

Contract No. HY/2020/08  
Flyover from Kwai Tsing Interchange Upramp  
to Kwai Chung Road

Landscape Plan  
under EP-541/2017/A  
(Issue 6)

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## 1. INTRODUCTION

### 1.1 Project Description

1.1.1 The proposed scope of works in the Project is implemented under Contract No. HY/2020/08 which includes:-

- (i) construction of a single-lane vehicular bridge of approximately 370 metres in length connecting Tusen Wan Road southbound fast lane (near the Kwai Tsing Interchange upramp) to Kwai Chung Road;
- (ii) widening of a section of Tsuen Wan Road southbound traffic lane of approximately 85 metres in length between Kwai Tsing Interchange upramp and Kwai Chung Road;
- (iii) construction of noise barriers at the proposed vehicular bridge;
- (iv) demolition and re-provisioning of the existing Footbridge No. NF303 and provision of lifts;
- (v) relocation of the bus stop next to Footbridge No. NF303 and associated footpath reconstruction;
- (vi) reconstruction of a section of road at Kwai Chung Road and Container Port Road South; and
- (vii) implementation of ancillary works including public lighting, drainage, landscaping, etc.

1.1.2 The Project is a designated project under the Environmental Impact Assessment Ordinance (EIAO) for which Environmental Impact Assessment (EIA) report and Environmental Monitoring and Audit (EM&A) Manual was approved by Environmental Protection Department (EPD) (Reg. No.: AEIAR- 190/2015). The Environmental Permit (EP) (EP-541/2017/A) issued by EPD set out a number of deliverables required to be submitted to EPD for approval under the Project.

### 1.2 Objectives of this Submission

1.2.1 This is the Landscape Plan submission made in fulfilment of Clause 2.4 of Environmental Permit (EP) (No. EP-541/2017/A).

1.2.2 As stated in Condition 2.4 in the EP No. EP-541/2017/A, “The Permit Holder shall, at least 1 month before the commencement of construction of the Project, deposit with the Director 4 hard copies and 4 electronic copies of a Landscape Plan. The Landscape Plan shall set out details on the arrangement of existing trees on site, including measures for tree protection, tree transplantation and compensatory tree proposal; and show the implementation programme, maintenance and management schedules, and drawings in an appropriate scale. Before submission to the Director, the Landscape Plan shall be certified by the ET Leader and verified by the IEC as conforming to the relevant information and recommendations contained in the approved EIA Report (Register No. AEIAR-190/2015). All landscape mitigation measures shall be properly implemented and maintained for the Project in accordance with the deposited Landscape Plan. The Permit Holder shall make available additional copies to the Director upon his request.”

1.3 Scope of this Submission

1.3.1 This submission aims to demonstrate the landscape mitigation measure adopted during the construction period. These Mitigation Measures (MM) are developed in accordance with the approved EIA report and EM&A Manual. They include the following:

- Good Site Management
- Tree Protection & Preservation
- Tree Transplantation
- Compensatory Planting

1.3.2 Landscape master plan in environmental review report under Agreement No. CE72/2015 is attached in **Appendix A**.

1.3.3 Tree Survey Report has been prepared by qualified person to determine the trees conditions and record the findings of topographical and horticultural characteristics of each individual tree (including Tree Survey Plan, Tree Survey Schedule and Tree Photographs) before the tree to be felled in this Contract, attached in **Appendix B**.

1.3.4 Peako Engineering Co. Limited (Peako) will minimise the number of trees to be felled and to provide adequate tree protection and preservation mitigation measures to the retained trees through the construction period of this Contract.

## 2. LANDSCAPE AND VISUAL MITIGATION MEASURES IN EIA&EM&A

2.1 Proposed mitigation measures as landscape and visual mitigation measures during the construction stage with reference to the Table 5 of the Appendix 1-2 in the EM&A Manual - Flyover from Kwai Tsing Interchange Upramp to Kwai Chung Road are shown in **Appendix C**:

### 2.2 Tree Treatment Schedule

Detailed tree treatment schedule refers to **Appendix D**. A summary table of recommended treatment for each tree species is listed in below.

Botanical Name	Chinese Name	Total	Retain	Fell	Transplant
<i>Albizia lebbbeck</i>	大葉合歡	1 (0)	1 (0)		
<i>Artocarpus heterophyllus</i>	菠蘿蜜	1	1		
<i>Bauhinia acuminata</i>	白花羊蹄甲	1 (0)	1 (0)		
<i>Bauhinia blakeana</i>	洋紫荊	4 (3)		4 (3)	
<i>Bauhinia purpurea</i>	紅花羊蹄甲	14 (12)	12 (11)	2 (1)	
<i>Bauhinia variegata</i>	宮粉羊蹄甲	5 (3)	3 (2)	2 (1)	
<i>Bombax ceiba</i>	木棉	1	1		
<i>Bougainvillea spectabilis</i>	光葉子花(籐杜鵑)	1		1	
<i>Caryota mitis</i>	短穗魚尾葵(小魚尾葵)	12		12	
<i>Casuarina equisetifolia</i>	木麻黃	1	1		
<i>Celtis sinensis</i>	朴樹	2	1	1	
<i>Chukrasia tabularis</i>	麻棟	1 (0)	1 (0)		
<i>Dimocarpus longan</i>	龍眼	1	1		
<i>Ficus benjamina</i>	垂葉榕	13 (10)		13 (10)	
<i>Ficus hispida</i>	對葉榕(牛乳樹)	2		2	
<i>Ficus microcarpa</i>	榕樹(細葉榕)	2	1	1	
<i>Ficus religiosa</i>	菩提樹	1	1		
<i>Ficus virens</i>	大葉榕(黃葛樹)	2	1	1	
<i>Lagerstroemia speciosa</i>	大花紫薇	16 (7)			16 (7)
<i>Leucaena leucocephala</i>	銀合歡	3 (0)	1 (0)	2 (0)	
<i>Livistona chinensis</i>	蒲葵	3			3
<i>Macaranga tanarius</i>	血桐	5 (3)	3 (2)	2 (1)	
<i>Melaleuca cajuputi</i>	白千層	5			5
<i>Melia azedarach</i>	楝(苦楝)	1	1		
<i>Morus alba</i>	桑	2		2	

Botanical Name	Chinese Name	Total	Retain	Fell	Transplant
Plumeria rubra	雞蛋花	11 (10)	1	10 (9)	
Psidium guajava	番石榴	1		1	
Spathodea campanulata	火焰木	20 (17)		20 (17)	
Thevetia peruviana	黃花夾竹桃	30		30	
Total		162 (133)	32 (25)	106 (93)	24 (15)
<p>Remark:</p> <ol style="list-style-type: none"> <li>Value without bracket means the number of trees was recorded in the Agreement of CE72/2015.</li> <li>Value in bracket means the actual number of trees was recorded on site as stated in tree survey record (Appendix B). Some of the trees were felled before site access or missing when carrying out tree survey inspection.</li> </ol>					

### 2.3 Measures for tree protection and preservation

A total of 25 nos. existing trees within the project site are to be retained under the contract. The following protection and preservation measures for the retained trees will be implemented:

#### 1. Protection of Preserved Trees

- a) In respect of the preserved trees, the Contractor will implement the following measures for the whole duration of the Contract: -
  - No nails or other fixings shall be driven into trees;
  - No fencing or signs shall be attached to trees;
  - No materials or machinery shall be stored, stockpiled, parked or operated loaded within Tree Protection Zone (hereinafter referred to as TPZ) which is defined as the area within the dripline of the tree;
  - No trees shall be used as anchors for ropes or chains used in guying, pulling and the like;
  - No site offices, workshops, canteens, containers or similar structures shall be installed within the TPZ(s);
  - Petrol, oil, bitumen, creosote, cement and other materials likely to be injurious to the trees shall be kept away from the TPZ(s), and any accidental spills of these materials shall be cleaned up immediately,
  - Excessive water shall be drained away from the TPZ(s) to prevent damage to tree roots by asphyxiation,
  - No stripping of surface vegetation or top layer of soil shall be carried out within the TPZ(s),
  - Any necessary scarification or cultivation within the TPZ(s) shall be carried out carefully by hand so as not to cause damage to the trees, in particular the bark and the roots,
  - Any equipment, in particular delivery vehicles, overhead cranes, mechanical excavations, drilling rigs and piling rigs, shall be carefully operated so as not to cause striking of the trunks, branches, foliage or root collars of the trees,
  - The trees to be felled, which are adjacent to, or which lie within a continuous canopy of the preserved trees, shall be carefully removed, and if necessary in

- sections but not using bulldozers in any circumstances, so as not to cause damage to the preserved trees such as scraping bark off trunks or breaking branches of trees,
- Align all routes of the overhead services within the Site and all access routes to the Site or within the Site away from the preserved trees as far as possible,
  - Submit a report comprising the updated photographic records of all the preserved trees to the landscape architect and *Project Manager* bi-monthly. Report to the landscape architect and *Project Manager* if any preserved tree is found to have structural defects or has decaying symptoms.
- b) The Contractor shall erect temporary protective fence around each such preserved tree or group of trees, preferably to protect the whole area within the spread of the tree's crown. The temporary protective fence will be made of 1.5 m high chain link fences with supporting metal tubes or the like to make it adequately rigid (nylon netting is not appropriate).
- c) The temporary protective fence will be erected before the commencement of construction works and any other site operations that may affect the trees. Warning signs and notices are to be installed at the fences denoting the TPZ to prohibit the entry of equipment or construction activities.
- d) If erection of temporary protective fence for the preserved trees is not reasonably practicable, then the following precautions shall be taken:
- Provide temporary protective hessian or plank armouring around tree trunks to protect the preserved trees. The minimum height of the hessian armouring or hessian and plank armouring from the ground shall be 1.5 m.
  - Protect the ground of the TPZ from damage by construction activities by the use of temporary protective mulching. If necessary, coverings should be laid on top of the temporary protective mulching to provide additional protection from soil compaction due to passage of vehicles, equipment or machinery.
- e) The temporary protective fence (or, alternatively, temporary protective armouring and application of temporary protective mulching) will be maintained throughout the construction period and removed upon completion of the works in the adjacent area.
- f) Where excavation is required near the preserved trees for construction works, the following precautions shall be taken to protect the roots:
- All trenching works should be at least 2.5m away from the preserved trees as far as possible.
  - Avoid root disturbance within the crown spread of the tree canopy.
  - Excavation near trees should be done carefully so as not to damage the bark and root collars of the preserved trees,
  - Roots temporarily exposed during excavation shall be wrapped with damp straw or hessian.
  - If cutting of roots is necessary, the extent of root cutting should be kept to minimum and with prior agreement of the landscape architect and *Project Manager*. Before commencing any cutting work, the locations of the major roots and the bulk of their absorbing roots will be determined so as to ensure the tap roots, sinker roots and

- support roots of the trees are preserved.
- The excavated materials should be stockpiled outside the TPZ to avoid soil compaction.
  - Backfilling should be done by hand. The backfill materials should be topsoil mixed with soil conditioner, including sufficient slow released fertilizer.
  - Balanced moisture content in the trees and in the soil should be maintained after backfilling of the excavation, by carrying out precautionary measures such as crown thinning, watering and mulching.
- g) Regular site inspections will be carried out to ensure that the integrity of the TPZ is maintained and all tree protection measures are in place and observed during the construction works. Any foreseeable damage should be reported and corrected as soon as it is identified.
- h) The growth conditions of all retained trees will be continuously monitored to watch for signs of stresses, such as dieback, leaf loss, or general decline tree health or appearance and to look for and prevent tree damage with symptoms of construction injury.

## 2. Pruning of preserved trees

- a) No pruning to the preserved trees shall be carried out without approval of the landscape architect and *Project Manager*. All pruning work shall be carried out in accordance with good horticultural practice and the Guidelines on Tree Pruning published by Greening, Landscape and Tree Management Section of Development Bureau.
- b) A pruning plan shall be prepared by qualified arborist before any pruning work.
- c) Pruning and removal of branches shall be done using appropriate and sharp tools to produce smooth and clean cuts to facilitate wound closure. All equipment and tools used in should be kept clean and sterilised regularly before and after operations to prevent the spread of pests or diseases.
- d) Ragged, rough edges of bark or wood shall be trimmed cleanly from around wounds with a sharp knife to the minimum extent that is necessary so as to hasten wound closure, and twigs less than 15 mm diameter shall be cut with sharp secateurs.
- e) Pruning shall be carried out with the cut just above and sloping away from an outward facing healthy bud, and removal of branch shall be carried out by having the final cut of the last branch segment made just outside the branch collar when it is present or at an angle being the mirror image of the branch bark ridge when there is no branch collar, so that no part of the stem is damaged or torn, and no snags or stumps are left.
- f) Large branches shall be removed in stages beginning with the removal of the main weight of the branch from perimeter of crown in towards the trunk and with the final cut of the last branch segment made in a way without leaving a stub and damaging the bark.
- g) All cuts shall be made to avoid splintering or tearing of bark that would catch water and encourage rot, and cracks, cavities or rotten wood shall be cut back with a clean, sharp implement to remove the dead, damaged and decayed tissue without damaging the living tissue.



- h) Topping shall not be carried out in any circumstances.
3. Maintenance of preserved trees
- a) Irrigation
- Water all planting areas as often as is required to keep the soil moist up to a minimum of 200 mm deep from surface.
  - Watering would be carried out either in early morning or late afternoon or both as the case may be.
  - Watering frequency would be applied to ensure the plants are in healthy condition during construction period.
- b) Fertilizer
- Slow release fertilizer will be applied if and when required.
- c) Mulching
- Top up with a 30mm thick layer of mulch to suppress weeds and condition the soil.
  - Organic materials such as decomposed leaf litter, tree bark, small wood-shavings, wood chips, chopped tree fern, may be used.

**Tentative implementation programme of landscape mitigation measures for construction phase**

Tree protection of retained trees (25 nos.) will be carried out throughout the entire construction phase.

2.4 Measures for tree transplant

All trees proposed to be transplanted (24 nos.) will be relocated to the temporary nursery area with arrangement to be agreed with the Supervisor in initial stage of the works. After the construction work is substantially completed, these trees will be transplanted back to the reinstated amenity area within the site compensatory planting of trees and shrubs will also be carried out at the same stage.

Contractor conducted a tree survey inspection on 17 July 2021. 9 nos. of trees to be transplanted (i.e. T114, T119 – T123, T126, T128 and T129) were reported that they were felled before site access. Hence, 15 nos. of trees would be transplanted. The tree survey record is enclosed in **Appendix B**.

Those trees, which were unavoidably affected by the construction works, are identified as to be transplanted. The concerned tree would be labelled with its corresponding tree numbers as marked and set up a fencing around in the drawings (HY202008/LS/C01/0201 and HY202008/LS/C01/202 enclosed in **Appendix D**).

Contractor advised that the transplant location would be difficult to carry out in early construction stage. With the support from LCSD, a receptor site for permanent transplantation of 15 nos. trees has been proposed in the roadside amenity along Route 8 Tsing Sha Highway near Container Port Road South. Further to the joint site meeting with Ms. S.L. Yim, LCSD on 23 August 2021, the

said receptor site was much available than the original one as Ms. Yim mentioned the maintenance works would be difficult and lack of sunshine if the existing trees were transplanted to Container Port Road South. Furthermore, the detailed approval record and location plan are enclosed in **Appendix E**.

Contractor has appointed a tree specialist to carry out the arboricultural work to trees, including but not limited to planting, replanting, transplanting, tree pruning and surgery work, and control of pest and disease. Method Statement of tree transplant is enclosed in **Appendix F**.

In the wake of transplant, a 12-month maintenance period will be provided for the trees after planting. Post-transplanting maintenance works will be conducted including general maintenance works.

During the 12-month establishment period, the project proponent should arrange periodic inspection to monitor tree maintenance work. The project proponent should also submit quarterly inspection reports together with photos of those transplanted trees to LCSD for perusal.

## 2.5 Tree Compensation

In accordance with Appendix A of DEVB TCW No. 7/2015, compensatory planting proposal is required to be of a ratio not less than 1 to 1 in terms of number. The aggregate DBH sizes of the proposed felled trees at locations other than SIMAR slope are 20977 mm. In this current proposal, a total of 106 nos. of compensated trees (all of the tree has a DBH size of 80mm) are proposed. Please refer to Tree Compensation Plans in **Appendix G** for details. Typical planter detail are shown in **Appendix H1**.

The proposed compensatory trees species are listed hereunder as follows:

Item	Botanical Name	Chinese Name	Quantity (Nos.)	DBH (mm)	Spacing (m)
MB	Melaleuca Bracteata 'Revolution Gold'	黃金串錢柳	25	80	3
GS	Garcinia Subelliptica	福木	17	80	4
SF	Syzygium Formosana	紅芽赤楠	18	80	4
VO	Viburnum Odoratissimum	珊瑚樹	18	80	4
TP	Thevetia Peruviana	黃花夾竹桃	28	80	3

## 2.6 Planting schedule for shrub

Details of planting schedule are shown in **Appendix H2**.

The proposed shrubs planting schedule are listed hereunder as follows:

Item	Botanical Name	Chinese Name	Area (SQ.M)	Quantity (Nos.)	Density (Nr / SQ.M)
CF	Cordyline Fruticosa	朱蕉	317.8	2295	7.22
DF	Dracaena Fragrans	馬尾鐵	197.8	1428	7.22
PB	Philodendron Bipinnatifidum Schott Ex Endl.	裂葉喜樹蕉(春羽)	160.5	742	4.62
RE	Rhapis Excelsa	棕竹	76.5	353	4.62

## 2.7 Landscape mitigation measures

The landscape mitigation measures for the construction phase and operation phase would strictly follow the Clause 7.9.6 of the EIA report. A summary table for construction phase and operation phase is listed hereunder as follows.

### Construction Phase Mitigation Measures

Mitigation Code	Mitigation Measures
CP1	Development Site and Temporary Works Areas – The construction area and contractor’s temporary works area should be minimized to avoid impacts on adjacent landscape. The landscape of these works areas will be restored following the completion of the construction phase. Construction site controls shall be enforced, to ensure that the landscape and visual impacts arising from the construction phase activities are minimized including the storage of materials, the location and appearance of site accommodation and the careful design of site lighting to prevent light spillage. Screen hoarding may be a practicable for this project due to the viewing distances is short in a lot of site situation.
CP2	Mitigation Planting – Replanting of disturbed planting areas with shrubs planting should be undertaken at the earliest possible stage during the construction phase of the project so as to reduce the impact of the removed trees.

### Operation Phase Mitigation Measures

Mitigation Code	Mitigation Measures
OP1	Design of the Proposed Carriageway Structures and Associate Facilities – the carriageway structure will incorporate design features as part of design mitigation measures including: choices of material, colour, and shape.
OP2	Integrated Design Approach – the associated noise barrier should consider incorporating different means of mitigation measures including choices of material, colour and integrate, as far as technically feasible, with the carriageway as part of design mitigation measures to reduce the potential cumulative impact of the proposed works.
OP3	Roadside and Amenity Planting – These planting will utilize flowering and colourful foliage shrubs species to improve the road side planting in creating a more pleasant landscape network in the area. Large shrubs should also be considered to create visual buffers of the supporting.
OP4	Enhancement of Streetscape – The landscape proposal should consider introducing coloured paving materials to tie with the paving theme of the Kwai Chung area.

Programme of mitigation measures during construction period and in operation phase for this Project while all mitigation codes (i.e. CP1, CP2 and OP1 – OP4) annotated in the drawing (**Appendix I**):

Programme of Mitigation Measures		
	Start from	End in
Construction phase		
CP1	Mid 2022	Early 2025
CP2	Late 2022	Early 2025
Operation phase		
OP1	Early 2025	-
OP2		
OP3		
OP4		

Details of maintenance and management of the proposed works refers to **Appendix J**.

### 3. SUMMARY

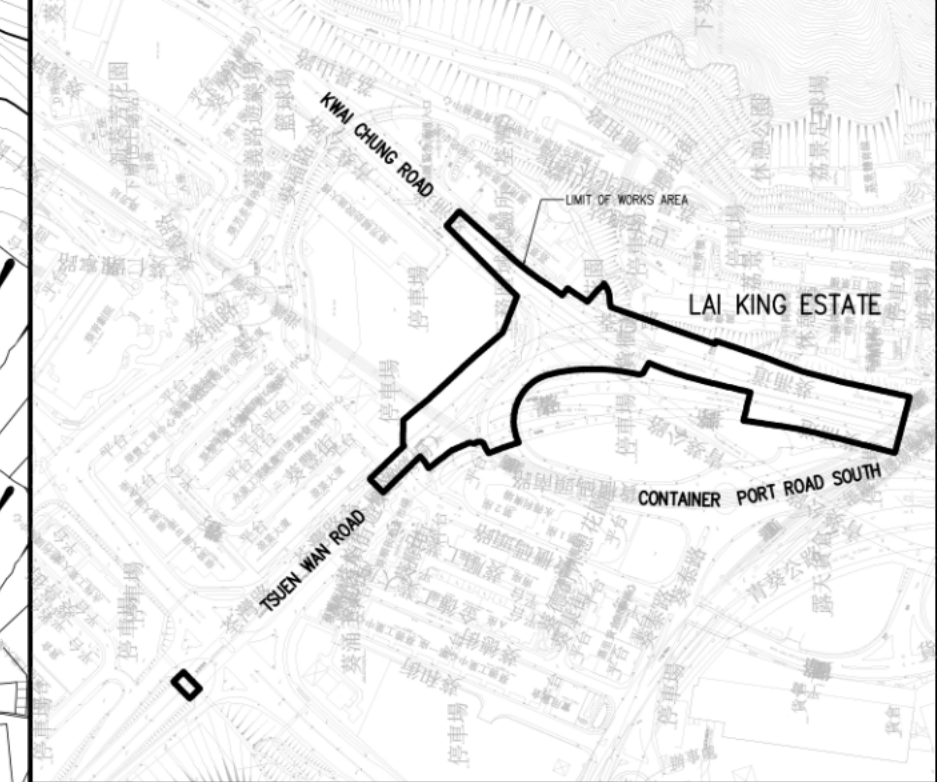
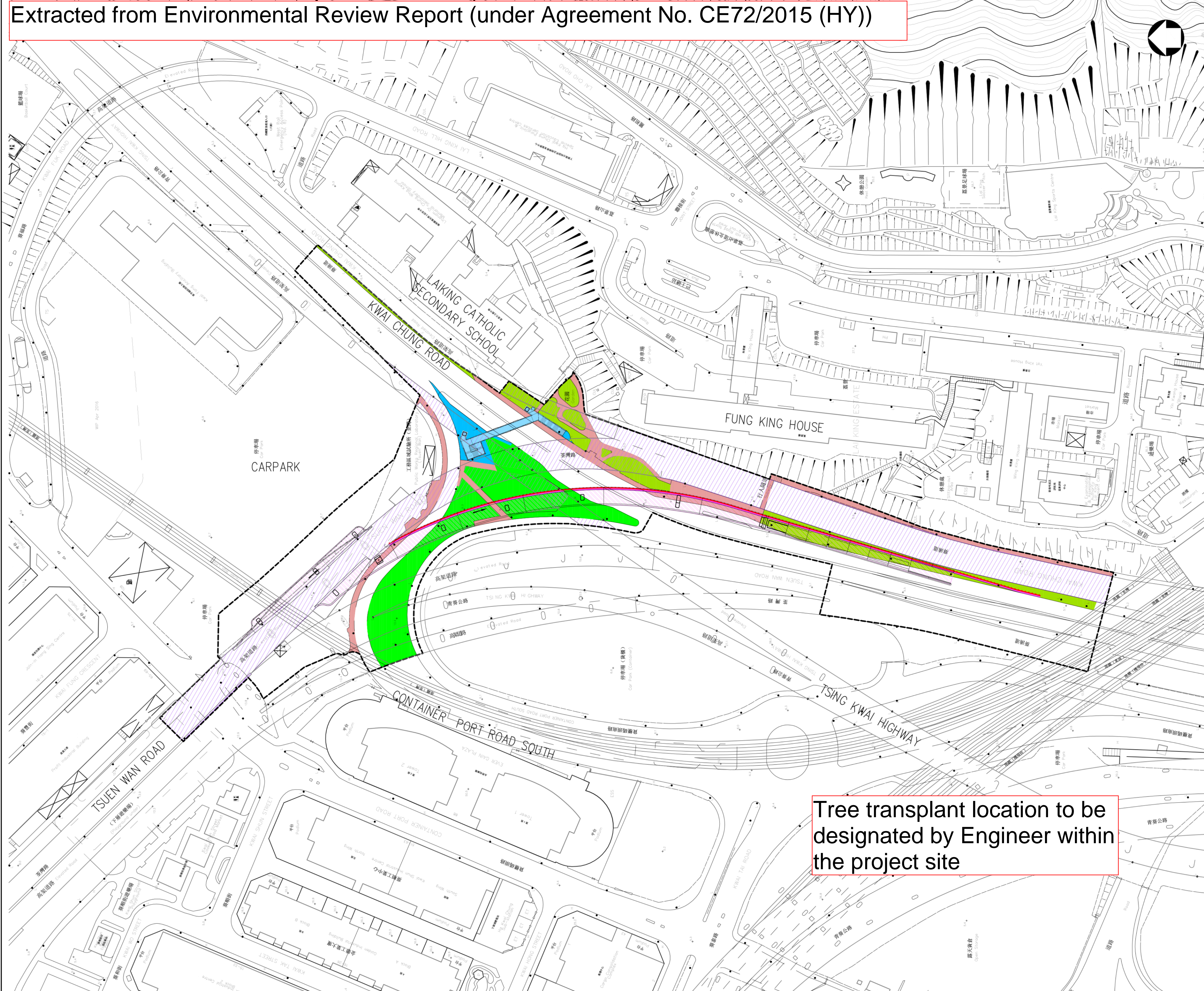
- 3.1 This is the Landscape Plan submission made in fulfilment of Clause 2.4 of Environmental Permit No. EP-541/2017/A.
- 3.2 Proposed mitigation measures as landscape and visual mitigation measures during the construction stage in accordance with the Table 5 of the Appendix 1-2 in the EM&A Manual - Flyover from Kwai Tsing Interchange Upramp to Kwai Chung Road, to comply with the Condition 2.4 of the Environmental Permit No. EP-541/2017/A.
- 3.3 All relevant design measures listed in the Table 5 of the Appendix 1-2 in the EM&A Manual - Flyover from Kwai Tsing Interchange Upramp to Kwai Chung Road have been considered in the construction stage. These measures have been incorporated in the landscape plan as far as practicable.
- 3.4 A summary table for the preservation, transplantation and compensation of trees are listed hereunder as follows.

	Preservation	Transplantation	Compensation
No. of Tree	25	15	106
Locations	In-situ	Roadside amenity area along Route 8 Tsing Sha Highway	In-situ and roadside area near Tai Wo Hau Road
Establishment Period	/	12 months	12 months
Establishment Party	/	Peako	Peako
Maintenance Party	LCSD	LCSD	LCSD

Appendix A

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**Landscape Master Plan**



- LEGEND :**
- PROPOSAL WORKS AREA
  - EXISTING FOOTPATH
  - EXISTING PLANTING AREA
  - PROPOSED FOOTPATH
  - PROPOSED PLANTING AREA FOR STREETScape ENHANCEMENT/ REINSTATEMENT
  - PROPOSED ELEVATED VIADUCT/ROAD ALIGNMENT/ WIDENING OF BRIDGE DECK
  - EXISTING ELEVATED VIADUCT
  - PROPOSED REPROVISIONED FOOTBRIDGE NF303
  - PROPOSED NOISE BARRIER

Tree transplant location to be designated by Engineer within the project site

Rev	Description	By	Date
Consultant			
Project title			
AGREEMENT NO.CE72/2015(HY)			
FLYOVER FROM KWAI TSING INTERCHANGE UPRAMP TO KWAI CHUNG ROAD - DESIGN AND CONSTRUCTION			
Drawing title			
LANDSCAPE MASTER PLAN			
Drawing no.		Rev.	
FIGURE 8.4		-	
Drawn	Date	Checked	Approved
CAD	30/09/2020	-	-
Scale	Status		FIGURE
1:1000 (A1)			

Appendix B  

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**Tree Survey Report**





Peako Engineering Co. Limited

必高工程有限公司

(Wholly owned by Man King Holdings Limited)

Our ref. : KTIC/PE2101/2.02/12.06/L/0097

Date : 22 July 2021

By Hand & Email

WSP (Asia) Limited  
7/F, One Kowloon,  
1 Wang Yuen Street,  
Kowloon Bay, Hong Kong

**Attention: Mr. Emeric WAN (Supervisor for the Contract)**

Dear Sirs,

**Contract No. HY/2020/08**

***Flyover from Kwai Tsing Interchange Upramp to Kwai Chung Road***

**- Tree Survey Record**

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Pursuant to GS Clause 26.03(1), we submit herewith the tree survey record which is prepared by certified arborist for your perusal and retention.

As per PS Clause 2.06A(1), please be advised that there are a number of trees that are specified to be felled or transplanted under the contract but are found either to have been felled already or missing based on the findings of the tree survey.

Yours faithfully,  
For and on behalf of  
**Peako Engineering Co. Limited**

---

T S LAM  
Site Agent

Encl.




TOYO GREENLAND CO., LTD.  
東陽綠化有限公司



# Tree Survey Report

Project : Contract No. HY/2020/08  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Main Contractor : Peako Engineering Co., Ltd.

