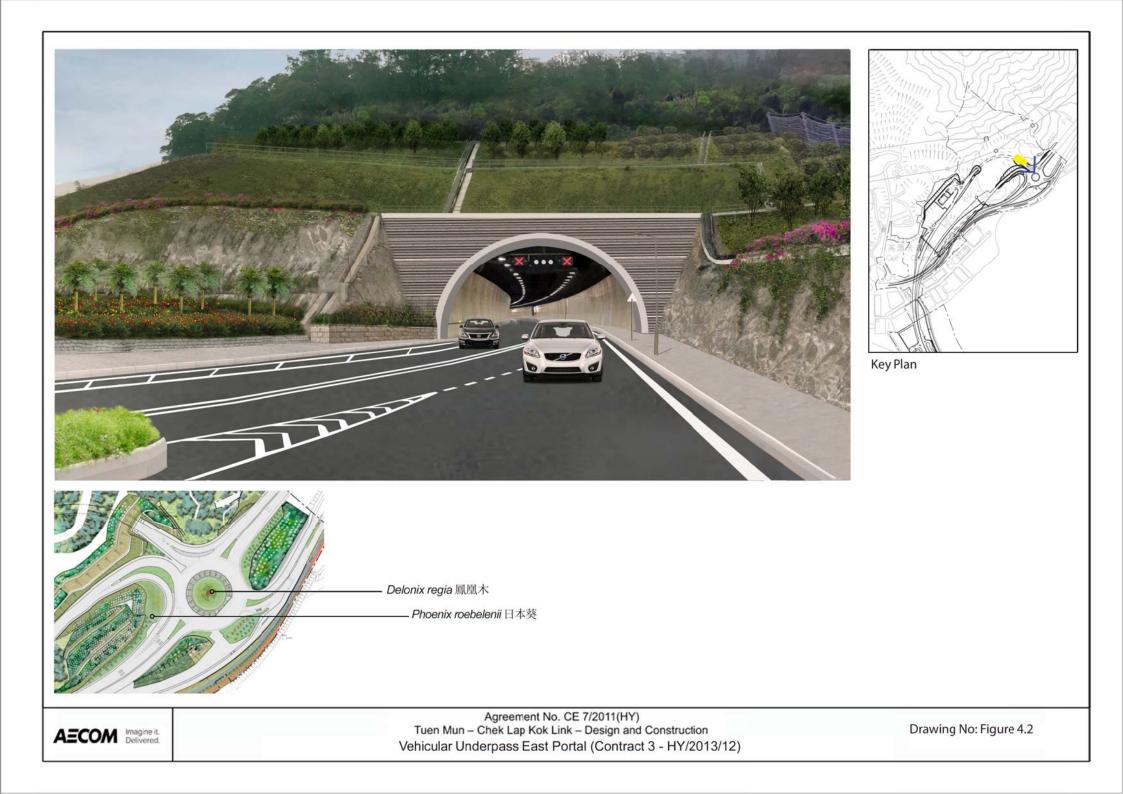
The species of tree planting within the surrounding planters are proposed to be changed to smaller size species. The quantity of tree planting remains unchanged.

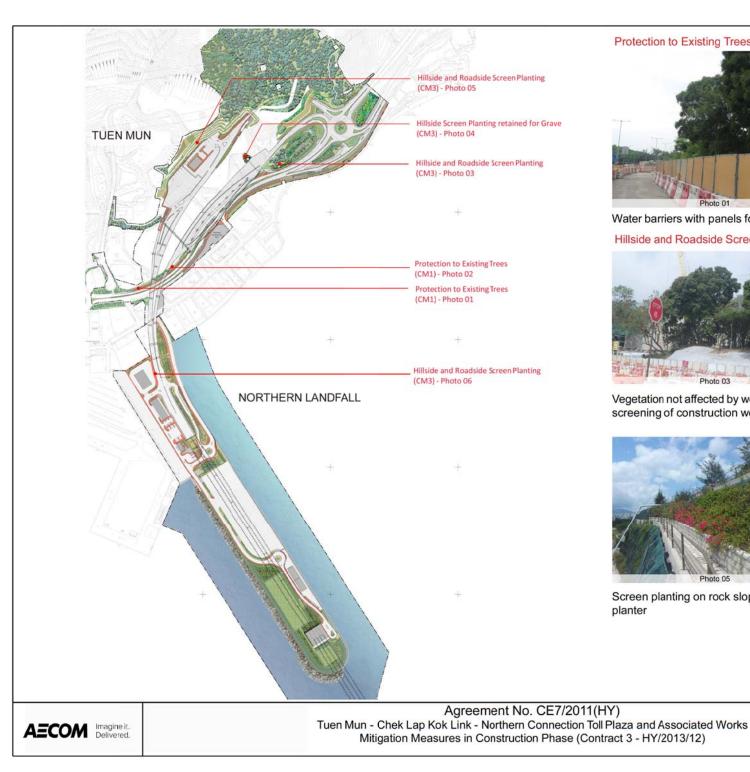


	Appendix I
Extracted from the approved Landscape and Visual Plan, Drawing no. Figure 8.7.	Planter Area C3_PA22 (raised planter against abutment wall in Photo 06): Proposed to retain shrub planting Lantana montevidensis 小葉馬纓丹 and to remove shrub planting Chrysalidocarpus lutescens 散尾葵.









#### Protection to Existing Trees (CM1)



Water barriers with panels for on-site tree protection

## Hillside and Roadside Screen Planting (CM3)





Vegetation not affected by works was not cleared under site clearance provided some screening of construction works.





Screen planting on rock slope with berm planter



Screen planting to road associated structure

Drawing Title: Figure 8.7

#### Table E.1 Tuen Mun - Chek Lap Kok Link (TM-CLKL) Summary of Tree Felling & Tree Compensation Quantity

		Tre	Tree Quantity as in EIA Report (Approx. no.)			Tree C	Tree Quantity as in Tree Removal Applications (no.)					ee Remova	nsation Qua l Applicatio 110)		*** Tree Planting Quantity as in Approved Planting Proposals (no.)				Transplanted Tree Planting Quantity as in Approved Planting Proposals/ as in Landscape and Visual Plan (no.)	
		* Fell	Undersirable Species (Weed Tree)	•••• Transplant	Retain	** Tree Compen- sation	* Fell (Living Tree)	Dead Tree	Undersirable Species (Weed Tree)	•••• Transplant	Retain	Heavy Standard	Standard	Light Standard	Whip	Heavy Standard	Standard	Light Standard	Whip	Transplant
EIA Report (Year	2009)	3460	480	100	1360	6300	-	-		-	-	-	-	-	-		÷	-	÷	-
	oplication and Compensatory Planting Proposal (Ref. ed on 8 January 2013)		•			-	2293	701	652	182	2554	2965	0	893	0	•)	•	-	-	1.00
CI	1 - Supplementary Tree Removal Applications	÷.,					886	28	0	8	154	372	44	298	90	+	÷.,			
HV/2012/07 Re	<ol> <li>Adjustments made from the approved Tree emoval Application (Ref. A35-03) through upplementary Tree Removal Applications</li> </ol>			.*.	•	-	•	•		-76	-136	1.20	-	•	-		-	•	•	
	1 - Missing Tree Report	~		040	2	-	-169	0	0	-33	-86	-144	0	0	0	-	-	-	-	-
CI	1 - Approved Planting Proposal					-	-	-	-	-	-	-	-	-		557	25	665	143	11
HY/2012/08	2 - Supplementary Tree Removal Applications				•	-		-	•					-			•	•	•	
H1/2012/08 C	2 - Approved Planting Proposal	+	*	1991 - J.	-		-		-			1.4				+	· ·		÷	
	3 - Supplementary Tree Removal Applications			(a)		-	1688	103	341	24	40	24	(m)	207	359					
HY/2013/12 Re	3 - Adjustments made from the approved Tree emoval Application (Ref. A35-03) through upplementary Tree Removal Applications	0	2	-	2		22	-	-	-7	-705	11423	121	2	-	÷	-	2	-	
C	3 - Missing Trees on site				•	-	-217	-30	-205	-14	-261					•			•	
C	3 - Approved Planting Proposal	÷	-							-						250	1 A 1	859	411	24
HX/2017/10 C4	4 - Supplementary Tree Removal Applications			<u></u>		~		-	-	-	-	(A)	1.4			-	-	-		
C4	4 - Supplementary Tree Removal Applications 4 - Approved Planting Proposal							•						•		2997	•	•		
HY/2014/10 CS	5 - Supplementary Tree Removal Applications 5 - Approved Planting Proposal		-		•		•			÷.					-					•
CS						-			-	-	+									
	Sub-Total	3460	480	100	1360	6300	4482	802	788	84	1560	3217	44	1398	449	3804	25	1524	554	35
1 C.	Total	* 3460	480	**** 100	1360	** 6300	*4482	802	788	**** 84	1560		** 5	5108	1			5907		**** 35

#### Notes:

1. \* The tree felling quantity stated in the EIA report and in the Tree Removal Applications varied. The quantity in the EIA report was estimated in an early design stage of the Project and with the development of the Project design, either civil, site formation or slope designs, the trees required to be felled for the construction of works became more accurate. In addition, the trees in Year 2009 were likely to have grown to sizes that require the process of tree removal application which also contributed to the variation in the tree felling quantity.

2. \*\* The tree compensation quantity stated in the EIA report and in the Tree Removal Applications varied. Mitigation Measure 'CM10' in Table 10.9 of the EIA report: "Compensatory tree planting shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensentatory trees shall be determined and agreed separately with Government during the Tree Felling Application process...", The required number for Tree Compensation as listed in "Tree Compensation Quantity as in Tree Removal Applications" was agreed with the relevant Government departments through the applications "Tree Preservation and tree species were subsequently agreed with the relevant Government departments through the applications are rely design stage of the Project and with the development of the Project design, either civil, site formation or slope designs, the tree compensation quantity and quality as appropriate for the different environmental conditions of the site and the **Design Considerations** as listed in **2** were agreed with the relevant Governments.

3. \*\*\* Through the detailed planting design proposals, the quantity of tree planting exceeds the required tree compensation quantity in the Tree Removal Applications.

4. \*\*\*\* The possible change of condition of the trees to be transplanted and the development of the Project design contributed to the variation in the transplant tree quantity in the EIA and in the Landscape and Visual Plan. Missing transplant trees, 47 nos., were recorded from the initial tree surveys before works commenced. In Contract No. HY/2012/07, 18 nos. transplant trees could be retained on site instead of transplanting.

5. \*\*\*\*\* The quantity of trees to be retained in the EIA report and in the Tree Removal Applications varied. The quantity in the EIA report was estimated in an early design stage of the Project and with the development of the Project design, either civil, site formation or slope designs, and the possible change of condition of the trees, the retained tree quantity became more accurate in the Tree Removal Applications.

6. To satisfy the tree compensation requirement, the higher quantity from the approved EIA report was used, i.e. 6,300 nos. instead of 5108 nos. from the tree removal applications. In order to meet 6,300 nos., compensatory tree planting cutside the project boundary is necessary. Information on tree planting outside the project boundary is described in **Section 3.3** and in **Appendix E.3**.

#### Summary of Tree Compensation - Approved EIA Report and Landscape and Visual Plan Comparison (Table E.1i)

Description	Approved EIA Report (nos.)		nd Visual Plan .)
Nos. of Compensatory Tree	6,300 approx. (Tree Size: Light Standard,	Within Project Boundary	Outside Project Boundary
Planting	Heavy Standard)	5,353	1,040
Total	6,300		393 Jard - Heavy Standard)

#### Summary of Tree Transplant - Approved EIA Report and Landscape and Visual Plan Comparison (Table E.1ii)

Description	Approved EIA Report (nos.)		nd Visual Plan os.)	Remarks
		Within Project Boundary	Outside Project Boundary	47 nos. transplant trees surveyed as missing on site;
Nos. of Tree Transplant	100	35	0	18 nos. transplant trees retained on site in Contract No. HY/2012/07; 35 nos. actual transplant trees.
Total	100	3	5	100

#### Table E.3 Tuen Mun - Chek Lap Kok Link - Northern Connection Toll Plaza and Associated Works Contract No. HY/2013/12 (Contract 3) Tree Planting Schedule