Verified and Signed By : Mr. NG, Sze Yuen, Jason  (Inspection Officer)

Date : 19 July 2021

Ref. : C3105/21/TGD2318



No. 14, North Section, Wa Shan Tsuen, Sheung Shui, N.T., Hong Kong  
香港新界上水華山村北段 14 號

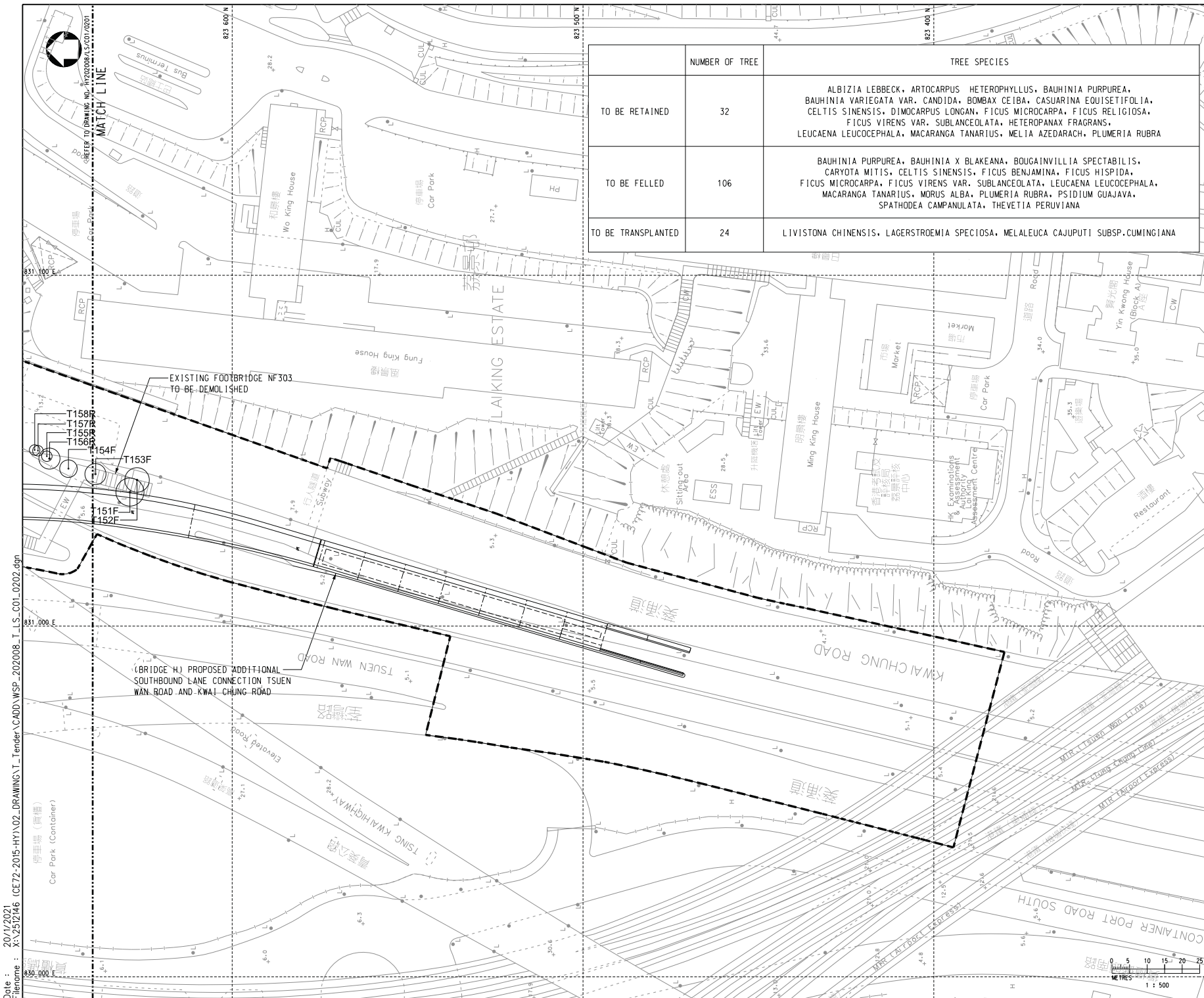
Tel: (852) 2639 9312 Fax: (852) 2377 2150 Web Site: [www.toyogreen.com](http://www.toyogreen.com)

## Content

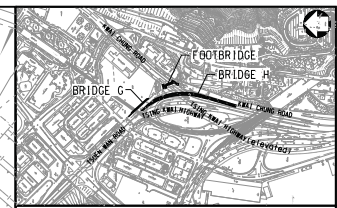
1. Location Plan of Trees
2. Tree Survey Record Summary
3. Photographic Record of Tree Survey

# **Location Plan of Trees**





	NUMBER OF TREE	TREE SPECIES
TO BE RETAINED	32	ALBIZIA LEBBECK, ARTOCARPUS HETEROPHYLLUS, BAUHINIA PURPUREA, BAUHINIA VARIEGATA VAR. CANDIDA, BOMBAX CEIBA, CASUARINA EQUISETIFOLIA, CELTIS SINENSIS, DIMOCARPUS LONGAN, FICUS MICROCARPA, FICUS RELIGIOSA, FICUS VIRENS VAR. SUBLANCEOLATA, HETEROPANAX FRAGRANS, LEUCAENA LEUCOCEPHALA, MACARANGA TANARIUS, MELIA AZEDARACH, PLUMERIA RUBRA
TO BE FELLED	106	BAUHINIA PURPUREA, BAUHINIA X BLAKEANA, BOUGAINVILLEA SPECTABILIS, CARYOTA MITIS, CELTIS SINENSIS, FICUS BENJAMINA, FICUS HISPIDA, FICUS MICROCARPA, FICUS VIRENS VAR. SUBLANCEOLATA, LEUCAENA LEUCOCEPHALA, MACARANGA TANARIUS, MORUS ALBA, PLUMERIA RUBRA, PSIDIUM GUAJAYA, SPATHODEA CAMPANULATA, THEVETIA PERUVIANA
TO BE TRANSPLANTED	24	LIVISTONA CHINENSIS, LAGERSTROEMIA SPECIOSA, MELALEUCA CAJUPUTI SUBSP. CUMINGIANA

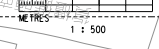


**LEGEND :**

- LIMIT OF WORKS SITE (AT GROUND LEVEL)
- PROPOSED LIFT
- EXISTING TREE
- TREE TO BE RETAINED
- TREE TO BE FELLED
- TREE TO BE TRANSPLANTED

- ISSUE FOR TENDER		EW	01/21
Rev	Description	By	Date
Consultant			
Project title			
CONTRACT NO. HY/2020/08			
FLYOVER FROM KWAI TSING INTERCHANGE UP-RAMP TO KWAI CHUNG ROAD			
Drawing title			
TREE FELLING PLAN (SHEET 2 OF 2)			
Drawing no.		Rev. -	
HY202008/LS/C01/0202			
Drawn	Date	Checked	Approved
CSL	29/11/2019	SH	EW
Scale	1:500 (A1)	Status	TENDER
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Date : 20/1/2021  
 Filename : X:\2517\46 (CE72-2015-HY)02\_DRAWING\1\_Tender\CADD\WSP\_202008\_T\_LS\_C01\_0202.dgn



# **Tree Survey Record Summary**

Tree Assessment Schedule

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

Surveyed by: Jason Ng

**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T020	Ficus benjamina	垂葉榕	11.5	578	6.5	Fair	Fair	Fair	Fair	Low	Fell	
T021	Ficus benjamina	垂葉榕	14.0	520	15.0	Fair	Fair	Fair	Fair	Low	Fell	Co-domainant trunk
T022	Ficus benjamina	垂葉榕	10.0	442	8.0	Fair	Fair	Fair	Fair	Low	Fell	
T023	Caryota mitis	短穗魚尾葵	4.3	200	2.4	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T024	Caryota mitis	短穗魚尾葵	4.0	206	2.0	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T025	Plumeria rubra	雞蛋花	2.5	116	2.6	Fair	Fair	Fair	Fair	Medium	Fell	
T026	Plumeria rubra	雞蛋花	2.4	180	2.5	Fair	Fair	Fair	Fair	Medium	Fell	
T027	Plumeria rubra	雞蛋花	2.4	115	2.6	Fair	Fair	Fair	Fair	Medium	Fell	
T028	Plumeria rubra	雞蛋花	2.6	12	2.8	Poor	Poor	Fair	Poor	Medium	Fell	
T029	Plumeria rubra	雞蛋花	2.3	113	2.5	Poor	Fair	Fair	Poor	Medium	Fell	Leaning
T030	Plumeria rubra	雞蛋花	2.5	105	2.6	Fair	Fair	Fair	Fair	Medium	Fell	Leaning
T031	Plumeria rubra	雞蛋花	2.3	140	2.4	Fair	Fair	Fair	Fair	Medium	Fell	
T032	Plumeria rubra	雞蛋花	-	-	-	-	-	-	-	-	-	Tree was felled
T033	Plumeria rubra	雞蛋花	2.4	128	2.5	Fair	Fair	Fair	Fair	Medium	Fell	
T034	Caryota mitis	短穗魚尾葵	4.3	201	2.6	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T035	Caryota mitis	短穗魚尾葵	5.4	211	2.3	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T036	Caryota mitis	短穗魚尾葵	4.5	180	2.5	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T037	Spathodea campanulata	火焰木	5.4	111	3.5	Fair	Fair	Fair	Fair	Medium	Fell	Bending
T038	Morus alba	桑	7.4	215	5.3	Fair	Fair	Fair	Fair	Medium	Fell	
T039	Spathodea campanulata	火焰木	-	-	-	-	-	-	-	-	-	Tree was felled



Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

Surveyed by: Jason Ng

**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T040	Spathodea campanulata	火焰木	8.0	226	3.0	Fair	Fair	Fair	Fair	Medium	Fell	
T041	Morus alba	桑	6.2	130	4.3	Fair	Fair	Fair	Fair	Medium	Fell	
T042	Bauhinia purpurea	紅花羊蹄甲	5.3	125	3.4	Poor	Poor	Poor	Poor	Poor	Fell	Topped
T043	Spathodea campanulata	火焰木	5.4	110	2.3	Poor	Fair	Poor	Poor	Medium	Fell	Leaning
T044	Caryota mitis	短穗魚尾葵	4.3	112	2.4	Fair	Fair	Fair	Fair	Medium	Fell	
T045	Bauhinia blakeana	洋紫荊	-	-	-	-	-	-	-	-	-	Tree was felled
T046	Bauhinia blakeana	洋紫荊	5.4	234	6.4	Poor	Fair	Fair	Poor	Medium	Fell	
T047	Spathodea campanulata	火焰木	7.4	156	4.4	Poor	Fair	Poor	Poor	Low	Fell	Bending
T048	Spathodea campanulata	火焰木	7.3	205	5.3	Fair	Fair	Poor	Fair	Low	Fell	Leaning
T049	Spathodea campanulata	火焰木	-	-	-	-	-	-	-	-	-	Tree was felled
T050	Ficus benjamina	垂葉榕	11.2	379	8.2	Fair	Poor	Fair	Fair	Medium	Fell	
T051	Ficus microcarpa	細葉榕	4.0	111	2.0	Fair	Fair	Fair	Fair	Medium	Fell	
T052	Ficus benjamina	垂葉榕	-	-	-	-	-	-	-	-	-	Tree was felled
T053	Ficus benjamina	垂葉榕	-	-	-	-	-	-	-	-	-	Tree was felled
T054	Ficus benjamina	垂葉榕	13.4	670	13.4	Fair	Fair	Fair	Fair	Low	Fell	Co-dominant branches
T055	Thevetia peruviana	黃花夾竹桃	4.5	113	3.5	Fair	Fair	Fair	Poor	Medium	Fell	Leaning
T056	Thevetia peruviana	黃花夾竹桃	5.5	144	4.5	Fair	Fair	Fair	Fair	Medium	Fell	Bending
T057	Thevetia peruviana	黃花夾竹桃	4.5	148	5.5	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T058	Bauhinia blakeana	洋紫荊	8.6	216	6.4	Fair	Fair	Fair	Fair	Medium	Fell	
T059	Bauhinia blakeana	洋紫荊	10.4	290	5.4	Fair	Fair	Fair	Fair	Medium	Fell	
T060	Ficus benjamina	垂葉榕	12.4	641	18.3	Fair	Fair	Fair	Fair	Low	Fell	

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

Surveyed by: Jason Ng

**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)	(Good/Fair/Poor)				(High/Medium/Low)	(Retain/Transplant/Fell)	
T061	Ficus benjamina	垂葉榕	11.5	440	10.4	Fair	Fair	Fair	Fair	Low	Fell	
T062	Ficus benjamina	垂葉榕	7.5	302	3.5	Poor	Poor	Fair	Poor	Low	Fell	trunk,topped
T063	Ficus benjamina	垂葉榕	-	-	-	-	-	-	-	-	-	Tree was felled
T064	Ficus benjamina	垂葉榕	12.5	610	16.5	Fair	Fair	Fair	Fair	Medium	Fell	
T065	Ficus benjamina	垂葉榕	12.4	546	17.3	Fair	Fair	Fair	Fair	Medium	Fell	
T066	Thevetia peruviana	黃花夾竹桃	4.0	180	3.0	Fair	Poor	Fair	Poor	Medium	Fell	Multi trunk
T067	Thevetia peruviana	黃花夾竹桃	3.4	168	4.3	Fair	Poor	Fair	Poor	Medium	Fell	Multi trunk
T068	Thevetia peruviana	黃花夾竹桃	3.5	143	3.4	Fair	Poor	Fair	Poor	Medium	Fell	Multi trunk
T069	Thevetia peruviana	黃花夾竹桃	3.4	138	4.3	Fair	Poor	Fair	Poor	Medium	Fell	Multi trunk
T070	Spathodea campanulata	火焰木	-	-	-	-	-	-	-	-	-	Tree was felled
T071	Thevetia peruviana	黃花夾竹桃	4.3	130	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T072	Thevetia peruviana	黃花夾竹桃	3.4	139	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T073	Spathodea campanulata	火焰木	6.4	147	3.3	Poor	Fair	Fair	Poor	Medium	Fell	
T074	Thevetia peruviana	黃花夾竹桃	3.4	179	4.3	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T075	Thevetia peruviana	黃花夾竹桃	2.4	145	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T076	Thevetia peruviana	黃花夾竹桃	3.4	166	2.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T077	Thevetia peruviana	黃花夾竹桃	3.5	156	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Cross branches,Multi trunk
T078	Spathodea campanulata	火焰木	5.4	146	3.4	Poor	Fair	Fair	Poor	Medium	Fell	
T079	Spathodea campanulata	火焰木	5.3	157	4.5	Poor	Fair	Fair	Poor	Medium	Fell	
T080	Thevetia peruviana	黃花夾竹桃	3	137	4.0	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T081	Spathodea campanulata	火焰木	5.4	164	3.4	Poor	Fair	Fair	Poor	Medium	Fell	

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

Surveyed by: Jason Ng

**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)	(Good/Fair/Poor)			(High/Medium/Low)	(Retain/Transplant/Fell)		
T082	Thevetia peruviana	黃花夾竹桃	3.4	160	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T083	Thevetia peruviana	黃花夾竹桃	3.5	147	2.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T084	Spathodea campanulata	火焰木	5.5	190	3.5	Fair	Fair	Fair	Fair	Medium	Fell	
T085	Thevetia peruviana	黃花夾竹桃	3.5	154	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T086	Spathodea campanulata	火焰木	6.4	184	4.4	Fair	Fair	Fair	Fair	Medium	Fell	
T087	Spathodea campanulata	火焰木	4.4	119	2.3	Poor	Fair	Fair	Poor	Medium	Fell	Leaning
T088	Thevetia peruviana	黃花夾竹桃	3.4	146	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T089	Thevetia peruviana	黃花夾竹桃	4.4	115	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T090	Thevetia peruviana	黃花夾竹桃	2.4	137	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T091	Spathodea campanulata	火焰木	6.4	183	4.3	Fair	Fair	Fair	Fair	Medium	Fell	
T092	Spathodea campanulata	火焰木	6.4	179	4.4	Fair	Fair	Fair	Fair	Medium	Fell	Co-dominant trunk
T093	Thevetia peruviana	黃花夾竹桃	3.4	154	3.3	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T094	Spathodea campanulata	火焰木	5.4	174	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Cross branches
T095	Thevetia peruviana	黃花夾竹桃	3.5	167	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T096	Thevetia peruviana	黃花夾竹桃	3.4	167	4.5	Poor	Fair	Fair	Poor	Medium	Fell	Cross branches,Multi trunk
T097	Thevetia peruviana	黃花夾竹桃	3.4	146	4.3	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T098	Thevetia peruviana	黃花夾竹桃	2.5	134	2.4	Poor	Fair	Fair	Poor	Medium	Fell	Co-dominant trunk
T099	Spathodea campanulata	火焰木	5.5	140	3.5	Poor	Fair	Fair	Poor	Medium	Fell	
T100	Thevetia peruviana	黃花夾竹桃	3.4	156	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T101	Thevetia peruviana	黃花夾竹桃	3.6	176	2.6	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T102	Thevetia peruviana	黃花夾竹桃	4.5	215	5.5	Poor	Fair	Fair	Poor	Medium	Fell	Co-dominant trunk

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

Surveyed by: Jason Ng

**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)	(Good/Fair/Poor)			(High/Medium/Low)	(Retain/Transplant/Fell)		
T103	Thevetia peruviana	黃花夾竹桃	4.4	136	4.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T104	Thevetia peruviana	黃花夾竹桃	4.6	130	3.6	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T105	Spathodea campanulata	火焰木	7.4	350	6.5	Fair	Fair	Fair	Fair	Medium	Fell	
T106	Livistona chinensis	蒲葵	4.4	170	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	Bending
T107	Livistona chinensis	蒲葵	5.4	230	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T108	Livistona chinensis	蒲葵	4.4	230	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T109	Caryota mitis	短穗魚尾葵	4.5	160	2.4	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T110	Caryota mitis	短穗魚尾葵	3.3	180	2.3	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T111	Caryota mitis	短穗魚尾葵	3.5	145	2.5	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T112	Caryota mitis	短穗魚尾葵	6	210	2.0	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T113	Lagerstroemia speciosa	大花紫薇	6.6	170	4.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T114	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T115	Lagerstroemia speciosa	大花紫薇	5.4	135	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T116	Lagerstroemia speciosa	大花紫薇	5.6	110	3.6	Fair	Fair	Fair	Low	Medium	Transplant	
T117	Lagerstroemia speciosa	大花紫薇	5.5	132	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T118	Lagerstroemia speciosa	大花紫薇	4.5	115	2.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T119	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T120	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T121	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T122	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T123	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

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**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T124	Melaleuca cajuputi	白千層	5.6	226	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T125	Lagerstroemia speciosa	大花紫薇	4.5	110	2.5	Fair	Fair	Fair	Fair	Medium	Transplant	Bending
T126	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T127	Melaleuca cajuputi	白千層	7.4	279	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T128	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T129	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T130	Melaleuca cajuputi	白千層	8.7	327	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T131	Melaleuca cajuputi	白千層	7.5	349	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T132	Melaleuca cajuputi	白千層	6.7	231	3.6	Fair	Fair	Fair	Fair	Medium	Transplant	
T133	Lagerstroemia speciosa	大花紫薇	3.6	101	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T134	Artocarpus heterophyllus	菠蘿蜜	5.6	173	5.5	Fair	Fair	Fair	Fair	Medium	Retain	
T135	Plumeria rubra	雞蛋花	3.6	129	3.8	Fair	Fair	Fair	Fair	Medium	Retain	Multi trunk
T136	Dimocarpus longan	龍眼	8.5	335	7.4	Fair	Fair	Fair	Fair	Low	Retain	Co-dominant trunk
T137	Albizia lebbeck	大葉合歡	-	-	-	-	-	-	-	-	-	Tree was missing
T138	Bougainvillea spectabilis	簕杜鵑	3.4	116	2.5	Poor	Fair	Fair	Poor	Medium	Fell	
T139	Psidium guajava	番石榴	4.4	170	2.5	Poor	Poor	Poor	Low	Medium	Fell	Co-dominant branches
T140	Ficus virens	大葉榕	9.4	440	6.5	Fair	Fair	Fair	Fair	Low	Retain	
T141	Ficus microcarpa	細葉榕	7.5	235	6.5	Fair	Fair	Fair	Fair	Low	Retain	
T142	Bombax ceiba	木棉	6.3	163	3.4	Fair	Fair	Fair	Fair	Medium	Retain	
T143	Celtis sinensis	朴樹	7.4	170	3.5	Fair	Fair	Fair	Fair	Medium	Retain	
T144	Plumeria rubra	雞蛋花	3.6	155	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Leaning

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

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**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T146	Ficus religiosa	菩提樹	5.6	140	3.5	Fair	Fair	Fair	Fair	Low	Retain	
T147	Chukrasia tabularis	麻棟	-	-	-	-	-	-	-	-	-	Tree was felled
T148	Macaranga tanarius	血桐	3.6	245	2.5	Fair	Fair	Fair	Fair	Low	Retain	Multi trunk
T151	Ficus virens	大葉榕	16	1000	12.0	Fair	Fair	Fair	Fair	Low	Fell	
T152	Leucaena leucocephala	銀合歡	-	-	-	-	-	-	-	-	-	Tree was felled
T153	Bauhinia variegata	宮粉羊蹄甲	-	-	-	-	-	-	-	-	-	Tree was felled
T154	Ficus hispida	對葉榕	9	260	8.0	Poor	Fair	Poor	Poor	Medium	Fell	
T155	Melia azedarach	苦楝	14	330	8.0	Fair	Fair	Fair	Fair	Medium	Retain	
T156	Leucaena leucocephala	銀合歡	-	-	-	-	-	-	-	-	-	Tree was felled
T157	Bauhinia variegata	宮粉羊蹄甲	10	140	5.0	Fair	Fair	Fair	Fair	Medium	Retain	
T158	Bauhinia variegata	宮粉羊蹄甲	10	190	5.0	Fair	Fair	Fair	Fair	Medium	Retain	
T159	Bauhinia variegata	宮粉羊蹄甲	-	-	-	-	-	-	-	-	-	Tree was felled
T160	Bauhinia acuminata	白花羊蹄甲	-	-	-	-	-	-	-	-	-	Tree was felled
T161	Macaranga tanarius	血桐	-	-	-	-	-	-	-	-	-	Tree was felled
T162	Bauhinia purpurea	紅花羊蹄甲	9	150	6.0	Fair	Fair	Fair	Fair	Medium	Retain	
T163	Bauhinia purpurea	紅花羊蹄甲	7	118	4.0	Poor	Fair	Fair	Poor	Medium	Retain	Dread branches
T164	Bauhinia purpurea	紅花羊蹄甲	9	130	4.0	Poor	Fair	Fair	Poor	Medium	Retain	
T165	Bauhinia purpurea	紅花羊蹄甲	10	280	6.0	Fair	Fair	Fair	Fair	Medium	Retain	
T166	Casuarina equisetifolia	木麻黃	10.4	230	4.3	Fair	Fair	Fair	Fair	Medium	Retain	
T167	Macaranga tanarius	血桐	9	260	7.0	Fair	Fair	Fair	Fair	Low	Retain	
T168	Bauhinia purpurea	紅花羊蹄甲	9	160	4.0	Fair	Fair	Fair	Fair	Low	Retain	

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Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

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**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)	(Good/Fair/Poor)				(High/Medium/Low)	(Retain/Transplant/Fell)	
T169	Bauhinia purpurea	紅花羊蹄甲	8	170	4.0	Poor	Poor	Poor	Poor	Low	Retain	Fallen Tree
T170	Bauhinia purpurea	紅花羊蹄甲	8	130	4.0	Fair	Fair	Fair	Fair	Medium	Retain	Leaning
T171	Bauhinia purpurea	紅花羊蹄甲	7	130	4.0	Fair	Fair	Fair	Fair	Medium	Retain	
T172	Bauhinia purpurea	紅花羊蹄甲	7	120	4.0	Fair	Fair	Fair	Fair	Low	Retain	
T173	Bauhinia purpurea	紅花羊蹄甲	8	110	4.0	Fair	Fair	Fair	Fair	Medium	Retain	
T174	Bauhinia purpurea	紅花羊蹄甲	10	220	6.0	Fair	Fair	Fair	Fair	Medium	Retain	
T175	Bauhinia purpurea	紅花羊蹄甲	10	250	6.0	Poor	Fair	Fair	Poor	Low	Retain	
T176	Macaranga tanarius	血桐	-	-	-	-	-	-	-	-	-	Tree was felled
T177	Bauhinia purpurea	紅花羊蹄甲	-	-	-	-	-	-	-	-	-	Tree was felled
T178	Celtis sinensis	朴樹	7.4	276	5.3	Fair	Fair	Fair	Fair	Low	Fell	
T179	Macaranga tanarius	血桐	8.4	243	6.5	Fair	Fair	Fair	Fair	Low	Fell	Dead branches
T180	Bauhinia variegata	宮粉羊蹄甲	8.4	215	4.5	Fair	Fair	Fair	Fair	Medium	Fell	
T181	Ficus hispida	對葉榕	5.4	127	3.5	Fair	Fair	Fair	Poor	Low	Fell	
T182	Leucaena leucocephala	銀合歡	-	-	-	-	-	-	-	-	-	Tree was felled
T189	Caryota mitis	短穗魚尾葵	5.4	111	2.4	Fair	Fair	Fair	Fair	Medium	Fell	
T190	Caryota mitis	短穗魚尾葵	5	321	3.0	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk

# **Photographic Record of Tree Survey**



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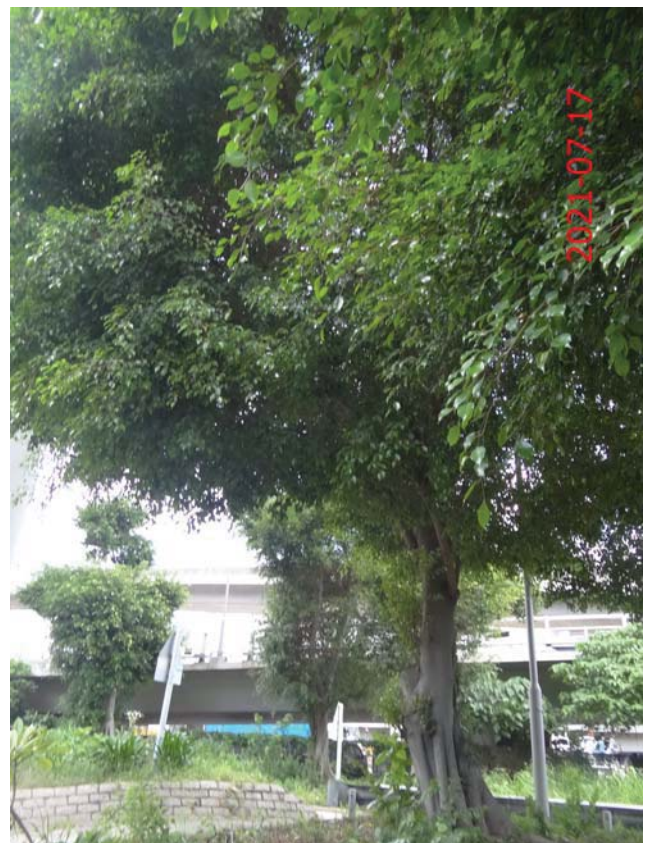
T020-A



T020-B



T020-C



T020-D



T021-A



T021-B



T021-C



T021-D

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T022-A



T022-B



T022-C



T022-D

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T023-A



T023-B



T023-C



T023-D

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T024-A



T024-B



T024-C



T024-D



T025-A



T025-B



T025-C



T025-D



T026-A



T026-B



T026-C



T026-D



T027-A



T027-B



T027-C



T027-D





T028-A



T028-B



T028-C



T028-D



T029-A



T029-B



T029-C



T029-D



T030-A



T030-B



T030-C



T030-D



T031-A



T031-B

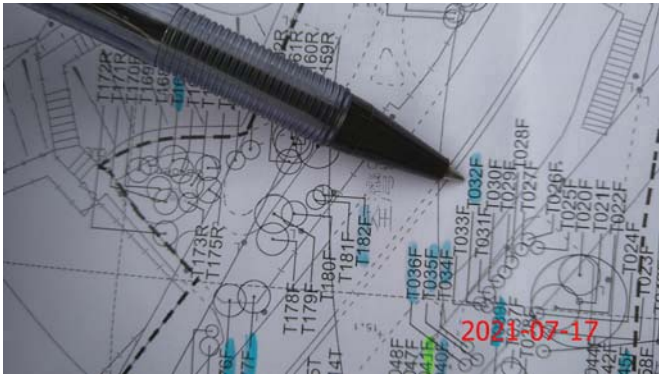


T031-C



T031-D

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T032-A



T032-B



T033-A



T033-B



T033-C



T033-D



T034-A



T034-B

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T034-C



T034-D



T035-A



T035-B



T035-C



T035-D



T036-A



T036-B





T036-C



T036-D



T037-A



T037-B



T037-C



T037-D



T038-A



T038-B



T038-C



T039-A



T039-B



T040-A



T040-B



T040-C



T040-D



T041-A



T041-B



T041-C



T041-D



T042-A



T042-B



T042-C



T042-D



T043-A



T043-B



T043-C



T043-D



T044-A



T044-B



T044-C



T044-D



T045-A





T045-B



T046-A



T046-B



T046-C



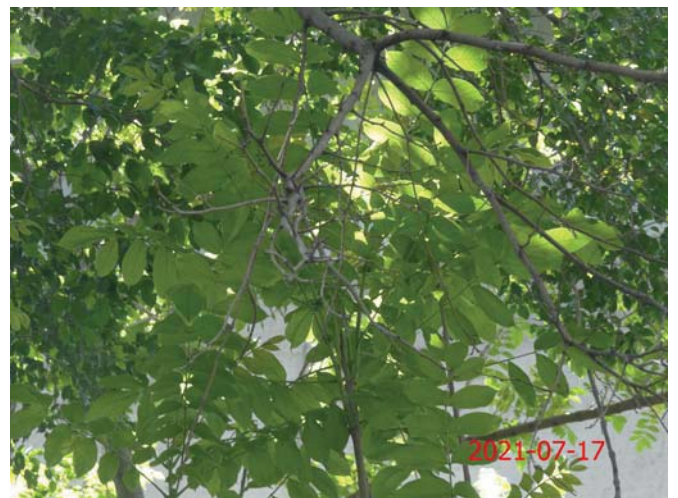
T046-D



T047-A



T047-B



T047-C



T047-D



T048-A



T048-B



T048-C



T048-D



T049-A



T049-B



T050-A



T050-B



T050-C



T050-D



T051-A



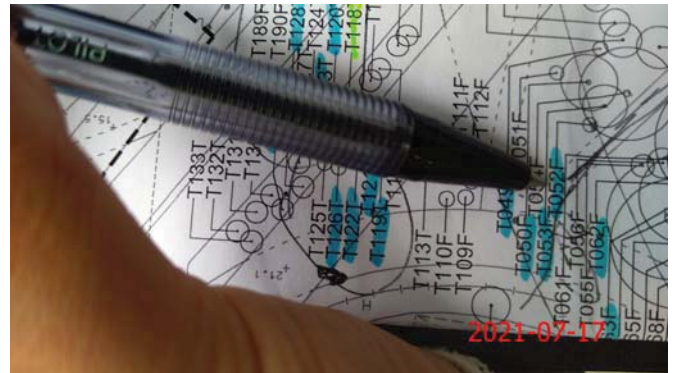
T051-B



T051-C



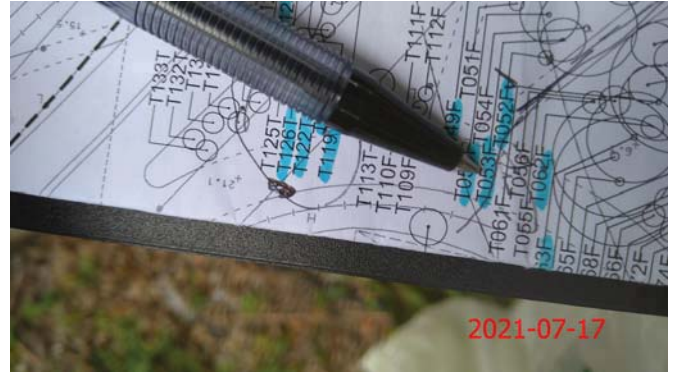
T051-D



T052-A



T052-B



T053-A



T053-B



T054-A



T054-B



T054-C



T054-D



T055-A





T055-B



T055-C



T055-D



T056-A



T056-B



T056-C



T056-D



T057-A



T057-B



T057-C



T057-D



T058-A



T058-B



T058-C



T058-D



T059-A



T059-B



T059-C



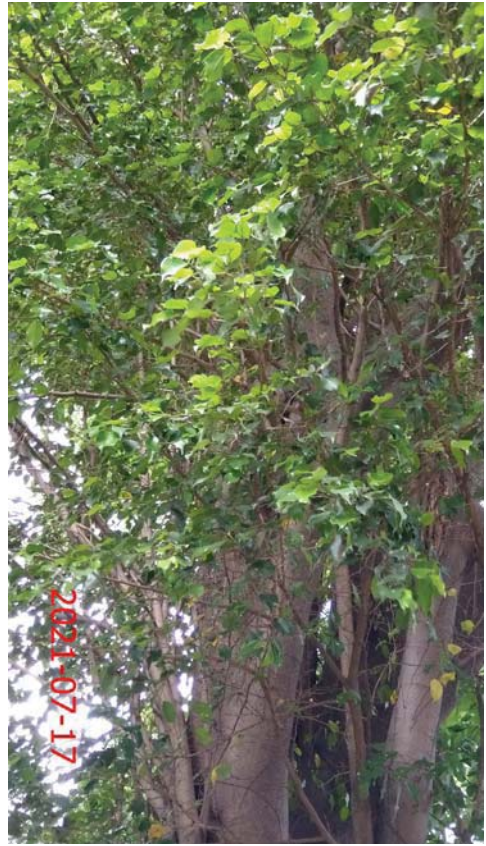
T059-D



T060-A



T060-B



T060-C



T060-D



T061-A



T061-B



T061-C



T061-D



T062-A



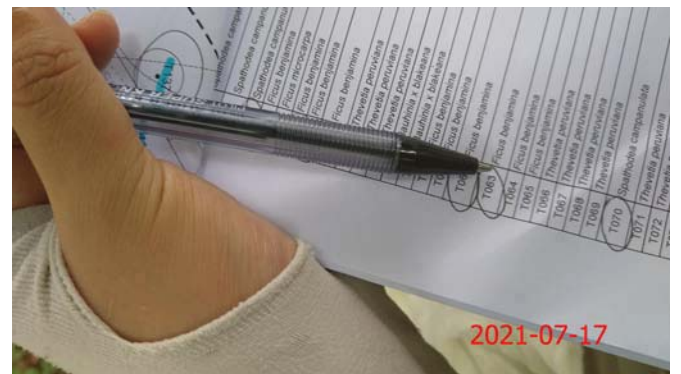
T062-B



T062-C



T062-D



T063-A





T063-B



T064-A



T064-B



T064-C



T064-D



T065-A



T065-B



T065-C



T065-D



T066-A



T066-B



T066-C



T066-D



T067-A



T067-B



T067-C



T067-D



T068-A



T068-B



T068-C



T068-D



T069-A



T069-B



T069-C

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T069-D



T070-A



T070-B



T071-A



T071-B



T071-C



T071-D



T072-A





T072-B



T072-C



T072-D



T073-A



T073-B



T073-C



T073-D



T074-A



T074-B



T074-C



T074-D



T075-A



T075-B



T075-C



T075-D



T076-A



T076-B



T076-C



T076-D



T077A



T077B



T077C



T077D



T078-A



T078-B



T078-C



T078-D



T079-A



T079-B



T079-C



T079-D



T080-A





T80-B



T80-C



T80-D



T81-A

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T081-B



T081-C



T081-D



T082-A



T082-B



T082-C



T082-D



T083-A



T083-B



T083-C



T083-D



T084-A

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T084-B



T084-C



T084-D



T085-A



T085-B



T085-C



T085-D



T086-A



T086-B



T086-C



T086-D



T087-A



T087-B



T087-C



T087-D



T088-A





T088-B



T088-C



T088-D



T089-A



T089-B



T089-C



T089-D



T090-A



T090-B



T090-C



T090-D



T091-A



T091-B



T091-C



T091-D



T092-A



T092-B



T092-C



T092-D



T093-A



T093-B



T093-C



T093-D



T094-B



T094-B



T094-C



T094-C



T095-A



T095-B



T095-C



T095-D



T096-A





T096-B



T096-C



T096-D



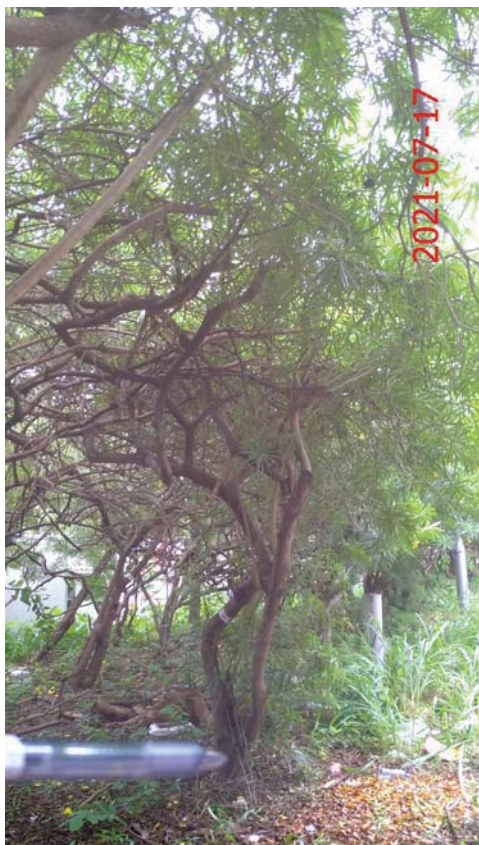
T097-A



T097-B



T097-C



T097-D



T098-A



T098-B



T098-C



T098-D



T099-A



T099-B



T099-C



T099-D



T100-A



T100-B



T100-C



T100-D



T101-A



T101-B



T101-C



T101-D



T102-A



T102-B



T102-C



T102-D



T103-A

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T103-B



T103-C



T103-D



T104-A





T104-B



T104-C



T104-D



T105-A



T105-B



T105-C



T105-D



T106-A



T106-B



T106-C



T106-D



T107-A



T107-B



T107-C



T107-D



T108-A



T108-B



T108-C



T108-D



T109-A



T109-B



T109-C



T109-D



T110-A



T110-B



T110-C



T110-D



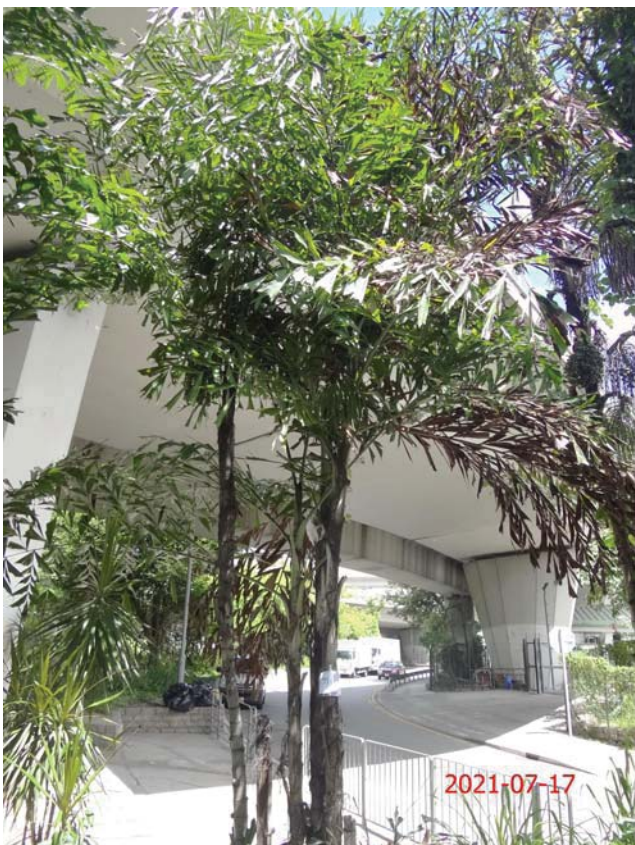
T111-A



T111-B



T111-C



T111-D



T112-A





T112-B



T112-C



T112-D



T113-A



T113-B



T113-C



T113-D



T114-A



T114-B



T115-A



T115-B



T115-C



T115-D



T116-A



T116-B



T116-C



T116-D



T117-A



T117-B



T117-C



T117-D



T118-A



T118-B



T118-C



T118-D



T119-A



T119-B



T120-A

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T120-B



T121-A



T121-B



T122-A





T122-B



T123-A



T123-B



T124-A

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T124-B



T124-C



T124-D



T125-A

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T125-B



T125-C



T125-D



T126-A



T126-B



T127-A



T127-B



T127-C



T127-D



T128-A



T128-B



T129-A



T129-B



T130-A



T130-B



T130-C



T130-D



T131-A



T131-B



T131-C



T131-D



T132-A



T132-B



T132-C





T132-D



T133-A



T133-B



T133-C



T133-D



T134-A



T134-B



T134-C



T134-D



T135-A



T135-B



T135-C



T135-D



T136-A



T136-B

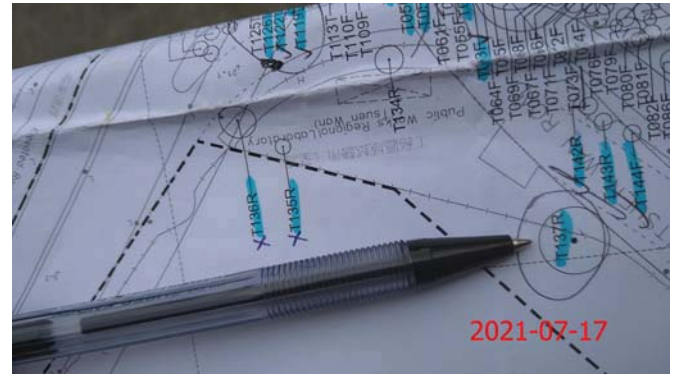


T136-C

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T136-D



T137-A



T137-B



T138-A



T138-B



T138-C



T138-D



T139-A

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T139-B



T139-C



T139-D



T140-A

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T140-B



T140-C



T140-D



T141-A



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T141-B



T141-C



T141-D



T142-A



T142-B



T142-C



T142-D



T143-A



T143-B



T143-C



T143-D



T144-A



T144-B



T144-C



T144-D



T146-A



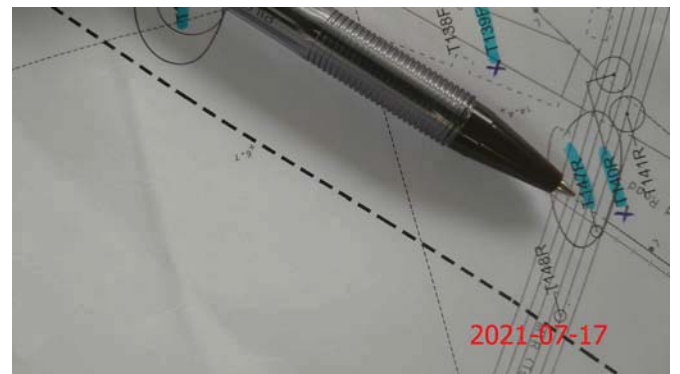
T146-B



T146-C



T146-D



T147-A



T147-B



T148-A



T148-B

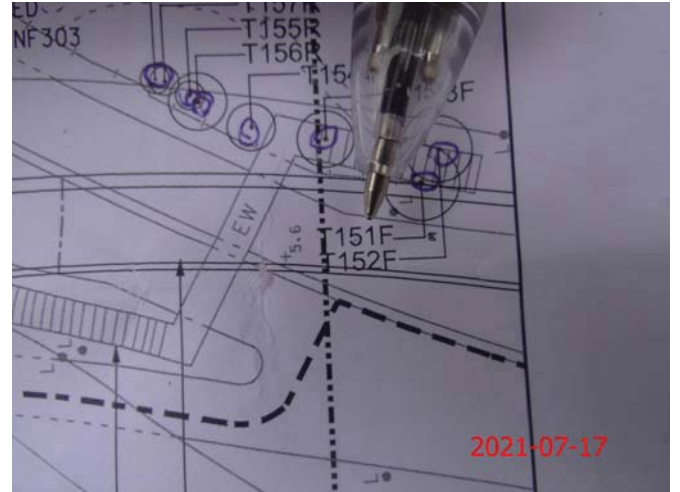


T148-C

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T148-D



T151-A



T151-B

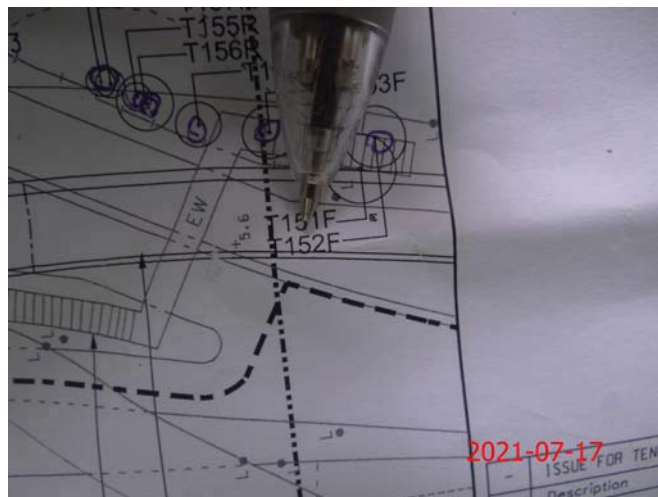


T151-C

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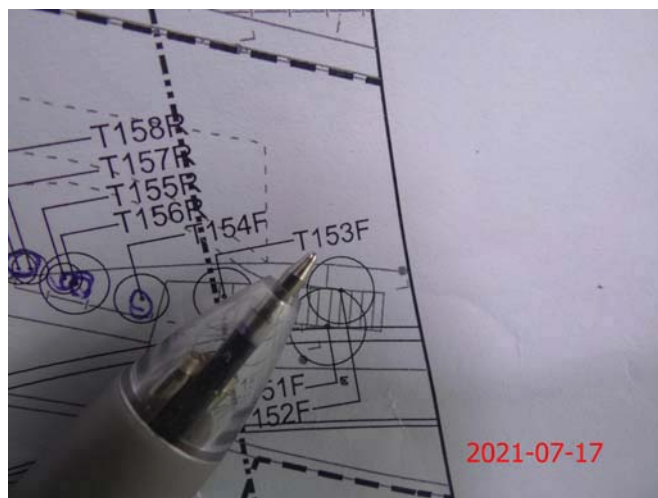
T151-D



T152-A



T152-B



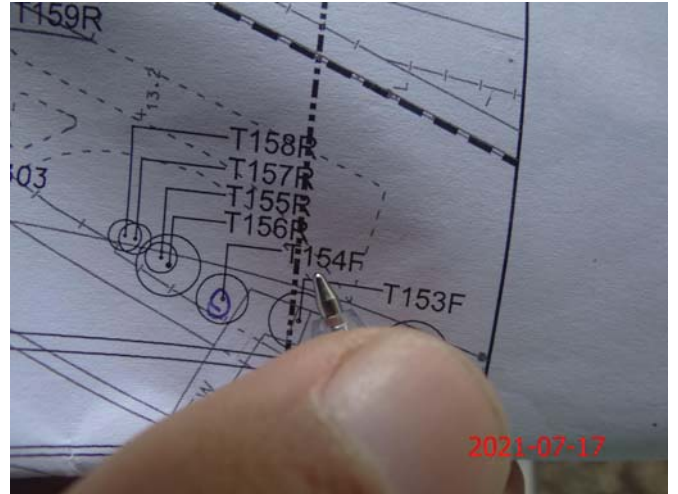
T153-A



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T153-B



T154-A



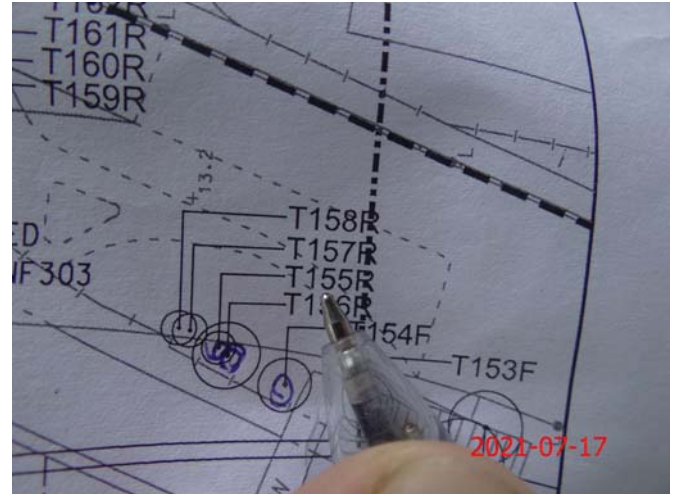
T154-B



T154-C



T154-D



T155-A



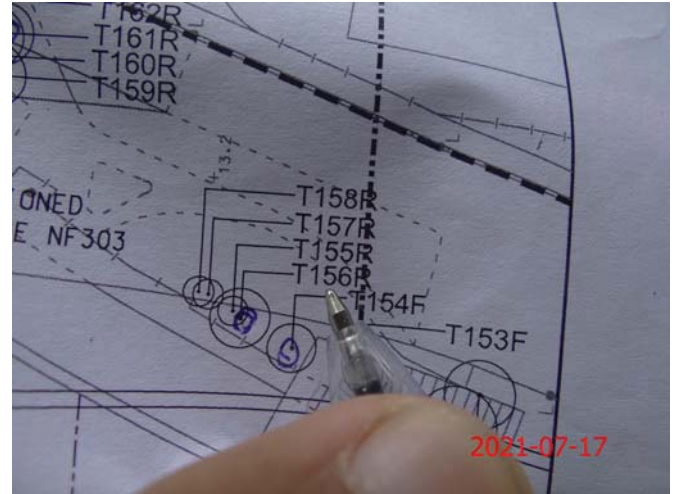
T155-B



T155-C



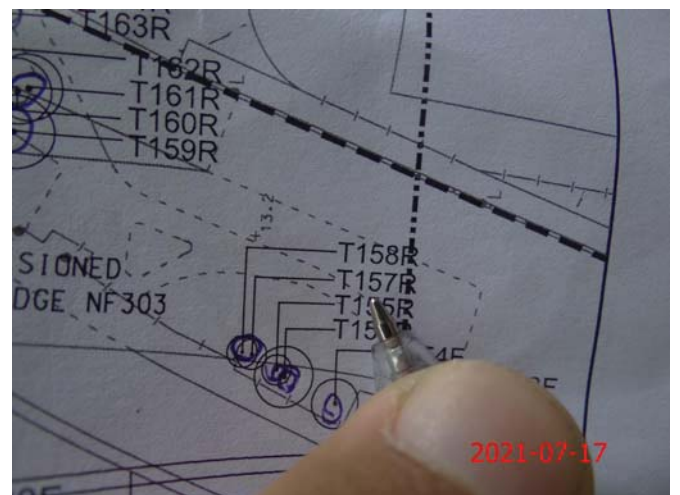
T155-D



T156-A



T156-B



T157-A

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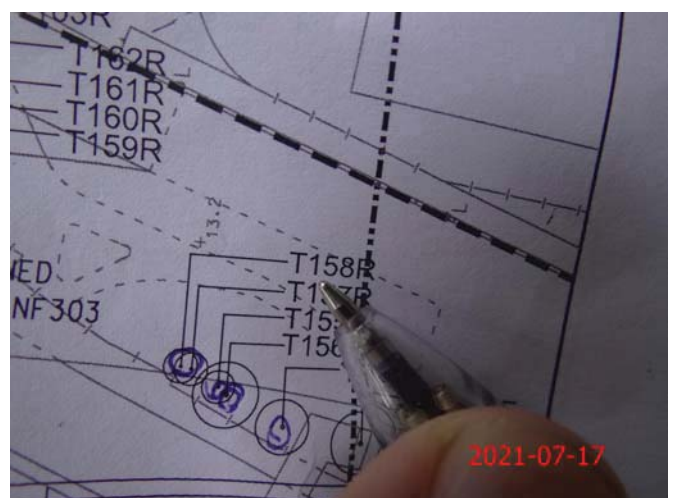
T157-B



T157-C



T157-D



T158-A

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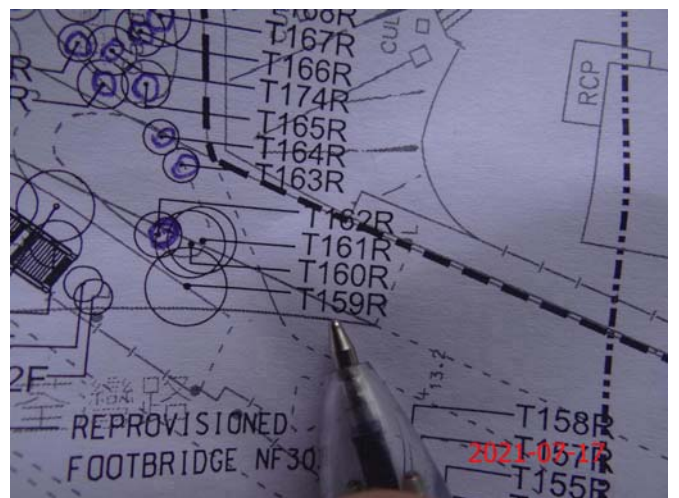
T158-B



T158-C



T158-D

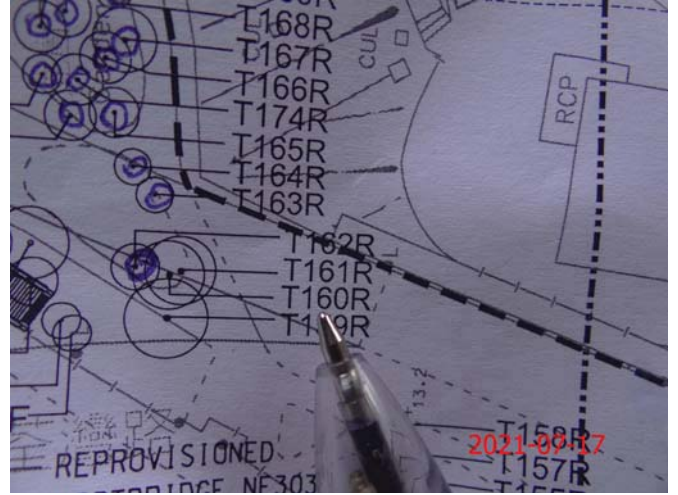


T159-A

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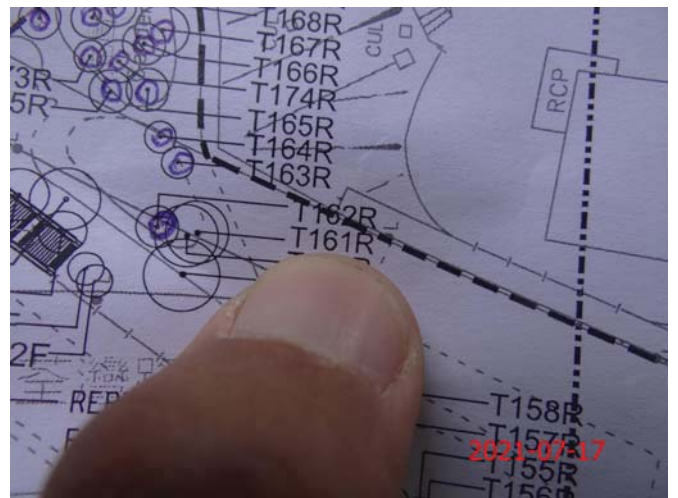
T159-B



T160-A



T160-B



T161-A

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T161-B



T162-A



T162-B



T162-C



T162-D



T163-A



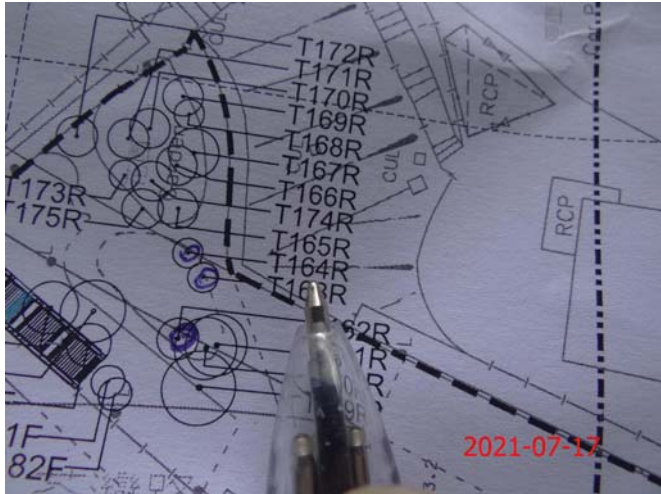
T163-B



T163-C



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T164-A



T164-B

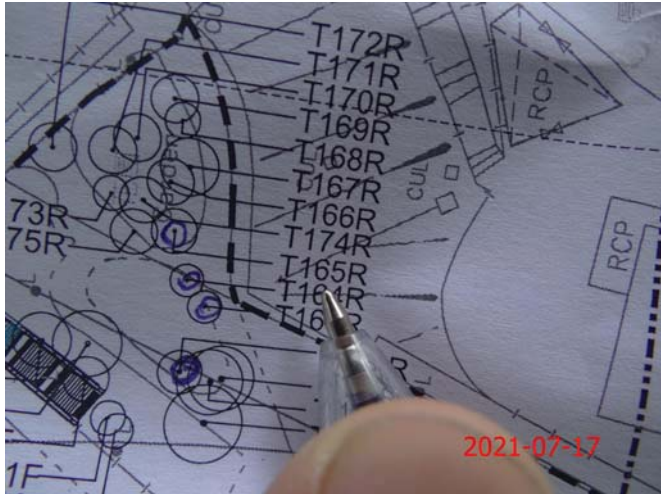


T164-C



T164-D

Contract No. HY/2020/08  
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T165-A



T165-B

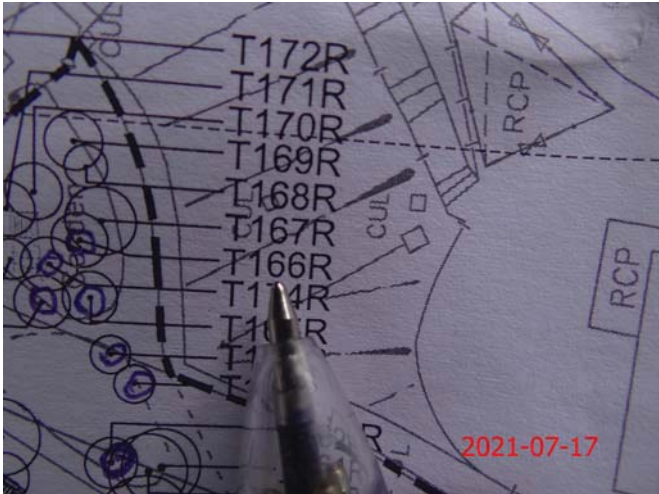


T165-C



T165-D

Contract No. HY/2020/08  
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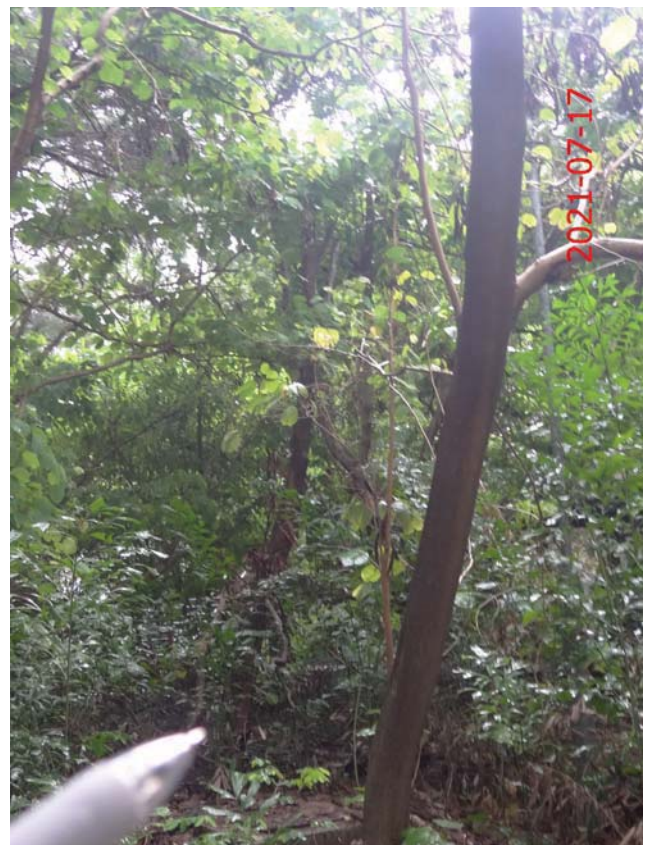
T166-A



T166-B



T166-C



T166-D



T167-A



T167-B

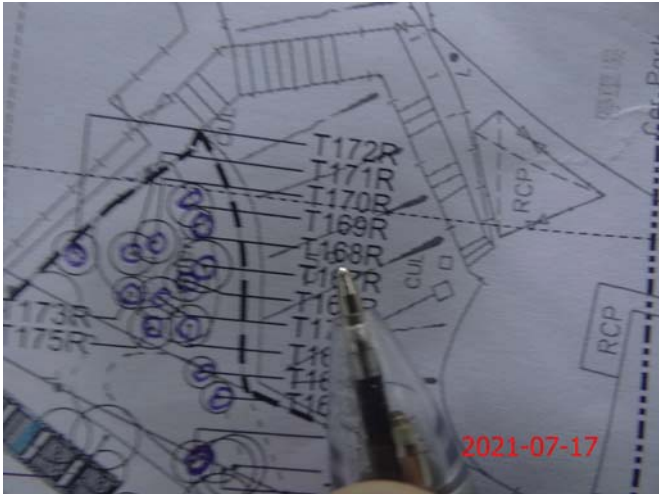


T167-C



T167-D

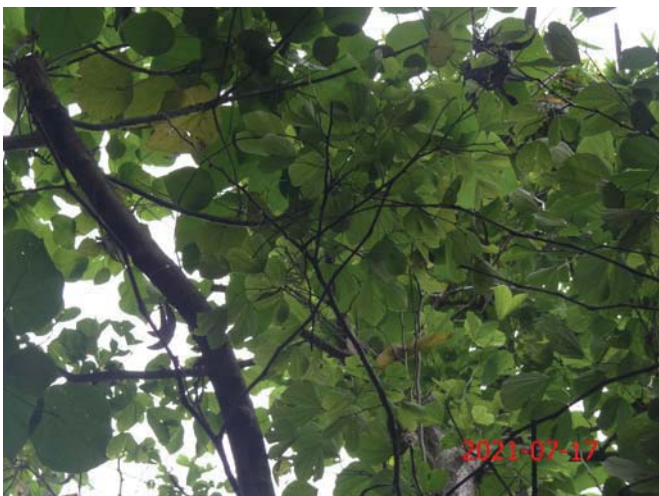
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Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road  
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T168-A



T168-B



T168-C



T168-D

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T169-A



T169-B

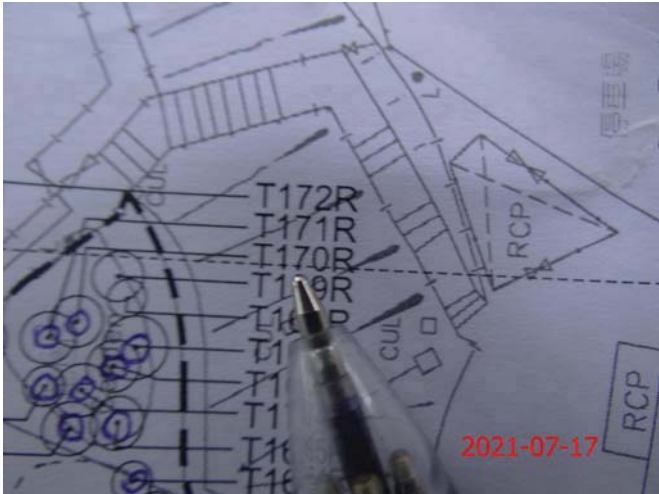


T169-C



T169-D

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T170-A



T170-B



T170-C



T170-D

Contract No. HY/2020/08  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road  
Submission of Tree Survey Report  
Ref.: C3105/21/TGD2318  
Date: 23 July 2021



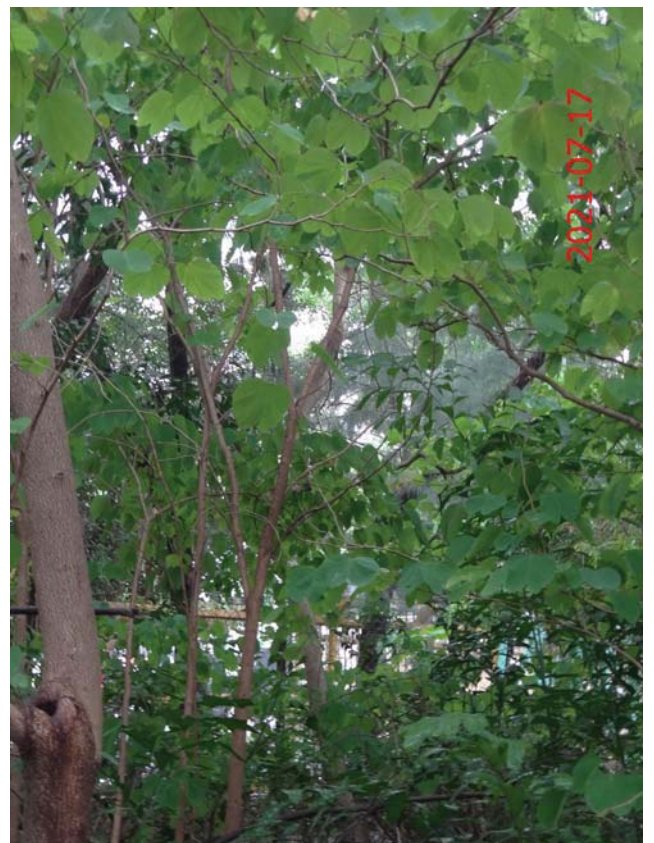
T171-A



T171-B



T171-C



T171-D



Contract No. HY/2020/08  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road  
Submission of Tree Survey Report  
Ref.: C3105/21/TGD2318  
Date: 23 July 2021



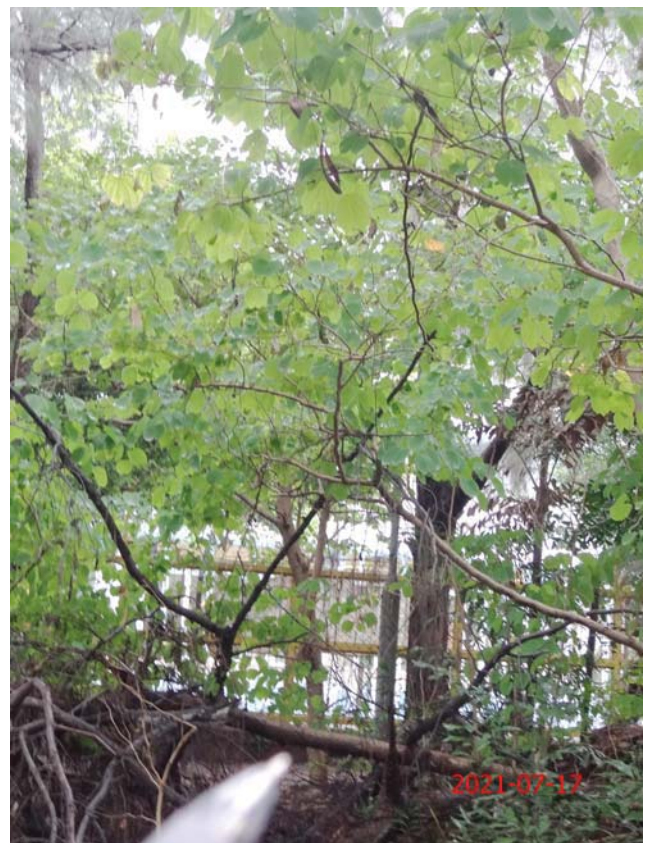
T172-A



T172-B



T172-C



T172-D

Contract No. HY/2020/08  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road  
Submission of Tree Survey Report  
Ref.: C3105/21/TGD2318  
Date: 23 July 2021



T173-A



T173-B

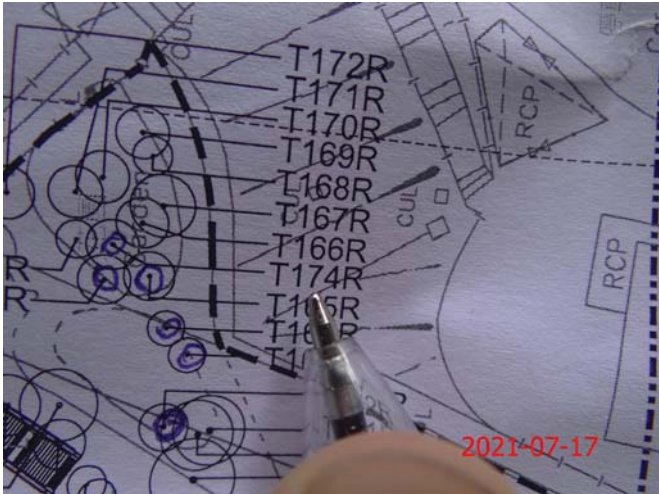


T173-C



T173-D

Contract No. HY/2020/08  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road  
Submission of Tree Survey Report  
Ref.: C3105/21/TGD2318  
Date: 23 July 2021



T174-A



T174-B



T174-C



T174-D

Contract No. HY/2020/08  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road  
Submission of Tree Survey Report  
Ref.: C3105/21/TGD2318  
Date: 23 July 2021



T175-A



T175-B



T175-C



T175-D

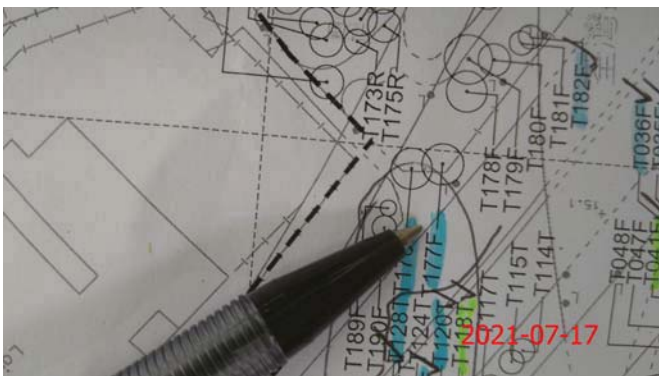
Contract No. HY/2020/08  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road  
Submission of Tree Survey Report  
Ref.: C3105/21/TGD2318  
Date: 23 July 2021