BOTANICAL NAME	CHINESE	SIZE (mm)	SPACING	QUANTITY							I	DENTIF	ICATIO	n no. f	OR PL	ANTING	G AREA		NTRAC	ТЗ						
	NAME	HEIGHT (H) X SPREAD (S)	(mm)	(nos.)	PA01	PA02	PA03	PA04	PA05	PA06	PA07	PA08	PA09	PA10	PA11	PA12	PA13	PA14	PA15	PA16	PA17	PA18	PA19	PA20	PA21	PA2
WHIP																										
Bauhinia variegata	宮粉羊蹄甲	WHIP	1000	52	-	-	-	-	-	-	-	-	-	52	-	-	-	- 1	•	-	-	-	-	-	-	-
Bridelia tomentosa	土密樹	WHIP	1000	93	-	-	-	-	-	-	-	-	68	25	-	-	-	-	-	-	-	-	-	-	-	-
Gordonia axillaris	大頭茶	WHIP	1000	140	-	-	-	-	-	-	-	-	18	52	-	-	-	70	-	-	-	-	-	-	-	-
Litsea glutinosa	潺槁樹	WHIP	1000	38	-	-	-	-	-	-	-	-	-	38	+	-	-	-	-	-	9 - C	-	-	-	-	-
Mallotus paniculatus	白楸	WHIP	1000	38	-	-	-	-	-	-		-	-	38	-	-	-	-	-	-	-	-	-	-	-	-
Phyllanthus emblica	餘甘子	WHIP	1000	38	-	-0	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-	-
Sapium discolor	山烏桕	WHIP	1000	12	-		-	-	-	-	- )	-	-	12	-	-	-	-	-	-	-	-	(=))	-	-	- 1
			Subtotal	411	0	0	0	0	0	0	0	0	86	255	0	0	0	70	0	0	0	0	0	0	0	0
TREE (HEAVY STANDARD)								-	-	-																-
Bauhinia variegata	宮粉羊蹄甲	HEAVY STANDARD	4000-4500	41	41	2	-		-	-		-	-			-	-	-		-	-	-	-	-	2	-
Bombax ceiba	木棉	HEAVY STANDARD	4500-5000	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brachychiton acerifolius	槭葉蘋婆	HEAVY STANDARD	4500-5000	36	-	-	-	-	-	-		-	-		-	-	18	-		-	-	-	-	-	1	-
Cinnamomum burmannii	陰香	HEAVY STANDARD	4500-5000	23	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sterculia lanceolata	假蘋婆	HEAVY STANDARD	4500-5000	10	10	-	-	-	×.	-	-	~	×.	-		-		-	-	2	-	-	-	× .	~	-
Delonix regia	風風木	HEAVY STANDARD	N/A	1	-	-	1		-	-			-	-		-	-	-	-	-	-	-	-	-	-	-
Melaleuca cajuputi subsp. cumingiana	白千層	HEAVY STANDARD	4000	32			-		-				-	-		-	-	-		-	-	16	-	16	-	-
Tabebuia chrusantha	黃花風鈴木	HEAVY STANDARD	4500-5000	4			-											4			-	-	-	-		
Tabebuia impetiginosa	風鈴木	HEAVY STANDARD	4500-5000	13	3		-		-	10			-	-							-		-		-	
Terminalia mantaly	小葉欖仁	HEAVY STANDARD	4500-5000	8							8										-			-		1
reminana manary	1.1.5HE (36 Las	ILLAVI GIANDARD	Subtotal	166	03	0	1	0	0	10	8	0	0	0	0	0	18	4	0	0	0	16	0	16	0	0
TREE (LIGHT STANDARD)	-		oubtotal	100	50			ľ.	Ŭ.	10	0	ľ	•	•	ľ		10	-	l.	U.S.	U.S.	10	ľ.	10		ľ
Bauhinia variegata	宮粉羊蹄甲	LIGHT STANDARD	3000	225						9	1	-	34	180		1		-					3	+		<u>t</u>
Bridelia tomentosa	土密樹	LIGHT STANDARD	3000	81	-	-	-	-	-	0	-	-	15	46	1.	-	-	-	-	-	-	-	20	-	-	-
Bombax ceiba	木棉	LIGHT STANDARD	3000	32			-		-	-		· ·	15	32		-		-			-	-	20			-
	陰香	LIGHT STANDARD	3000	51		-	-		-	-		-	-	43	-	-	-	-		-	-		-	-	-	-
Cinnamomum burmannii	楓香	LIGHT STANDARD	3000	32			-		-	-		-		32	2		-		-	-	-	-	0	-	•	-
Liquidambar formosana				the second s		-	-		~	-		-	-	32		-	-	-	-	-	-	-	-	-	-	-
Litsea glutinosa	漏樯樹	LIGHT STANDARD	3000	19		-	-		-	-		•	19	-		-	-	-	•	-	-	-	•	-	-	-
Machilus chekiangensis	浙江潤腩	LIGHT STANDARD	3000	61	-	-	•	-	-	-			17	44		-	-		•	-	-	-	-	-	-	-
Reevesia thyrsoidea	梭羅樹	LIGHT STANDARD	3000	36	•		-		-	4	•		1	25	-	-	•	•	•	•	-	-	•	-	•	-
Schima superba	木荷(荷樹)	LIGHT STANDARD	3000	32	-	-	-	-	-	-	•	-	-	32		-	-	-		-	-	-	-	-	-	-
Sterculia lanceolata	假蘋婆	LIGHT STANDARD	3000	53	-	-	-	-	-	-		-	6	30	3	-	-			-	-	-	14	-	-	-
Viburnum odoratissimum	珊瑚樹	LIGHT STANDARD	3000	74	-	-	-	-	-	-		-	16	58	-	-	-	-	-	-	-		-	-	-	-
Garcinia subelliptica	福木	LIGHT STANDARD	3000	14	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7	-	-	4	-	-	<u>.</u>	-
			Subtotal	710	0	0	0	0	0	12	0	0	114	522	5	0	0	3	7	0	0	4	43	0	0	0
PALM													-								-					
1 12 12 12 12 12 12 12 12 12 12 12 12 12	ana ana	HEAVY STANDARD	0.000	1213																						
Archontophoenix alexandrae	假檳榔	3500(H) X 1500(S)	4000	58		-	-	-		-	58	-	-	-	-	-			-	-	*	-	-	-	-	-
		LIGHT STANDARD		all a														1				1				
Livistona chinensis	浦葵	2000(H) X 1500(S)	2500	10	•	-	-	-	-	10		-	-	-	-	-	-		-	-	•	-	-	-	-	-
		LIGHT STANDARD									1											1.1				1.0
Phoenix roebelenii	日本葵	2000(H) X 1500(S)	2500-3000	139	34	-	18	-	-	-		-	10	42	-	12	-	-	•	-	-	-	-	-	23	-
a data da mana a su a	CONTRACTOR DATE:	HEAVY STANDARD	0.000															1000								
Wodyetia bifurcata	狐尾椰子	2500(H) X 1500(S)	3500	26	-	-	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-
			Subtotal		34	0	18	0	0	10	58	0	10	42	0	12	0	26	0	10 L	0	0	0	0	23	0
			<b>Contract 3 Total</b>	1520	127	0	19	0	0	32	66	0	210	819	5	12	18	103	7	0	0	20	43	16	23	0

NOTE:

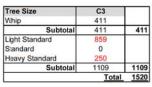
1. All proposed plant species and specifications are subject to change to suit the site conditions.

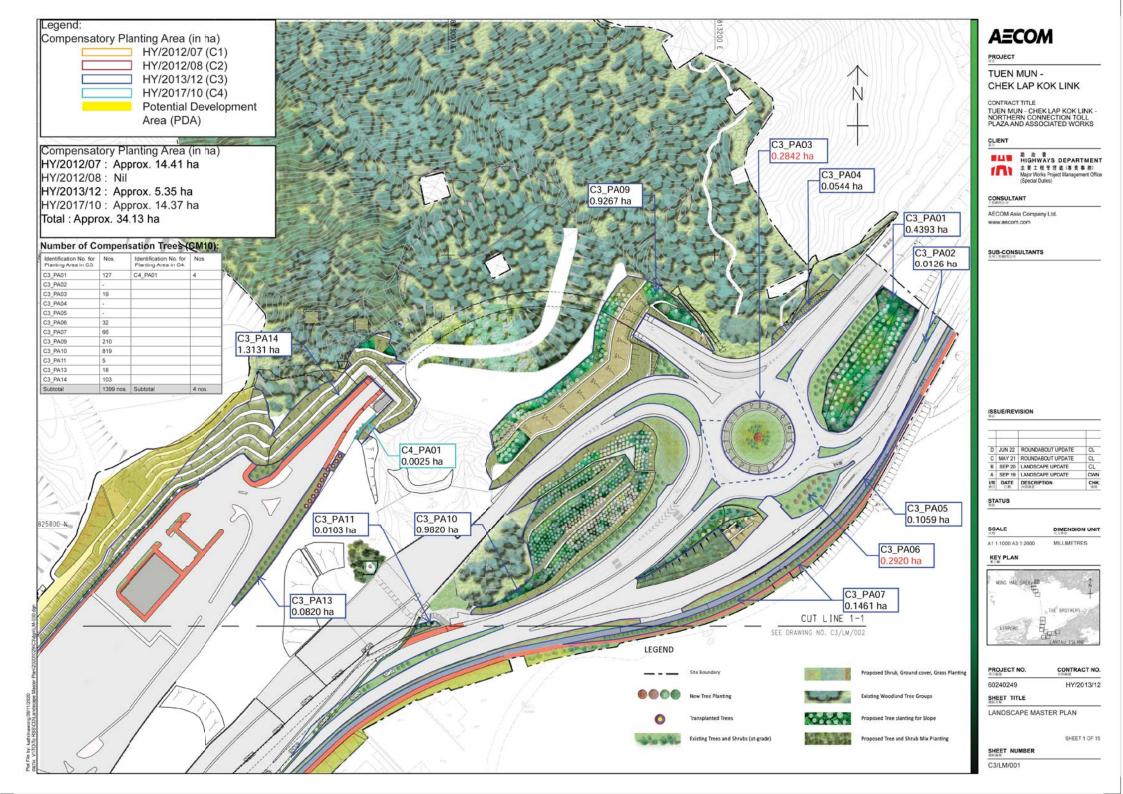
2. Locations of tree planting area subject to change to suit the site conditions.

3. The standards of trees follow General Specification for Civil Engineering Works Clause 3.11-3.16; the sizes are also subject to the special feature according to species.

4. The palms are accounted as heavy or light standard trees according to species and sizes for tree compensation accounting purpose.

5. Refer to drawing nos. C3/LM/001, C3/LM/002 in Appendix D for the locations of planting area in Contract 3.





# Appendix G

# **Tree Planting Summary for TMCLK Project**

## **Slope Planting**

CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
WHIP				
BRI,TOM,	Bridelia tomentoso *	土蜜樹	WHIP	1500-2000
GOR.AXI.	Gordonia axillaris *	大頭茶	WHIP	1500-2000
LIT.GLU.	Litsea glutinosa *	潺槁樹	WHIP	1500-2000
PHY.EMB.	Phyllanthus emblica *	餘甘子	WHIP	1500-2000
REE.THY.	Reevesia thyrsoidea *	梭羅樹	WHIP	1500-2000
TREE				
BAU.VAR.	Bauhinia variegata	宫粉羊蹄甲	LIGHT STANDARD/ STANDARD	4000
BOM.CEI.	Bombax ceiba	木棉	LIGHT STANDARD	4000-5000
BRI.TOM.	Bridelia tomentosa *	土蜜樹	LIGHT STANDARD	3000
CIN, BUR. (A)	Cinnamomum burmannii *	陰香	LIGHT STANDARD	4000
MEL.AZE.(A)	Melia azedarach	苦楝	LIGHT STANDARD	4000
PLU.RUB.	Plumeria rubra	雞蛋花	HEAVY STANDARD 2000 (H) X 2000 (S)	3500-4000
PALM		No.		
CAR.MIT.	Caryota mitis	短穗魚尾葵	2500(H) x 1500(S)	.2500
LIV.CHI.	Livistona chinensis	蒲葵	1500-2500(H) X 1500(S)	3500-4000
PHO.ROE.	Phoenix roebelenii	日本葵	2000(H) x 1500(S)	2000
WAS, ROB,	Washingtonia robusta	華盛頓葵	1500 - 2500(H) X 1500(S)	3500-4000
SHRUB				
CAL HAE.	Calliandra haematocephala	紅絨球	300(H) X 300(S)	1000
FIC.MIC.'GOL'	Ficus microcarpa 'Golden Leaf'	黄榕	300(H) X 300(S)	500
GAR.JAS.	Gardenia jasminoides *	白蟬	300(H) x 300(S)	500
GOR.AXI.	Gordonia axillaris *	大頭茶	500(H) X 500(S)	500
HIB.ROS.	Hibiscus roso-sinensis	大紅花	300(H) x 300(S)	1000
LIG.SIN.	Ligustrum sinense *	山指甲	300(H) x 300(S)	500
MEL.CAN.	Melastoma candidum *	野牡丹	300(H) X 300(S)	500
MEL.SAN.	Melastoma sanguineum *	毛葱	300(H) X 300(S)	500
NER.OLE.	Nerium oleander	灰竹桃	300(H) X 300(S)	1000
PIT.TOB.	Pittosporum tobira	海桐花	300(H) x 300(S)	500
PSY. ASI.	Psychotria asiatica *	九節	300(H) x 300(S)	500
RHO.SIM.	Rhododendron simsii *	紅杜鵰	300(H) x 300(S)	500
RHO.TOM.	Rhodomyrtus tomentosa *	桃金娘	300(H) X 300(S)	500
SCH.ARB.	Schefflera arboricola	八葉	300(H) x 300(S)	500
GROUNDCOV		1 2.970		
HYM.LIT.	Hymenocallis littoralis	蜘蛛蘭	300(H) X 300(S)	300
CLIMBER				
EPLAUR.	Epipremnum aureum	維羅	MIN. 4 SHOOTS PER PLANT, 300mm LONG	500
FIC.PUM.	Ficus pumila *	薜荔	MIN. 3 SHOOTS PER PLANT, 300- 1000mm LONG	300
LON.JAP.	Lonicera japonica *	金銀花	MIN. 4 SHOOTS PER PLANT, 600mm LONG	500
PAR.DAL.	Parthenocissus dalzielii	爬墙虎	MIN. 3 SHOOTS PER PLANT, 600- 1000mm LONG	300/500
HYDROSEEDI				
+	HYDROSEEDING	噴草	5	

#### 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. SIZE OF TREES SHALL REFER TO THE GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, 2006 EDITION

4. GRASS SEED AS GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, 2005 EDITION, CLAUSE 3.25(3).

5. \* SPECIES NATIVE TO HONG KONG ACCORDING TO THE HONG KONG HERBARIUM WEBSITE.

6. + PLANT SPECIES INCLUDED IN THE ENTRUSTED LANDSCAPE WORKS TO CONTRACT NO. DC/2016/01.

## **Roadside Planting**

CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
TREE				
BAU.BLA.	Bauhinia x blakeana * +	洋紫荊	HEAVY STANDARD	5000
BAU.VAR.	Bauhinia voriegata	宫粉羊蹄甲	LIGHT STANDARD/ STANDARD/ HEAVY STANDARD	4000 - 5000
GAR.SUB.	Garcinia subelliptica +	菲島福木	LIGHT STANDARD	4000-5000
GRE.ROB.(H)	Grevillea robusta	銀棒	HEAVY STANDARD	5000
LE.ROT.	llex rotundo	鐵冬青	HEAVY STANDARD	5000
LAG.SPE.	Lagerstroemia speciosa	大花紫薇	HEAVY STANDARD	4000-4500
PLU.RUB.	Plumeria rubra	難蛋花	HEAVY STANDARD 2000(H) x 2000(S) - 2500(H) x 2500(S)	4000
TAB.IMP	Tabebuia impetiginosa	風鈴木	HEAVY STANDARD	5000
VIB.ODO.	Viburnum odoratissimum * +	珊瑚樹	HEAVY STANDARD	5000
XAN.CHR.	Xanthostemon chrysanthus +	金蒲桃	HEAVY STANDARD	5000
PALM				
ARE.CAT.	Areca catechu +	檳榔	4000(H)	4000
LIV.CHI.	Livístona chinensis	蒲葵	2500(H) x 1500(S)	3500-4000
PHO.SYL.	Phoenix sylvestris	銀海棗	2000(H) x 1500(S)	4000
SHRUB		·		
ALL.CAT.	Allamanda cathartica	軟枝黃蟬	300(H) X 300(S)	300/350
DUR.REP.	Duranta repens	假蓮翹	300(H) x 250(S)	400
COD.VAR.'AUC'	Codiaeum variegatum "Aucubaefolium" +	灑金榕	300(H) X 300(S)	300
COD.VAR.'RED'	Codiaeum variegatum 'Red'≠	湿金榕(紅色)	300(H) X 300(S)	.300
CYC.REV.	Cycas.revoluta	蘇鐵	400(H) x 500(S)	.500
DRA.REF.	Dracaena reflexa	黃金百合竹	600(H)	500
FIC.MIC.'GOL'	Ficus microcarpa 'Golden Leaf'	黃榕	300(H) X 300(S)	350/500
GAR.JAS.	Gardenia jasminoides *	百鱓	300(H) x 300(S)	.500
GOR.AXI.	Gordonia axillaris *	大頭茶	300(H) X 300(S)	350
IXO.CHI.	Ixora chinensis * +	龍船花	300(H) x 300(S)	300
LIG.SIN.	Ligustrum sinense *	山指甲	300(H) x 250(S)	400
MELCAN.	Melastoma condidum *	野牡丹	300(H) X 300(S)	350
MEL.SAN.	Melastoma sanguineum *	毛菍	300(H) X 300(S)	350
NER.OLE.	Nerium oleander	夾竹桃	400(H) x 250(S) / 300(H) X 300(S)	400/500
PIT.TOB.	Pittosporum tobira *	海桐花	300(H) x 300(S)	500
RHA.IND.	Rhaphiolepis indica * +	車輪梅	300(H) x 300(S)	300
RHO.TOM.	Rhodomyrtus tomentosa *	桃金娘	300(H) X 300(S)	350/500
SCH.ARB.	Schefflera arboricola +	八葉	300(H) x 300(S)	350/ 500
GROUNDCOVE	R			
ARA.DUR.	Arachis duranensis	金花生	100(H) x 200(S)	200
ASP.DEN.	Asparagus densiflorus 'Sprengeri' +	非洲天門冬	200(H) x 300(S)	200
нум.Lit.	Hymenocallis littoralis	蜘蛛蘭	300(H) X 300(S)	300
NEP.AUR.	Nephrolepis auriculata * +	腎蕨	250(H) x 250(S)	150
PHY.MYR.	Phyllanthus myrtifolius +	錫蘭葉下珠	300(H) x 300(S)	300
TRA.SPA.	Tradescantia spathaceo	蚌花	200(H) x 300(S)	250
WED.TRI.	Wedelia trilobata	三裂葉蟛蜞菊	200(H) x 150(S)	300
CLIMBER				
EPI.AUR.	Epipremnum aureum +	綠蘿	MIN. 4 SHOOTS PER PLANT, 300mm LONG	500/300
FIC.PUM.	Ficus pumila *	薜荔	MIN. 3 SHOOTS PER PLANT, 300- 1000mm LONG	300
PAR.DAL.	Parthenocissus dalzielii	爬牆虎	MIN. 3 SHOOTS PER PLANT, 600- 1000mm LONG	300
HYDROSEEDIN	IG / GRASS			_
	HYDROSEEDING	價草	1	1
ANO COM	LA LA DECAMPA	A CONTRACTOR OF A CONTRACTOR	Whole piece turf	
AXO.COM.	Axonopus compressus +	地毯草(大葉草)	300(L)x300(W)x50(H)	