T176-A



T176-B



T177-A



T177-B



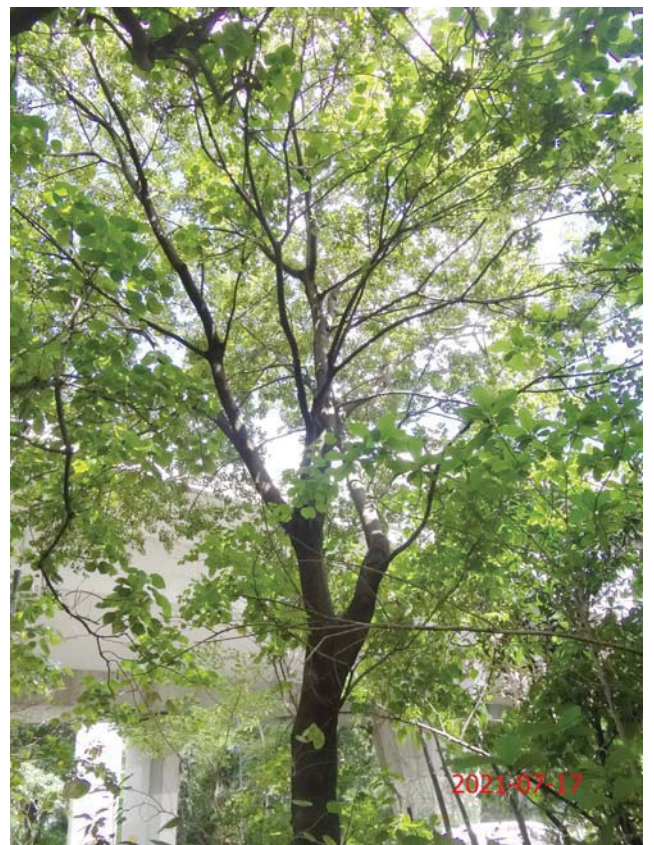
T178-A



T178-B



T178-C



T178-D



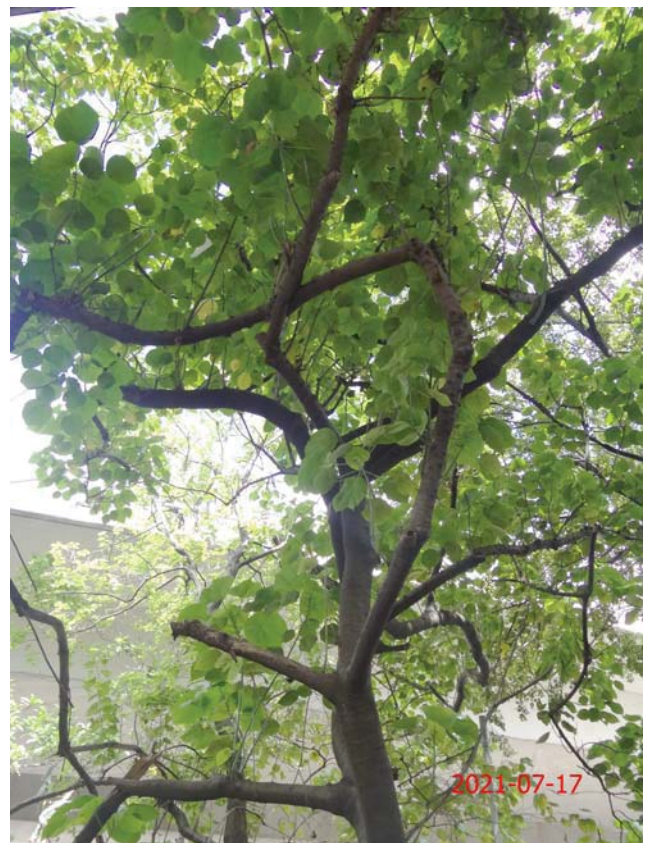
T179-A



T179-B



T179-C



T179-D



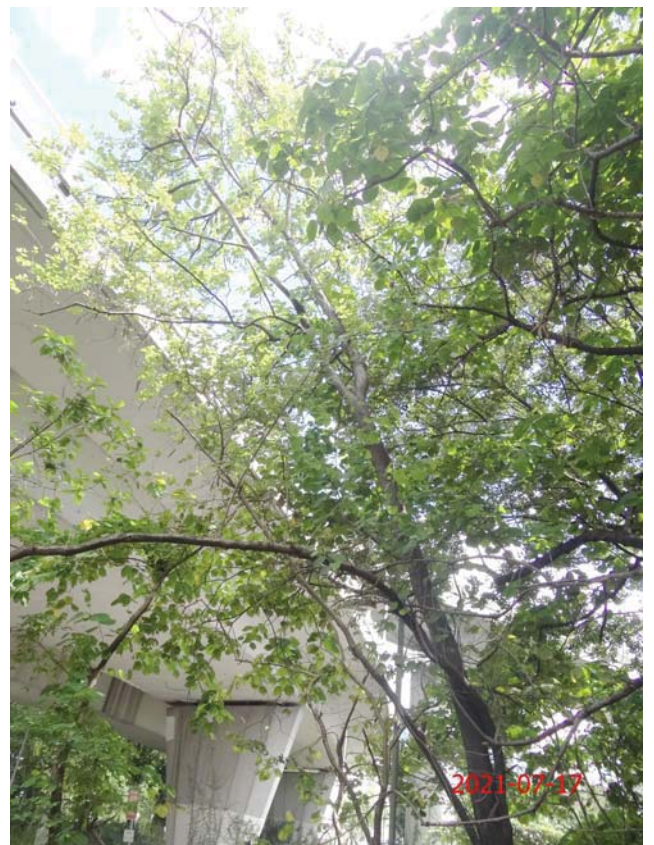
T180-A



T180-B



T180-C



T180-D





T181-A



T181-B

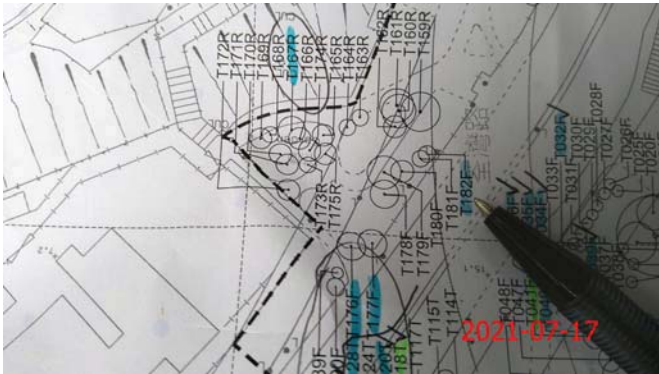


T181-C



T181-D

Contract No. HY/2020/08  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road  
Submission of Tree Survey Report  
Ref.: C3105/21/TGD2318  
Date: 23 July 2021



T182-A



T182-B



T189-A



T189-B



T189-C



T189-D



T190-A



T190-B

Contract No. HY/2020/08  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road  
Submission of Tree Survey Report  
Ref.: C3105/21/TGD2318  
Date: 23 July 2021



T190-C



T190-D

Appendix C

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**Mitigation measure reference from  
Table 5 of the Implementation  
Schedule for Landscape and Visual  
Impact extracted from EM&A  
Manual**

EIA Ref.	Mitigation Measures	Purpose	Implement agent	Location of measure	Time for implementation	Reference from Requirement / Standards
<b>Landscape and Visual Impact</b>						
S7.9.6	<p><b>For Impacts during Construction Phase:</b> Mitigation Planting</p> <ul style="list-style-type: none"> <li>• Replanting of disturbed vegetation should be undertaken at the earliest possible stage of the construction phase of the project and this should use the recommended transplant trees identified in the Tree Removal Recommendation.</li> </ul>	To avoid potential damage to these identified transplant trees	Contractor	Identified locations for tree planting	Construction Phase	Follow the relevant guidelines in the ETWB TC(W) 10/2013; ETWB TC(W)2/2004; ETWB TC(W)29/2004; ETWB TC(W)7/2002; Tree Planting and Maintenance in HK, HKSAR 1991 Relevant sections of the latest version of General Specifications for Civil Engineering Works, HKSAR
S7.9.6	<p>Development Site and Temporary Works Area</p> <ul style="list-style-type: none"> <li>• The construction area and Contractor's temporary works area should be minimized to avoid impacts on adjacent landscape</li> </ul>	To minimize potential impacts on adjacent landscape and VSRs	Contractor	Project area where appropriate	Construction Phase	N/A
	<ul style="list-style-type: none"> <li>• The landscape of these works areas will be restored following the completion of the construction phase</li> </ul>	To minimize potential impacts on	Contractor	Project area where	Construction Phase	N/A

EIA Ref.	Mitigation Measures	Purpose	Implement agent	Location of measure	Time for implementation	Reference from Requirement / Standards
		the landscape		appropriate		
	<ul style="list-style-type: none"> <li>Construction site controls shall be enforced, where possible, to ensure that the landscape and visual impacts arising from the construction phase activities are minimized including the storage of materials</li> </ul>	To minimize potential visual impacts on identified VSRs	Contractor	Project area where appropriate	Construction Phase	N/A
	<ul style="list-style-type: none"> <li>The location and appearance of site accommodation and the careful design of site lighting to prevent light spillage</li> </ul>	To minimize potential impacts on identified VSRs	Contractor	Project area where appropriate	Construction Phase	N/A
	<ul style="list-style-type: none"> <li>Screen hoarding may be a practicable for this project due to the viewing distances is short in a lot of site situation</li> </ul>	To minimize potential impacts on identified VSRs	Contractor	Project area where appropriate	Construction Phase	N/A
S7.9.6	<p><b>For Impacts during Operation Phase</b></p> <p>Roadside and Amenity Planting</p>	<p>These planting will utilize native tree species as far as possible to improve the road side planting in creating a more coherent landscape network in the area.</p>	<p>Designer and contractor to implement</p>	<p>Project area where appropriate</p>	<p>Design and Construction Phase</p>	<p>The latest version of General Specifications for Civil Engineering Works, HKSAR</p>
	<p>Enhancement of Streetscape</p>	<p>The landscape proposal should consider introducing coloured paved materials to tie with the paving theme of</p>	<p>Designer</p>	<p>Project area where appropriate</p>	<p>Design and Construction Phase</p>	<p>N/A</p>

<b>EIA Ref.</b>	<b>Mitigation Measures</b>	<b>Purpose</b>	<b>Implement agent</b>	<b>Location of measure</b>	<b>Time for implementation</b>	<b>Reference from Requirement / Standards</b>
		the Kwai Chung area				
S7.9.6	<b>Visual Impact during Operation</b>  Design of the Proposed Carriageway Structures and Associate Facilities – the carriageway structure will incorporate design features as part of design mitigation measures including choices of material, colour, and shape.	To minimise potential long term visual impact to the surrounding VSRs	Designer to implement during design	The new carriageway and associate structures	Design phase	Structural Design Manual for Highways and Railway, HyD
	Integrated Design Approach - other associated structures such as noise barrier should integrate, as far as technically feasible, with the carriageway as part of design mitigation measures to reduce the potential cumulative impact of the proposed works.	To minimize potential long term visual impact to the surrounding VSRs	Designer to implement during design	The new carriageway and associate structures	Design phase	Structural Design Manual for Highways and Railway, HyD



Appendix D

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**Tree Treatment Schedule**

## Tree Assessment Schedule

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Surveyed by: Jason Ng

Date of Tree Survey:

17/7/2021

**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T020	Ficus benjamina	垂葉榕	11.5	578	6.5	Fair	Fair	Fair	Fair	Low	Fell	
T021	Ficus benjamina	垂葉榕	14.0	520	15.0	Fair	Fair	Fair	Fair	Low	Fell	Co-domainant trunk
T022	Ficus benjamina	垂葉榕	10.0	442	8.0	Fair	Fair	Fair	Fair	Low	Fell	
T023	Caryota mitis	短穗魚尾葵(小魚尾葵)	4.3	200	2.4	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T024	Caryota mitis	短穗魚尾葵(小魚尾葵)	4.0	206	2.0	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T025	Plumeria rubra	雞蛋花	2.5	116	2.6	Fair	Fair	Fair	Fair	Medium	Fell	
T026	Plumeria rubra	雞蛋花	2.4	180	2.5	Fair	Fair	Fair	Fair	Medium	Fell	
T027	Plumeria rubra	雞蛋花	2.4	115	2.6	Fair	Fair	Fair	Fair	Medium	Fell	
T028	Plumeria rubra	雞蛋花	2.6	12	2.8	Poor	Poor	Fair	Poor	Medium	Fell	
T029	Plumeria rubra	雞蛋花	2.3	113	2.5	Poor	Fair	Fair	Poor	Medium	Fell	Leaning
T030	Plumeria rubra	雞蛋花	2.5	105	2.6	Fair	Fair	Fair	Fair	Medium	Fell	Leaning
T031	Plumeria rubra	雞蛋花	2.3	140	2.4	Fair	Fair	Fair	Fair	Medium	Fell	
T032	Plumeria rubra	雞蛋花	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T033	Plumeria rubra	雞蛋花	2.4	128	2.5	Fair	Fair	Fair	Fair	Medium	Fell	
T034	Caryota mitis	短穗魚尾葵(小魚尾葵)	4.3	201	2.6	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T035	Caryota mitis	短穗魚尾葵(小魚尾葵)	5.4	211	2.3	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T036	Caryota mitis	短穗魚尾葵(小魚尾葵)	4.5	180	2.5	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T037	Spathodea campanulata	火焰木	5.4	111	3.5	Fair	Fair	Fair	Fair	Medium	Fell	Bending
T038	Morus alba	桑	7.4	215	5.3	Fair	Fair	Fair	Fair	Medium	Fell	
T039	Spathodea campanulata	火焰木	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T040	Spathodea campanulata	火焰木	8.0	226	3.0	Fair	Fair	Fair	Fair	Medium	Fell	
T041	Morus alba	桑	6.2	130	4.3	Fair	Fair	Fair	Fair	Medium	Fell	
T042	Bauhinia purpurea	紅花羊蹄甲	5.3	125	3.4	Poor	Poor	Poor	Poor	Poor	Fell	Topped
T043	Spathodea campanulata	火焰木	5.4	110	2.3	Poor	Fair	Poor	Poor	Medium	Fell	Leaning
T044	Caryota mitis	短穗魚尾葵(小魚尾葵)	4.3	112	2.4	Fair	Fair	Fair	Fair	Medium	Fell	
T045	Bauhinia blakeana	洋紫荊	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T046	Bauhinia blakeana	洋紫荊	5.4	234	6.4	Poor	Fair	Fair	Poor	Medium	Fell	
T047	Spathodea campanulata	火焰木	7.4	156	4.4	Poor	Fair	Poor	Poor	Low	Fell	Bending
T048	Spathodea campanulata	火焰木	7.3	205	5.3	Fair	Fair	Poor	Fair	Low	Fell	Leaning
T049	Spathodea campanulata	火焰木	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T050	Ficus benjamina	垂葉榕	11.2	379	8.2	Fair	Poor	Fair	Fair	Medium	Fell	
T051	Ficus microcarpa	榕樹(細葉榕)	4.0	111	2.0	Fair	Fair	Fair	Fair	Medium	Fell	
T052	Ficus benjamina	垂葉榕	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T053	Ficus benjamina	垂葉榕	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T054	Ficus benjamina	垂葉榕	13.4	670	13.4	Fair	Fair	Fair	Fair	Low	Fell	Co-domainant branches
T055	Thevetia peruviana	黃花夾竹桃	4.5	113	3.5	Fair	Fair	Fair	Poor	Medium	Fell	Leaning
T056	Thevetia peruviana	黃花夾竹桃	5.5	144	4.5	Fair	Fair	Fair	Fair	Medium	Fell	Bending

## Tree Assessment Schedule

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Surveyed by: Jason Ng

Date of Tree Survey:

17/7/2021

**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T057	Thevetia peruviana	黃花夾竹桃	4.5	148	5.5	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T058	Bauhinia blakeana	洋紫荊	8.6	216	6.4	Fair	Fair	Fair	Fair	Medium	Fell	
T059	Bauhinia blakeana	洋紫荊	10.4	290	5.4	Fair	Fair	Fair	Fair	Medium	Fell	
T060	Ficus benjamina	垂葉榕	12.4	641	18.3	Fair	Fair	Fair	Fair	Low	Fell	
T061	Ficus benjamina	垂葉榕	11.5	440	10.4	Fair	Fair	Fair	Fair	Low	Fell	
T062	Ficus benjamina	垂葉榕	7.5	302	3.5	Poor	Poor	Fair	Poor	Low	Fell	trunk,topped
T063	Ficus benjamina	垂葉榕	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T064	Ficus benjamina	垂葉榕	12.5	610	16.5	Fair	Fair	Fair	Fair	Medium	Fell	
T065	Ficus benjamina	垂葉榕	12.4	546	17.3	Fair	Fair	Fair	Fair	Medium	Fell	
T066	Thevetia peruviana	黃花夾竹桃	4.0	180	3.0	Fair	Poor	Fair	Poor	Medium	Fell	Multi trunk
T067	Thevetia peruviana	黃花夾竹桃	3.4	168	4.3	Fair	Poor	Fair	Poor	Medium	Fell	Multi trunk
T068	Thevetia peruviana	黃花夾竹桃	3.5	143	3.4	Fair	Poor	Fair	Poor	Medium	Fell	Multi trunk
T069	Thevetia peruviana	黃花夾竹桃	3.4	138	4.3	Fair	Poor	Fair	Poor	Medium	Fell	Multi trunk
T070	Spathodea campanulata	火焰木	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T071	Thevetia peruviana	黃花夾竹桃	4.3	130	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T072	Thevetia peruviana	黃花夾竹桃	3.4	139	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T073	Spathodea campanulata	火焰木	6.4	147	3.3	Poor	Fair	Fair	Poor	Medium	Fell	
T074	Thevetia peruviana	黃花夾竹桃	3.4	179	4.3	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T075	Thevetia peruviana	黃花夾竹桃	2.4	145	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T076	Thevetia peruviana	黃花夾竹桃	3.4	166	2.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T077	Thevetia peruviana	黃花夾竹桃	3.5	156	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Cross branches,Multi trunk
T078	Spathodea campanulata	火焰木	5.4	146	3.4	Poor	Fair	Fair	Poor	Medium	Fell	
T079	Spathodea campanulata	火焰木	5.3	157	4.5	Poor	Fair	Fair	Poor	Medium	Fell	
T080	Thevetia peruviana	黃花夾竹桃	3	137	4.0	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T081	Spathodea campanulata	火焰木	5.4	164	3.4	Poor	Fair	Fair	Poor	Medium	Fell	
T082	Thevetia peruviana	黃花夾竹桃	3.4	160	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T083	Thevetia peruviana	黃花夾竹桃	3.5	147	2.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T084	Spathodea campanulata	火焰木	5.5	190	3.5	Fair	Fair	Fair	Fair	Medium	Fell	
T085	Thevetia peruviana	黃花夾竹桃	3.5	154	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T086	Spathodea campanulata	火焰木	6.4	184	4.4	Fair	Fair	Fair	Fair	Medium	Fell	
T087	Spathodea campanulata	火焰木	4.4	119	2.3	Poor	Fair	Fair	Poor	Medium	Fell	Leaning
T088	Thevetia peruviana	黃花夾竹桃	3.4	146	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T089	Thevetia peruviana	黃花夾竹桃	4.4	115	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T090	Thevetia peruviana	黃花夾竹桃	2.4	137	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T091	Spathodea campanulata	火焰木	6.4	183	4.3	Fair	Fair	Fair	Fair	Medium	Fell	
T092	Spathodea campanulata	火焰木	6.4	179	4.4	Fair	Fair	Fair	Fair	Medium	Fell	Co-dominant trunk
T093	Thevetia peruviana	黃花夾竹桃	3.4	154	3.3	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk

## Tree Assessment Schedule

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Surveyed by: Jason Ng

Date of Tree Survey:

17/7/2021

## Tree Survey Schedule

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T094	<i>Spathodea campanulata</i>	火焰木	5.4	174	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Cross branches
T095	<i>Thevetia peruviana</i>	黃花夾竹桃	3.5	167	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T096	<i>Thevetia peruviana</i>	黃花夾竹桃	3.4	167	4.5	Poor	Fair	Fair	Poor	Medium	Fell	Cross branches,Multi trunk
T097	<i>Thevetia peruviana</i>	黃花夾竹桃	3.4	146	4.3	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T098	<i>Thevetia peruviana</i>	黃花夾竹桃	2.5	134	2.4	Poor	Fair	Fair	Poor	Medium	Fell	Co-dominant trunk
T099	<i>Spathodea campanulata</i>	火焰木	5.5	140	3.5	Poor	Fair	Fair	Poor	Medium	Fell	
T100	<i>Thevetia peruviana</i>	黃花夾竹桃	3.4	156	3.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T101	<i>Thevetia peruviana</i>	黃花夾竹桃	3.6	176	2.6	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T102	<i>Thevetia peruviana</i>	黃花夾竹桃	4.5	215	5.5	Poor	Fair	Fair	Poor	Medium	Fell	Co-dominant trunk
T103	<i>Thevetia peruviana</i>	黃花夾竹桃	4.4	136	4.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T104	<i>Thevetia peruviana</i>	黃花夾竹桃	4.6	130	3.6	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T105	<i>Spathodea campanulata</i>	火焰木	7.4	350	6.5	Fair	Fair	Fair	Fair	Medium	Fell	
T106	<i>Livistona chinensis</i>	蒲葵	4.4	170	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	Bending
T107	<i>Livistona chinensis</i>	蒲葵	5.4	230	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T108	<i>Livistona chinensis</i>	蒲葵	4.4	230	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T109	<i>Caryota mitis</i>	短穗魚尾葵(小魚尾葵)	5	160	2.4	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T110	<i>Caryota mitis</i>	短穗魚尾葵(小魚尾葵)	3.3	180	2.3	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T111	<i>Caryota mitis</i>	短穗魚尾葵(小魚尾葵)	3.5	145	2.5	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T112	<i>Caryota mitis</i>	短穗魚尾葵(小魚尾葵)	6.0	210	2.0	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T113	<i>Lagerstroemia speciosa</i>	大花紫薇	7	170	4.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T114	<i>Lagerstroemia speciosa</i>	大花紫薇	-	-	-	-	-	-	-	-	Transplant	Tree was felled before site access
T115	<i>Lagerstroemia speciosa</i>	大花紫薇	5.4	135	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T116	<i>Lagerstroemia speciosa</i>	大花紫薇	6	110	3.6	Fair	Fair	Fair	Low	Medium	Transplant	
T117	<i>Lagerstroemia speciosa</i>	大花紫薇	5.5	132	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T118	<i>Lagerstroemia speciosa</i>	大花紫薇	4.5	115	2.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T119	<i>Lagerstroemia speciosa</i>	大花紫薇	-	-	-	-	-	-	-	-	Transplant	Tree was felled before site access
T120	<i>Lagerstroemia speciosa</i>	大花紫薇	-	-	-	-	-	-	-	-	Transplant	Tree was felled before site access
T121	<i>Lagerstroemia speciosa</i>	大花紫薇	-	-	-	-	-	-	-	-	Transplant	Tree was felled before site access
T122	<i>Lagerstroemia speciosa</i>	大花紫薇	-	-	-	-	-	-	-	-	Transplant	Tree was felled before site access
T123	<i>Lagerstroemia speciosa</i>	大花紫薇	-	-	-	-	-	-	-	-	Transplant	Tree was felled before site access
T124	<i>Melaleuca cajuputi</i>	白千層	5.6	226	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T125	<i>Lagerstroemia speciosa</i>	大花紫薇	4.5	110	2.5	Fair	Fair	Fair	Fair	Medium	Transplant	Bending
T126	<i>Lagerstroemia speciosa</i>	大花紫薇	-	-	-	-	-	-	-	-	Transplant	Tree was felled before site access
T127	<i>Melaleuca cajuputi</i>	白千層	7.4	279	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T128	<i>Lagerstroemia speciosa</i>	大花紫薇	-	-	-	-	-	-	-	-	Transplant	Tree was felled before site access
T129	<i>Lagerstroemia speciosa</i>	大花紫薇	-	-	-	-	-	-	-	-	Transplant	Tree was felled before site access
T130	<i>Melaleuca cajuputi</i>	白千層	8.7	327	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	

## Tree Assessment Schedule

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Surveyed by: Jason Ng

Date of Tree Survey:

17/7/2021

**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T131	Melaleuca cajuputi	白千層	7.5	349	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T132	Melaleuca cajuputi	白千層	6.7	231	3.6	Fair	Fair	Fair	Fair	Medium	Transplant	
T133	Lagerstroemia speciosa	大花紫薇	3.6	101	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T134	Artocarpus heterophyllus	菠蘿蜜	5.6	173	5.5	Fair	Fair	Fair	Fair	Medium	Retain	
T135	Plumeria rubra	雞蛋花	3.6	129	3.8	Fair	Fair	Fair	Fair	Medium	Retain	Multi trunk
T136	Dimocarpus longan	龍眼	8.5	335	7.4	Fair	Fair	Fair	Fair	Low	Retain	Co-dominant trunk
T137	Albizia lebbeck	大葉合歡	-	-	-	-	-	-	-	-	Retain	Tree was missing
T138	Bougainvillea spectabilis	光葉子花(籐杜鵑)	3.4	116	2.5	Poor	Fair	Fair	Poor	Medium	Fell	
T139	Psidium guajava	番石榴	4.4	170	2.5	Poor	Poor	Poor	Low	Medium	Fell	Co-dominant branches
T140	Ficus virens	大葉榕(黃葛樹)	9.4	440	6.5	Fair	Fair	Fair	Fair	Low	Retain	
T141	Ficus microcarpa	榕樹(細葉榕)	7.5	235	6.5	Fair	Fair	Fair	Fair	Low	Retain	
T142	Bombax ceiba	木棉	6.3	163	3.4	Fair	Fair	Fair	Fair	Medium	Retain	
T143	Celtis sinensis	朴樹	7.4	170	3.5	Fair	Fair	Fair	Fair	Medium	Retain	
T144	Plumeria rubra	雞蛋花	3.6	155	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Leaning
T146	Ficus religiosa	菩提樹	5.6	140	3.5	Fair	Fair	Fair	Fair	Low	Retain	
T147	Chukrasia tabularis	麻棟	-	-	-	-	-	-	-	-	Retain	Tree was felled before site access
T148	Macaranga tanarius	血桐	3.6	245	2.5	Fair	Fair	Fair	Fair	Low	Retain	Multi trunk
T151	Ficus virens	大葉榕(黃葛樹)	16	1000	12	Fair	Fair	Fair	Fair	Low	Fell	
T152	Leucaena leucocephala	銀合歡	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T153	Bauhinia variegata	宮粉羊蹄甲	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T154	Ficus hispida	對葉榕(牛乳樹)	9	260	8	Poor	Fair	Poor	Poor	Medium	Fell	
T155	Melia azedarach	棟(苦棟)	14	330	8	Fair	Fair	Fair	Fair	Medium	Retain	
T156	Leucaena leucocephala	銀合歡	-	-	-	-	-	-	-	-	Retain	Tree was felled before site access
T157	Bauhinia variegata	宮粉羊蹄甲	10	140	5	Fair	Fair	Fair	Fair	Medium	Retain	
T158	Bauhinia variegata	宮粉羊蹄甲	10	190	5	Fair	Fair	Fair	Fair	Medium	Retain	
T159	Bauhinia variegata	宮粉羊蹄甲	-	-	-	-	-	-	-	-	Retain	Tree was felled before site access
T160	Bauhinia acuminata	白花羊蹄甲	-	-	-	-	-	-	-	-	Retain	Tree was felled before site access
T161	Macaranga tanarius	血桐	-	-	-	-	-	-	-	-	Retain	Tree was felled before site access
T162	Bauhinia purpurea	紅花羊蹄甲	9	150	6	Fair	Fair	Fair	Fair	Medium	Retain	
T163	Bauhinia purpurea	紅花羊蹄甲	7	118	4	Poor	Fair	Fair	Poor	Medium	Retain	Dread branches
T164	Bauhinia purpurea	紅花羊蹄甲	9	130	4	Poor	Fair	Fair	Poor	Medium	Retain	
T165	Bauhinia purpurea	紅花羊蹄甲	10	280	6	Fair	Fair	Fair	Fair	Medium	Retain	
T166	Casuarina equisetifolia	木麻黃	10.4	230	4.3	Fair	Fair	Fair	Fair	Medium	Retain	
T167	Macaranga tanarius	血桐	9	260	7	Fair	Fair	Fair	Fair	Low	Retain	
T168	Bauhinia purpurea	紅花羊蹄甲	9	160	4	Fair	Fair	Fair	Fair	Low	Retain	
T169	Bauhinia purpurea	紅花羊蹄甲	8	170	4	Poor	Poor	Poor	Poor	Low	Retain	Fallen Tree
T170	Bauhinia purpurea	紅花羊蹄甲	8	130	4	Fair	Fair	Fair	Fair	Medium	Retain	Leaning

## Tree Assessment Schedule

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

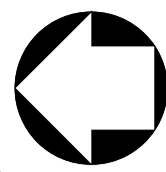
Surveyed by: Jason Ng

Date of Tree Survey:

17/7/2021

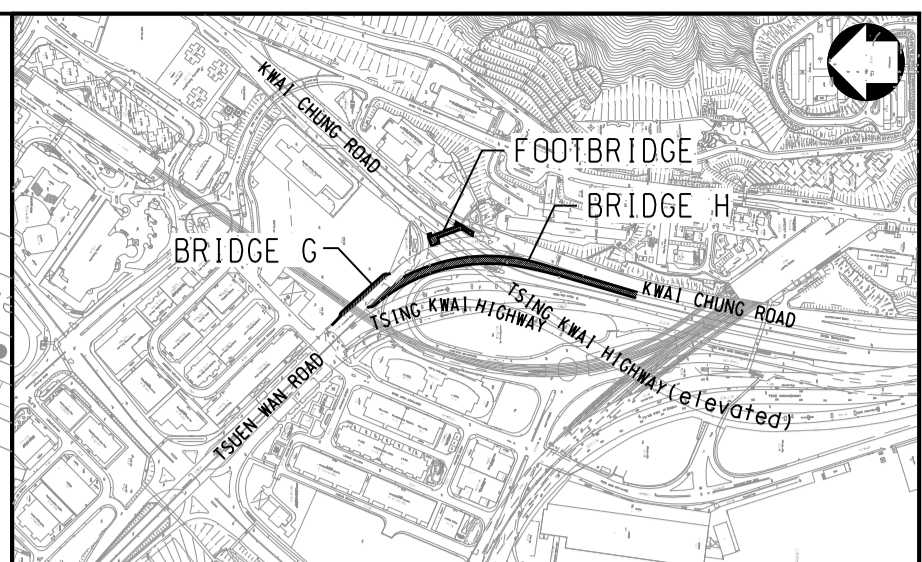
**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T171	Bauhinia purpurea	紅花羊蹄甲	7	130	4	Fair	Fair	Fair	Fair	Medium	Retain	
T172	Bauhinia purpurea	紅花羊蹄甲	7	120	4	Fair	Fair	Fair	Fair	Low	Retain	
T173	Bauhinia purpurea	紅花羊蹄甲	8	110	4	Fair	Fair	Fair	Fair	Medium	Retain	
T174	Bauhinia purpurea	紅花羊蹄甲	10	220	6	Fair	Fair	Fair	Fair	Medium	Retain	
T175	Bauhinia purpurea	紅花羊蹄甲	10	250	6	Poor	Fair	Fair	Poor	Low	Retain	
T176	Macaranga tanarius	血桐	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T177	Bauhinia purpurea	紅花羊蹄甲	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T178	Celtis sinensis	朴樹	7.4	276	5.3	Fair	Fair	Fair	Fair	Low	Fell	
T179	Macaranga tanarius	血桐	8.4	243	6.5	Fair	Fair	Fair	Fair	Low	Fell	Dead branches
T180	Bauhinia variegata	宮粉羊蹄甲	8.4	215	4.5	Fair	Fair	Fair	Fair	Medium	Fell	
T181	Ficus hispida	對葉榕(牛乳樹)	5.4	127	3.5	Fair	Fair	Fair	Poor	Low	Fell	
T182	Leucaena leucocephala	銀合歡	-	-	-	-	-	-	-	-	Fell	Tree was felled before site access
T189	Caryota mitis	短穗魚尾葵(小魚尾葵)	5.4	111	2.4	Fair	Fair	Fair	Fair	Medium	Fell	
T190	Caryota mitis	短穗魚尾葵(小魚尾葵)	5	321	3	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk



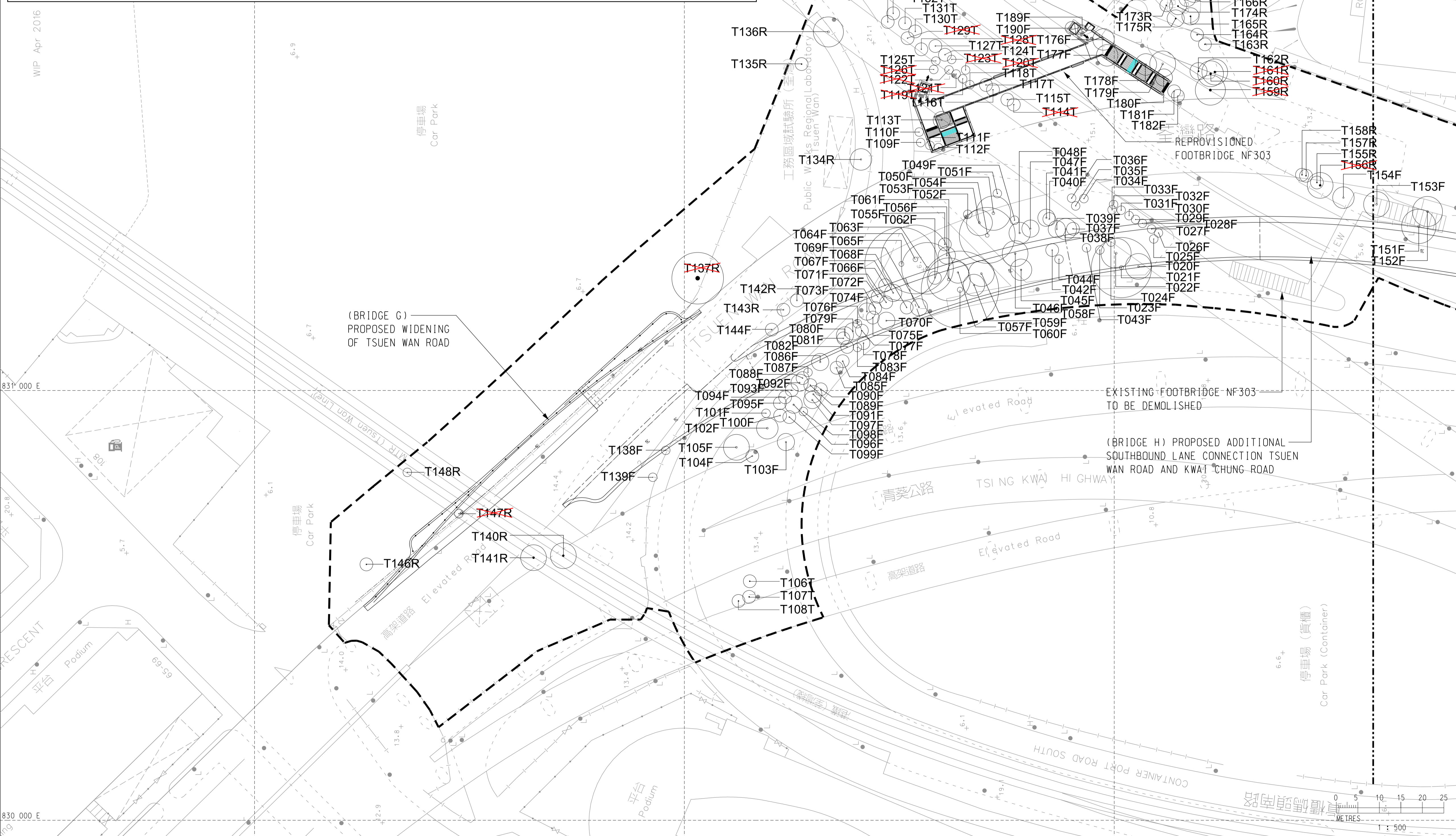
	NUMBER OF TREE	TREE SPECIES
TO BE RETAINED	32 (25) <sup>1</sup>	ALBIZIA LEBBECK, ARTOCARPUS HETEROPHYLLUS, BAUHINIA PURPUREA, BAUHINIA VARIEGATA VAR. CANDIDA, BOMBAX CEIBA, CASUARINA EQUISETIFOLIA, CELTIS SINENSIS, DIMOCARPUS LONGAN, FICUS MICROCARPA, FICUS RELIGIOSA, FICUS VIRENS VAR. SUBLANCEOLATA, HETEROPANAX FRAGRANS, LEUCAENA LEUCOCEPHALA, MACARANGA TANARIUS, MELIA AZEDARACH, PLUMERIA RUBRA
TO BE FELLED	106	BAUHINIA PURPUREA, BAUHINIA X BLAKEANA, BOUGAINVILLEA SPECTABILIS, CARYOTA MITIS, CELTIS SINENSIS, FICUS BENJAMINA, FICUS HISPIDA, FICUS MICROCARPA, FICUS VIRENS VAR. SUBLANCEOLATA, LEUCAENA LEUCOCEPHALA, MACARANGA TANARIUS, MORUS ALBA, PLUMERIA RUBRA, PSIDIUM GUAJAVA, SPATHODEA CAMPANULATA, THEVETIA PERUVIANA
TO BE TRANSPLANTED	24 (15) <sup>2</sup>	LIVISTONA CHINENSIS, LAGERSTROEMIA SPECIOSA, MELALEUCA CAJUPUTI SUBSP. CUMINGIANA

**Note:**  
 1. Contractor conducted a tree survey inspection on 17 July 2021. 7 nos. of trees to be retained (i.e. T137, T147, T156, T159, T160, T161 and T169) were reported that they were felled before site access. Hence, 25 nos. of trees would be retained.  
 2. Contractor conducted a tree survey inspection on 17 July 2021. 9 nos. of trees to be transplanted (i.e. T114, T119 – T123, T126, T128 and T129) were reported that they were felled before site access. Hence, 15 nos. of trees would be transplanted.



**KEY PLAN**

- LEGEND :**
- LIMIT OF WORKS SITE (AT GROUND LEVEL)
  - ☒ PROPOSED LIFT
  - EXISTING TREE
  - R TREE TO BE RETAINED
  - F TREE TO BE FELLED
  - T TREE TO BE TRANSPLANTED



-	ISSUE FOR TENDER	EW	01/21
Rev	Description	By	Date

Consultant  


Project title  
 CONTRACT NO. HY/2020/08  
 FLYOVER FROM KWAI TSING INTERCHANGE  
 UPRAMP TO KWAI CHUNG ROAD

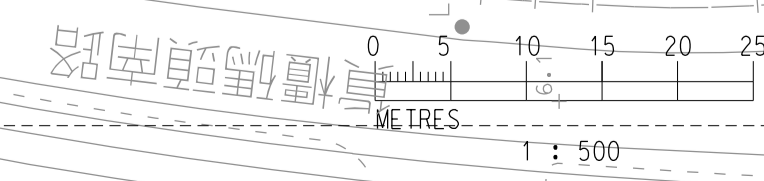
Drawing title  
**TREE FELLING PLAN**  
 (SHEET 1 OF 2)

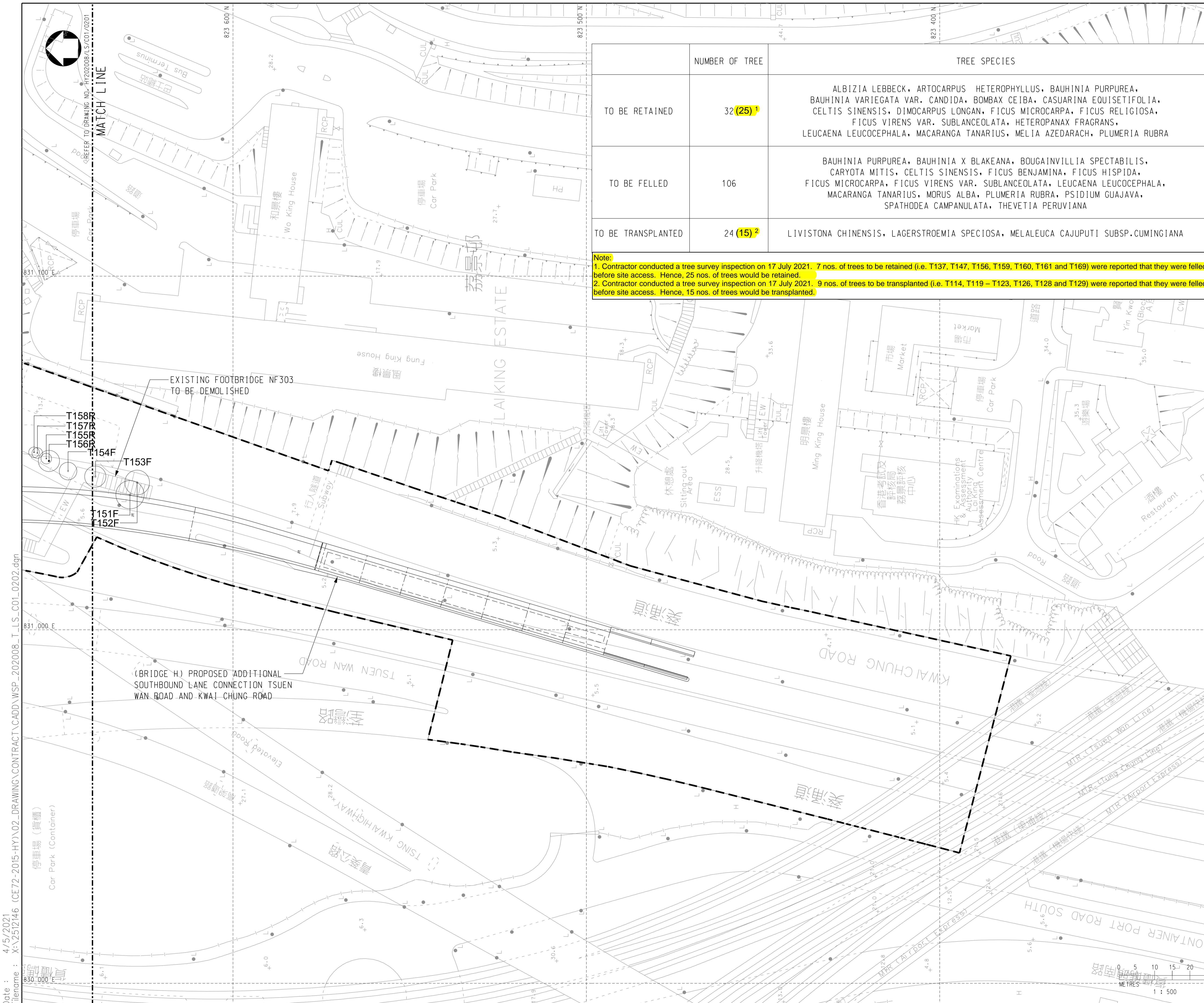
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Drawn CSL	Date 29/11/2019	Checked SH	Approved EW
Scale 1:500(A1)		Status CONTRACT	

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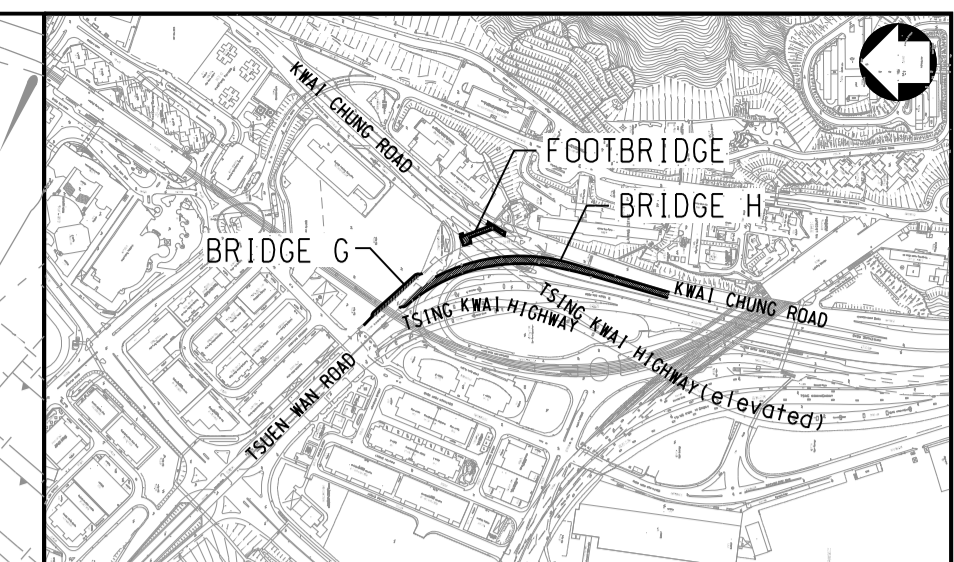
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	NUMBER OF TREE	TREE SPECIES
TO BE RETAINED	32 (25) <sup>1</sup>	ALBIZIA LEBBECK, ARTOCARPUS HETEROPHYLLUS, BAUHINIA PURPUREA, BAUHINIA VARIEGATA VAR. CANDIDA, BOMBAX CEIBA, CASUARINA EQUISETIFOLIA, CELTIS SINENSIS, DIMOCARPUS LONGAN, FICUS MICROCARPA, FICUS RELIGIOSA, FICUS VIRENS VAR. SUBLANCEOLATA, HETEROPANAX FRAGRANS, LEUCAENA LEUCOCEPHALA, MACARANGA TANARIUS, MELIA AZEDARACH, PLUMERIA RUBRA
TO BE FELLED	106	BAUHINIA PURPUREA, BAUHINIA X BLAKEANA, BOUGAINVILLEA SPECTABILIS, CARYOTA MITIS, CELTIS SINENSIS, FICUS BENJAMINA, FICUS HISPIDA, FICUS MICROCARPA, FICUS VIRENS VAR. SUBLANCEOLATA, LEUCAENA LEUCOCEPHALA, MACARANGA TANARIUS, MORUS ALBA, PLUMERIA RUBRA, PSIDIUM GUAJAVA, SPATHODEA CAMPANULATA, THEVETIA PERUVIANA
TO BE TRANSPLANTED	24 (15) <sup>2</sup>	LIVISTONA CHINENSIS, LAGERSTROEMIA SPECIOSA, MELALEUCA CAJUPUTI SUBSP. CUMINGIANA

**Note:**  
 1. Contractor conducted a tree survey inspection on 17 July 2021. 7 nos. of trees to be retained (i.e. T137, T147, T156, T159, T160, T161 and T169) were reported that they were felled before site access. Hence, 25 nos. of trees would be retained.  
 2. Contractor conducted a tree survey inspection on 17 July 2021. 9 nos. of trees to be transplanted (i.e. T114, T119 – T123, T126, T128 and T129) were reported that they were felled before site access. Hence, 15 nos. of trees would be transplanted.



**KEY PLAN**

**LEGEND :**

- LIMIT OF WORKS SITE (AT GROUND LEVEL)
- ☒ PROPOSED LIFT
- EXISTING TREE
- R TREE TO BE RETAINED
- F TREE TO BE FELLED
- T TREE TO BE TRANSPLANTED

ISSUE FOR TENDER		EW	01/21
Rev	Description	By	Date
Consultant			
Project title			
CONTRACT NO. HY/2020/08			
FLYOVER FROM KWAI TSING INTERCHANGE UP-RAMP TO KWAI CHUNG ROAD			
Drawing title			
TREE FELLING PLAN (SHEET 2 OF 2)			
Drawing no.		Rev.	
HY202008/LS/C01/0202		-	
Drawn	Date	Checked	Approved
CSL	29/11/2019	SH	EW
Scale	Status		
1:500 (A1)	CONTRACT		

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路政署  
**HIGHWAYS DEPARTMENT**  
 工程處  
 WORKS DIVISION

Date : 4/5/2021  
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Appendix E

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**Approval record of tree transplant to  
Receptor Site**



27 September 2021

Our ref: WDG/(HY/2020/08)/C60/300/0170

Distribution List

Dear Sir/ Madam,

**Agreement No. CE 72/2015 (HY)**  
**Flyover from Kwai Tsing Interchange Upramp to Kwai Chung Road –**  
**Design and Construction**  
**Contract No. HY/2020/08**  
**Flyover from Kwai Tsing Interchange Upramp to Kwai Chung Road**  
**Tree Transplant**

According to Drawing No. HY202008/LS/C01/0201, a total of 24 nos. existing trees shall be transplanted under the captioned contract. The final position of the transplanted tree is shown in Drawing No. HY202008/LS/C01/0301.

The updated tree survey was conducted (refers to my previous letter ref. WDG/(HY/2020/08)/C60/300/0170). A total of 9 nos. existing trees which are specified to be transplanted were found either to have been felled already or missing based on the findings of the tree survey report. Hence, there would be a total of 15 nos. existing tree to be transplanted.

Since the final position of such transplanted trees would be in conflict with the proposed temporary traffic diversion works during construction, they cannot be re-planted in the final position until the construction works in the vicinity of Container Port Road South are completed. After seeking the opinion from Ms. S.Y. Lee, New Territories West Tree Team, LCSD, a receptor site for permanent transplantation of 15 nos. trees has been proposed in the roadside amenity along Route 8 Tsing Sha Highway near Container Port Road South. Further to the joint site meeting with Ms. S.L. Yim, LCSD on 23 August 2021, the said receptor site was much available than the original one as Ms. Yim mentioned the maintenance works would be difficult and lack of sunshine if the existing trees were transplanted to Container Port Road South. It has finally been agreed that all 15 nos. tree would be transplanted by end 2021 with a minimum spacing of 2.5m as per the attached email dated 21 September 2021.

Yours faithfully,  
WSP (Asia) Limited

HON Kwok Wai, Eric  
Resident Engineer

EH/TK/ct

Encl.

cc WSP/HO Attn: Ms. Ella Lee (w/e)

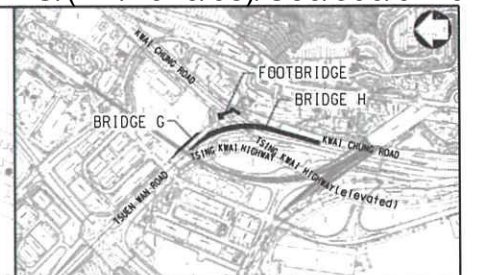
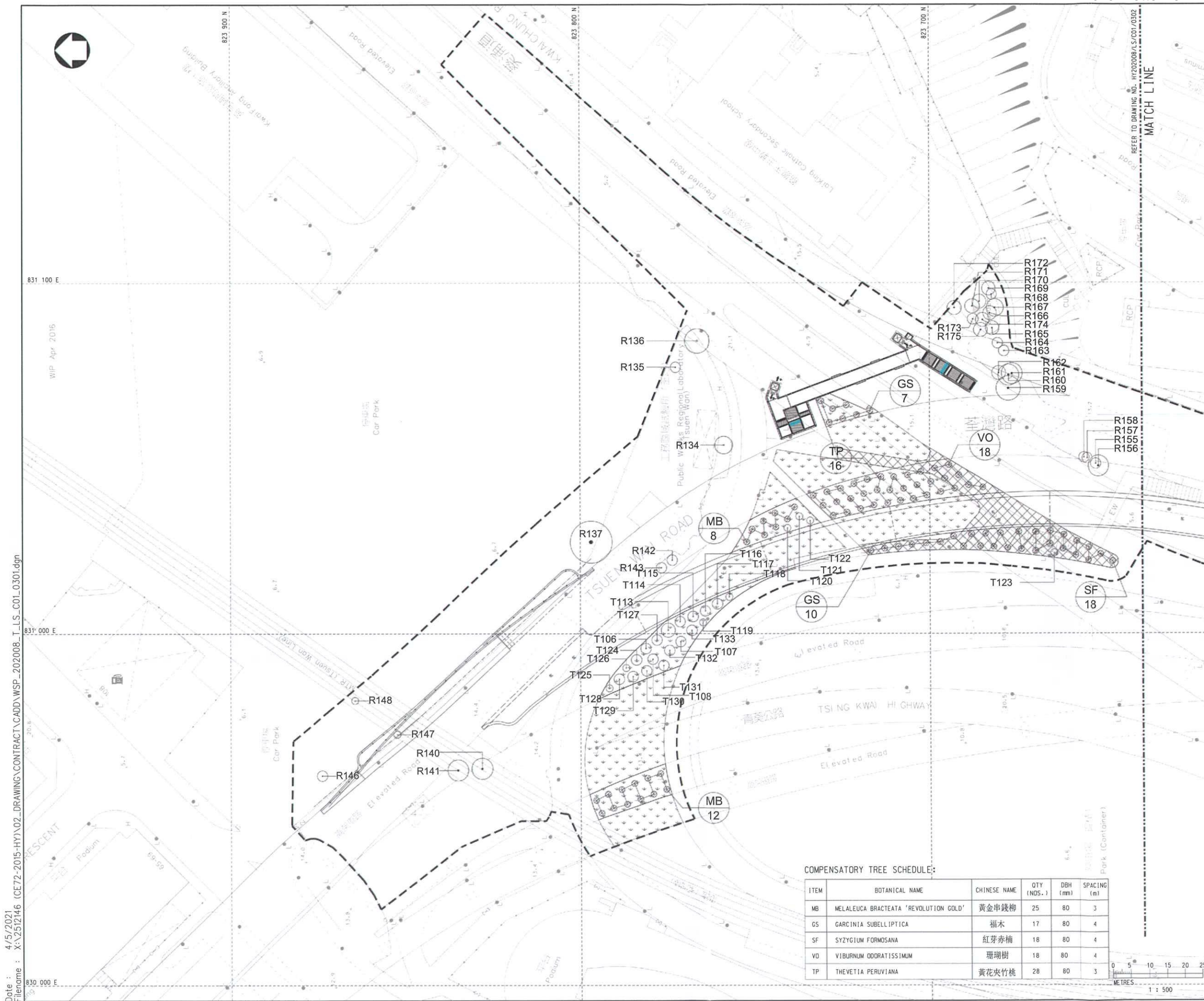
7/F One Kowloon  
1 Wang Yuen Street  
Kowloon Bay, Hong Kong

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wsp.com

Contract No. HY/2020/08  
Flyover from Kwai Tsang Interchange Up-ramp to Kwai Chung Road – Design and Construction  
Distribution List

Department	Address	Name	Post	Tel	Fax	Email
Highways Department Works Division Works Section / NT	7th Floor, Trade and Industry Tower, 3 Concorde Road, Kowloon	Mr. WONG Wa Kei	Sr. Engr/NT2	3903 6797	3188 3418	sen2_wk@hwd.gov.hk
Highways Department Landscape Division	9th Floor, Spectrum Tower, 53 Hung To Road, Kwun Tong, Kowloon	Mr. LO Tak Yee, Ivan	Landscape Architect/D(INTW&Is)	3155 5716	2310 8438	hdmw&is_lsc@hwd.gov.hk
Leisure and Cultural Services Department Administration Division Planning Section	17/F, Leisure and Cultural Services Headquarters, 1-3 Pat Tau Street, Sha Tin, N.T.	Miss LO Wai Yin, Phoenix	EO(Planning)23	2601 8047	2695 3886	exp23_lo@lcsd.gov.hk
Leisure and Cultural Services Department Leisure Services Branch Leisure Services Branch - Division 3 Leisure Management/New Territories West New Territories West Tree Team	Room 510B, 5/F, Sha Tin Government Offices, 1 Sheung Wo Che Road, Sha Tin, New Territories	Ms. LEE Suk Yin, Nicky	Asst Leisure Mgr (Tree)NTW3	2158 6719	3106 4519	almsi@lcsd.gov.hk
Lands Department Lands Administration Office District Lands Office, Tsuen Wan and Kwai Tsing	10th and 11th floors, Tsuen Wan Multi-stories Carpark Building, 174-208 Castle Peak Road, Tsuen Wan, New Territories	Mr. WONG Ching Long	Land Ev/A2 (District Lands Office, Tsuen Wan and Kwai Tsing)	2402 1039	2415 0703 2412 0505	lea2w@lcsd.gov.hk
Lam Environmental Services Limited	19/F, Remex Centre, 42 Wong Chuk Hang Road, Hong Kong	Raymond DAI	ET Leader	9738 0738	2882 3331	rammondai@lamenviro.com
Nature & Technologies (HK) Limited	Lot 12, Tam Kon Sham Road, North Tsing Yi, New Territories	Vega WONG	IEC	2877 3122 / 6113 2568	2511 0922	vega.wong@nt.com.hk



KEY PLAN

- LEGEND :
- LIMIT OF WORKS SITE (AT GROUND LEVEL)
  - PROPOSED LIFT
  - PROPOSED AMENITY AREA
  - EXISTING AMENITY AREA TO BE RETAINED
  - TREE TO BE RETAINED
  - TO BE TRANSPLANTED
  - PROPOSED NEW COMPENSATORY TREE MAINTAINED BY LCSD

-	ISSUE FOR TENDER	EW	01/21
Rev	Description	By	Date



Project title  
 CONTRACT NO. HY/2020/08  
 FLYOVER FROM KWAI TSING INTERCHANGE  
 UP-RAMP TO KWAI CHUNG ROAD

Drawing title  
**TREE COMPENSATION PLAN**  
 (SHEET 1 OF 6)

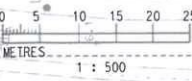
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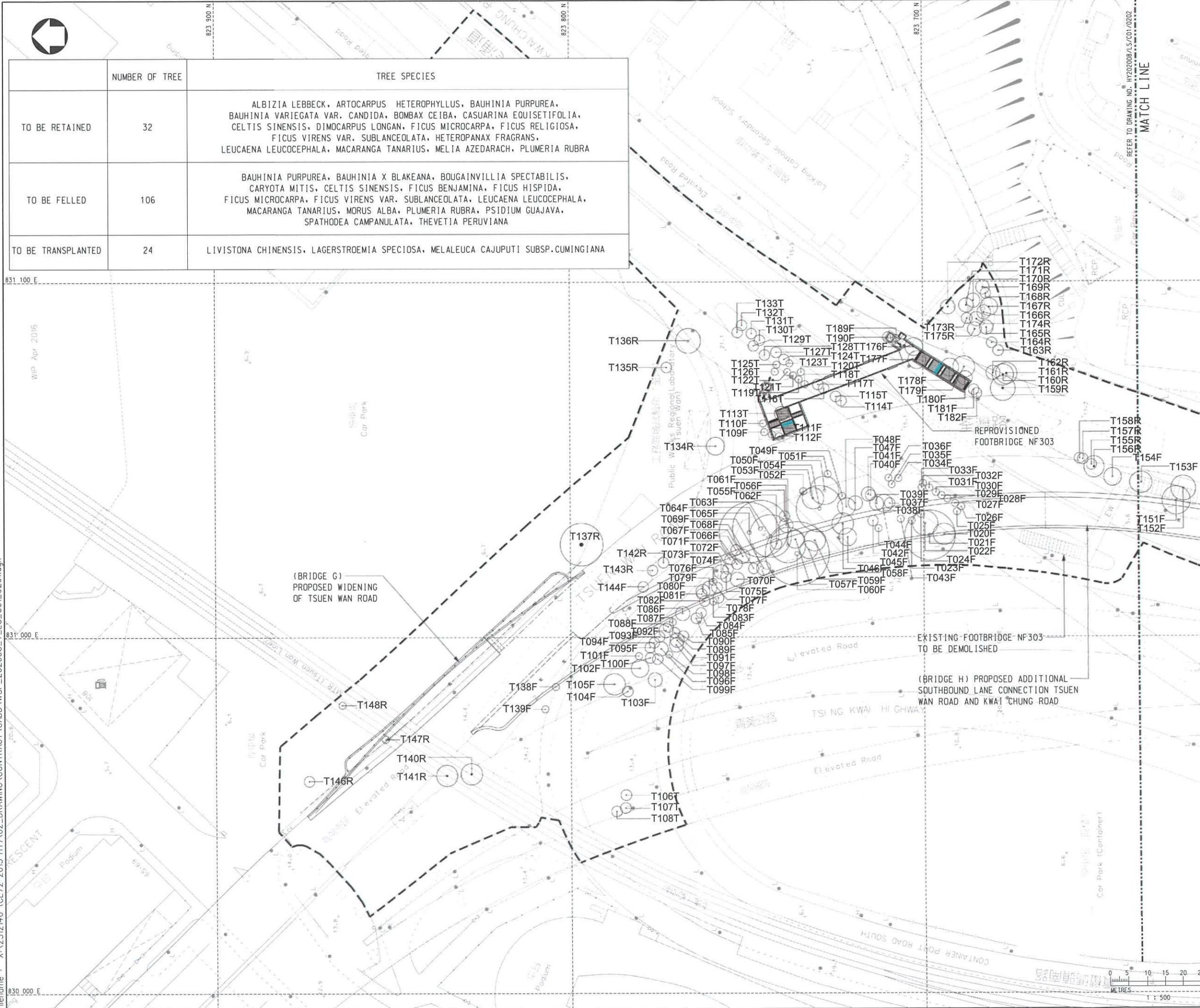


COMPENSATORY TREE SCHEDULE:

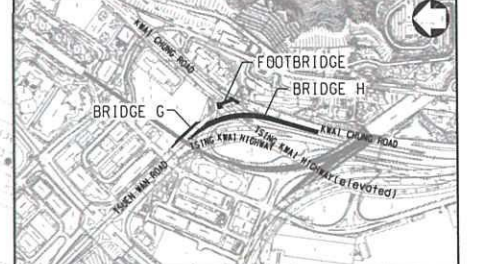
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MB	MELALEUCA BRACTEATA 'REVOLUTION GOLD'	黃金串錢柳	25	80	3
GS	GARCINIA SUBELLIPTICA	福木	17	80	4
SF	SYZYGIUM FORMOSANA	紅芽赤楠	18	80	4
VO	VIBURNUM ODORATISSIMUM	珊瑚樹	18	80	4
TP	THEVETIA PERUVIANA	黃花夾竹桃	28	80	3



Date : 4/5/2021  
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	NUMBER OF TREE	TREE SPECIES
TO BE RETAINED	32	ALBIZIA LEBBECK, ARTOCARPUS HETEROPHYLLUS, BAUHINIA PURPUREA, BAUHINIA VARIEGATA VAR. CANDIDA, BOMBAX CEIBA, CASUARINA EQUISETIFOLIA, CELTIS SINENSIS, DIMOCARPUS LONGAN, FICUS MICROCARPA, FICUS RELIGIOSA, FICUS VIRENS VAR. SUBLANCEOLATA, HETEROPANAX FRAGRANS, LEUCAENA LEUCOCEPHALA, MACARANGA TANARIUS, MELIA AZEDARACH, PLUMERIA RUBRA
TO BE FELLED	106	BAUHINIA PURPUREA, BAUHINIA X BLAKEANA, BOUGAINVILLEA SPECTABILIS, CARYOTA MITIS, CELTIS SINENSIS, FICUS BENJAMINA, FICUS HISPIDA, FICUS MICROCARPA, FICUS VIRENS VAR. SUBLANCEOLATA, LEUCAENA LEUCOCEPHALA, MACARANGA TANARIUS, MORUS ALBA, PLUMERIA RUBRA, PSIDIUM GUAJAVA, SPATHODEA CAMPANULATA, THEVETIA PERUVIANA
TO BE TRANSPLANTED	24	LIVISTONA CHINENSIS, LAGERSTROEMIA SPECIOSA, MELALEUCA CAJUPUTI SUBSP. CUMINGIANA



KEY PLAN

LEGEND :

- LIMIT OF WORKS SITE (AT GROUND LEVEL)
- PROPOSED LIFT
- EXISTING TREE
- R** TREE TO BE RETAINED
- F** TREE TO BE FELLED
- T** TREE TO BE TRANSPLANTED

Issue for Tender	EW	01/21
Rev	Description	By Date
Project Title CONTRACT NO. HY/2020/08 FLYOVER FROM KWAI TSING INTERCHANGE UP-RAMP TO KWAI CHUNG ROAD		
Drawing Title TREE FELLING PLAN (SHEET 1 OF 2)		
Drawing no.		Rev.
HY202008/LS/C01/0201		-
Drawn	Date	Checked
CSL	29/11/2019	SH
Scale	Status	Approved
1:500(A1)	CONTRACT	EW
© COPYRIGHT RESERVED		
路政署 HIGHWAYS DEPARTMENT 工程處 WORKS DIVISION		

Date : 4/5/2021  
 Filename : X:\2512146 (CE72-2015-HY)\02\_DRAWING\CONTRACT\CADD\WSP\_202008\_T\_LS\_C01\_0201.dgn

## Kong, Tom Ho-Lok

---

**From:** Suk Yiu LEE <syiulee@lcsd.gov.hk>  
**Sent:** Monday, 16 August 2021 5:31 PM  
**To:** Kong, Tom Ho-Lok  
**Cc:** almitntw3@lcsd.gov.hk; Wong CY; ent2-1.wd@hyd.gov.hk; ent2-4.wd@hyd.gov.hk; Hon, Eric Kwok-Wai; Florence SL YIM; ssmihui@lcsd.gov.hk; Lam TS  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting  
**Attachments:** DEVB TC(Works) No. 6-2015 Maintenance of Vegetation and Hard Landscape Features.pdf; HY202008 - Footbridge extent\_markup.pdf; HY202008 - TTA.pdf; Roadside amenity along Route 8 Tsing Sha Highway near Container Port Road South.pdf

Dear Mr Kong

I refer to your previous email dated 13.8.2021 at 16:40 hrs , which mentioned about the receptor site for permanent transplantation of 15 nos. trees currently under LCSD's maintenance. As just spoken over the phone, you may check the roadside amenity along Route 8 Tsing Sha Highway near Container Port Road South and lamp post BC1260. Relevant location map is attached below. If you need joint site inspection, please contact our officer Ms YIM at 2424 1485.

LEE Suk-yiu  
ALMI(T)NTW3  
New Territories West Tree Team, LCSD  
Tel: 2158 6719  
Fax: 3106 4519

----- Forwarded by Suk Yiu LEE/LCSD/HKSARG on 16/08/2021 17:10 -----

From: Suk Yiu LEE/LCSD/HKSARG  
To: "Kong, Tom Ho-Lok" <Tom.Kong@wsp.com>  
Cc: "almitntw3@lcsd.gov.hk" <almitntw3@lcsd.gov.hk>, "Wong CY" <cywong@peako.com.hk>, "ent2-1.wd@hyd.gov.hk" <ent2-1.wd@hyd.gov.hk>, "ent2-4.wd@hyd.gov.hk" <ent2-4.wd@hyd.gov.hk>, "Hon, Eric Kwok-Wai" <Eric.Hon@wsp.com>, "Florence SL YIM" <slyim@lcsd.gov.hk>, "ssmihui@lcsd.gov.hk" <ssmihui@lcsd.gov.hk>, "Lam TS" <tslam@peako.com.hk>  
Date: 13/08/2021 17:19  
Subject: RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

---

Dear Mr Kong

As spoken over the phone, this Tree Team is **only responsible for maintenance of roadside trees** on landscaped area along public roads which are under LCSD's ambit according to Technical Circular No.6 /2015. We are not in position to provide comments regarding the hard structure of planter area. You should contact other relevant departments to follow up the proposed modification of planter area and landscape hardworks to be affected by the construction works.

Copy of the Technical Circular No.6 /2015 attached for reference.

LEE Suk-yiu  
ALMI(T)NTW3  
New Territories West Tree Team, LCSD  
Tel: 2158 6719  
Fax: 3106 4519

From: "Kong, Tom Ho-Lok" <Tom.Kong@wsp.com>  
To: "Suk Yiu LEE" <syiulee@lcsd.gov.hk>  
Cc: "almitntw3@lcsd.gov.hk" <almitntw3@lcsd.gov.hk>, "ssmihui@lcsd.gov.hk" <ssmihui@lcsd.gov.hk>, "Florence SL YIM" <slyim@lcsd.gov.hk>, "Hon, Eric Kwok-Wai" <Eric.Hon@wsp.com>, "Lam TS" <tslam@peako.com.hk>, "Wong CY" <cywong@peako.com.hk>, "ent2-4.wd@hyd.gov.hk" <ent2-4.wd@hyd.gov.hk>, "ent2-1.wd@hyd.gov.hk" <ent2-1.wd@hyd.gov.hk>  
Date: 13/08/2021 16:40  
Subject: RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

---

Dear Ms. Lee,

Please note that our Contractor will commence tree felling works on **16 August 2021** (i.e. next Monday).

Besides, our Contractor will commence foundation works near Lai King Catholic Secondary School in coming Sep/Oct 2021. Please note that part of the existing planter area will be in conflict with the proposed lift tower as well as temporary footpath proposed by the Contractor, see attached. We would like to seek your comments on the proposed modification of the said planter area which is under your justification. It is suggested that a joint site meeting should be convened so that we can discuss and determine the extent of the plants and landscape hardworks to be affected by the construction works. In this connection, your early reply preferably **on or before 17 August 2021** will be much appreciated.