Agreement No. CE7/2011(HY) Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section Planting Schedule (Contract 1 - HY/2012/07)

### Slope Planting

CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
WHIP				
BAU.VAR.	Bauhinia variegata	宮粉羊蹄甲	WHIP	1000
BRI.TOM.	Bridelia tomentosa *	土密樹	WHIP	1000-2000
GOR.AXI.	Gordonia axillaris *	大頭茶	WHIP	1000
LIT.GLU.	Litsea glutinosa *	潺槁木	WHIP	1000
MAL.PAN.	Mallotus paniculatus *	白楸	WHIP	1000
PHY.EMB.	Phyllanthus emblica *	餘甘子(油甘子)	WHIP	1000
SAP.DIS.	Sapium discolour *	山烏桕	WHIP	1000
TREE	La della consegue de la della della			
BAU.VAR.(L)	Bauhinia variegata	宮粉羊蹄甲	LIGHT STANDARD	3000
BAU.VAR.(H)	Bauhinia variegata	宮粉羊蹄甲	HEAVY STANDARD	4000-4500
BRI.TOM.	Bridelia tomentosa *	土密樹	LIGHT STANDARD	3000
BOM.CEI.(L)	Bombax ceiba	木棉	LIGHT STANDARD	3000
BOM.CEI.(L)	Bombax ceiba	木棉	HEAVY STANDARD	4500-5000
CIN.BUR.	Cinnamomum burmannii *	陰香	LIGHT STANDARD	3000
CIN.BUR.	Cinnamomum burmannii *		HEAVY STANDARD	4500-5000
LIQ.FOR.	Liquidambar formosana *	楓香	LIGHT STANDARD	3000
LIT.GLU.(L)	Litsea glutinosa *	漏槁木	LIGHT STANDARD	3000
MAC.CHE.	Machilus chekiangensis *		LIGHT STANDARD	3000
REE.THY.	Reevesia thyrsoidea *		LIGHT STANDARD	3000
SCH.SUP.	Reevesia thyrsoidea * Schima superba *		LIGHT STANDARD	3000
12 (14 M 14 20 20 20 20 20 20 20 20 20 20 20 20 20		木荷 (荷樹)		
STE.LAN.	Sterculia lanceolata *	假蘋婆	LIGHT STANDARD	3000
STE.LAN.	Sterculía lanceolata *	假蘋婆	HEAVY STANDARD	4500-5000
VIB.ODO.	Viburnum odoratissimum *	珊瑚樹	LIGHT STANDARD	3000
SHRUB		Thirt failer w?		500
DES.CHI.	Desmos chinensis *	假鷹爪	300(H) x 300(S)	500
ILE.ASP.	llex asprella *	梅葉冬青	300(H) x 300(S)	500
ILE.PUB.	llex pubescens *	毛冬青	300(H) x 300(S)	500
LIG.SIN.	Ligustrum sinense	山指甲	300(H) x 300(S)	350-500
MEL.CAN.	Melastoma candidum *	野牡丹	300(H) x 300(S)	350-500
MEL.SAN.	Melastoma sanguineum *	毛菍	300(H) x 300(S)	350-500
NER.OLE.	Nerium oleander	夾竹桃	300(H) x 300(S)	350
PSY.ASI.	Psychotria asiatica *	九節	300(H) x 300(S)	500
RHA.IND.	Rhaphiolepis indica *	車輪梅	300(H) x 300(S)	350-500
RHO.PUL.	Rhododendron pulchrum	紫杜鵑	300(H) x 300(S)	500
RHO.SIM.	Rhododendron símsií *	紅杜鵑	300(H) x 300(S)	500
SCH.ARB.	Schefflera arboricola	八葉木	300(H) x 300(S)	500
SCH.VAR.	Schefflera arboricola 'Variegata'	花葉八葉木	300(H) x 300(S)	500
GROUNDCOV	/ER			
NEP.AUR.	Nephrolepis auriculata *	腎蕨	300(H) x 300(S)	100-300
NEP.HIR.	Nephrolepis hirsutula *	毛葉腎蕨	300(H) x 300(S)	100-300
CLIMBER		THE REAL PROPERTY AND A DESCRIPTION OF A		
BAU.COR.	Bauhinia corymbosa	首冠藤	MIN. 5 SHOOTS PER PLANT, 600mm LONG	300-1000
BOU.SPE.	Bougainvillea spectabilis	簕杜鵑	MIN. 5 SHOOTS PER PLANT, 600mm LONG	300-500
FIC.PUM.	Ficus pumila *	薜荔	MIN. 3 SHOOTS PER PLANT, 1000mm LONG	300
LON.JAP.	Lonicera japonica *	忍冬(金銀花)	MIN. 5 SHOOTS PER PLANT, 600mm LONG	300-1000
PAR.DAL.	Parthenocissus dalzielii	爬墙虎	MIN. 3 SHOOTS PER PLANT, 1000mm LONG	300-1000
WED.TRI.	Wedelia trilobata	三裂葉蟛蜞菊	MIN. 5 SHOOTS PER PLANT, 600mm LONG	300

## **Roadside Planting**

CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
TREE				
BRA.ACE.	Brachychiton acerifolius	槭葉蘋婆	HEAVY STANDARD	4500-5000
DEL.REG.	Delonix regia	鳳凰木	HEAVY STANDARD	N/A
GAR.SUB.	Garcinia subelliptica	菲島福木(福木)	LIGHT STANDARD	3000
MEL.CUM.	Melaleuca cajuputi subsp. cumingiana	白千層	HEAVY STANDARD	4000
STE.LAN.	Sterculia lanceolata *	假蘋婆	HEAVY STANDARD	5000
TAB.CHR.	Tabebuia chrysantha	黃花風鈴木	HEAVY STANDARD	5000
TAB.IMP.	Tabebuia impetiginosa	風鈴木	HEAVY STANDARD	5000
TER.MAN.	Terminalia mantaly	小葉欖仁	HEAVY STANDARD	5000
PALM				
ARC.ALE.	Archontophoenix alexandrae	假檳榔	3500(H) x 1500(S)	4000
CHR.LHT.	Chrysalidocarpus lutescens	散尾葵	1500(H)	2000
LIV.CHI.	Livistona chinensis	蒲葵	2000(H) x 1500(S)	2500
PHO.ROE.	Phoenix roebelenii	日本葵	2000(H) x 1500(S)	2500-3000
WOD.BIF.	Wodyetia bifurcata	狐尾椰子	2500(H) x 1500(S)	3500
SHRUB				
DUR.GOL.	Duranta repens 'Golden'	金連翹	300(H) x 300(S)	300
IXO.CHI.	Ixora chinensis *	龍船花	300(H) x 300(S)	300
IXO.COC.	Ixora coccinea	橙紅龍船花	300(H) x 300(S)	300
IXO.LUT.	Ixora coccinea 'Lutea'	黃花龍船花	300(H) x 300(S)	300
RHA.IND.	Rhaphiolepis indica *	車輪梅	300(H) x 300(S)	300
RHO.PUL.	Rhododendron pulchrum	紫杜鵑	300(H) x 300(S)	300
RHO.SIM.	Rhododendron simsii *	紅杜鵑	300(H) x 300(S)	300
SCH.ARB.	Schefflera arboricola	八葉木	300(H) x 300(S)	300
SCH.VAR.	Schefflera arboricola 'Variegata'	斑葉鵝掌藤 (花葉八葉木)	300(H) x 300(S)	300
GROUNDCO	VER			
ARA.DUR.	Arachis duranensis	金花生	100(H) x 200(S)	200
ASP.DEN.	Asparagus densiflorus 'Myersii'	狐尾天冬	300(H) x 300(S)	250
ASP.SPR.	Asparagus densiflorus 'Sprengeri'	非洲天門冬(天冬)	100(H) x 200(S)	200
CUP.HYS.	Cuphea hyssopifolia	細葉雪茄花	250(H) x 300(S)	250-300
DIA.VAR.	Dianella tasmanica 'Variegata'	花葉山菅蘭	250(H) x 250(S)	250
LAN.FLA.	Lantana camara 'Flava'	黃花馬纓丹	200(H) x 200(S)	200
LAN.MON.	Lantana montevidensis	小葉馬纓丹	200(H) x 200(S)	200
NEP.AUR.	Nephrolepis auriculata *	腎蕨	300(H) x 300(S)	100-300
OPH.JAP.	Ophiopogon japonicus *	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. SIZE OF TREES SHALL REFER TO THE GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, 2006 EDITION.

4. GRASS SEED AS GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, CLAUSE 3.26(3).

5. \* SPECIES NATIVE TO HONG KONG ACCORDING TO THE HONG KONG HERBARIUM WEBSITE.



Agreement No. CE7/2011(HY) Tuen Mun - Chek Lap Kok Link - Northern Connection Toll Plaza and Associated Works Planting Schedule (Contract 3 - HY/2013/12) NING WORKS, 2006 EDITION. E 3.26(3). WEBSITE.

### Northern Landfall - Roadside Planting

CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
TREE				
BAU.BLA	Bauhinia x blakeana *	洋紫荊	HEAVY STANDARD	4500-5000
BAU.VAR	Bauhinia variegata	宮粉羊蹄甲	HEAVY STANDARD	4500-5000
ELA.API	Elaeocarpus apiculatus	尖葉杜英	HEAVY STANDARD	6000
ELA.HAI	Elaeocarpus hainanensis	水石榕	HEAVY STANDARD	5000
GAR.SUB	Garcinia subelliptica	菲島福木	HEAVY STANDARD	3500-4000
GRE.ROB	Grevillea robusta	銀樺	HEAVY STANDARD	4500-5000
MEL.QUI	Melaleuca quinquenervia	白千層	HEAVY STANDARD	4500-5000
PLU.MUL	Plumeria rubra (multi-colour flower)	雞蛋花(多色花)	HEAVY STANDARD 2000(H) x 2000(S) - 2500(H) x 2500(S)	4000-4500
PLU.RUB	Plumeria rubra (red flower)	雞蛋花(紅花)	HEAVY STANDARD 2000(H) x 2000(S) - 2500(H) x 2500(S)	4000-4500
PLU.RUB(Y)	Plumeria rubra (yellow flower)	雞蛋花(黄花)	HEAVY STANDARD 2000(H) x 2000(S) - 2500(H) x 2500(S)	4000-4500
PON.PIN	Pongamia pinnata *	水黃皮	HEAVY STANDARD	5000-6000
STE.LAN	Sterculia lanceolata *	假蘋婆	HEAVY STANDARD	4500-5000
TER.CAT	Terminalia catappa	欖仁樹	HEAVY STANDARD	5000-7000
VIB.ODO	Viburnum odoratissimum *	珊瑚樹	HEAVY STANDARD	4500-5000
XAN.CHR	Xanthostemon chrysanthus	金蒲桃	HEAVY STANDARD	5000
PALM				
ARE.CAT	Areca catechu	檳榔	3000(H) x 1500(S)	4000
HYO.LAG	Hyophorbe lagenicaulis	酒瓶椰子	2000(H) x 1500(S)	3000
LIV.CHI	Livistona chinensis	蒲葵	3000(H) x 2000(S)	4000-4500
ROY.REG	Roystonea regia	王棕	4000(H) x 2000(S)	4500-5000
WOD.BIF	Wodyetia bifurcata	狐尾椰子	3000(H) x 1500(S)	4500
SHRUB				
СМІ	Carmona microphylla	福建茶	300(H) x 300(S)	300
CRE	Cycas revoluta	蘇鐵	500(H) x 600(S)	N/A
DLU	Dypsis lutescens	散尾葵	2000(H) x 2000(S)	2000
IKA	Juniperus chinensis 'Kaizuca'	龍柏球	600(H) x 600(S)	N/A
ICH	Ixora chinensis *	龍船花	300(H) x 300(S)	300
ICO	Ixora coccinea	橙紅龍船花	300(H) x 300(S)	300
ILU	Ixora coccinea 'Lutea'	黃花龍船花	400(H) x 300(S)	300
IST	Ixora stricta	細葉龍船花	250(H) x 250(S)	250
IWE	Ixora westii	粉紅龍船花	400(H) x 300(S)	300
PTO	Pittosporum tobira	海桐	300(H) x 300(S)	350
PMA	Podocarpus macrophyllus *	羅漢松	600(H) x 500(S)	N/A
PAX	Polyspora axillaris *	大頭茶	300(H) x 300(S)	350
RIN	Rhaphiolepis indica *	車輪梅	300(H) x 300(S)	300-350
RPU	Rhododendron pulchrum	錦繡杜鵑	300(H) x 300(S)	350
RSI	Rhododendron simsii *	紅杜鵑	250(H) x 250(S)	350
RTO	Rhodomyrtus tomentosa *	桃金娘	300(H) x 300(S)	350
STA	Scaevola taccada *	草海桐	300(H) x 300(S)	350
SDA	Schefflera arboricola 'Dazzle'	黃金八葉	300(H) x 300(S)	350
SVA	Schefflera arboricola 'Variegata'	斑葉鵝掌藤 (花葉八葉木)	300(H) x 300(S)	300-350

CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
GROUNDCO	VER			
ADU	Arachis duranensis	蔓花生 (金花生)	100(H) x 200(S)	200
АМҮ	Asparagus densiflorus 'Myersii'	狐尾天冬	300(H) x 300(S)	300
ASP	Asparagus densiflorus 'Sprengeri'	非洲天門冬	100(H) x 200(S)	200
СНҮ	Cuphea hyssopifolia	細葉萼距花	200(H) x 250(S)	250
CRO	Catharanthus roseus	長春花	200(H) x 200(S)	200
LFL	Lantana camara 'Flava'	黃花馬纓丹	200(H) x 200(S)	200
LMO	Lantana montevidensis	小葉馬纓丹	200(H) x 200(S)	200
NAU	Nephrolepis auriculata *	腎蕨	250(H) x 250(S)	200
WTR	Wedelia trilobata	三裂葉蟛蜞菊	150(H) x 200(S)	200
CLIMBER				
всо	Bauhinia corymbosa	首冠藤	MIN. 4 SHOOTS PER PLANT, 600mm LONG	300-500
QIN	Quisqualis indica	使君子	MIN. 4 SHOOTS PER PLANT, 600mm LONG	300-500
GRASS				
ACO	Axonopus compressus	大葉草(地毯草)	Whole piece turf 300(L)x300(W)x50(H)	1-1-1-1-

#### 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. SIZE OF TREES SHALL REFER TO THE GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, 2006 EDITION.