Last but not least, I would like to clarify there are only 15 nos. trees to be transplanted after the tree survey carried out by the Contractor on 17 July 2021. As such, 9 nos. trees to be transplanted were found felled before the said tree survey. Moreover, please be clarified that our Contractor would like to seek your advice if there is any LCSD's receptor site for permanent transplantation of the said 15 nos. trees, rather than temporary transplant area. Thanks.

Thanks for your kind attention and cooperation.

Regards,  
**Tom Kong**  
HY/2020/08  
Assistant Resident Engineer



D +852 6215-8530  
T +852 2963-7744  
F +852 2856-9902

## Kong, Tom Ho-Lok

---

**From:** Kong, Tom Ho-Lok  
**Sent:** Tuesday, 21 September 2021 1:39 PM  
**To:** aaitmtw2@lcsd.gov.hk  
**Cc:** almitntw3@lcsd.gov.hk; Suk Yiu LEE; ent2-1.wd@hyd.gov.hk; ent2-4.wd@hyd.gov.hk; Florence SL YIM; ssmihui@lcsd.gov.hk; Hon, Eric Kwok-Wai; Ma, Ho-Wai; Lam TS; Wong CY; Elton Shiu; Chow Marco  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting  
**Attachments:** Tree transplant layout.pdf

Dear Ms. Yim,

Further to our joint site meeting on 23 August 2021, the Contractor has further discussed with its traffic consultant and independent tree specialist. Attached file indicates the proposed location of 15 nos. tree to be transplant. All transplanted trees would have a minimum spacing of 2.5m. Tree transplant works are targeted to commence in end 2021. The confirmed date would notify you once the works is ready. Thanks.

Regards,  
**Tom Kong**  
HY/2020/08  
Assistant Resident Engineer



D +852 6215-8530  
T +852 2963-7744  
F +852 2856-9902

---

**From:** Lam TS <tslam@peako.com.hk>  
**Sent:** Tuesday, 17 August 2021 5:29 PM  
**To:** aaitmtw2@lcsd.gov.hk  
**Cc:** almitntw3@lcsd.gov.hk; Suk Yiu LEE <syiulee@lcsd.gov.hk>; Wong CY <cywong@peako.com.hk>; ent2-1.wd@hyd.gov.hk; ent2-4.wd@hyd.gov.hk; Hon, Eric Kwok-Wai <Eric.Hon@wsp.com>; Florence SL YIM <slyim@lcsd.gov.hk>; ssmihui@lcsd.gov.hk; Kong, Tom Ho-Lok <Tom.Kong@wsp.com>; Chow Marco <marcochow@peako.com.hk>; Elton Shiu <eltonshiu@peako.com.hk>  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

[Revised date]

Dear Ms. Yim,

Per our conversation just now, a joint site inspection is scheduled on **next Monday (23/8) at 11:00 a.m.** We will gather at the roadside amenity along Tsing Sha Highway near Container Road South. Thanks.

Regards,

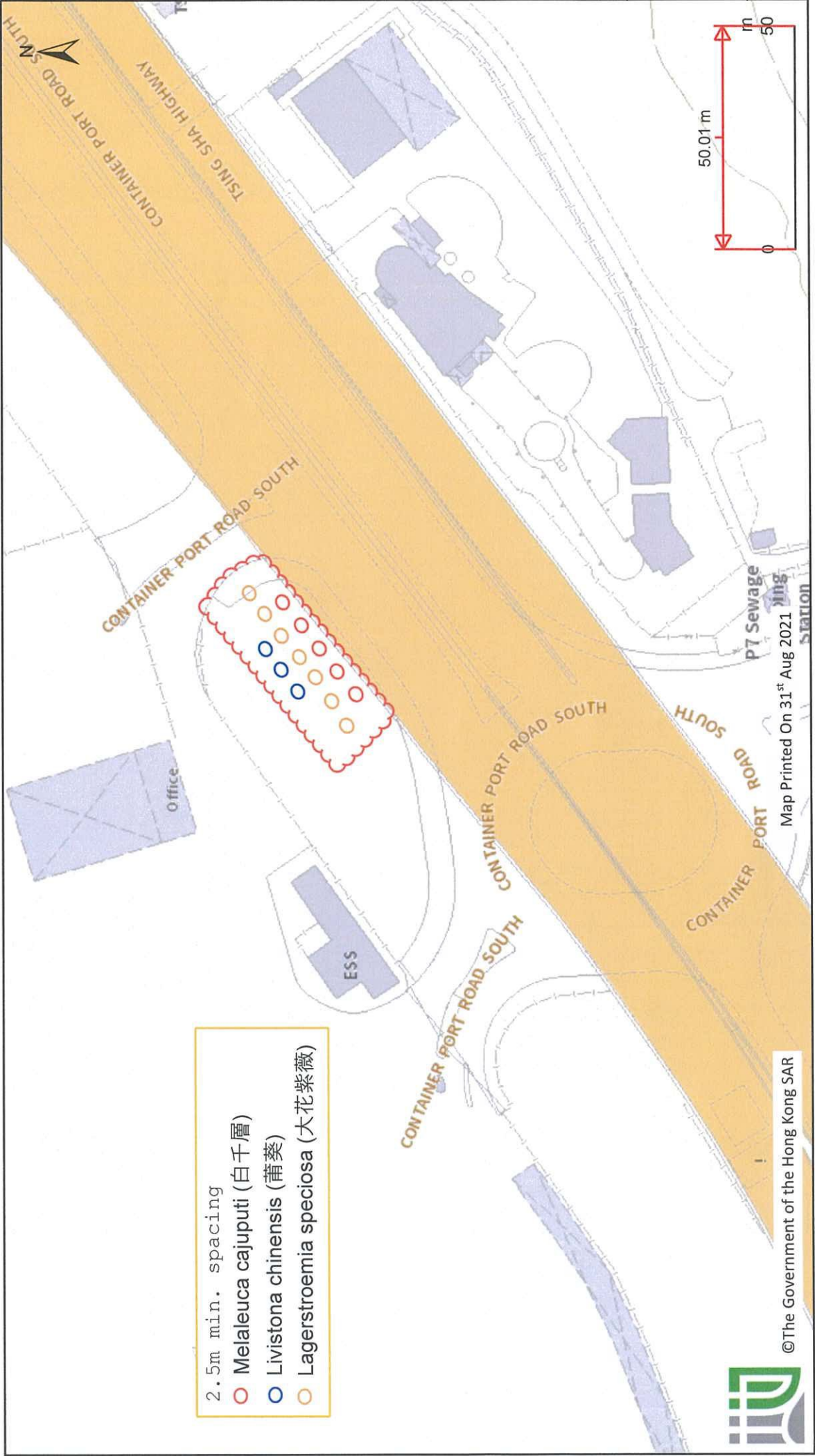
T S Lam | General Manager  
Peako Engineering Co. Limited





Go to map: <https://www.map.gov.hk/gm/geo:22.3217,114.1302?z=1128>

# GEOINFO MAP 地理資訊地圖



- 2.5m min. spacing
- Melaleuca cajuputi (白千層)
- Livistona chinensis (蒲葵)
- Lagerstroemia speciosa (大花紫薇)



©The Government of the Hong Kong SAR

Map Printed On 31<sup>st</sup> Aug 2021

Powered by GeoInfo Map: <https://www.map.gov.hk>

Note: The use of this map is subject to the Terms and Conditions and the IP Rights Notice of GeoInfo Map.

## Kong, Tom Ho-Lok

---

**From:** Suk Yiu LEE <syiulee@lcsd.gov.hk>  
**Sent:** Monday, November 22, 2021 2:41 PM  
**To:** Elton Shiu  
**Cc:** almitntw3@lcsd.gov.hk; Wong CY; ent2-1.wd@hyd.gov.hk; ent2-4.wd@hyd.gov.hk; Hon, Eric Kwok-Wai; Ma, Ho-Wai; KT KWAN; Chow Marco; ssmihui@lcsd.gov.hk; Kong, Tom Ho-Lok; Lam TS; Florence SL YIM  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting  
**Attachments:** General Standards and Maintenance Requirements for Landscape Works to be Handed Over to LCSD (March 2021).pdf; Annex \_ Record Form (March 2021).xlsx; Tree transplant layout.pdf; CPRS-003B.pdf

Dear Mr SHIU

Your attention is drawn to Point 3 of our previous email on 15.11.2021. Please arrange joint inspection with this office within 2-3 weeks after the trees are transplanted to the new location. Meanwhile, grateful please provide us with photos showing conditions of concerned trees after your transplantation work is completed. I look forward to your reply.

LEE Suk-yiu  
ALMI(T)NTW3  
New Territories West Tree Team, LCSD  
Tel: 2158 6719  
Fax: 3106 4519

**From:** Suk Yiu LEE/LCSD/HKSARG  
**To:** "Elton Shiu" <eltonshiu@peako.com.hk>  
**Cc:** "aaitmtw2@lcsd.gov.hk" <aaitmtw2@lcsd.gov.hk>, "almitntw3@lcsd.gov.hk" <almitntw3@lcsd.gov.hk>, "Wong CY" <cywong@peako.com.hk>, "ent2-1.wd@hyd.gov.hk" <ent2-1.wd@hyd.gov.hk>, "ent2-4.wd@hyd.gov.hk" <ent2-4.wd@hyd.gov.hk>, "Hon, Eric Kwok-Wai" <Eric.Hon@wsp.com>, "Ma, Ho-Wai" <Ho-Wai.Ma@wsp.com>, "Chow Marco" <marcochow@peako.com.hk>, "Florence SL YIM" <sljim@lcsd.gov.hk>, "ssmihui@lcsd.gov.hk" <ssmihui@lcsd.gov.hk>, "Kong, Tom Ho-Lok" <Tom.Kong@wsp.com>, "Lam TS" <tslam@peako.com.hk>, KT KWAN/LCSD/HKSARG@LCSD  
**Date:** 15/11/2021 14:07  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

---

Dear Mr SHIU

Our comments are provided below for your follow-up arrangement, please.

- The project proponent is reminded to observe and comply with the conditions set out in the attached **“General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance”**. Follow-up actions shall be taken by project proponent according to the following requirements:
  1. Normal establishment period for the transplanted trees is 12-month after substantial completion of the transplantation work before handing over to LCSD for subsequent maintenance. A longer establishment period may be required by LCSD to ensure healthy growth of the trees.

2. Prior to commencement of establishment period, a joint site inspection with LCSD should be arranged to assess whether the trees are in healthy condition and in compliance with the required specifications. Should the trees be found in unsatisfactory conditions, further joint inspections may be required until all sub-standard conditions are rectified. Replacement should be made if the tree's conditions are not up to standard/requirement. LCSD will not take over maintenance of trees with unsatisfactory conditions.
3. The commencement of establishment period should start on a date when LCSD accepts the tree transplantation work to be substantially completed and satisfied. In this regard, the project proponent is required to arrange a joint tree inspection with representatives of LCSD within 2-3 weeks after the trees are transplanted to the new location.
4. During the 12-month establishment period, the project proponent should arrange periodic inspection to monitor tree maintenance work. The project proponent should also submit quarterly inspection reports together with photos of those transplanted trees to LCSD for perusal
5. For enquires or submission of information, please contact Ms LEE Suk-yiu, ALMI(T)NTW3 of New Territories West Tree Team (NTWTT) at Tel: 2158 6719 / email: [syiulee@lcsd.gov.hk](mailto:syiulee@lcsd.gov.hk).

•  
•

LEE Suk-yiu  
ALMI(T)NTW3  
New Territories West Tree Team, LCSD  
Tel: 2158 6719  
Fax: 3106 4519

From: "Elton Shiu" <eltonshiu@peako.com.hk>  
To: "Suk Yiu LEE" <syiulee@lcsd.gov.hk>, "aaitmtw2@lcsd.gov.hk" <aaitmtw2@lcsd.gov.hk>  
Cc: "Kong, Tom Ho-Lok" <Tom.Kong@wsp.com>, "almitnw3@lcsd.gov.hk" <almitnw3@lcsd.gov.hk>, "ent2-1.wd@hyd.gov.hk" <ent2-1.wd@hyd.gov.hk>, "ent2-4.wd@hyd.gov.hk" <ent2-4.wd@hyd.gov.hk>, "Florence SL YIM" <slyim@lcsd.gov.hk>, "ssmihui@lcsd.gov.hk" <ssmihui@lcsd.gov.hk>, "Hon, Eric Kwok-Wai" <Eric.Hon@wsp.com>, "Ma, Ho-Wai" <Ho-Wai.Ma@wsp.com>, "Lam TS" <tslam@peako.com.hk>, "Wong CY" <cywong@peako.com.hk>, "Chow Marco" <marcochow@peako.com.hk>  
Date: 15/11/2021 11:36  
Subject: RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

---

Dear Ms. Lee and Ms. Yim,

Further to our joint site meeting dated 23 August 2021, the receptor site for permanent transplantation of 9 nos. trees has been agreed to transplant roadside amenity along Tsing Sha Highway near Container Road South.

Please be advised that we would like to process the works on 19 November 2021 (Friday). Enclosed please find the TTA scheme for loading and unloading approved by HKPF and TD for your easy reference. We would be grateful if you could grant us your comment or advice regarding the captioned matter.

Your earliest reply is much appreciated. Should you have any queries, please feel free to contact me at 9831 0205. Thanks.

Cheers,

**Elton Shiu**

Site Engineer

Tel : 9831 0205



**Peako Engineering Co.Limited**

**From:** Kong, Tom Ho-Lok <Tom.Kong@wsp.com>

**Sent:** Tuesday, September 21, 2021 1:39 PM

**To:** aaitmtw2@lcsd.gov.hk

**Cc:** almitntw3@lcsd.gov.hk; Suk Yiu LEE <syiulee@lcsd.gov.hk>; ent2-1.wd@hyd.gov.hk; ent2-4.wd@hyd.gov.hk; Florence SL YIM <slyim@lcsd.gov.hk>; ssmihui@lcsd.gov.hk; Hon, Eric Kwok-Wai <Eric.Hon@wsp.com>; Ma, Ho-Wai <Ho-Wai.Ma@wsp.com>; Lam TS <tslam@peako.com.hk>; Wong CY <cywong@peako.com.hk>; Elton Shiu <eltonshiu@peako.com.hk>; Chow Marco <marcochow@peako.com.hk>

**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

Dear Ms. Yim,

Further to our joint site meeting on 23 August 2021, the Contractor has further discussed with its traffic consultant and independent tree specialist. Attached file indicates the proposed location of 15 nos. tree to be transplant. All transplanted trees would have a minimum spacing of 2.5m. Tree transplant works are targeted to commence in end 2021. The confirmed date would notify you once the works is ready. Thanks.

Regards,

**Tom Kong**

HY/2020/08

Assistant Resident Engineer



D +852 6215-8530

T +852 2963-7744

F +852 2856-9902

**From:** Lam TS <tslam@peako.com.hk>

**Sent:** Tuesday, 17 August 2021 5:29 PM

**To:** aaitmtw2@lcsd.gov.hk

**Cc:** almitntw3@lcsd.gov.hk; Suk Yiu LEE <syiulee@lcsd.gov.hk>; Wong CY <cywong@peako.com.hk>; ent2-1.wd@hyd.gov.hk; ent2-4.wd@hyd.gov.hk; Hon, Eric Kwok-Wai <Eric.Hon@wsp.com>; Florence SL YIM <slyim@lcsd.gov.hk>; ssmihui@lcsd.gov.hk; Kong, Tom Ho-Lok <Tom.Kong@wsp.com>; Chow Marco <marcochow@peako.com.hk>; Elton Shiu <eltonshiu@peako.com.hk>

**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

[Revised date]

Dear Ms. Yim,

Per our conversation just now, a joint site inspection is scheduled on **next Monday (23/8) at 11:00 a.m.** We will gather at the roadside amenity along Tsing Sha Highway near Container Road South. Thanks.

Regards,

T S Lam | General Manager  
Peako Engineering Co. Limited

**From:** Kong, Tom Ho-Lok <[Tom.Kong@wsp.com](mailto:Tom.Kong@wsp.com)>

**Sent:** Tuesday, August 17, 2021 4:12 PM

**To:** [aitmtw2@lcsd.gov.hk](mailto:aitmtw2@lcsd.gov.hk)

**Cc:** [almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk); Suk Yiu LEE <[siyulee@lcsd.gov.hk](mailto:siyulee@lcsd.gov.hk)>; Wong CY <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>; [ent2-1.wd@hyd.gov.hk](mailto:ent2-1.wd@hyd.gov.hk); [ent2-4.wd@hyd.gov.hk](mailto:ent2-4.wd@hyd.gov.hk); Hon, Eric Kwok-Wai <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>; Florence SL YIM <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>; [ssmihui@lcsd.gov.hk](mailto:ssmihui@lcsd.gov.hk); Lam TS <[tslam@peako.com.hk](mailto:tslam@peako.com.hk)>

**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

Dear Ms. Yim,

Please find attached photos for your information. Thanks.

Regards,

**Tom Kong**

HY/2020/08

Assistant Resident Engineer



D +852 6215-8530

T +852 2963-7744

F +852 2856-9902

**From:** Kong, Tom Ho-Lok

**Sent:** Tuesday, 17 August 2021 2:38 PM

**To:** [aitmtw2@lcsd.gov.hk](mailto:aitmtw2@lcsd.gov.hk)

**Cc:** [almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk); Suk Yiu LEE <[siyulee@lcsd.gov.hk](mailto:siyulee@lcsd.gov.hk)>; Wong CY <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>; [ent2-1.wd@hyd.gov.hk](mailto:ent2-1.wd@hyd.gov.hk); [ent2-4.wd@hyd.gov.hk](mailto:ent2-4.wd@hyd.gov.hk); Hon, Eric Kwok-Wai <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>; Florence SL YIM <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>; [ssmihui@lcsd.gov.hk](mailto:ssmihui@lcsd.gov.hk); Lam TS <[tslam@peako.com.hk](mailto:tslam@peako.com.hk)>

**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

Dear Ms. Yim,

As discussed in this morning, we hereby attach the information of 15 nos. trees to be transplanted for your information. Thanks.

Regards,

**Tom Kong**

HY/2020/08

Assistant Resident Engineer



D +852 6215-8530

T +852 2963-7744  
F +852 2856-9902

**From:** Suk Yiu LEE <[syiulee@lcsd.gov.hk](mailto:syiulee@lcsd.gov.hk)>  
**Sent:** Monday, 16 August 2021 5:31 PM  
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**Cc:** [almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk); Wong CY <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>; [ent2-1.wd@hyd.gov.hk](mailto:ent2-1.wd@hyd.gov.hk); [ent2-4.wd@hyd.gov.hk](mailto:ent2-4.wd@hyd.gov.hk);  
Hon, Eric Kwok-Wai <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>; Florence SL YIM <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>; [ssmihui@lcsd.gov.hk](mailto:ssmihui@lcsd.gov.hk); Lam TS  
<[tslam@peako.com.hk](mailto:tslam@peako.com.hk)>  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

Dear Mr Kong

I refer to your previous email dated 13.8.2021 at 16:40 hrs, which mentioned about the receptor site for permanent transplantation of 15 nos. trees currently under LCSD's maintenance. As just spoken over the phone, you may check the roadside amenity along Route 8 Tsing Sha Highway near Container Port Road South and lamp post BC1260. Relevant location map is attached below. If you need joint site inspection, please contact our officer Ms YIM at 2424 1485.

LEE Suk-yiu  
ALMI(T)NTW3  
New Territories West Tree Team, LCSD  
Tel: 2158 6719  
Fax: 3106 4519

----- Forwarded by Suk Yiu LEE/LCSD/HKSARG on 16/08/2021 17:10 -----

**From:** Suk Yiu LEE/LCSD/HKSARG  
**To:** "Kong, Tom Ho-Lok" <[Tom.Kong@wsp.com](mailto:Tom.Kong@wsp.com)>  
**Cc:** "[almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk)" <[almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk)>, "Wong CY" <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>, "[ent2-1.wd@hyd.gov.hk](mailto:ent2-1.wd@hyd.gov.hk)" <[ent2-1.wd@hyd.gov.hk](mailto:ent2-1.wd@hyd.gov.hk)>, "[ent2-4.wd@hyd.gov.hk](mailto:ent2-4.wd@hyd.gov.hk)" <[ent2-4.wd@hyd.gov.hk](mailto:ent2-4.wd@hyd.gov.hk)>, "Hon, Eric Kwok-Wai" <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>, "Florence SL YIM" <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>, "[ssmihui@lcsd.gov.hk](mailto:ssmihui@lcsd.gov.hk)" <[ssmihui@lcsd.gov.hk](mailto:ssmihui@lcsd.gov.hk)>, "Lam TS" <[tslam@peako.com.hk](mailto:tslam@peako.com.hk)>  
**Date:** 13/08/2021 17:19  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

---

Dear Mr Kong

As spoken over the phone, this Tree Team is **only responsible for maintenance of roadside trees** on landscaped area along public roads which are under LCSD's ambit according to Technical Circular No.6 /2015. We are not in position to provide comments regarding the hard structure of planter area. You should contact other relevant departments to follow up the proposed modification of planter area and landscape hardworks to be affected by the construction works.

Copy of the Technical Circular No.6 /2015 attached for reference.

LEE Suk-yiu  
ALMI(T)NTW3  
New Territories West Tree Team, LCSD  
Tel: 2158 6719

Fax: 3106 4519

From: "Kong, Tom Ho-Lok" <[Tom.Kong@wsp.com](mailto:Tom.Kong@wsp.com)>  
To: "Suk Yiu LEE" <[syiulee@lcsd.gov.hk](mailto:syiulee@lcsd.gov.hk)>  
Cc: "[almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk)" <[almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk)>, "[ssmihui@lcsd.gov.hk](mailto:ssmihui@lcsd.gov.hk)" <[ssmihui@lcsd.gov.hk](mailto:ssmihui@lcsd.gov.hk)>, "Florence SL YIM" <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>, "Hon, Eric Kwok-Wai" <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>, "Lam TS" <[tslam@peako.com.hk](mailto:tslam@peako.com.hk)>, "Wong CY" <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>, "[ent2-4.wd@hyd.gov.hk](mailto:ent2-4.wd@hyd.gov.hk)" <[ent2-4.wd@hyd.gov.hk](mailto:ent2-4.wd@hyd.gov.hk)>, "[ent2-1.wd@hyd.gov.hk](mailto:ent2-1.wd@hyd.gov.hk)" <[ent2-1.wd@hyd.gov.hk](mailto:ent2-1.wd@hyd.gov.hk)>  
Date: 13/08/2021 16:40  
Subject: RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

---

Dear Ms. Lee,

Please note that our Contractor will commence tree felling works on **16 August 2021** (i.e. next Monday).

Besides, our Contractor will commence foundation works near Lai King Catholic Secondary School in coming Sep/Oct 2021. Please note that part of the existing planter area will be in conflict with the proposed lift tower as well as temporary footpath proposed by the Contractor, see attached. We would like to seek your comments on the proposed modification of the said planter area which is under your justification. It is suggested that a joint site meeting should be convened so that we can discuss and determine the extent of the plants and landscape hardworks to be affected by the construction works. In this connection, your early reply preferably **on or before 17 August 2021** will be much appreciated.

Last but not least, I would like to clarify there are only 15 nos. trees to be transplanted after the tree survey carried out by the Contractor on 17 July 2021. As such, 9 nos. trees to be transplanted were found felled before the said tree survey. Moreover, please be clarified that our Contractor would like to seek your advice if there is any LCSD's receptor site for permanent transplantation of the said 15 nos. trees, rather than temporary transplant area. Thanks.

Thanks for your kind attention and cooperation.

Regards,  
**Tom Kong**  
HY/2020/08  
Assistant Resident Engineer



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F +852 2856-9902

**From:** Suk Yiu LEE <[syiulee@lcsd.gov.hk](mailto:syiulee@lcsd.gov.hk)>  
**Sent:** Friday, 13 August 2021 12:44 PM  
**To:** Kong, Tom Ho-Lok <[Tom.Kong@wsp.com](mailto:Tom.Kong@wsp.com)>  
**Cc:** [almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk); Wong CY <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>; Hon, Eric Kwok-Wai <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>; Florence SL YIM <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

Dear Mr KONG

As spoken, we have no objection to your starting of the relevant tree felling work approved by DLO. To facilitate our inspection, please let us know the exact date once available.

LEE Suk-yiu  
ALMI(T)NTW3  
New Territories West Tree Team, LCSD  
Tel: 2158 6719  
Fax: 3106 4519

From: "Kong, Tom Ho-Lok" <[Tom.Kong@wsp.com](mailto:Tom.Kong@wsp.com)>  
To: "Suk Yiu LEE" <[syiulee@lcsd.gov.hk](mailto:syiulee@lcsd.gov.hk)>  
Cc: "[almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk)" <[almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk)>, "Wong CY" <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>, "Hon, Eric Kwok-Wai" <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>, "Florence SL YIM" <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>  
Date: 13/08/2021 12:39  
Subject: RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

---

Dear Ms. Lee,

Noted with thanks. Please also confirm our contractor can start the tree felling works. Your earliest reply is much appreciated.

Regards,  
**Tom Kong**  
HY/2020/08  
Assistant Resident Engineer



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**From:** Suk Yiu LEE <[syiulee@lcsd.gov.hk](mailto:syiulee@lcsd.gov.hk)>  
**Sent:** Friday, 13 August 2021 12:28 PM



**To:** Kong, Tom Ho-Lok <[Tom.Kong@wsp.com](mailto:Tom.Kong@wsp.com)>  
**Cc:** [almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk); Wong CY <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>; Hon, Eric Kwok-Wai <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>; Florence SL YIM <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

Dear Mr Kong

As just spoken over the phone, we do not have available location to serve as your temporary transplant area.

LEE Suk-yiu  
ALMI(T)NTW3  
New Territories West Tree Team, LCSD  
Tel: 2158 6719  
Fax: 3106 4519

From: "Kong, Tom Ho-Lok" <[Tom.Kong@wsp.com](mailto:Tom.Kong@wsp.com)>  
To: "Suk Yiu LEE" <[syiulee@lcsd.gov.hk](mailto:syiulee@lcsd.gov.hk)>, "[almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk)" <[almitntw3@lcsd.gov.hk](mailto:almitntw3@lcsd.gov.hk)>  
Cc: "Hon, Eric Kwok-Wai" <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>, "Wong CY" <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>, "Florence SL YIM" <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>  
Date: 13/08/2021 12:26  
Subject: RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

---

Dear Ms. Lee,

A total of 24 nos. existing trees shall be transplanted in the caption contract. Our Contractor would like to explore if LCSD has any location for the temporary transplant area for these 24 nos trees. Thanks.

Regards,  
**Tom Kong**  
HY/2020/08  
Assistant Resident Engineer



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**From:** Kong, Tom Ho-Lok  
**Sent:** Wednesday, 11 August 2021 5:38 PM  
**To:** Suk Yiu LEE <[syiulee@lcsd.gov.hk](mailto:syiulee@lcsd.gov.hk)>  
**Cc:** Hon, Eric Kwok-Wai <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>; Wong CY <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>; Florence SL YIM <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>  
**Subject:** RE: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

Dear Ms. Lee,

Please be informed that our Contractor would like to commence the tree felling works at early next week and total **93 nos.** of the existing trees (managed by LCSD) will be felled as listed in the attached table as per the updated tree survey report.

If you have any further queries, please do not hesitate to contact Contractor representative, C.Y. Wong at 9199 3188 or me. Thanks.

Regards,  
**Tom Kong**  
HY/2020/08  
Assistant Resident Engineer



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**From:** Suk Yiu LEE <[syiulee@lcsd.gov.hk](mailto:syiulee@lcsd.gov.hk)>  
**Sent:** Tuesday, 10 August 2021 5:33 PM  
**To:** Kong, Tom Ho-Lok <[Tom.Kong@wsp.com](mailto:Tom.Kong@wsp.com)>  
**Cc:** Hon, Eric Kwok-Wai <[Eric.Hon@wsp.com](mailto:Eric.Hon@wsp.com)>; Wong CY <[cywong@peako.com.hk](mailto:cywong@peako.com.hk)>; Florence SL YIM <[slyim@lcsd.gov.hk](mailto:slyim@lcsd.gov.hk)>  
**Subject:** HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

Dear Mr Kong

As stated in the comments from our Planning Section dated 25.6.2018 (attached in your email), you are required to inform us in advance the tree removal date/ transplantation schedule for those affected trees which are currently maintained by LCSD. For transplanted trees / compensatory trees to be handed over to LCSD for maintenance in future, you are required to follow our **"General Standards and Maintenance Requirements for Roadside Landscape Works to be Handed Over to LCSD for Maintenance"** issued in March 2021. A copy of which is attached below for your compliance and arrangement of follow-up actions.

Please provide us with details regarding the transplantation and compensation arrangement of trees in advance.

LEE Suk-yiu  
ALMI(T)NTW3  
New Territories West Tree Team, LCSD  
Tel: 2158 6719  
Fax: 3106 4519

----- Forwarded by Suk Yiu LEE/LCSD/HKSARG on 10/08/2021 16:55 -----

From: "Kong, Tom Ho-Lok" <[Tom.Kong@wsp.com](mailto:Tom.Kong@wsp.com)>

To: "almitntw3@lcsd.gov.hk" <almitntw3@lcsd.gov.hk>, "ssmihui@lcsd.gov.hk" <ssmihui@lcsd.gov.hk>  
Cc: "Hon, Eric Kwok-Wai" <Eric.Hon@wsp.com>, "Wong CY" <cywong@peako.com.hk>  
Date: 10/08/2021 16:38  
Subject: HY/2020/08 - Tree Preservation and Removal & Compensatory Planting

---

Dear Ms. Lee and Mr. Hui

We are the consultant commissioned by HyD for the Contract No. HY/2020/08 - Flyover from Kwai Tsing Interchange Upramp to Kwai Chung Road. The Contractor of this Contract is Peako Engineering Co. Limited.

This contract commenced on 17 June 2021. We understand that LCSD is concerned about our Contractor's site clearance. Please find attached (i) Final Updated Tree Survey Report Final Tree Preservation and Removal Proposal & Compensatory Planting Proposal, (ii) approval letter from DLO, and (iii) email correspondence between LCSD and WSP for your information. If you have any further queries, please do not hesitate to contact Contractor representative, C.Y. Wong at 9199 3188 or me. Thanks.

Regards,  
**Tom Kong**  
HY/2020/08  
Assistant Resident Engineer



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Appendix F

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**Method Statement of Tree  
Transplant**



Peako Engineering Co. Limited

必高工程有限公司

(Wholly owned by Man King Holdings Limited)

Our ref. : KTIC/PE2101/2.02/7.05/L/0254

Date : 4 October 2021

By Hand & Email

WSP (Asia) Limited  
7/F, One Kowloon,  
1 Wang Yuen Street,  
Kowloon Bay, Hong Kong

Attention: Mr. HON Kwok Wai, Eric (Supervisor's Representative)

Dear Sirs,

*Contract No. HY/2020/08*

*Flyover from Kwai Tsing Interchange Upramp to Kwai Chung Road*

**- Method Statement: Tree Transplanting**

---

We are pleased to submit herewith the method statement for the proposed tree transplanting works for your comments and acceptance.

Yours faithfully,  
For and on behalf of  
**Peako Engineering Co. Limited**

---

T S LAM  
Site Agent

Encl.

HY/2020/08 - FLYOVER FROM KWAI TSING INTERCHANGE UPRAMP TO KWAI CHUNG ROAD	Ref: KTIC/PE2101/MS06
METHOD STATEMENT - TREE TRANSPLANTING	Revision: 0      Date: Oct-2021
	Page: 1





**Contract No. HY/2020/08**

**Flyover from Kwai Tsing Interchange  
Upramp to Kwai Chung Road**

**Method Statement -  
Tree Transplanting**

Control Copy No. ....  
Issued to .....

Status	Prepared By: Deputy Construction Manager	Approved By: Site Agent
Issued for Construction	 C Y WONG	 T S LAM
	Date: 4-Oct-2021	Date: 4-Oct-2021

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## **Revision Status Sheet**

<b>Revision</b>	<b>Date</b>	<b>Status / Summary of Revision</b>
0	4-Oct-2021	First submission



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<u>Section</u>	<u>Description</u>
1.0	Objective
2.0	Identification of Existing Trees and Receptor Site
3.0	Methodology and Procedure
4.0	Safety and Environmental Measures

### APPENDICES

Appendix A	Particulars of Trees to be Transplanted
Appendix B	Location Plan of Receptor Site
Appendix C	Risk Assessment

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## 1.0 OBJECTIVE

- 1.1 Peako Engineering Co. Limited (the *Contractor*) is commissioned by Highways Department (HyD) in June 2021 to execute the Contract No. HY/2020/08 “Flyover from Kwai Tsing Interchange Upramp to Kwai Chung Road” (the contract).
- 1.2 The works to be executed under this contract involve the widening of the existing carriageway of Tsuen Wan Road and provide an additional southbound lane of Tsuen Wan Road from Kwai Tsing Interchange connecting to Kwai Chung Road.
- 1.3 In order to make way for the proposed construction works, a total of 15 nos. existing trees shall be transplanted as identified in the contract and based on the latest tree survey findings. All trees to be transplanted are not classified as Old and Valuable Trees (OVT) or other important trees.
- 1.4 In accordance with the requirements of ACC Clause C3, the tree transplanting works will be carried out by a specialist subcontractor on the "List of Approved Suppliers of Materials and Specialist Contractors for Public Works" for the category of Landscaping (Class I) (Group II). The engagement of specialist subcontractor has been proposed separately for the *Project Manager's* prior acceptance.
- 1.5 This method statement is intended to outline the proposed methodology, procedure, equipment as well as relevant safety precautions and environmental mitigation measures for the tree transplanting works.