4. GRASS SEED AS GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, CLAUSE 3.26(3).

5. \* SPECIES NATIVE TO HONG KONG ACCORDING TO THE HONG KONG HERBARIUM WEBSITE.



Agreement No. CE7/2011(HY) Tuen Mun - Chek Lap Kok Link - Northern Connection Tunnel Buildings, Electrical and Mechanical Works Planting Schedule (Contract 4 - HY/2017/10) EERING WORKS, 2006 EDITION. USE 3.26(3). JM WEBSITE.

### Southern Landfall (Contract 1 - HY/2012/07)

CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
TREE				
GRE.ROB.	Grevillea robusta	銀樺	HEAVY STANDARD	4000-5000
			HEAVY STANDARD	
PLU.RUB.	Plumeria rubra	雞蛋花(紅)	2000(H) x 2000(S) -	4000-5000
		Government print by the first of the data unit of the	2500(H) x 2500(S)	
SHRUB				
RUS.EQU.	Russelia equisetiformis	爆仗竹	300(H) x 300(S)	250
GROUNDCO	VER			
PO.PES.	Ipomoea pes-caprae *	海灘牽牛	200(H) x 200(S)	200
	Tenten a mantavidancia	小葉馬纓丹	200(11) 200(2)	250
LAN.MON.	Lantana montevidensis	(鋪地臭金鳳)	200(H) x 200(S)	250
OPH.JAP.	Ophiopogon japonicus *	麥冬(沿階草)	150(H) x 200(S)	200
SYN.POD.	Syngonium podophyllum	白蝴蝶	100(H) x 200(S)	200
ГRA.SPA.	Tradescantia spathacea	蚌花	200(H) x 300(S)	250
ZEP.ROS.	Zephyranthes rosea	玫瑰蔥蓮	100(H) x 200(S)	150
CLIMBER				
MON.DEL.	Monstera deliciosa	龜背竹	MIN. 5 SHOOTS PER PLANT,	500
			300mm LONG	500
HYDROSEED	DING / GRASS			
	HYDROSEEDING	噴草	<u> </u>	1
ZOY.JAP.	Zoysia japonica	朝鮮草	300(L)x300(W)x50(H)	N/A

## Southern Landfall (Contract 4 - HY/2017/10)

CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
TREE	·			
CV	Callistemon viminalis	串錢柳	HEAVY STANDARD	4000-5000
GR	Grevillea robusta	銀樺	HEAVY STANDARD	4000-5000
			HEAVY STANDARD	
PRR	Plumeria rubra (red flower)	雞蛋花(紅花)	2000(H) x 2000(S) -	4000-5000
			2500(H) x 2500(S)	
			HEAVY STANDARD	1000
PRY	Plumeria rubra (yellow flower)	雞蛋花(黃花)	2000(H) x 2000(S) -	4000-5000
			2500(H) x 2500(S)	
			HEAVY STANDARD	
PLU.MUL	Plumeria rubra (multi-colour flower)	雞蛋花(多色花)	2000(H) x 2000(S) -	4000-5000
			2500(H) x 2500(S)	
GROUNDCC	VER			~
IPE	Ipomoea pes-caprae *	海灘牽牛	150(H) x 200(S)	200
LMO	Lantana montevidensis	小葉馬纓丹 (鋪地臭金鳳)	200(H) x 300(S)	200
OJA	Ophiopogon japonicus *	麥冬(沿階草)	100(H) x 100(S)	100
SPO	Syngonium podophyllum	白蝴蝶	100(H) x 200(S)	200
TSP	Tradescantia spathacea 'dwarf'	矮蚌花	100(H) x 100(S)	100
WTR	Wedelia trilobata	三裂葉蟛蜞菊	150(H) x 200(S)	200
GRASS				
ZJA	Zoysia japonica	朝鮮草	300(L)x300(W)x50(H)	N/A

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. SIZE OF TREES SHALL REFER TO THE GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, 2006 EDITION.

4. GRASS SEED AS GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, CLAUSE 3.26(3).

5. \* SPECIES NATIVE TO HONG KONG ACCORDING TO THE HONG KONG HERBARIUM WEBSITE.

6. 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).

#### 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. SIZE OF TREES SHALL REFER TO THE GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, 2006 EDITION.

4. GRASS SEED AS GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, CLAUSE 3.26(3).

5. \* SPECIES NATIVE TO HONG KONG ACCORDING TO THE HONG KONG HERBARIUM WEBSITE.

6. 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).



Agreement No. CE7/2011(HY) Tuen Mun - Chek Lap Kok Link - Northern Connection Tunnel Buildings, Electrical and Mechanical Works Planting Schedule for Southern Landfall (Contract 1 – HY/2012/07 and Contract 4 – HY/2017/10)

#### Slope Planting

BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
TREE			
Bauhinia variegata	宮紛羊蹄甲	LIGHT STANDARD	4000
Bischofia javanica *	秋楓	LIGHT STANDARD	5000
Bridelia tomentosa *	土密樹	LIGHT STANDARD	3000
Cassia fistula	豬腸豆	LIGHT STANDARD	5000
Cassia javanica	節果決明	LIGHT STANDARD	5000
Castanopsis fissa *	裂斗錐栗	LIGHT STANDARD	5000-6000
Chorisia speciosa	美人樹	LIGHT STANDARD	4000
Cinnamomum camphora *	樟	LIGHT STANDARD	6000
Clerodendrum quadriloculare	煙火樹	LIGHT STANDARD	4000
Cyclobalanopsis myrsinifolia *	小葉青岡	LIGHT STANDARD	4000
Elaeocarpus balansae	大葉杜英	LIGHT STANDARD	3000
Elaeocarpus chinensis *	中華杜英	LIGHT STANDARD	3000
Elaeocarpus sylvestris *	山杜英	LIGHT STANDARD	3000
Dombeya wallichii	吊芙蓉	LIGHT STANDARD	4000
Ficus altissima	高山榕	LIGHT STANDARD	5000
		LIGHT STANDARD/ HEAVY	
Ficus microcarpa *	細葉榕	STANDARD	5000
llex rotunda var. microcarpa *	小果鐵冬青	LIGHT STANDARD	3000
lacaranda mimosifolia	藍花楹	LIGHT STANDARD	5000
Koelreuteria spp.	複羽葉欒樹	LIGHT STANDARD	4000-5000
Lagerstroemia indica	紫薇	LIGHT STANDARD	3000
Lagerstroemia speciosa	大花紫薇	LIGHT STANDARD	4000
Liquidambar formosana *	楓香	LIGHT STANDARD	5000-6000
Machilus breviflora *	短序潤楠	LIGHT STANDARD	3000
Machilus chekiangensis *	浙江潤楠	LIGHT STANDARD	3000-5000
Magnolia grandiflora	荷花玉蘭	LIGHT STANDARD	4000
Magnolia liliiflora	紫玉蘭	LIGHT STANDARD	3000
Michelia chapensis *	樂昌含笑	LIGHT STANDARD	3000-6000
Michelia maudiae *	深山含笑	LIGHT STANDARD	4000
Pandanus tectorius *	林投樹	LIGHT STANDARD	4000
Plumeria rubra	紅雞蛋花	2000mm (H) x 2000mm (S)	4000
Polyspora axillaris *	大頭茶	LIGHT STANDARD	3000
Pongamia pinnata *	水黄皮	LIGHT STANDARD	5000
Prunus incisa	富士櫻	LIGHT STANDARD	3000
Reevesia thyrsoidea *		LIGHT STANDARD	3000-4000
Reevesia thyrsolaea * Sapium discolor *	梭羅樹	LIGHT STANDARD	5000
Sapium aiscoior * Sapium sebiferum *	山烏柏	LIGHT STANDARD	3000
	烏桕	LIGHT STANDARD	3000-6000
Schefflera heptaphylla *	鵝掌柴		
Schima superba *	木荷	LIGHT STANDARD	3000-5000
Sterculia lanceolata *	假顏婆	LIGHT STANDARD	3000-4000
Syzygium hancei *	韓氏蒲桃	LIGHT STANDARD	3000-5000
Syzygium levinei *	山蒲桃	LIGHT STANDARD	3000-6000
Tabebuia chrysantha	黃金風鈴木	LIGHT STANDARD	3000-4000
Tabebuia rosea	紅花風鈴木	LIGHT STANDARD	4000
Vernicia fordii	油桐	LIGHT STANDARD	5000
Viburnum odoratissimum *	珊瑚樹	LIGHT STANDARD	3000-6000
Xanthostemon chrysanthus	金蒲桃	LIGHT STANDARD	3000
Yulania denudata	白玉蘭	LIGHT STANDARD	4000
Yulania x soulangeana	二喬木蘭	LIGHT STANDARD	4000

BOTANICAL NAME	CHINESE NAME	SIZE (mm) HEIGHT (H) X SPREAD (S)	SPACING (mm)
PALM			
Bismarckia nobilis	霸王棕	Medium Palm 3m overall height	4000
Livistona chinensis	蒲葵	Medium Palm 1.5m & 2.5m(H) trunk	2000
Ravenala madagascariensis	旅人蕉	Medium Palm 2.5m(H) overall	2000
Roystonea regia	王棕	Large Palm 3m(H) trunk	3000

#### NOTE:

1. ALL PROPOSED PLANT SPECIES AND SPECIFICATIONS ARE SUBJECT TO CHANGE DURING CONSTRUCTION TO SUIT THE SITE CONDITIONS AND MARKET AVAILABILITY.

2. SIZE OF TREES SHALL REFER TO THE GENERAL SPECIFICATION FOR CIVIL ENGINEERING WORKS, 2006 EDITION.

3.\* SPECIES NATIVE TO HONG KONG ACCORDING TO THE HONG KONG HERBARIUM WEBSITE.

AECOM Imagine II. Delivered.

Agreement No. CE7/2011(HY) Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section Planting Schedule (Contract 7 - HY/2021/13)

Appendix H

**Planting Area for the Project** 

Planting Area under Contract HY/2012/07

Contract No. HY/2012/07 (C1) Landscape Area Checking for EP Condition 2.9
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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
DSD Project: DC/2016/01 Entrusted Landscape Works	CTR	13834	0	13834
along Cheung Tung Road Sub-total (B)				13834
Sub-total (B) Total (A) + (B)				13834 144134

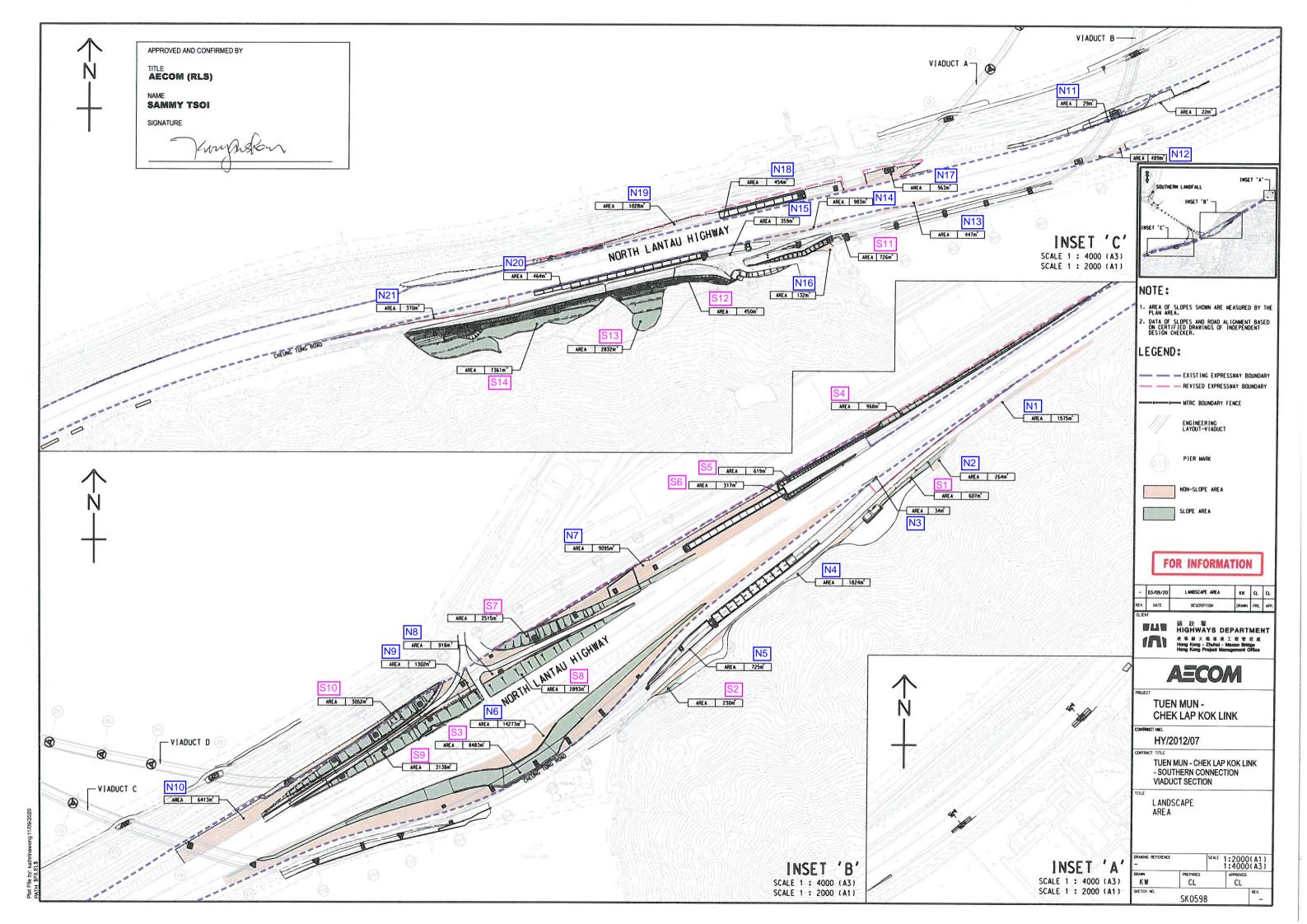
ABBREVIATIONS CTR

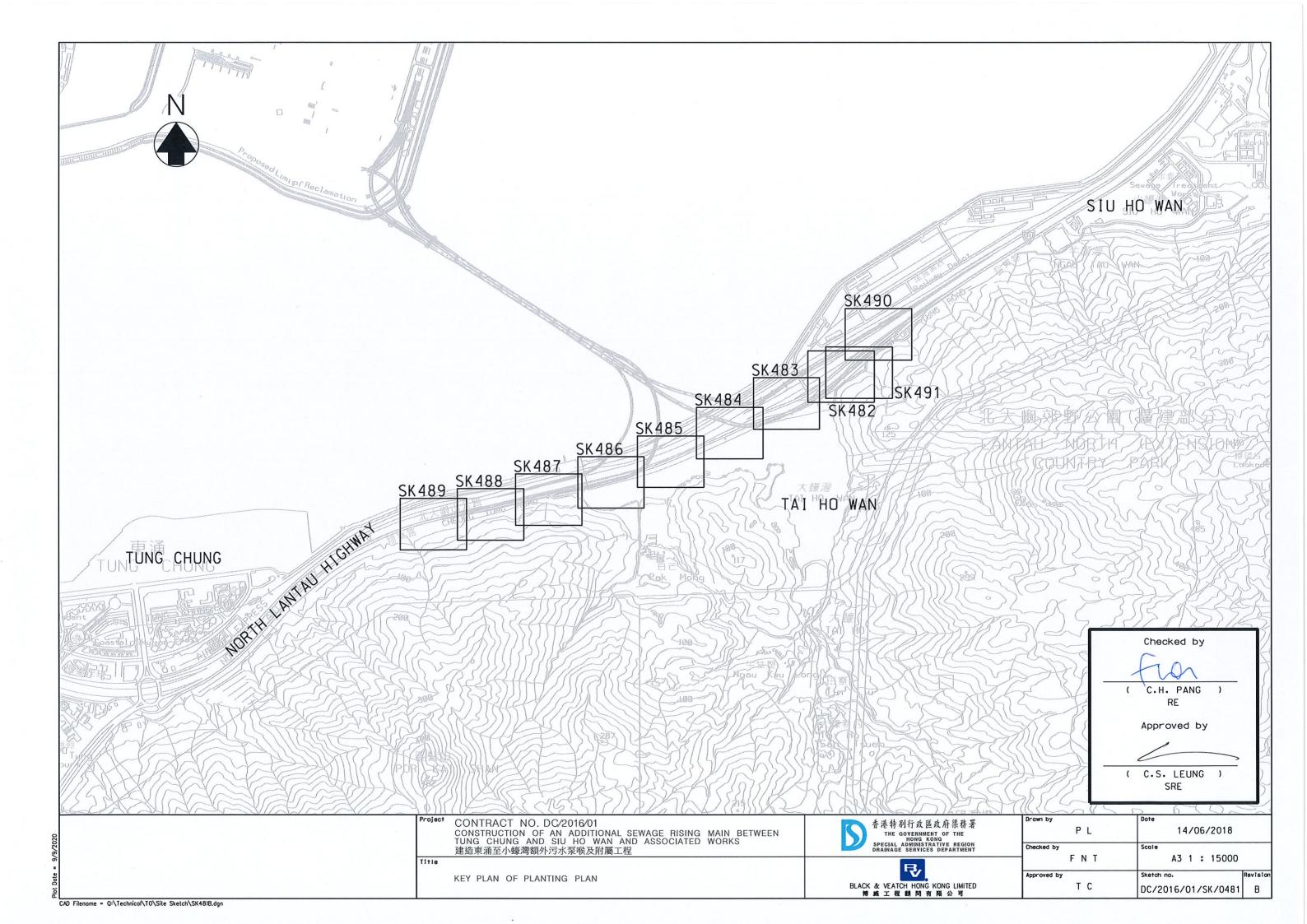
NLH

Cheung Tung Road North Lantau Highway

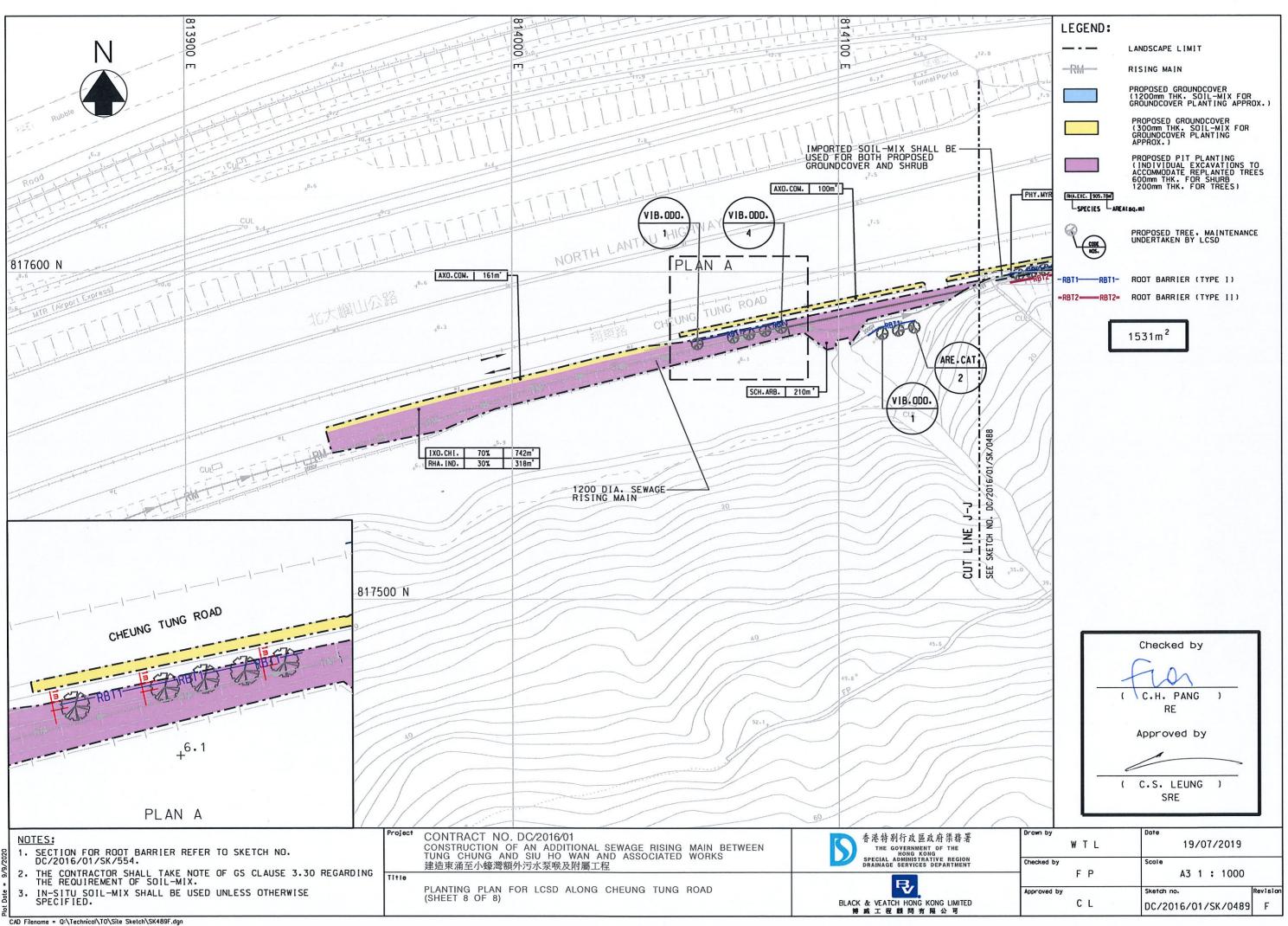


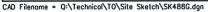
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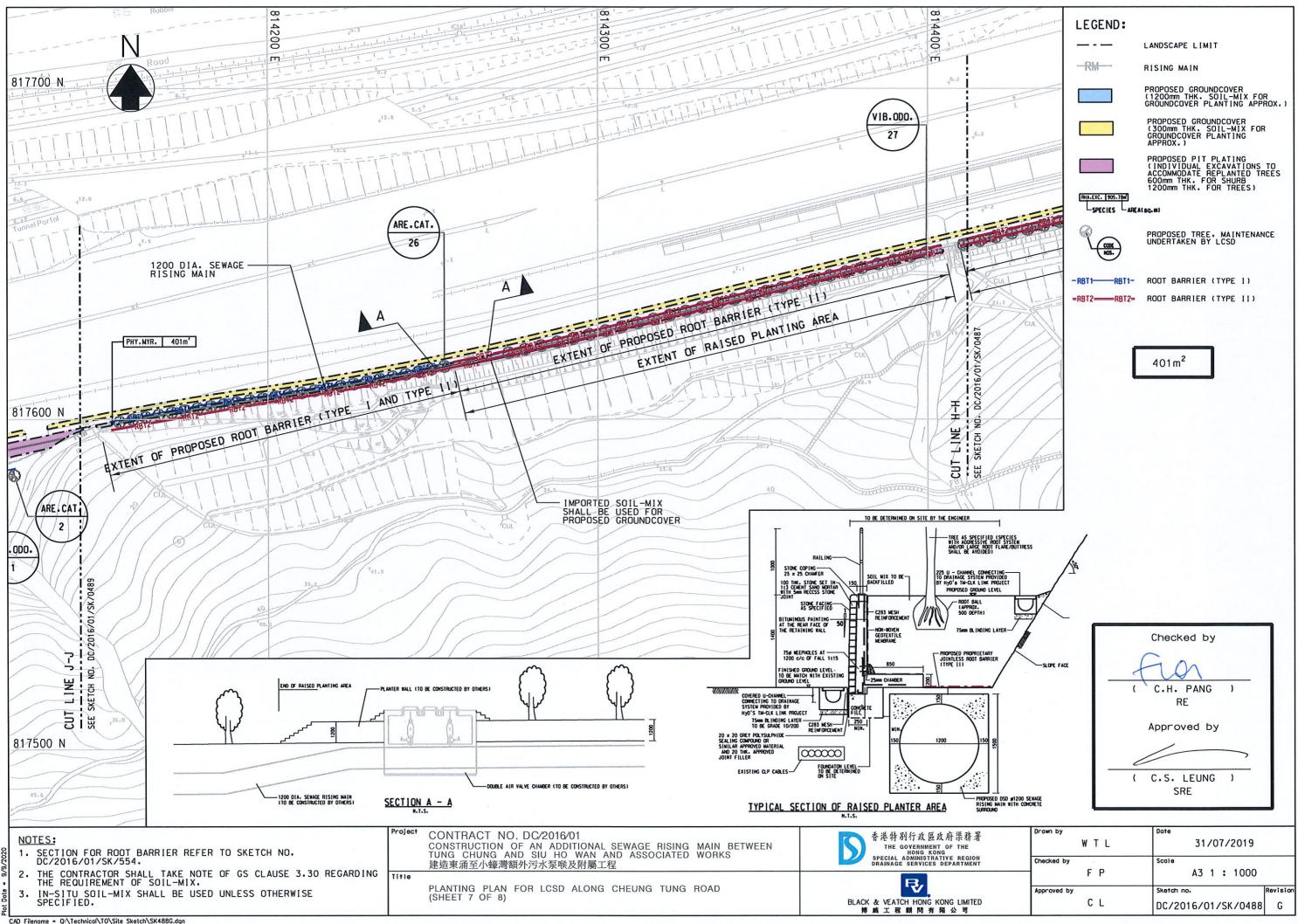