## 2.0 IDENTIFICATION OF EXISTING TREES AND RECEPTOR SITE

- 2.1 Upon possession of the Site, a tree survey has been carried out by certified arborist to record the species, size and conditions of all existing trees present within the Site or within 2m of the site boundary and any other trees likely to be affected by the *works*. The tree survey record has been subsequently submitted to the *Supervisor* for his acceptance.
- 2.2 Based on the finalized tree assessment schedule, a total of 15 nos. existing trees, mostly located at the existing amenity area near the junction between Kwai Chung Road and Container Port Road South, shall be transplanted. Each of these trees will be clearly marked by labels and/or ribbons on site for easy identification by tree workers and other site personnel.
- 2.3 A summary of trees proposed to be transplanted is shown in *Appendix A*. With the exception of 2 nos. *melaleuca cajuputi*, all other trees to be transplanted have a trunk diameter of less than 300mm diameter.
- 2.4 Upon liaison with LCSD's New Territories West Tree Team, a roadside amenity area along Route 8 Tsing Sha Highway near Container Port Road South and lamp post BC1260 has been identified as the receptor site for tree transplanting. A location plan of the receptor site is enclosed in *Appendix B*.

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### 3.0 METHODOLOGY AND PROCEDURE

#### Root pruning

3.1 In preparation for transplanting, root pruning to form a reasonable size of root ball is required and may be adjusted to suit specific tree species and/or site constraints such as underground utilities or boulders. In situations if the locations and work programme are considered suitable, pruning of the roots shall be conducted in accordance with the following stages: -

- 1) Using 1/2 of the crown spread as radius (or other size as determined by certified arborist), mark out a circle on the ground around the tree as a guide to indicate the diameter of the root ball to be provided for the tree. Generally, a wider root ball as can be handled conveniently shall allow the tree better chance of surviving in transplanting.
- 2) Use a sharp spade and dig a trench on the outside of the marked circumference in only two opposing segments;
- 3) Dig a trench on the outside of the marked circumference in the adjacent two opposing segments;
- 4) Dig a trench on the outside of the marked circumference, in the remaining two opposing segments; and
- 5) Prepare the root ball and cut the underside of the root ball, before it is uplifted and transplanted. The root ball will be shaped to taper, slanting inward toward the base.

3.2 The width and depth of trench will vary for different trees. For mature trees, and if the situation allows, a minimum of 1 month should be allowed for root regeneration between successive stages of cuts. Cuts should be clean to avoid tearing or breaking the roots. All cut roots shall be trimmed cleanly back to the healthy tissues to reduce the split and torn roots.

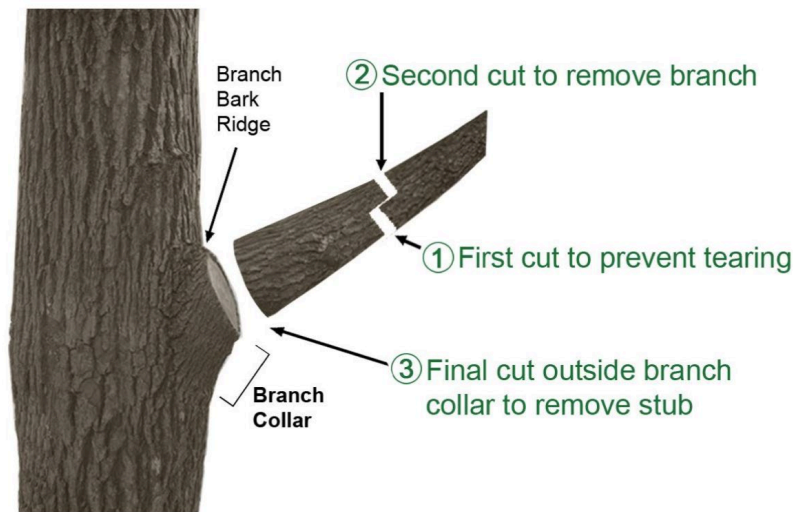
3.3 The tree will be temporarily supported by guy wires members, depending on the size of the tree, if considered necessary.

#### Crown pruning

3.4 The tree crown will be thinned to reduce water consumption by the tree. Also, crown cleaning can be carried out to remove unhealthy, damaged, diseased, dead and crossed branches so as to minimize susceptibility to pests and diseases. In total no more than 30% of the crown shall be pruned. The central main leader of the tree should be preserved and the crown should be maintained in well balanced form.

3.5. The unwanted branches will be removed with pole pruner from lower to upper part of the tree. If removing larger branches is unavoidable, pruning work will adopt the practice of “3-Point Cut” (*Figure 1*) and “Natural target pruning” (*Figure 2*) techniques. The techniques can avoid bark tearing and unnecessary wounding caused by pruning cuts.

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(Figure 1.  
Illustration of “3-Point Cut”)

3.6 Through the “3-Point Cut” technique, a branch is removed in three sequential cuts:

1. The first cut should be an undercut on target branch at some distance away from the parent branch or stem. It is made to prevent causing bark tearing and cracks close to the trunk or parent stem when the branch is fell;
2. The second cut should be a top cut undertaken slightly further out than the first cut to remove the outer part of target branch and a stub would be left; and
3. The final cut should be a cut just adjacent to but not within the branch collar or branch bark ridge to remove the remaining stub without bark tearing.

3.7 Natural target pruning refers to making cut at a proper location without damaging the branch bark ridge and branch collar.

1. If branch collar is visible, the final cut should be made just outside the edge of branch collar;
2. If there is no visible branch collar but just branch bark ridge, the final cut should be made just outside the branch bark ridge and cutline should not be parallel to the parent branch; or
3. If neither branch collar nor branch bark ridge is visible, the final cut should be made just outside the basal flare of the branch and cutline should be parallel the parent branch.

3.8 Tree workers will use appropriate and sharp tools to produce smooth and clean cuts to facilitate better wound closure. When removing a branch with narrow or V-shaped angle at branch union, the pruning cut will start from the underside or the outside of the target branch in order to facilitate the pruning operations and to prevent damage to remaining branch or trunk.

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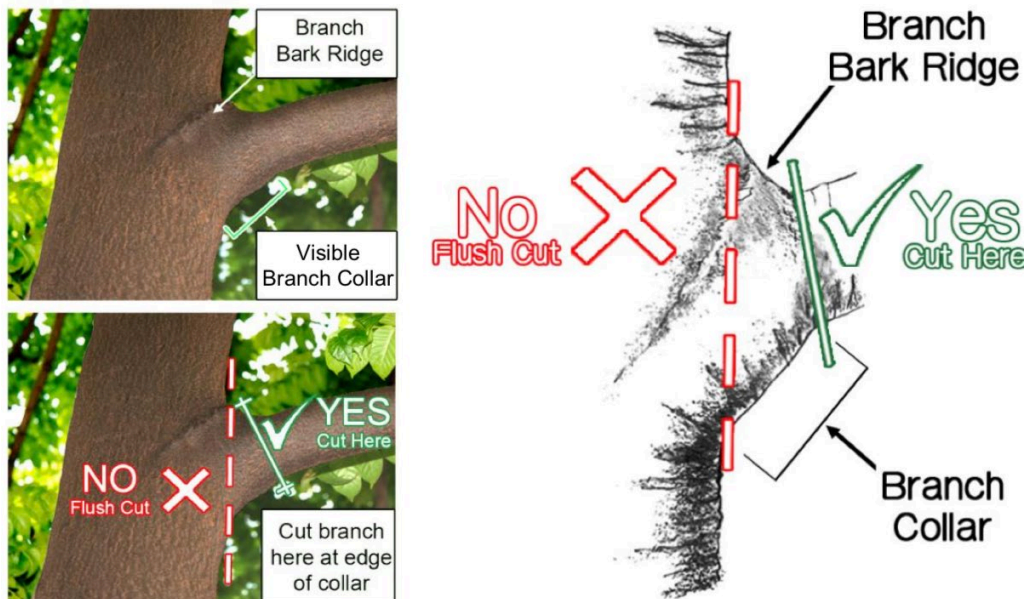


Figure 2. Illustration of “Natural target pruning”

### Lifting of tree

3.9 When the tree is ready to be transplanted upon completion of root and crown pruning: -

- 1) the spreading branches will be tied to protect the branches from tearing during lifting and transportation of the tree.
- 2) Cut around the circumference of the root zone around the tree to ensure all protruding roots are severed. Any loose soil around of the cut line for the root ball will be eased off.
- 3) Use spade to cut off the rest of the roots from the root ball that was not cut previously and then thrust the spade underneath the root ball at an angle of 45 degrees to cut off more roots for the root ball.
- 4) When the tree is movable, slide a sheet of burlap or equivalent underneath the root ball and then wrap up the entire root ball to retain the soil and prevent moisture loss. Tie the wrapping firmly in place around the trunk.
- 5) Upon lifting, the root ball will be wrapped with damp hessian and kept moist from the time of lifting until it is transplanted.
- 6) Lifting should be done by direct lift, with padded protection for the tree, using a crane lorry or mobile crane of appropriate capacity. Lifting sling should be connected to the support around the root ball, which should be properly prepared and wrapped.
- 7) For mature and older trees the root ball shall be protected by a wooden container, which is not envisaged for this project.

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Protection during transportation

- 3.10 Trees are to be loaded and secured firmly on lorry or trailer bed carefully to avoid injuring the tree or breaking the soil ball. Lower branches, trunk and root ball will be padded.
- 3.11 During transportation to the receptor site, crown of the tree should be loosely wrapped with nylon net or the like to minimise the risk of drying, branch damage due to excessive movements, and wind damage.

Transplanting at Receptor Site

- 3.12 The planting pit shall be prepared in advance. The diameter of the planting pit is to be 300-500mm greater than the size of root ball of the tree to be transplanted, while its depth shall not exceed the depth of the root ball. Soil at the pit base should be loosened for at least 150mm depth.
- 3.13 Upon unloading the tree will be planted immediately and should not be left exposed for a prolonged period of time. After all protective wrappings and fastenings for transportation are removed, the tree is set in the planting pit at upright position. The orientation of tree crown is adjusted, before the pit is backfilled with topsoil mixed with fertilizer. The planting tree area of the root ball will also be covered with a 25-30mm layer of mulch.
- 3.14 The newly transplanted tree will be watered thoroughly to ensure adequate moisture supply and facilitate soil settlement for maximum ground anchorage.
- 3.15 Finally, the tree will be supported with PVC-coated wires and/or 40-50mm diameter bamboo stakes with rubber padding against the trunk.

**4.0 SAFETY AND ENVIRONMENTAL MEASURES**

- 4.1 The key safety and environmental mitigation measures relevant to the tree transplanting works are summarized in the following: -

Qualification of tree workers

- 4.2 All tree workers should be adequately trained and experienced in the assigned tasks to be performed, including the use of all tools to be deployed.
- 4.3 In particular, those workers who are assigned to use chainsaw shall have passed the “Vocational Assessment in Safety Use and Maintenance of Chainsaw Operation and Basic Tree Pruning for the Arboriculture Industry” organized by the Vocational Training Council (“VTC”) or possess equivalent qualification.

Falling objects

- 4.4 Falling objects may include materials, tools, debris and/or cut tree parts falling from height. The works area is to be properly cordoned off to prevent the risk of falling

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objects. Where there is potential trespassing by the public, rigid barriers should be erected and dedicated staff appointed to warn off nearby public members.

#### Chainsaw safety

- 4.5 All parts of the equipment, including the fuel lines, tank, and carburetor, will be inspected prior to operation to ensure it is in safe and satisfactory working condition.
- 4.6 The chainsaw operators must put on appropriate personal protective equipment (PPE). In addition to helmets, protective gloves and safety boots, they shall also wear chainsaw-resistant chaps, safety goggles and earmuffs. Loose-fitting clothing and slippers are not allowed.
- 4.7 Keep firm grips on the chainsaw with both hands and maintain a proper balance and secure footing when operating the chainsaw. The chainsaw shall not be operated for cuts above shoulder level. No one except the operator shall be allowed within a radius of 3 m of a chainsaw when it is in operation. No adjustment shall be made to the chain while the engine is running.
- 4.8 The gasoline-powered chainsaw must be handled with care. Hot chainsaws shall be cooled down before refueling. Smoking or other sources of ignition is strictly prohibited and approved fire extinguishers should be made available at the working areas. Flammable liquids must be stored and dispensed from safe containers.

#### Adverse weather

- 4.9 No tree work should be carried out during inclement weather conditions, such as strong wind, thunderstorm and heavy rainstorm.
- 4.10 Prolonged outdoor work in hot weather may result in heat-related disorders, such as heat stroke and heat exhaustion. Adequate drinking water and rest breaks will be provided to the tree workers.

#### Protection of retained trees

- 4.11 Adopt working methods that avoid any damage to adjacent trees to be retained, including damage to their root systems. No trees shall be used as anchorages for ropes or chains used in guying or pulling.
- 4.12 Petrol and other materials likely to be injurious to the trees shall be kept away from the tree protection zones, and any accidental spills of these materials shall be cleaned up immediately.
- 4.13 No rest areas for workers or similar facilities should be installed beneath trees, nor should equipment maintenance etc. be carried out under trees.

#### Removal of yard wastes

- 4.14 Any tree materials, debris and wood chips generated from the pruning work will be

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removed as soon as practicable to prevent hygiene problems and growth of water sprouts.

4.15 The specific Risk Assessment for the tree transplanting works is attached in *Appendix C*.

\*\*\* \*\*



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## **Appendix A**

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

Surveyed by: Jason Ng

**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)	(Good/Fair/Poor)				(High/Medium/Low)	(Retain/Transplant/Fell)	
T103	Thevetia peruviana	黃花夾竹桃	4.4	136	4.5	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T104	Thevetia peruviana	黃花夾竹桃	4.6	130	3.6	Poor	Fair	Fair	Poor	Medium	Fell	Multi trunk
T105	Spathodea campanulata	火焰木	7.4	350	6.5	Fair	Fair	Fair	Fair	Medium	Fell	
T106	Livistona chinensis	蒲葵	4.4	170	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	Bending
T107	Livistona chinensis	蒲葵	5.4	230	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T108	Livistona chinensis	蒲葵	4.4	230	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T109	Caryota mitis	短穗魚尾葵	4.5	160	2.4	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T110	Caryota mitis	短穗魚尾葵	3.3	180	2.3	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T111	Caryota mitis	短穗魚尾葵	3.5	145	2.5	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T112	Caryota mitis	短穗魚尾葵	6	210	2.0	Fair	Fair	Fair	Fair	Medium	Fell	Multi trunk
T113	Lagerstroemia speciosa	大花紫薇	6.6	170	4.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T114	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T115	Lagerstroemia speciosa	大花紫薇	5.4	135	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T116	Lagerstroemia speciosa	大花紫薇	5.6	110	3.6	Fair	Fair	Fair	Low	Medium	Transplant	
T117	Lagerstroemia speciosa	大花紫薇	5.5	132	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T118	Lagerstroemia speciosa	大花紫薇	4.5	115	2.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T119	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T120	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T121	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T122	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T123	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled

Project Title: Contract No. HY/2020/08

Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road

Date of Tree Survey: 17 July 2021

Surveyed by: Jason Ng

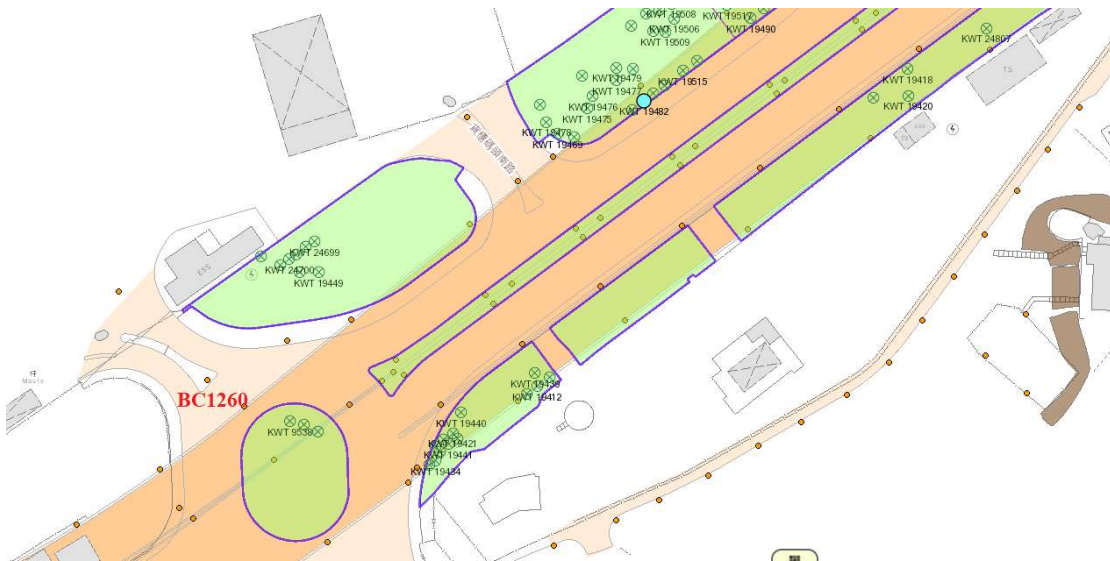
**Tree Survey Schedule**

Tree No.	Species		Measurements			Form	Health condition	Structural condition	Amenity value	Suitability for transplanting	Recommendation	Remarks
	Scientific name	Chinese name	Height (m)	DBH (mm)	Crown spread (m)							
T124	Melaleuca cajuputi	白千層	5.6	226	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T125	Lagerstroemia speciosa	大花紫薇	4.5	110	2.5	Fair	Fair	Fair	Fair	Medium	Transplant	Bending
T126	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T127	Melaleuca cajuputi	白千層	7.4	279	3.4	Fair	Fair	Fair	Fair	Medium	Transplant	
T128	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T129	Lagerstroemia speciosa	大花紫薇	-	-	-	-	-	-	-	-	-	Tree was felled
T130	Melaleuca cajuputi	白千層	8.7	327	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T131	Melaleuca cajuputi	白千層	7.5	349	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T132	Melaleuca cajuputi	白千層	6.7	231	3.6	Fair	Fair	Fair	Fair	Medium	Transplant	
T133	Lagerstroemia speciosa	大花紫薇	3.6	101	3.5	Fair	Fair	Fair	Fair	Medium	Transplant	
T134	Artocarpus heterophyllus	菠蘿蜜	5.6	173	5.5	Fair	Fair	Fair	Fair	Medium	Retain	
T135	Plumeria rubra	雞蛋花	3.6	129	3.8	Fair	Fair	Fair	Fair	Medium	Retain	Multi trunk
T136	Dimocarpus longan	龍眼	8.5	335	7.4	Fair	Fair	Fair	Fair	Low	Retain	Co-dominant trunk
T137	Albizia lebbeck	大葉合歡	-	-	-	-	-	-	-	-	-	Tree was missing
T138	Bougainvillea spectabilis	簕杜鵑	3.4	116	2.5	Poor	Fair	Fair	Poor	Medium	Fell	
T139	Psidium guajava	番石榴	4.4	170	2.5	Poor	Poor	Poor	Low	Medium	Fell	Co-dominant branches
T140	Ficus virens	大葉榕	9.4	440	6.5	Fair	Fair	Fair	Fair	Low	Retain	
T141	Ficus microcarpa	細葉榕	7.5	235	6.5	Fair	Fair	Fair	Fair	Low	Retain	
T142	Bombax ceiba	木棉	6.3	163	3.4	Fair	Fair	Fair	Fair	Medium	Retain	
T143	Celtis sinensis	朴樹	7.4	170	3.5	Fair	Fair	Fair	Fair	Medium	Retain	
T144	Plumeria rubra	雞蛋花	3.6	155	3.4	Poor	Fair	Fair	Poor	Medium	Fell	Leaning

HY/2020/08 - FLYOVER FROM KWAI TSING INTERCHANGE UPRAMP TO KWAI CHUNG ROAD	Ref: KTIC/PE2101/MS06	
METHOD STATEMENT - TREE TRANSPLANTING	Revision: 0	Date: Oct-2021

## Appendix B

# Roadside amenity along Route 8 - Tsing Sha Highway near Container Port Road South and lamp post BC1260



HY/2020/08 - FLYOVER FROM KWAI TSING INTERCHANGE UPRAMP TO KWAI CHUNG ROAD	Ref: KTIC/PE2101/MS06	
METHOD STATEMENT - TREE TRANSPLANTING	Revision: 0	Date: Oct-2021

## Appendix C

**Risk Assessment No. RA-06      Tree Transplanting**

Revision: 1


Date of Assessment: 4 Oct 2021

Next revision date: 3 Apr 2022 (or any significant change of circumstances)

**Risk Assessment Report**

Work Activities : Tree Transplanting

Assessed By : K F SIU – Safety Officer

  
----- (Signature)

Endorsed By : T S LAM – Site Agent

  
----- (Signature)

Reference : Five Steps to Risk Assessment, Health and Safety Executive, UK.

## Risk Assessment No. RA-06      Tree Transplanting

Revision: 1

Date of Assessment: 4 Oct 2021

Next revision date: 3 Apr 2022 (or any significant change of circumstances)

### 1.0) Risk Assessment Process

- a) Step 1 – Classify the Work Activities
  - Prepare a list of work activities which covers the premises, plant, people and procedures.
- b) Step 2 – Identify the Hazards
  - Identify all significant hazards relating to each work activity. Decide who might be harmed and how.
- c) Step 3 – Determine the Risk
  - Make a subjective estimate of the risk associated with each hazard, which assumes that planned or existing controls are in place; and decide whether existing precautions are adequate or more should be done.
- d) Step 4 – Prepare Risk Control Measures
  - Prepare risk control measures for the intolerable risk.
- e) Step 5 – Review
  - Review adequacy of the risk assessment report.

### 2.0) Risk Ranking System

Likelihood	Severity	Likelihood X Severity	Risk Rating	Priority
1. Highly unlikely (Could happen, but probably never will)	1. Negligible injuries (first aid treatment only)	1-2	Low	Low priority
2. Unlikely (could happen, but only rarely)	2. Minor injuries (normally reversible injury off work for up to 7 days)	3-6	Medium	Medium priority
3. Likely (Could happen occasionally)	3. Major injuries (normally irreversible injuries off work for over 7 days)	8-16	High	High priority
4. Very likely (could happen frequently)	4. Fatality or totally disable permanently			



## Risk Assessment No. RA-06 Tree Transplanting

Revision: 1

Date of Assessment: 4 Oct 2021

Next revision date: 3 Apr 2022 (or any significant change of circumstances)

Work Activities	Foreseeable Hazard	Likelihood of Harm	Severity	Risk Rating	Control Measures	Training / PPE	Residue Risk	Action / Monitor By
<b>I. Crown pruning and cleaning by down existing tree branches</b>	1. - Falling objects	3	3	9	<ul style="list-style-type: none"> <li>• Certified arborist should assess the conditions and stability of the tree and site conditions, and prepare a pruning plan accordingly.</li> <li>• Clear pruning instructions must be delivered to tree workers before start of work.</li> <li>• The working zone should be cordoned off and all site personnel except trained operators shall stay at a safe distance.</li> <li>• Rigid barriers should be erected and dedicated lookout person appointed to prevent trespassing by the public.</li> <li>• No tree work should be carried out during inclement weather conditions, such as strong wind, thunderstorm and heavy rainstorm.</li> </ul>	Specialist training on tree work  PPE (Helmet)	Low	Safety Officer / Safety Supervisor / Subcontractor's Supervisor
<b>II. Operation of gasoline-powered chainsaw</b>	1. – Cut and lacerations to body and legs	3	3	9	<ul style="list-style-type: none"> <li>• Chainsaw should be operated by trained personnel and in strict accordance with the manufacturer's instructions.</li> <li>• Conduct pre-work inspection to the machine including chain brake.</li> <li>• Wear chainsaw-resistant chaps and avoid loose-fitting clothing and slippers.</li> <li>• Keep firm grips on the chainsaw with both hands and maintain secure footing.</li> <li>• The chainsaw shall not be operated for cuts above shoulder level.</li> <li>• No one except the operator shall be allowed within 3m of an operating chainsaw.</li> <li>• No adjustment shall be made to the chain while the engine is running.</li> </ul>	Training on operation of chainsaw  PPE (protective clothing and shoes)	Low	<i>Ditto</i>

## Risk Assessment No. RA-06 Tree Transplanting

Revision: 1

Date of Assessment: 4 Oct 2021

Next revision date: 3 Apr 2022 (or any significant change of circumstances)

Work Activities	Foreseeable Hazard	Likelihood of Harm	Severity	Risk Rating	Control Measures	Training / PPE	Residue Risk	Action / Monitor By
<i>(Cont'd)</i>	2. – Hand injury, eye injury or hearing loss	3	2	6	<ul style="list-style-type: none"> <li>Wear gloves and, if feasible, use hand tools.</li> <li>Wear eye goggles to prevent injury due to flying fragments during cutting.</li> <li>Ear protectors should be used for operators working in noise exposure zone.</li> </ul>	PPE (Gloves, ear protectors and eye protection)	Low	Safety Officer / Safety Supervisor / Subcontractor's Supervisor
	3. – Fire or explosion	3	2	6	<ul style="list-style-type: none"> <li>Hot chainsaws shall be cooled down before refueling.</li> <li>Smoking is strictly prohibited</li> <li>Fire extinguishers should be made available at the work areas.</li> <li>Flammable liquids must be stored and dispensed from safe containers and kept away from any sources of ignition.</li> </ul>	Toolbox talk on fire safety	Low	<i>Ditto</i>
<b>III. Manual handling of tree parts</b>	1. –Back, muscular or finger injuries	2	2	4	<ul style="list-style-type: none"> <li>Assess the weight of load and deploy sufficient worker.</li> <li>Use heavy work gloves to prevent finger injuries due to pinching.</li> <li>Workers shall keep in correct body posture to avoid manual handling hazard.</li> <li>Use trolley or other means to avoid manual handling whenever practicable.</li> </ul>	Toolbox talk on manual handling  PPE (Gloves)	Low	<i>Ditto</i>
	2. - Insect bites and skin contact with poisonous plants	2	2	4	<ul style="list-style-type: none"> <li>Wear suitable clothing and gloves to minimize skin exposure to insect bites and scratches by poisonous plants.</li> <li>Apply insect repellent to exposed skin when required.</li> <li>If severe reactions upon bites or contact with poisonous plants are observed, prompt medical treatment should be sought.</li> </ul>	<i>(Cont'd)</i> <ul style="list-style-type: none"> <li>Auto-locking karabiner</li> <li>Grip-type gloves</li> <li>Safety boots</li> <li>Safety glasses</li> <li>Protective clothes</li> </ul>	Low	Safety Officer / Safety Supervisor / Subcontractor's Supervisor

## Risk Assessment No. RA-06 Tree Transplanting

Revision: 1

Date of Assessment: 4 Oct 2021

Next revision date: 3 Apr 2022 (or any significant change of circumstances)

Work Activities	Foreseeable Hazard	Likelihood of Harm	Severity	Risk Rating	Control Measures	Training / PPE	Residue Risk	Action / Monitor By
IV. Lifting and transportation of trees for transplanting	1. - Overturning or collapse of crane lorry	2	4	8	<ul style="list-style-type: none"> <li>Lifting Appliance (LA) must be tested, examined and certified by RPE.</li> <li>Valid certificate should be obtained before use and available for inspection.</li> <li>Never exceed the Safe Working Load (S.W.L.) as stated on the RPE certificate.</li> <li>Operation and communication procedures should be set up with all relevant parties.</li> <li>Banksman should be provided to aid communication at lifting operation.</li> <li>The crane shall be operated on a firm, level ground. Outriggers should be fully extended and secure on sleepers resting on firm ground before any lifting work.</li> </ul>	Tool box talk on safe use of LA and LG	Low	Safety Officer Safety Supervisor Site Foreman
	2. Struck by swinging / falling load	2	4	8	<ul style="list-style-type: none"> <li>Tethers should be used to restrain the swinging of the lifted load.</li> <li>Lifting operation shall be suspended under strong wind or wave conditions.</li> <li>All site personnel shall be kept away from the lifting zone which should be fenced off with warning signs.</li> <li>Check before use the LG (slings, shackles, etc.) bears valid certificates issued by RPE.</li> <li>Conduct visual checking for the LG before use each time to ensure that they are in safe working condition.</li> <li>Ensure that the load is properly rigged and with suitable LG.</li> <li>Never exceed the Safe Working Load (S.W.L.) of LG as stated on the RPE certificate.</li> </ul>	<i>Ditto</i>	Low	<i>Ditto</i>

**Risk Assessment No. RA-06      Tree Transplanting**

Revision: 1

Date of Assessment: 4 Oct 2021

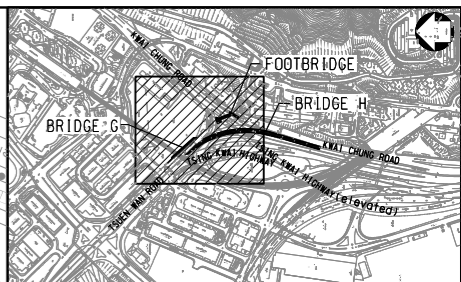
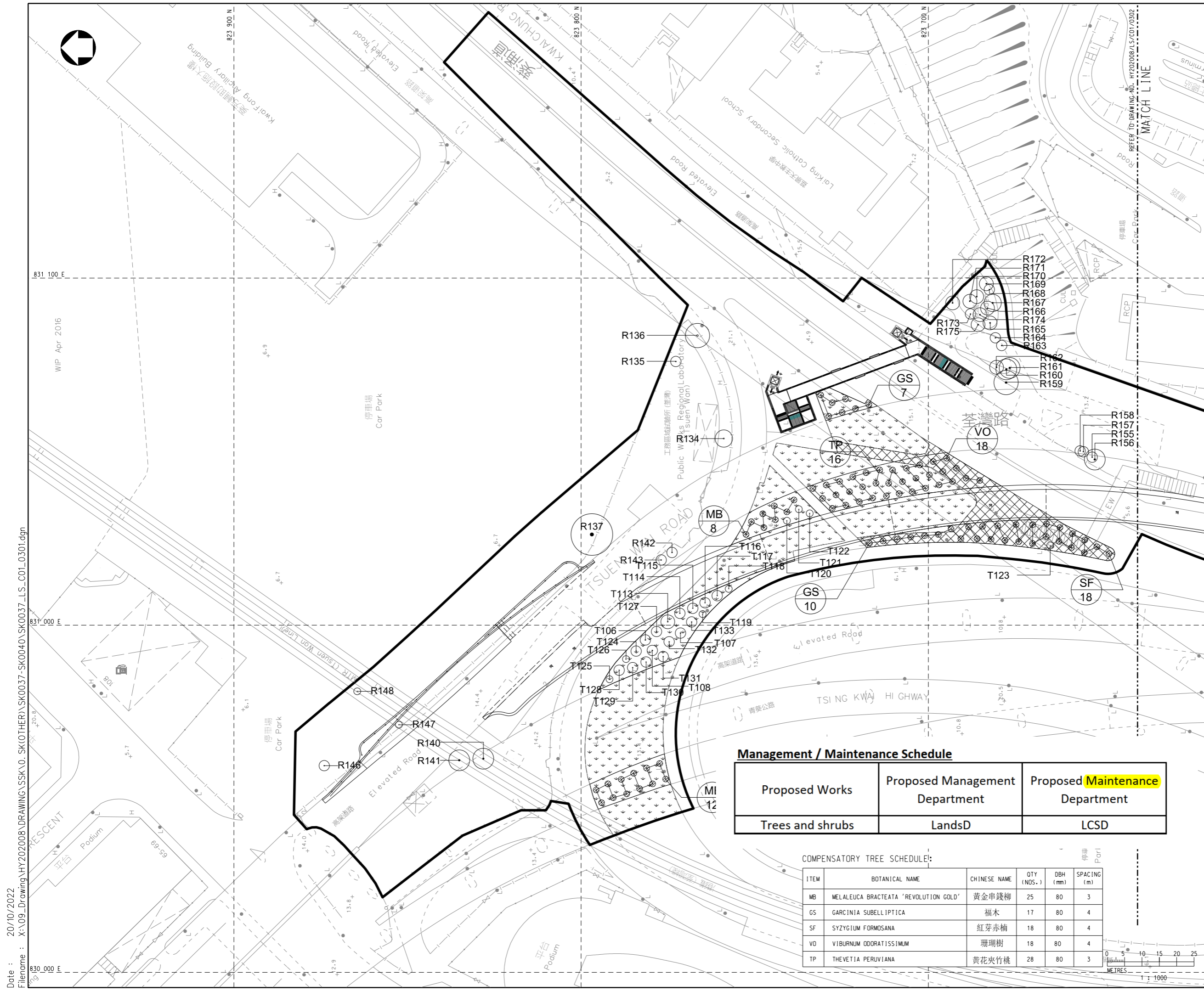
Next revision date: 3 Apr 2022 (or any significant change of circumstances)

<i>(Cont'd)</i>	3. - Collision with public vehicles or other road accidents	3	2	6	<ul style="list-style-type: none"> <li>• Implement the approved TTA with provision of adequate signing and guarding.</li> <li>• Wear high visibility clothing when working on or near public roads.</li> <li>• No jaywalking.</li> </ul>	Toolbox talk (working on carriageway)	Low	Safety Officer / Safety Supervisor / Subcontractor's Supervisor
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Appendix G

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**Tree Compensation Plans**



KEY PLAN

- LEGEND :
- LIMIT OF WORKS SITE (AT GROUND LEVEL)
  - PROPOSED LIFT
  - PROPOSED AMENITY AREA
  - EXISTING AMENITY AREA TO BE RETAINED
  - TREE TO BE RETAINED
  - TO BE TRANSPLANTED
  - PROPOSED NEW COMPENSATORY TREE MAINTAINED BY LCSD

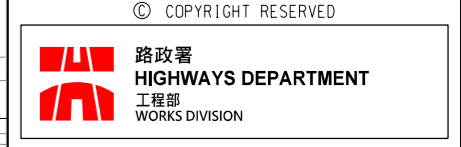
-	TO EPD	WST	20/10/22
Rev	Description	By	Date