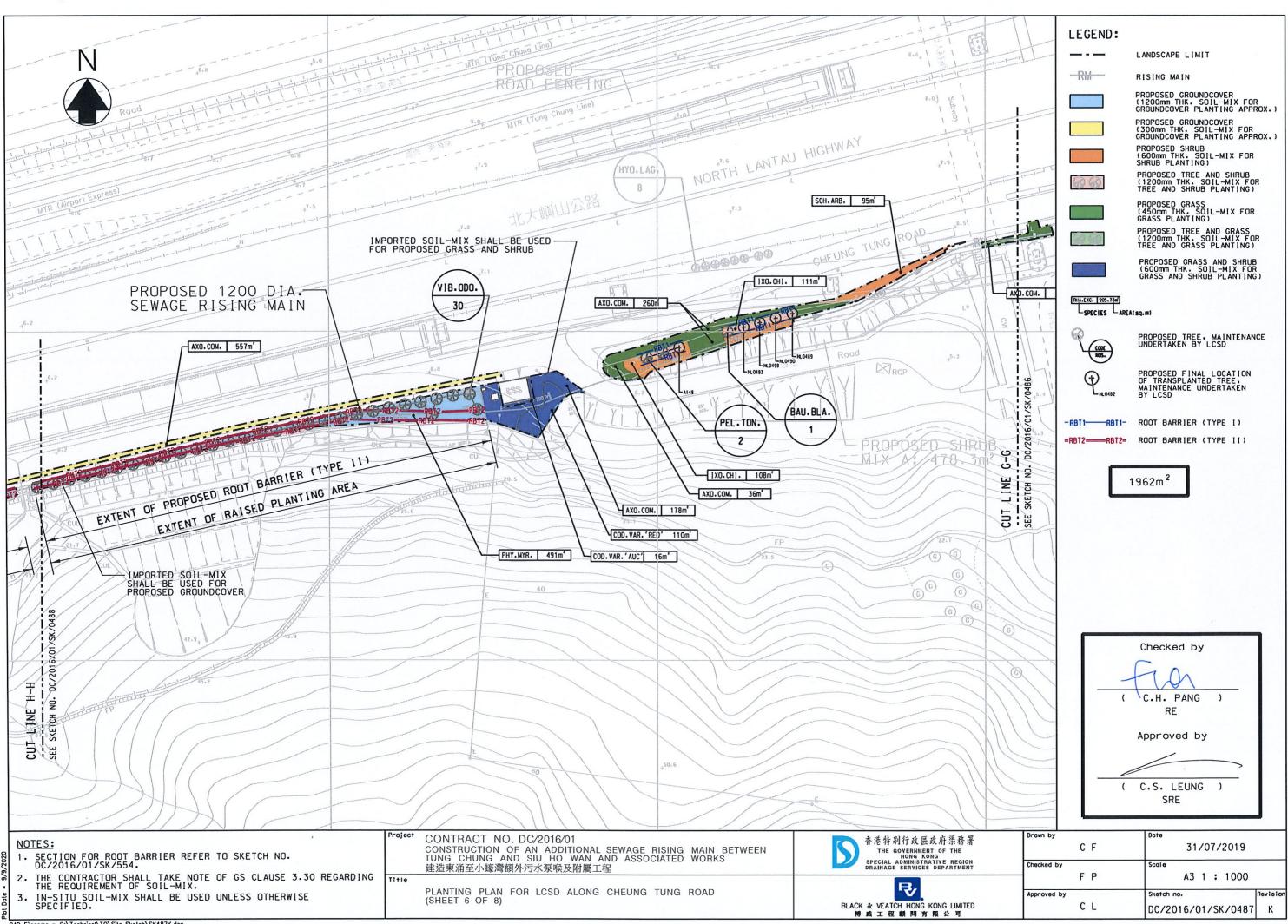




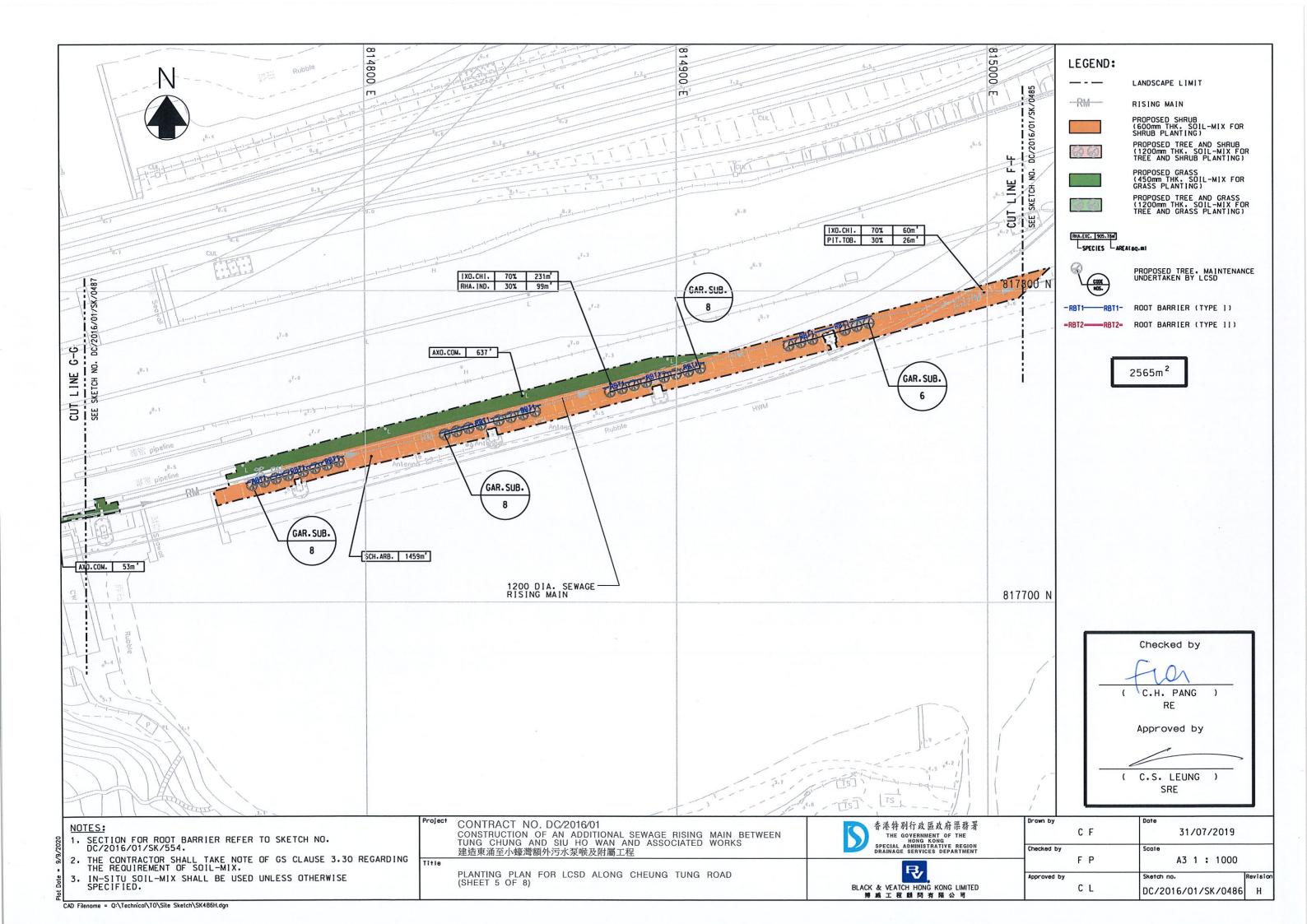


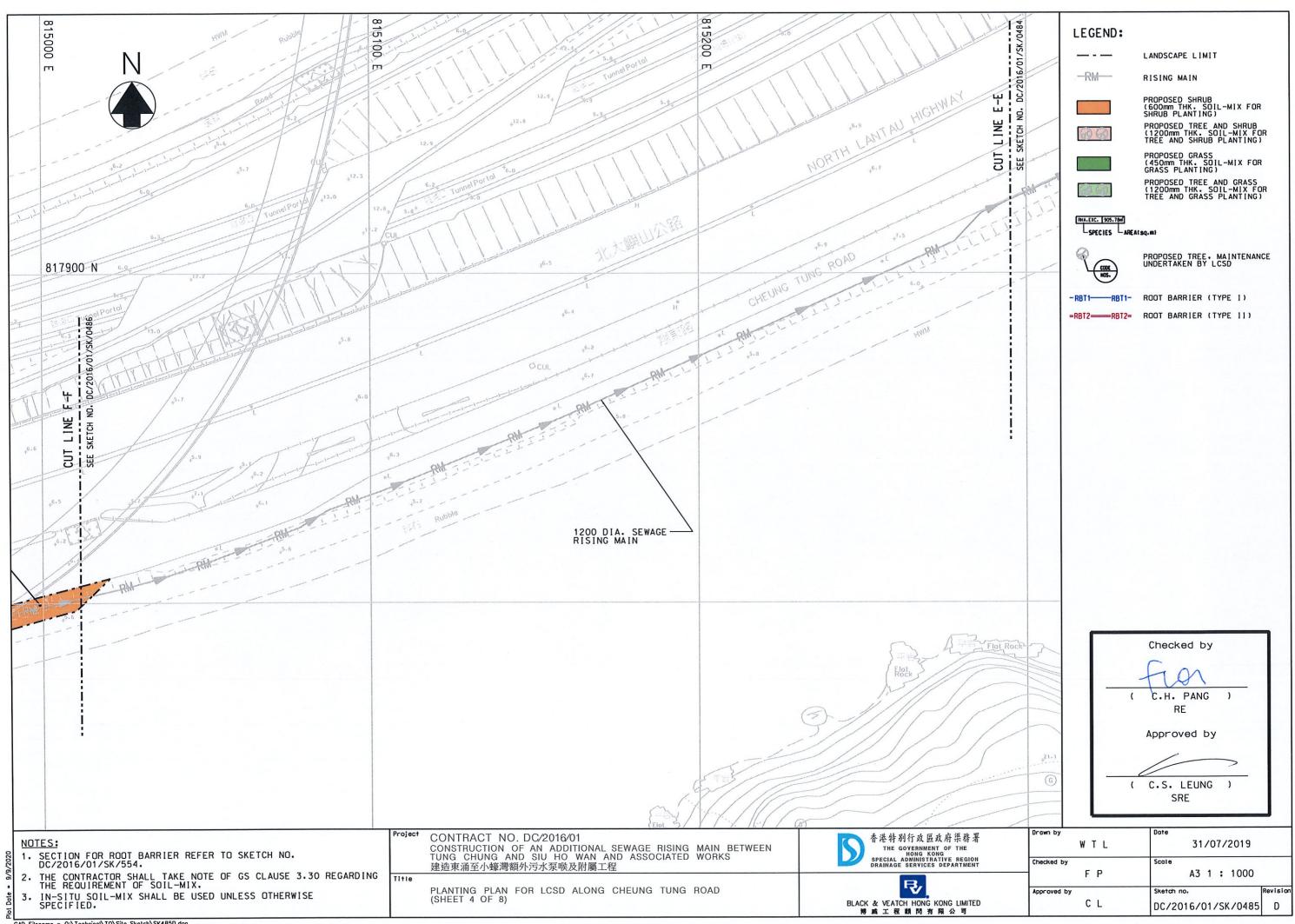




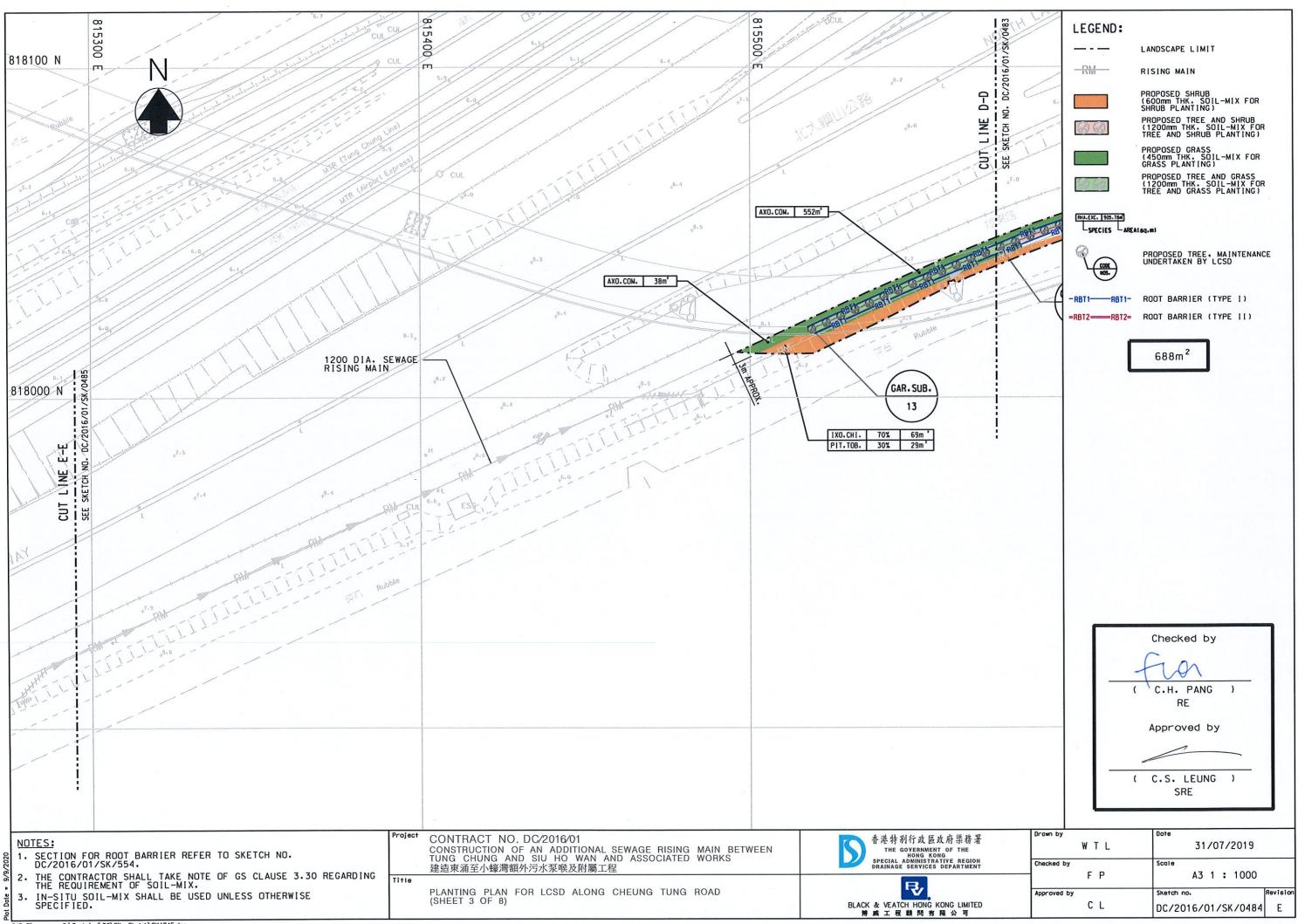


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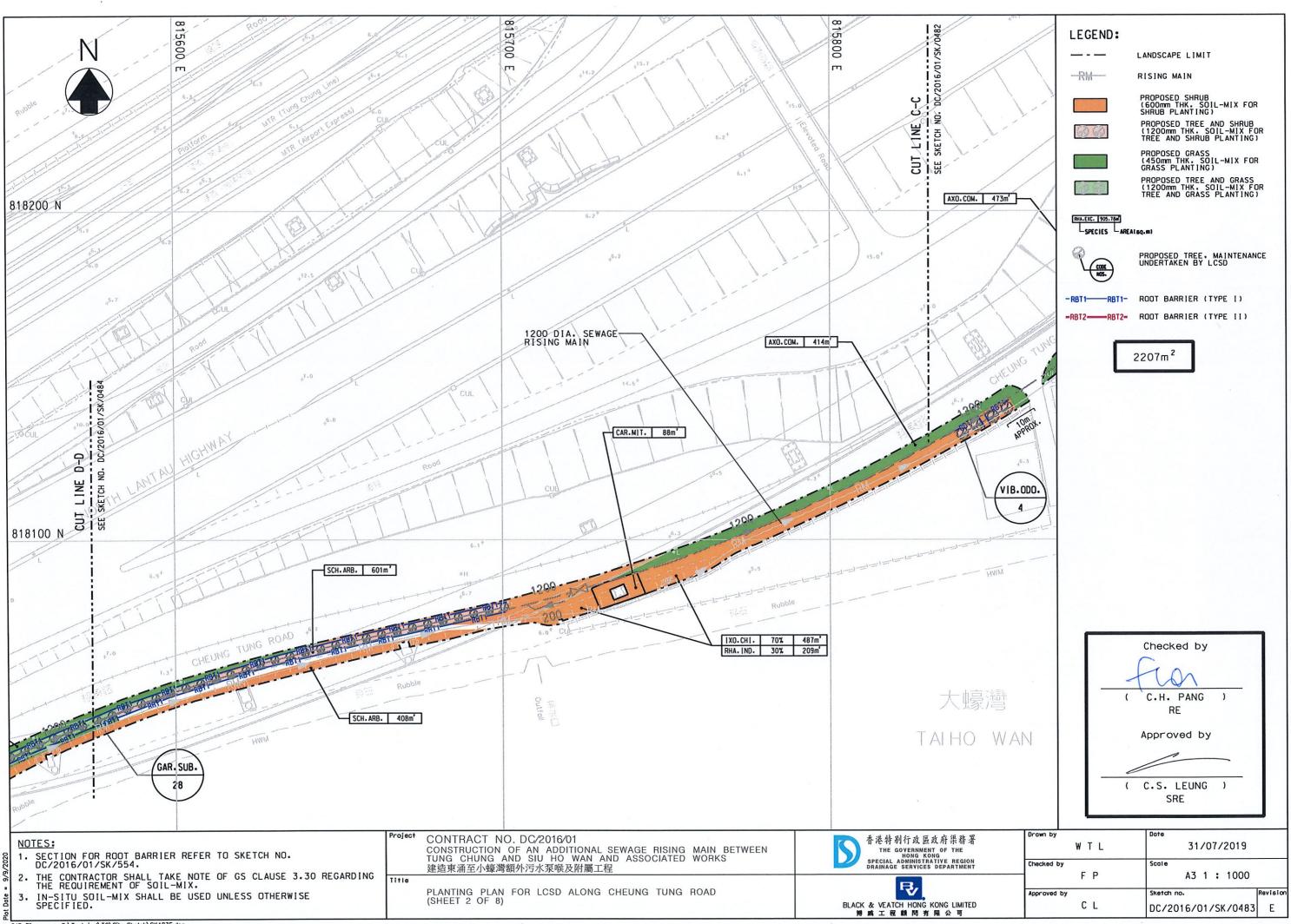




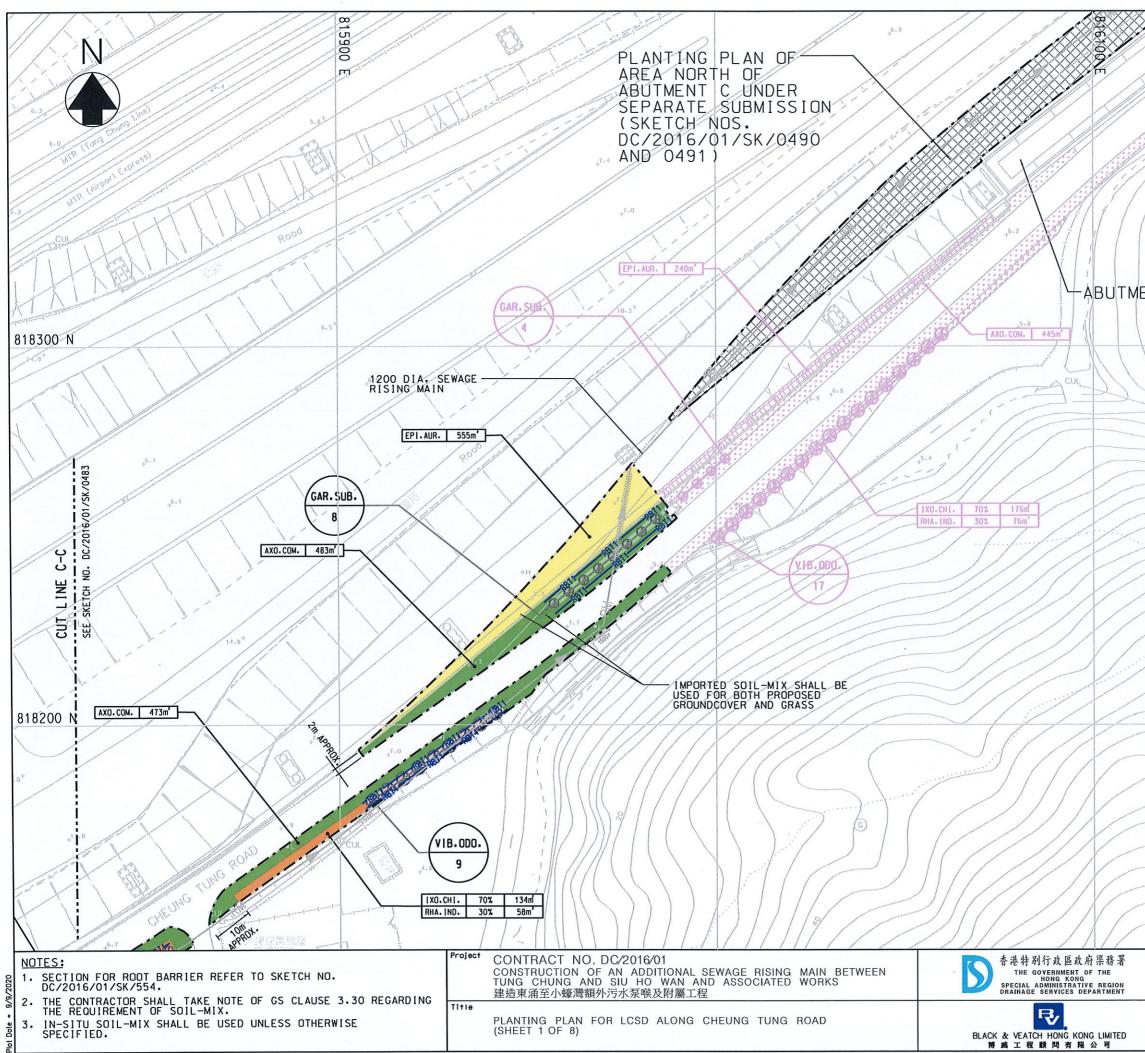
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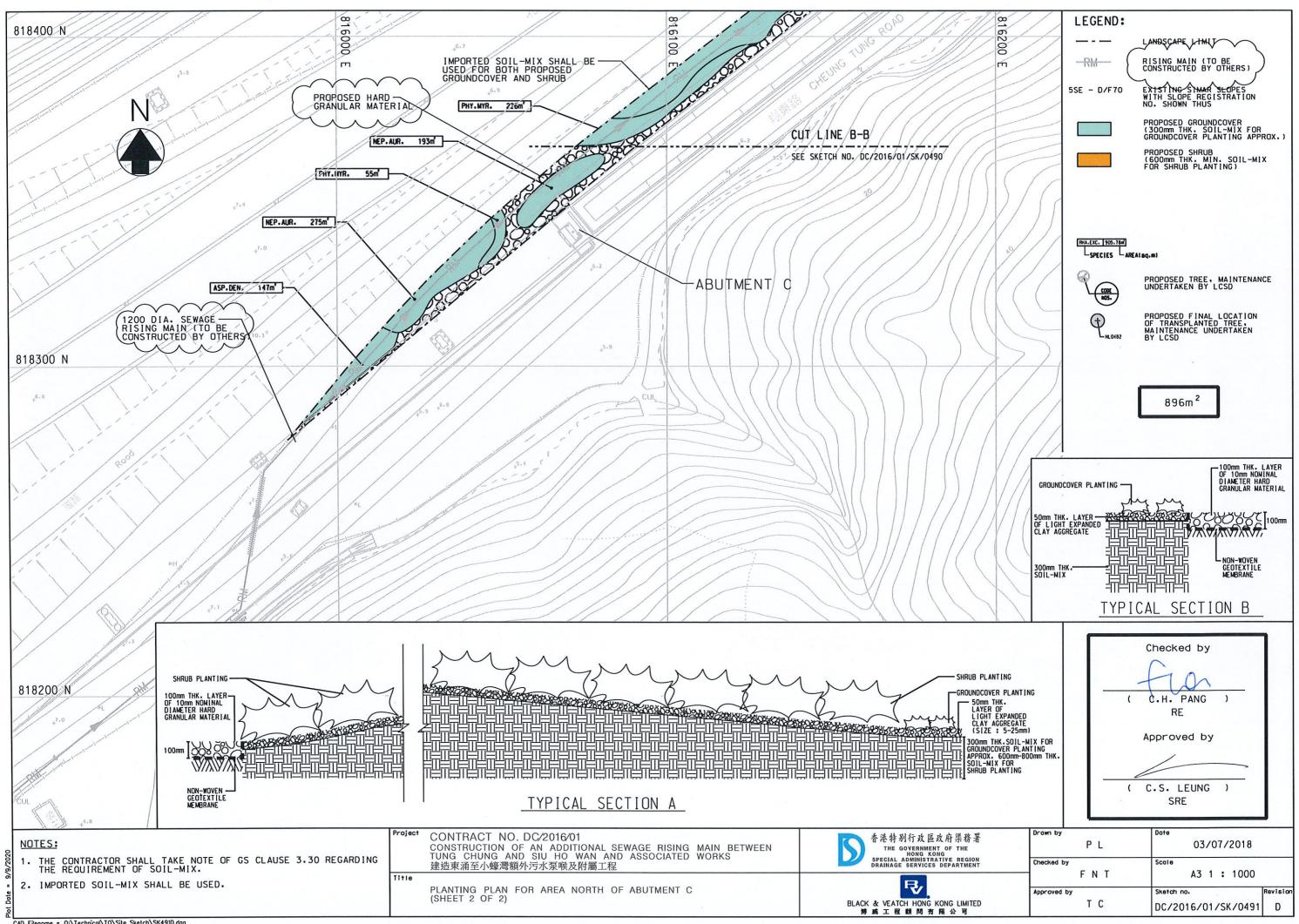


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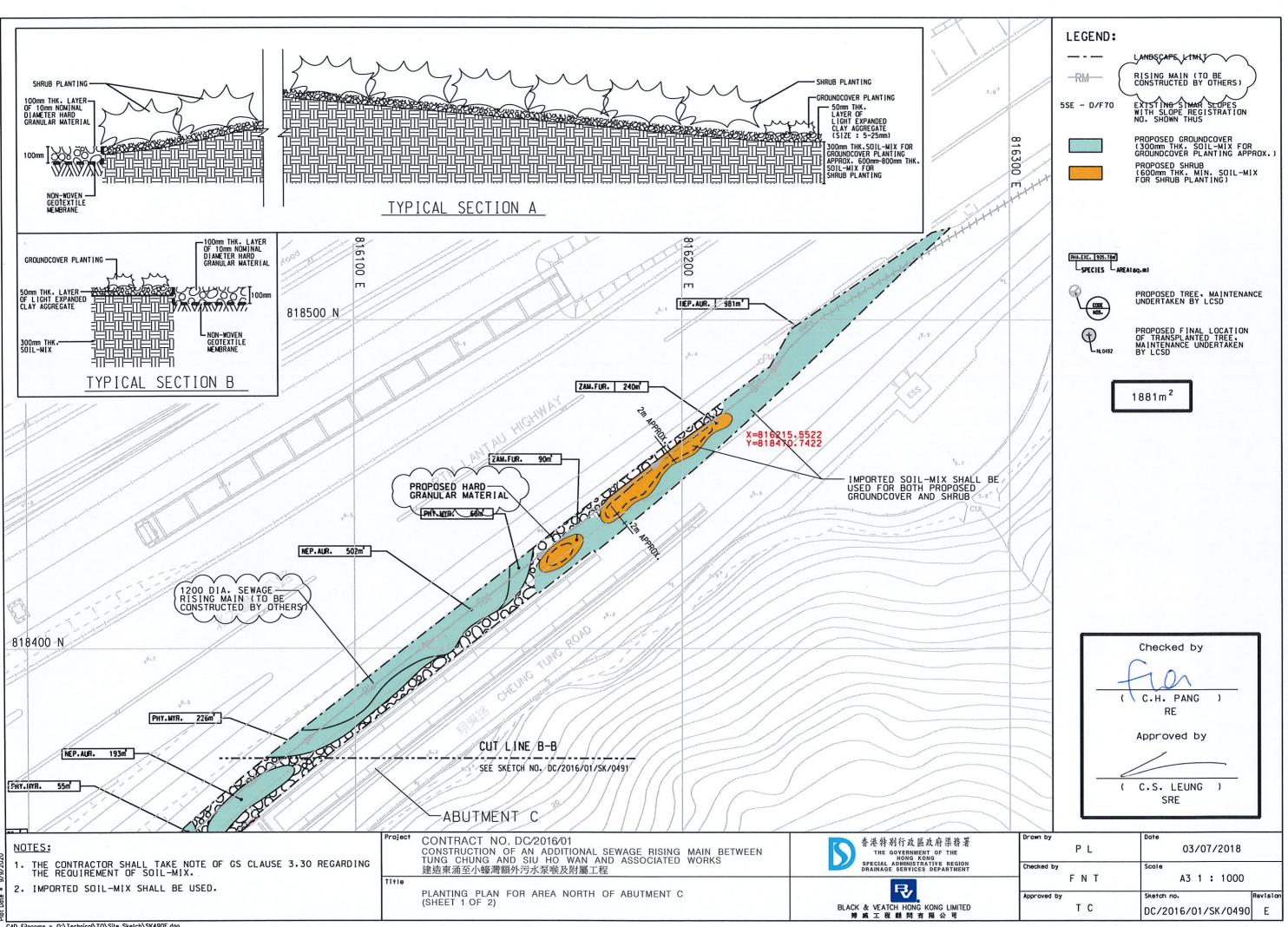


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Ì	15		
/ /		LEGEND:	
////	12		LANDSCAPE LIMIT
+6.1			PROPOSED DN1200 RISING MAIN
1000	12 -	-RBT1-RBT1-	ROOT BARRIER (TYPE 1)
9/1		RBT2-RBT2=	ROOT BARRIER (TYPE 11)
	7	P.N. CHEZ	PROPOSED FINAL LOCATION OF TRANSPLANTED TREE, MAINTENANCE UNDERTAKEN BY LCSD
[]		HANDOVER B	Y DC/2016/01
			PROPOSED GROUNDCOVER (450mm THK, SOIL-MIX FOR GROUNDCOVER PLANTING APPROX.)
		00	PROPOSED TREE AND SHRUB (1200mm THK, SOIL-MIX FOR TREE AND SHRUB PLANTING)
ENT	C		PROPOSED SHRUB (600mm THK. SOIL-MIX FOR SHRUB PLANTING)
		CALM	PROPOSED TREE AND GRASS (1200mm THK, SOIL-MIX FOR TREE AND GRASS PLANTING)
	11		TREE AND GRASS PLANTING) PROPOSED GRASS (450mm THK. SOIL-MIX FOR GRASS PLANTING)
2/		(RHA.EXC. 905.784) SPECIES AREA	
	$\mathcal{T}$	60	PROPOSED TREE . WAINTENANCE
			PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD
			1703m <sup>2</sup>
		HANDOVER B	Y HY/2012/07
			PROPOSED GROUNDCOVER
			PROPOSED SHRUB
	-		PROPOSED GRASS
	_	(RHA.EXC. 1905.784) LSPECIES LAREA	11 aq. m1
		8	PROPOSED TREE, MAINTENANCE UNDERTAKEN BY LCSD (HANDOVER BY HY/2012/07)
:		CODE NOS.	(HANDOVER BY HY/2012/07)
			Checked by
			Gm
			7001
		(	C.H. PANG ) RE
:			
:			Approved by
			C.S. LEUNG )
		ì	SRE
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	Drawn by	WTL	Dote 31/07/2019
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ŀ	Approved by		Sketch no. Revision
		CL	DC/2016/01/SK/0482 K



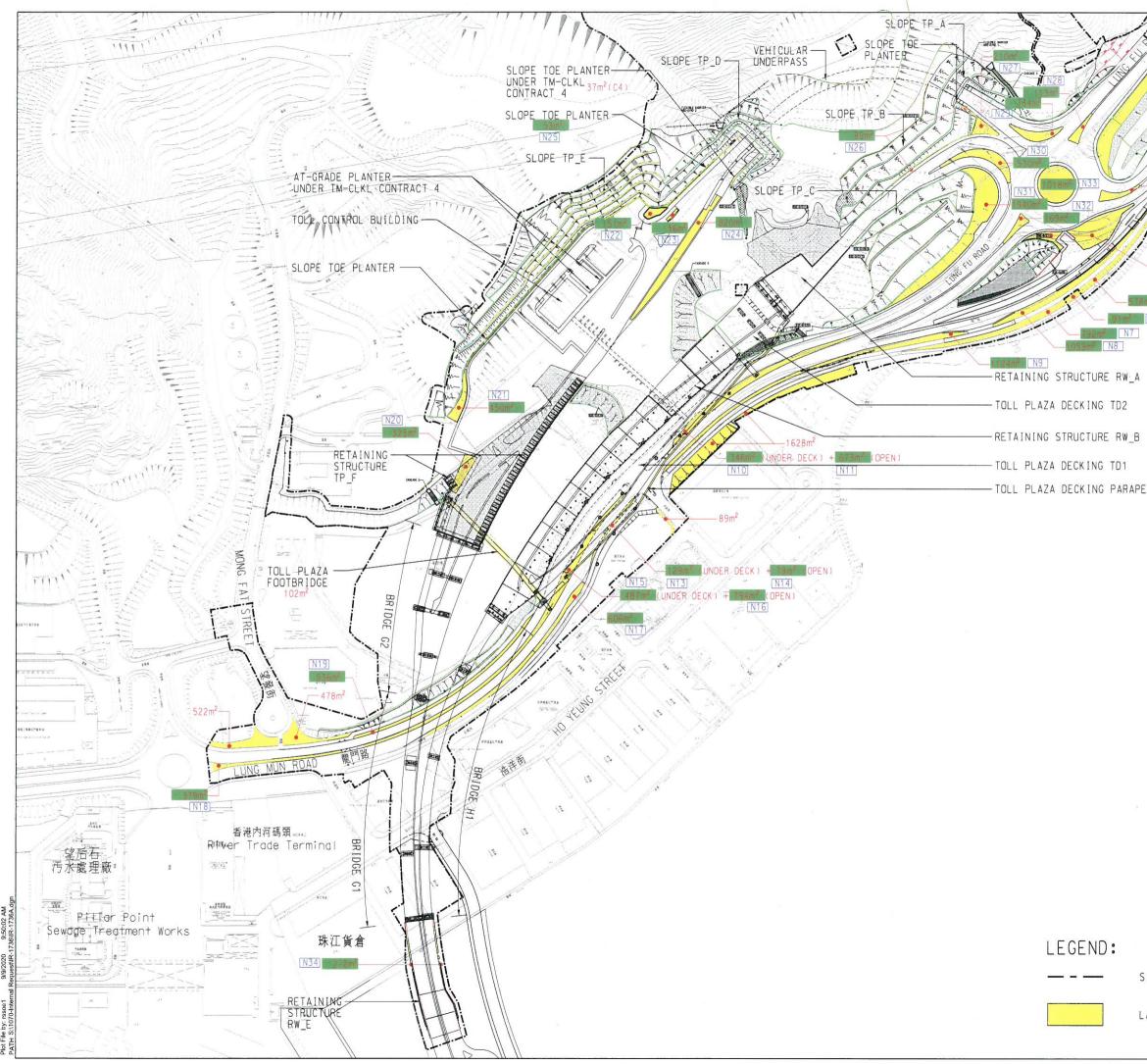
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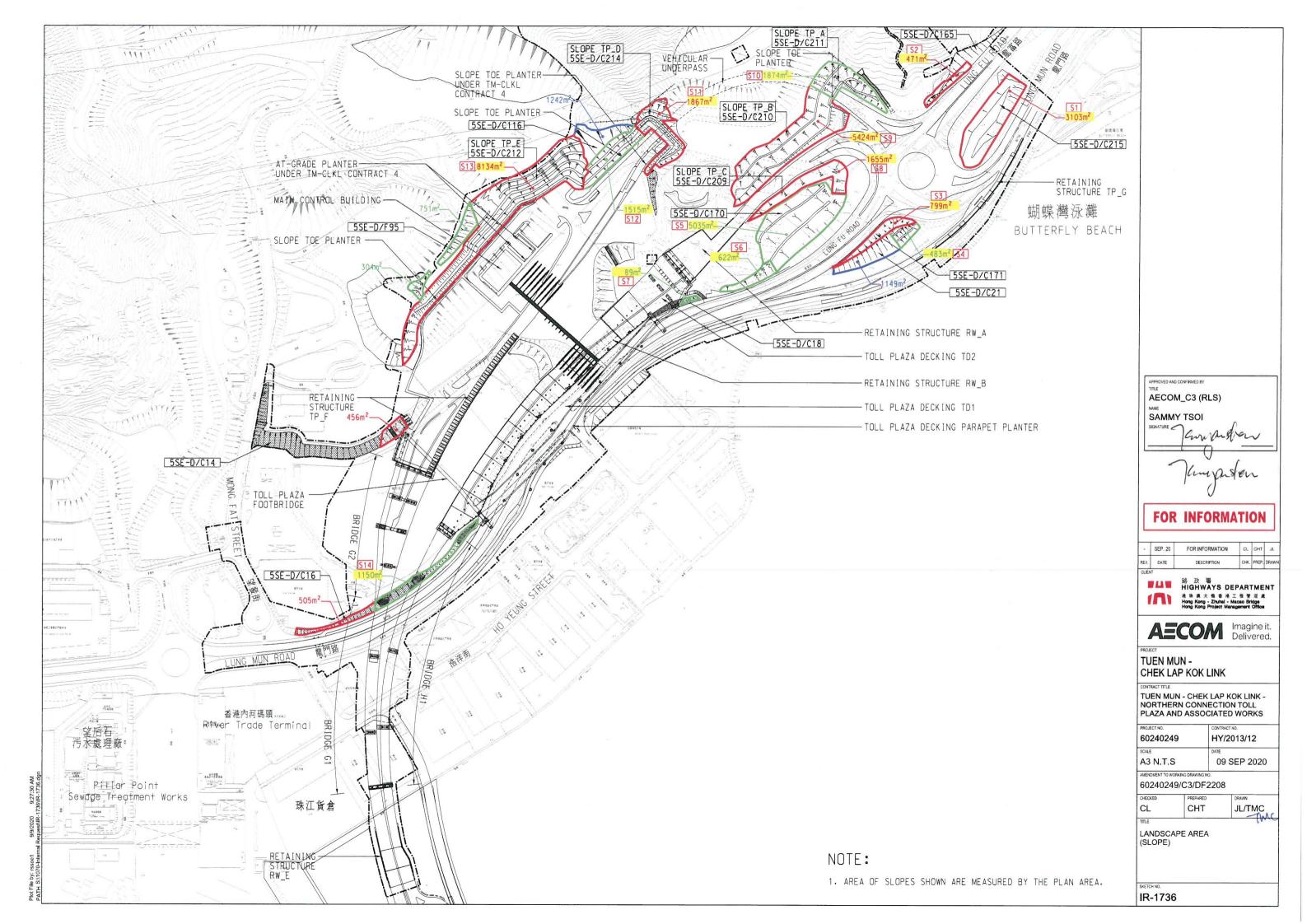
# Planting Area under Contract HY/2013/12

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	
N2	Lung Mun Road	126	0	126
N3	Lung Mun Road	221	0	
N4	Lung Mun Road	1416	0	
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	
N15	Lung Mun Road - under deck	487	0	
N16	Lung Mun Road	794	0	
N17	Lung Mun Road - cycle track	606		
N18	Lung Mun Road	379	0	
N19	Lung Mun Road	536		
N20	Near Footbridge	325	0	
	Toe of Slope TP E	450	0	
N21	Toe of Slope TP_E (PDA)	-281	0	
N22	Toe of Slope TP E	151	0	
N23	Toll Plaza - roadside	36	-	Î
N24	Toll Plaza - roadside	820	0	
N25	Toe of 5SE-D/C116	53	0	
N26	Toe of Slope TP_A & Slope TP_B	89	0	
N27	Toe of Slope TP_B	210	0	
N28	Lung Fu Road	113	0	
N29	Island near Roundabout	334	0	
N30	Island near Roundabout	530		
N31	Toe of 5SE-D/C170	1940	0	
N32	Lung Fu Road	1940	0	
N33	Roundabout	105		
N34	Retaining Structure RW E	272	0	
S1	5SE-D/C215	3103	14	
S2	5SE-D/C215	471	30	
S2 S3	5SE-D/C105	799		
S4	5SE-D/C1/1	483		
S5	5SE-D/C21 5SE-D/C170 (PART 1)	5035		
<u>S6</u>	5SE-D/C170 (PART 1)	622	28	
<u>S7</u>	5SE-D/C170 (FART 2)	89		
S8	5SE-D/C18 5SE-D/C209 (Slope TP_C)	1655		
<u>58</u> S9		5424		
S10	5SE-D/C210 (Slope TP_B) 5SE-D/C211 (Slope TP_A)	1874		2347
		1874	50	
<u>S11</u>	5SE-D/C214 (Slope TP_D)			
S12	5SE-D/C116	1515		
S13	5SE-D/C212 (Slope TP_E)	8134		
C14	5SE-D/C212 (Slope TP_E) (PDA)	-4132		
S14 Sub-Total	5SE-D/C16 (Non-PDA)	1150	32	1356 53613



	2
J Trees	~
Baata A State	
221 ml N3	
RETAINING STRUCTURE TP_G	
蝴蝶灣泳灘	
BUTTERFLY BEACH	
NE	
N6	
	2
	APPROVED AND CONFIRMED BY
	AECOM_C3 (RLS)
T PLANTER 300m	SAMMY TSOI
[ <u>N12</u> ]	- ayphelien
	Tayachen Noupustern
	liveraster
	FOR INFORMATION
	- SEP. 20 FOR INFORMATION CL CHT JL
	REV. DATE DESCRIPTION CHK. PREP. DRAWN
	路政署 HIGHWAYS DEPARTMENT 德珠典大概香港工图管理或
	港京廣大橋香港工 医 管 浸点 Hong Kong - Zhuhai - Macao Bridge Hong Kong Project Management Office
	<b>AECOM</b> 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. CONTRACT NO. 60240249 HY/2013/12
	A3 N.T.S DATE 09 SEP 2020
	AMENDMENT TO WORKING DRAWING NO. 60240249/C3/DF2210
	CHECKED PREPARED DRAWN CL CHT JL/TMC
ITE BOUNDARY	INDSCAPE AREA (NON-SLOPE)
ANDSCAPE AREA (NON-SLOPE)	
	SKETCH NO. IR-1736A
	IN-1730A



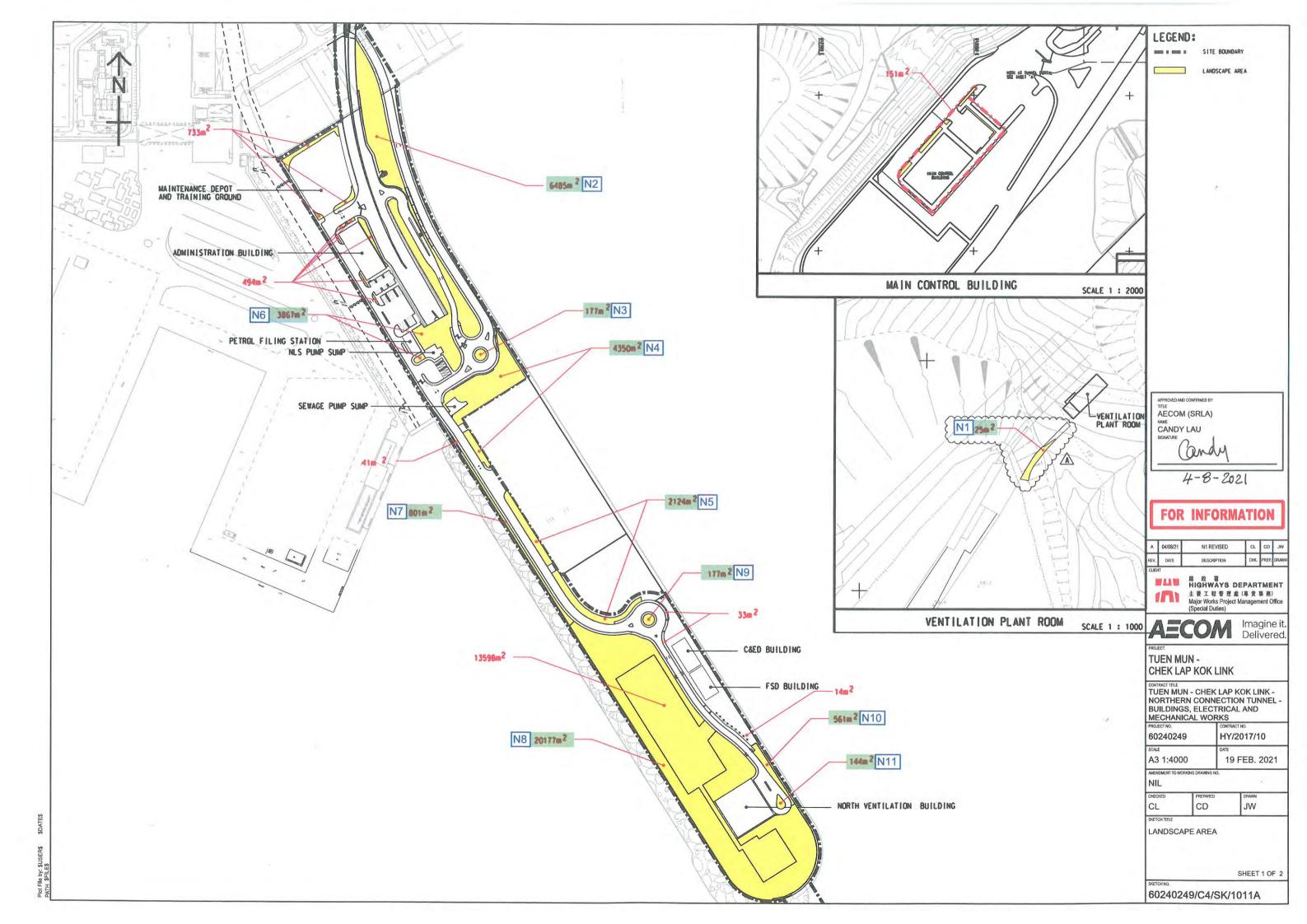
# Planting Area under Contract HY/2017/10

Arres Code	Location	Plan Area (sq.m.)
Area Code	Location	Approx.
N1	VPR	25
N2	NLF	6485
N3	NLF	177
N4	NLF	4350
N5	NLF	2124
N6	NLF	3867
N7	NLF	801
N8	NLF	20177
N9	NLF	177
N10	NLF	561
N11	NLF	144
Sub-total (A)		38888
N12	SLF	105314
Sub-total (B)		105314
Total (A) + (B)		144202

Contract No. HY/2017/10 (C4) Landscape Area Checking for EP Condition 2.9

ABBREVIATIONS

VPR NLF SLF Ventilation Plant Room Northern Landfall Southern Landfall





			LEGEND:
•	+	+	LANDSCAPE AREA
+	•	+	
•	•	+	
÷	ುಕ್ರ	·	
+	÷	·	
•	٠	÷	APPROVED AND COMFIRMED BY TITLE AECOM (RLS)
+	+	•	NAME SAMMY TSOI Stouture Dugustrum 22-3-202
•	*	Ċ	FOR INFORMATION
	•	·	BEX         DATE         DESCRIPTION         CHK         PREP.         DRA           CLENT         路及署         HIGHWAYS         DEPARTMENT           第二日         第五日常理案(高貴專務)         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.         CONTRACT NO.           60240249         HY/2017/10           SCALE         DATE           A3 1:4000         19 FEB. 2021           AMERIOMENT TO WORKING DRAIMING NO.         HU
	•	٠	NIL CHECKED PREPARED DRAWN CL CD JW SKETCH ITTLE LANDSCAPE AREA
	•	+	SHEET 2 OF 2 SHEET 2 OF 2 60240249/C4/SK/1012