Project title  
 CONTRACT NO. HY/2020/08  
 FLYOVER FROM KWAI TSING INTERCHANGE  
 UP-RAMP TO KWAI CHUNG ROAD

Drawing title  
 TREE COMPENSATION PLAN  
 (SHEET 1 OF 6)

Drawing no. HY202008/SK0037		Rev. -	
Drawn VT	Date 20/10/2022	Checked EH	Approved EH
Scale 1:1000 (A3)		Status CONSTRUCTION	



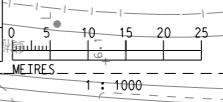
**Management / Maintenance Schedule**

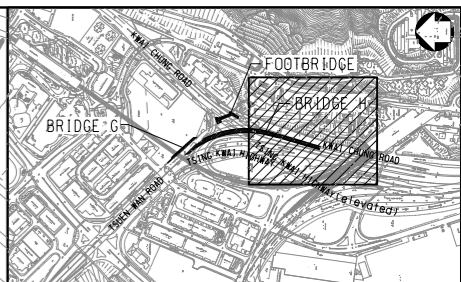
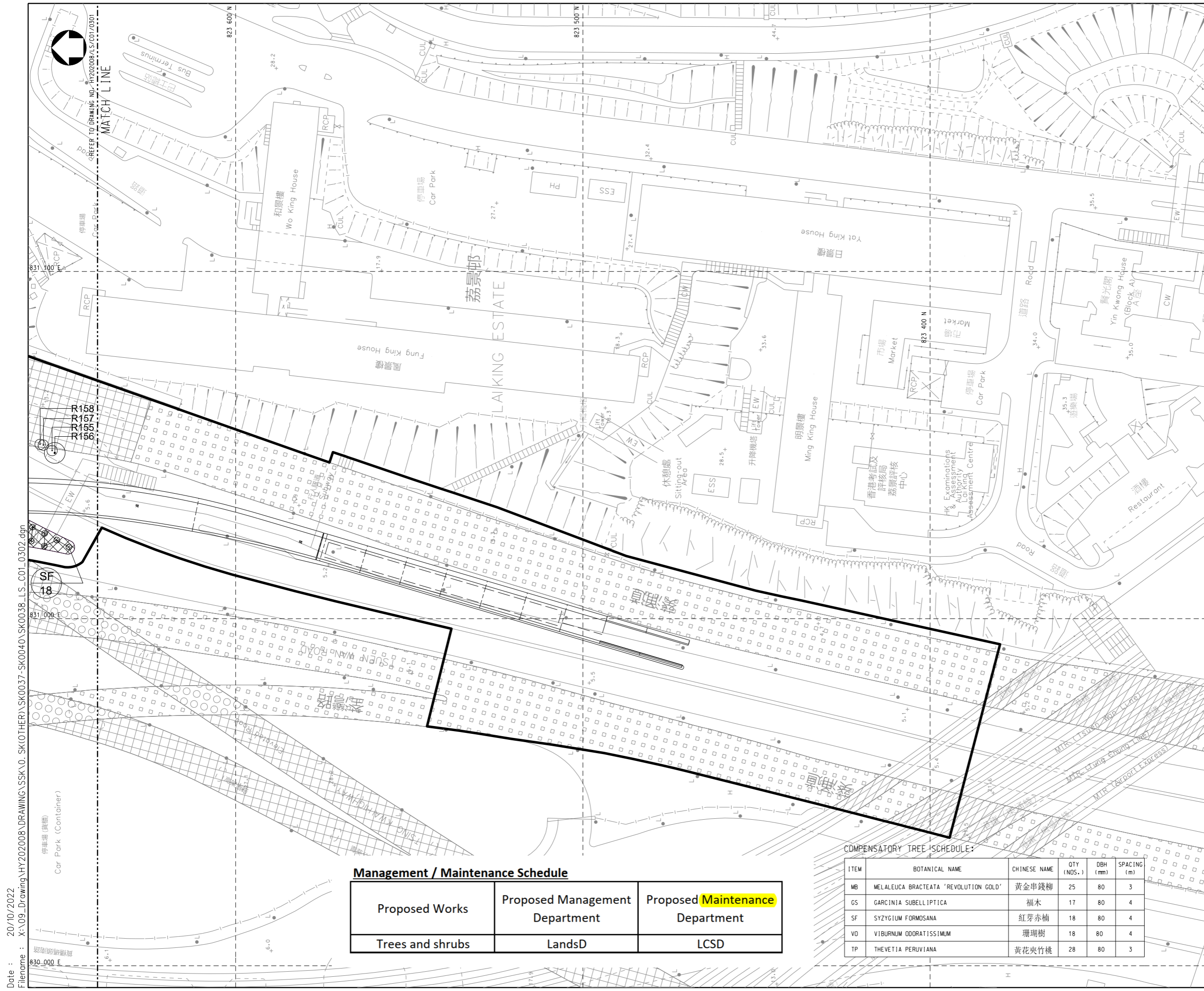
Proposed Works	Proposed Management Department	Proposed Maintenance Department
Trees and shrubs	LandsD	LCSD

COMPENSATORY TREE SCHEDULE:

ITEM	BOTANICAL NAME	CHINESE NAME	QTY (NOS.)	DBH (mm)	SPACING (m)
MB	MELALEUCA BRACTEATA 'REVOLUTION GOLD'	黃金串錢柳	25	80	3
GS	GARCINIA SUBELLIPTICA	福木	17	80	4
SF	SYZYGIUM FORMOSANA	紅芽赤楠	18	80	4
VO	VIBURNUM ODORATISSIMUM	珊瑚樹	18	80	4
TP	THEVETIA PERUVIANA	黃花夾竹桃	28	80	3

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KEY PLAN

- LEGEND :
- LIMIT OF WORKS SITE (AT GROUND LEVEL)
  - PROPOSED LIFT
  - PROPOSED AMENITY AREA
  - EXISTING AMENITY AREA TO BE RETAINED
  - TREE TO BE RETAINED
  - TO BE TRANSPLANTED
  - PROPOSED NEW COMPENSATORY TREE MAINTAINED BY LCSD

-	TO EPD	WST	20/10/22
Rev	Description	By	Date



Project title  
 CONTRACT NO. HY/2020/08  
 FLYOVER FROM KWAI TSING INTERCHANGE  
 UP-RAMP TO KWAI CHUNG ROAD

Drawing title  
**TREE COMPENSATION PLAN**  
 (SHEET 2 OF 6)

Drawing no. HY202008/SK0038		Rev. -	
Drawn VT	Date 20/10/2022	Checked EH	Approved EH
Scale 1:1000 (A3)		Status CONSTRUCTION	



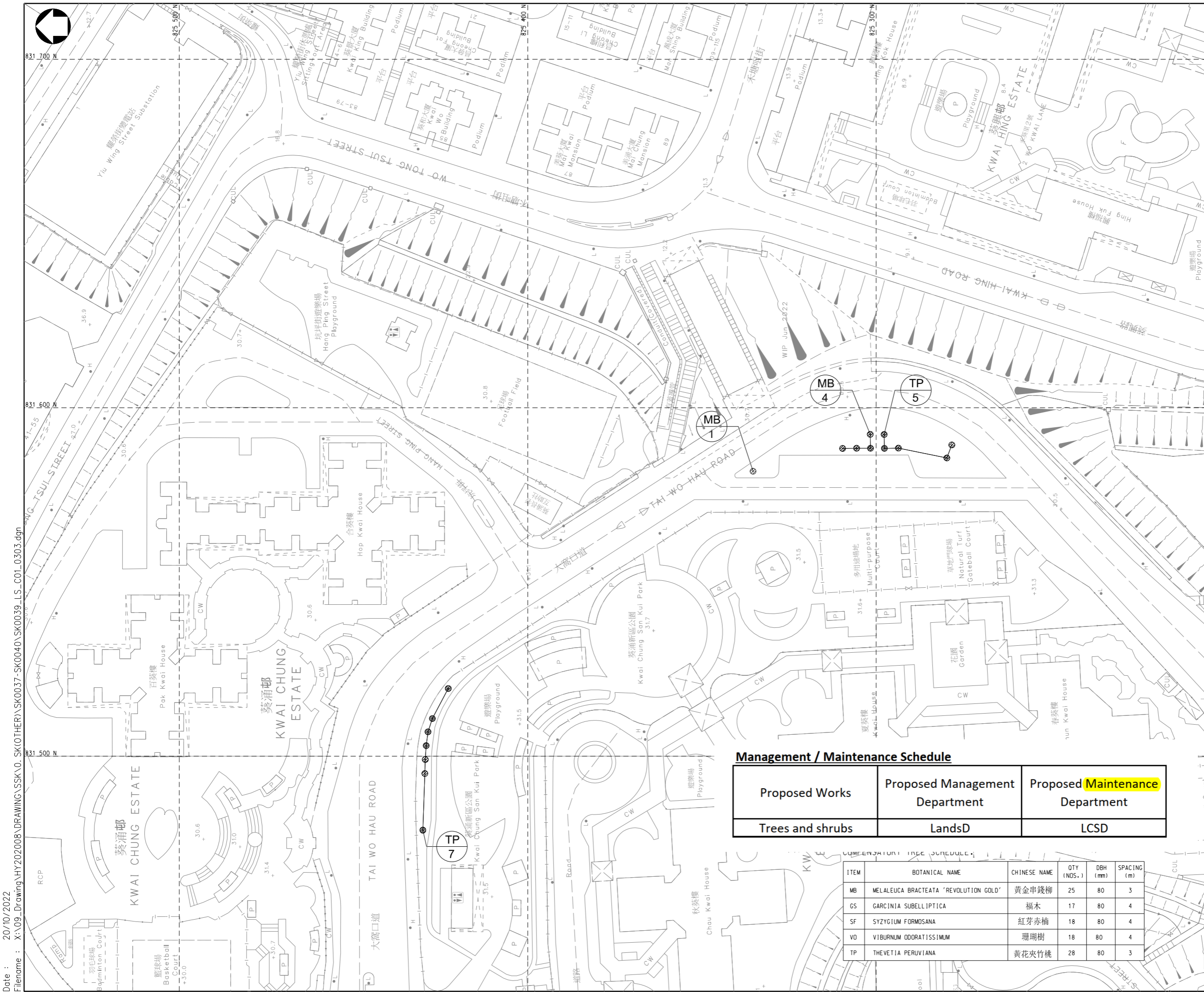
**Management / Maintenance Schedule**

Proposed Works	Proposed Management Department	Proposed Maintenance Department
Trees and shrubs	LandsD	LCSD

**COMPENSATORY TREE SCHEDULE:**

ITEM	BOTANICAL NAME	CHINESE NAME	QTY (NOS.)	DBH (mm)	SPACING (m)
MB	MELALEUCA BRACTEATA 'REVOLUTION GOLD'	黄金串钱柳	25	80	3
GS	GARCINIA SUBELLIPTICA	福木	17	80	4
SF	SYZYGIUM FORMOSANA	红芽赤楠	18	80	4
VO	VIBURNUM ODORATISSIMUM	珊瑚树	18	80	4
TP	THEVETIA PERUVIANA	黄花夹竹桃	28	80	3

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KEY PLAN

- LEGEND :
- LIMIT OF WORKS SITE (AT GROUND LEVEL)
  - PROPOSED LIFT
  - PROPOSED AMENITY AREA
  - EXISTING AMENITY AREA TO BE RETAINED
  - TREE TO BE RETAINED
  - TO BE TRANSPLANTED
  - PROPOSED NEW COMPENSATORY TREE MAINTAINED BY LCSD

-	TO EPD	WST	20/10/22
Rev	Description	By	Date



Project title  
 CONTRACT NO. HY/2020/08  
 FLYOVER FROM KWAI TSING INTERCHANGE  
 UP-RAMP TO KWAI CHUNG ROAD

Drawing title  
 TREE COMPENSATION PLAN  
 (SHEET 3 OF 3)

Drawing no. HY202008/SK0039		Rev. -	
Drawn VT	Date 20/10/2022	Checked EH	Approved EH
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**Management / Maintenance Schedule**

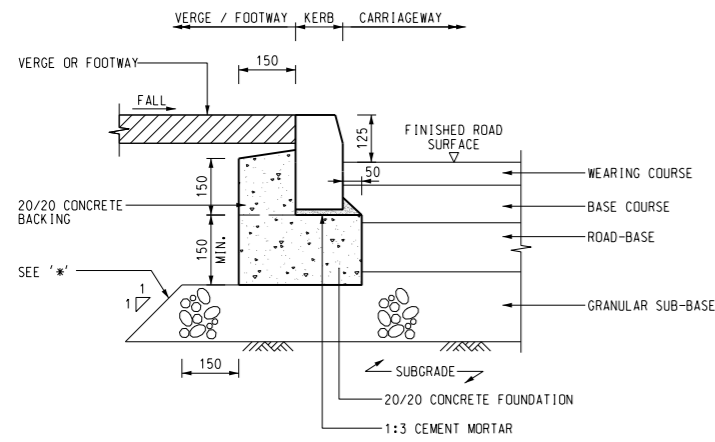
Proposed Works	Proposed Management Department	Proposed Maintenance Department
Trees and shrubs	LandsD	LCSD

ITEM	BOTANICAL NAME	CHINESE NAME	QTY (NOS.)	DBH (mm)	SPACING (m)
MB	MELALEUCA BRACTEATA 'REVOLUTION GOLD'	黄金串钱柳	25	80	3
GS	GARCINIA SUBELLIPTICA	福木	17	80	4
SF	SYZYGIUM FORMOSANA	红芽赤楠	18	80	4
VO	VIBURNUM ODORATISSIMUM	珊瑚树	18	80	4
TP	THEVETIA PERUVIANA	黄花夹竹桃	28	80	3

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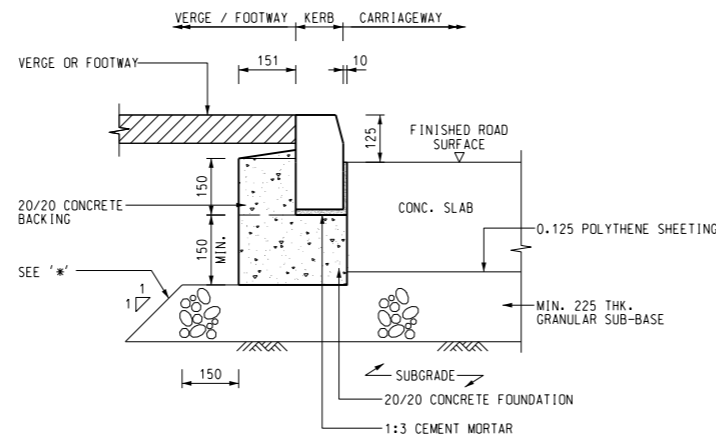


Appendix H1  
**Typical Landscape Details for Tree  
Planting**



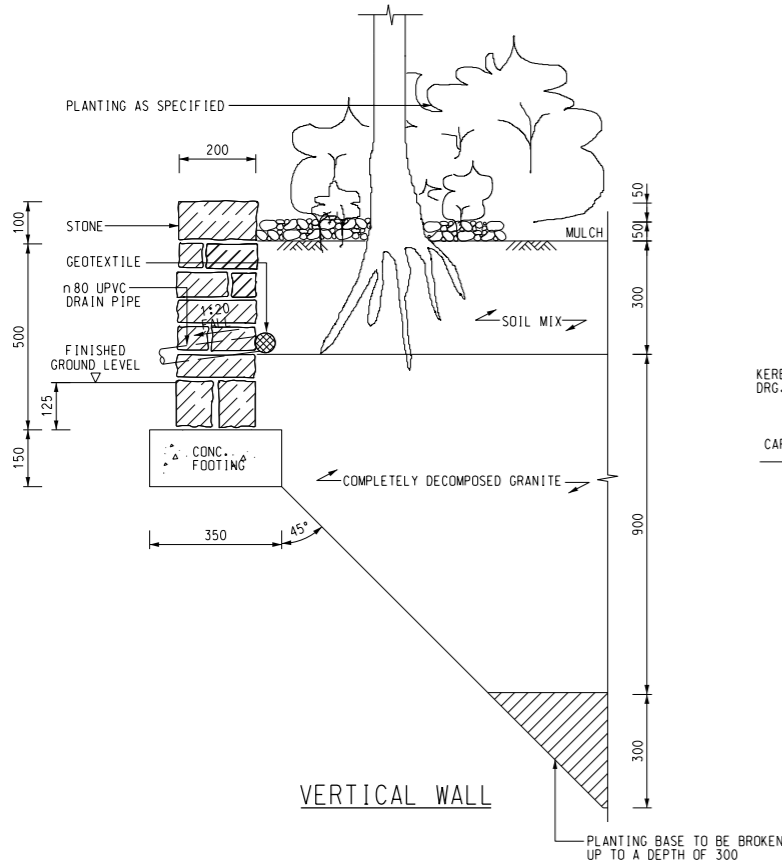
**TYPICAL BITUMINOUS PAVEMENT CONSTRUCTION**  
SCALE 1:10

\* WHERE THE CROSSFALL OF ROAD SURFACE IS TOWARDS THE KERB THE SUB-BASE SHALL BE CARRIED THROUGH TO THE EDGE OF THE EMBANKMENT OR TO THE SUB-SOIL OR FILTER DRAIN.

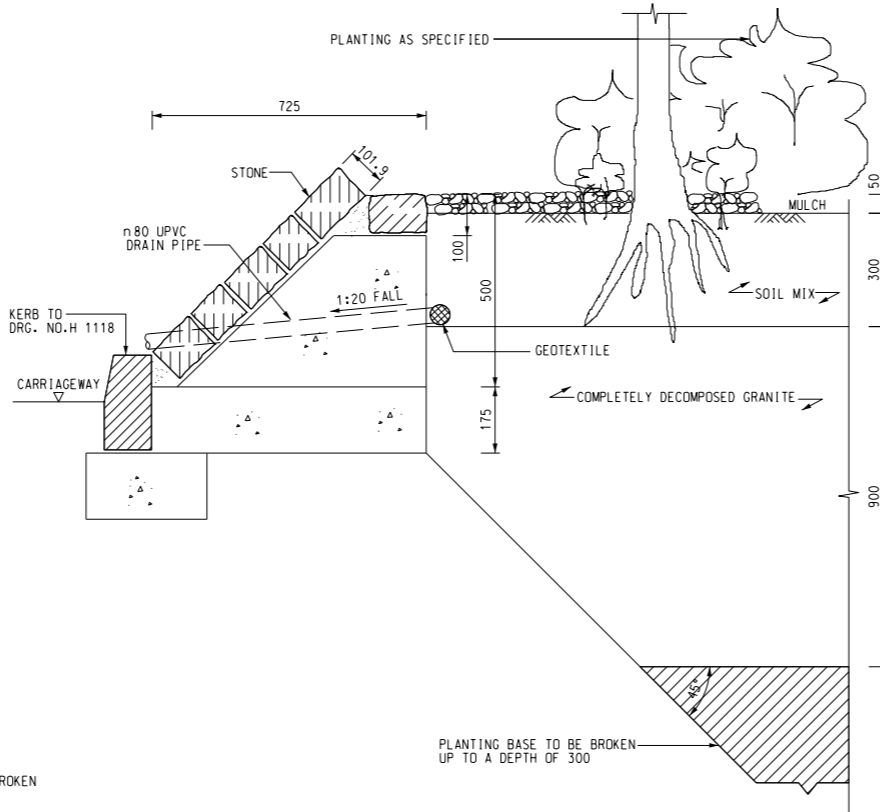


**TYPICAL UNREINFORCED CONCRETE PAVEMENT CONSTRUCTION**  
SCALE 1:10

\* WHERE THE CROSSFALL OF ROAD SURFACE IS TOWARDS THE KERB THE SUB-BASE SHALL BE CARRIED THROUGH TO THE EDGE OF THE EMBANKMENT OR TO THE SUB-SOIL OR FILTER DRAIN.

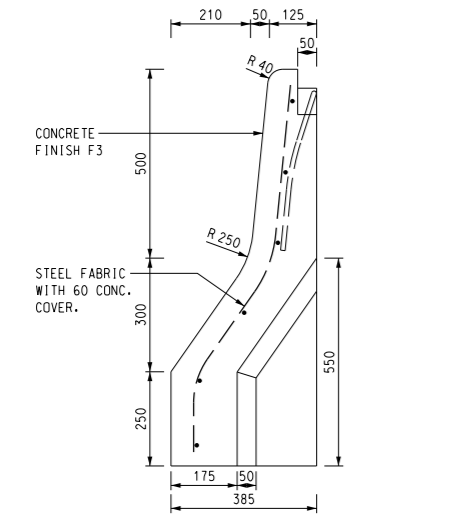


**VERTICAL WALL**

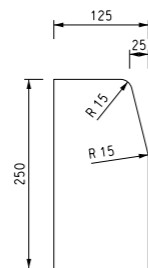


**SLOPING WALL**

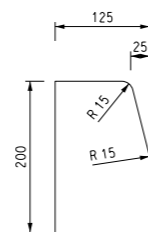
**TYPICAL DETAILS OF PLANTER STRUCTURE**  
N.T.S.



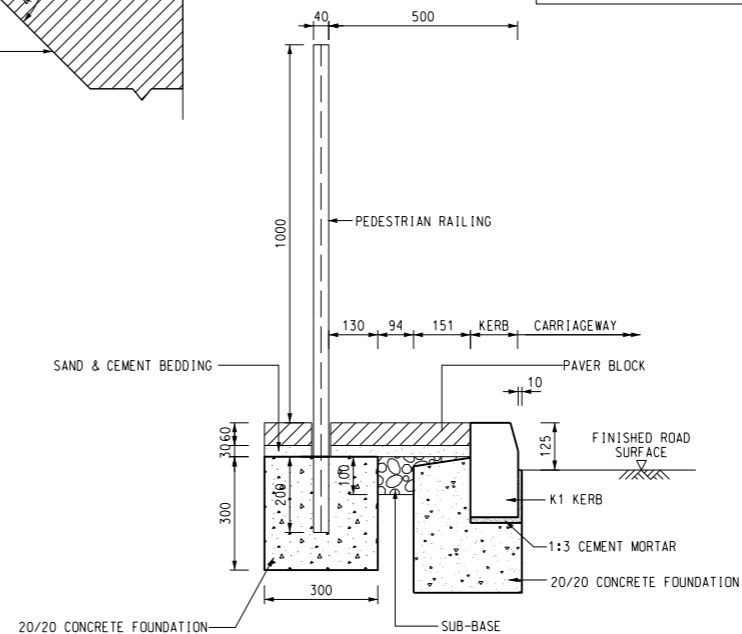
**STANDARD PRECAST CONCRETE PROFILE BARRIER - SINGLE FACED**  
SCALE 1:10



**KERB TYPE K1**  
SCALE 1:5



**KERB TYPE K3**  
SCALE 1:5



**TYPICAL SECTION AT TYPE 2 RAILING AND K1 KERB ON ROADS**  
SCALE 1:10

**NOTES :**

- DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
- DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.
- WEARING COURSE, BASE COURSE AND ROADBASE REFER TO G.S. SECTION 9.
- SUBBASE REFER TO G.S. SECTION 9.02.
- THE EXISTING PAVEMENT, HARD MATERIALS AND THE LIKE SHOULD BE BROKEN UP AND REMOVED BEFORE THE FORMATION OF PROPOSED ROADS, FOOTPATH, PLANTING AREA AND ASSOCIATED WORKS.
- CONCRETE PAVING BLOCKS TYPICAL CONSTRUCTIONS DETAILS AND DETAILS OF FOOTWAY SURFACING WERE TO THE LATEST VERSION OF THE HYD'S STANDARD DRAWINGS NO. H1103 UNLESS OTHERWISE SPECIFIED.
- FOR CONNECTION DETAILS OF ROADSIDE DIRECTIONAL SIGN, PLEASE REFERS TO HYD. STANDARD DRG. NO. H2212, 2213, 2214, 2221.
- GRADE 40/20 CONCRETE SHALL BE USED FOR ROADSIDE DIRECTIONAL SIGN FOOTING.
- THE MINIMUM COVER TO THE OUTERMOST REINFORCEMENT FOR ROADSIDE DIRECTIONAL SIGN FOOTING IN DIRECT CONTACT WITH GROUND SHALL BE 75mm OTHERWISE, THE MINIMUM COVER SHALL BE 45mm.
- GAPS IN SIGN PLATE SHALL BE SEALED WITH A POLYSULPHIDE, POLYURETHANE OR SILICONE SEALANT WHICH MUST BE RECOMMENDED BY THE SEALANT MANUFACTURER AS SUITABLE FOR THE INTENDED APPLICATION AND APPROVED BY THE ENGINEER.
- FOR ROAD PAVEMENT JOINT DETAILS, REFER TO HYD STANDARD DRAWING NOS. H1105 TO H1112.
- FOR TYPICAL DETAILS OF FLEXIBLE AND CONCRETE PAVEMENT CONSTRUCTION, REFER TO HYD STANDARD DRAWING NOS. H1101 AND H1102.
- GRADE 40/20 CONCRETE SHALL BE USED FOR CONCRETE PAVEMENT.
- FOR RESURFACING SECTION, EXISTING PAVEMENT SHALL BE COMPLETELY SCARIFIED AND SUBSEQUENTLY RESURFACED WITH FLEXIBLE PAVEMENT SPECIFIED.
- ALL FLEXIBLE PAVEMENT SHALL BE LAID BY PAVING MACHINE.
- MATERIAL AND FINISHES OF PAVEMENT BLOCK SHALL MATCH WITH ADJACENT EXISTING FOOTPATH.
- MAXIMUM WIDTH BETWEEN LONGITUDINAL JOINTS SHALL BE 4500mm, WHILE TRANSVERSE MINIMUM WIDTH OF SLAB SHALL BE 1000mm.
- FOR PAVEMENT, THE MINIMUM CBR VALUE OF ROAD BASE SHALL BE 5%. THE CONTRACTOR SHALL VERIFY AT LEAST 5 SAMPLES OF THE ELASTICITY OF SUBGRADE OF SOIL TO OBTAIN RELEVANT CBR VALUES BEFORE PAVEMENT CONSTRUCTION. THE LOCATION, METHOD AND PROCEDURES TO DETERMINE THE ELASTICITY OF SUBGRADE OF SOIL TO OBTAIN THE CBR VALUE SHALL BE AGREED WITH THE ENGINEER ON SITE.
- WHERE THE CROSSFALL OF ROAD SURFACE IS TOWARDS THE KERB THE SUB-BASE SHALL BE CARRIED THROUGH TO THE EDGE OF THE EMBANKMENT OR TO THE SUB-SOIL OR FILTER DRAIN.
- THE CONTRACTOR SHALL PROPOSE THE LOCATION OF THE LONGITUDINAL AND TRANSVERSE JOINTS FOR APPROVAL BY THE ENGINEER ON SITE. THE PANNELLING AND JOINT DETAILS OF CONCRETE PAVEMENT SHALL REFER TO GUIDANCE NOTES ON PANNELLING DESIGN AND JOINT CONSTRUCTION OF CONCRETE SLABS - RD/GN/020.
- WHERE EXISTING CARRIAGEWAY OR FOOTPATH IS SPECIFIED TO BE REMOVED OR EXCAVATED, THE CONSTRUCTION SHALL BE CARRIED OUT BY CUTTING A NEAT SAW LINE AT LEAST 40mm DEEP USING A DIAMOND DISC, SAW OR BY ANY OTHER APPROVED NEANS ALONG THE PROFILE OF THE SECTION TO BE REMOVED. THE WORKMANSHIPS FOR THE EDGE OF THE SAW CUT LINE AND REINSTATEMENT WORKS SHALL BE WORKED WITH THE SATISFACTION OF THE ENGINEER ON SITE.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING NO. HY202008/GN/C02/0101-0102.

Rev	Description	By	Date
Consultant			
Project title			
CONTRACT NO. HY/2020/08			
FLYOVER FROM KWAI TSING INTERCHANGE UPBRAMP TO KWAI CHUNG ROAD			
Drawing title			
ROAD WORKS - MISCELLANEOUS DETAILS (SHEET 1 OF 2)			
Drawing no.		Rev.	
HY202008/GN/C02/0301		-	
Drawn	Date	Checked	Approved
VT	31/05/2022	EH	EH
Scale	Status		
1:100 (A1)	CONSTRUCTION		

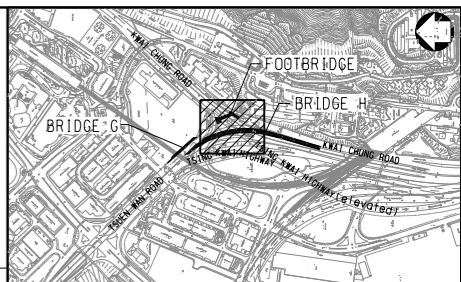
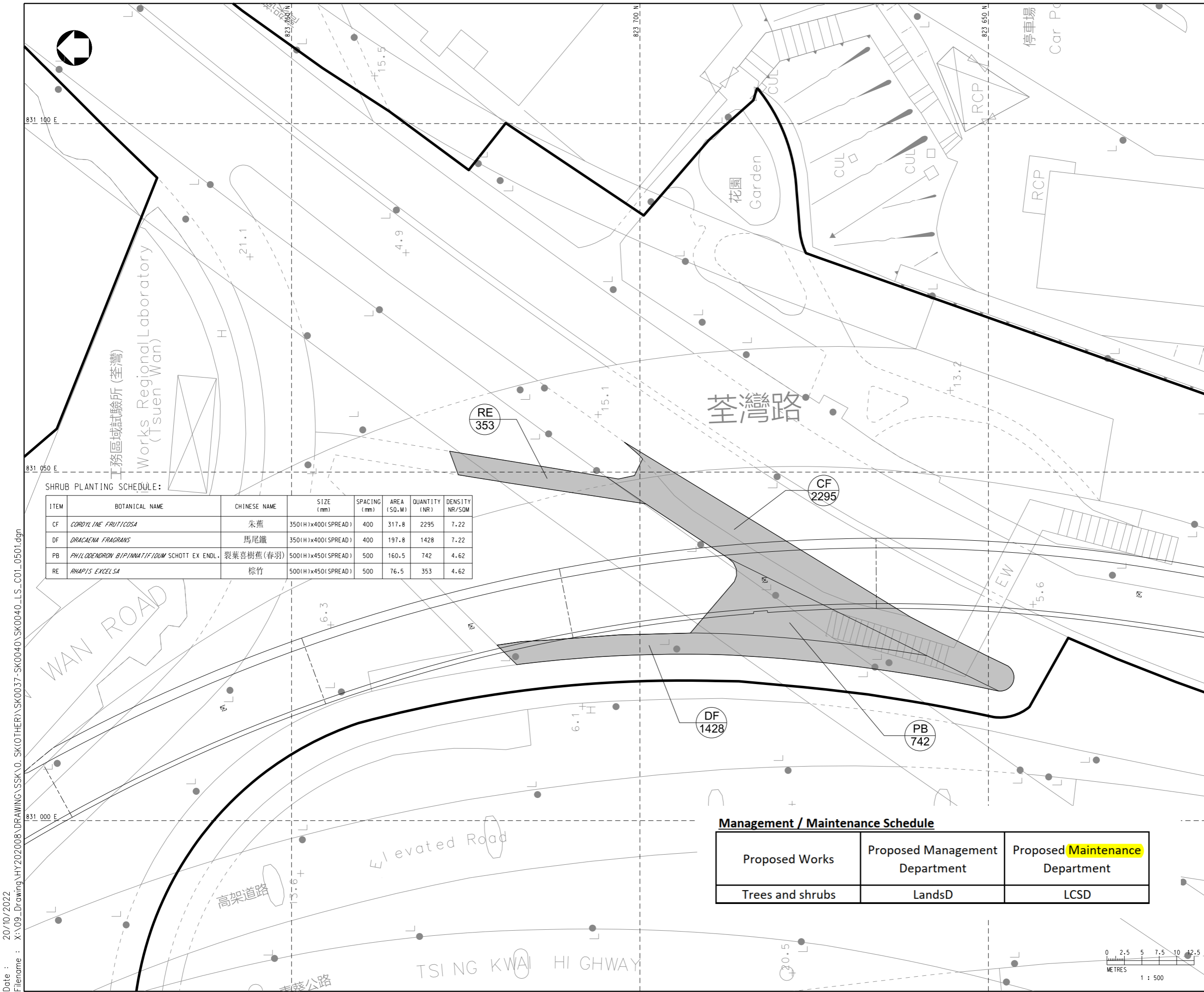
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**路政署**  
**HIGHWAYS DEPARTMENT**  
工程部  
WORKS DIVISION

Appendix H2


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**Proposed Shrubs Planting Plan**



KEY PLAN

LEGEND :

 PROPOSED SHRUB PLANTING TO BE MAINTAINED BY LCSD

NOTES :

1. EXACT PLANTING LOCATION AND QUANTITY SHALL BE VERIFIED ON SITE AND/OR TO BE AGREED WITH THE MAINTENANCE DEPARTMENT (LCSD).

SHRUB PLANTING SCHEDULE:

ITEM	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	SPACING (mm)	AREA (SQ.M)	QUANTITY (NR)	DENSITY NR/SOM
CF	<i>CORDYLINE FRUTICOSA</i>	朱蕉	350(H)x400(SPREAD)	400	317.8	2295	7.22
DF	<i>DRACAENA FRAGRANS</i>	馬尾鐵	350(H)x400(SPREAD)	400	197.8	1428	7.22
PB	<i>PHILODENDRON BIPINNATIFOLIUM</i> SCHOTT EX ENDL.	裂葉喜樹蕉 (春羽)	500(H)x450(SPREAD)	500	160.5	742	4.62
RE	<i>RHAPIS EXCELSA</i>	棕竹	500(H)x450(SPREAD)	500	76.5	353	4.62

Management / Maintenance Schedule

Proposed Works	Proposed Management Department	Proposed Maintenance Department
Trees and shrubs	LandsD	LCSD

-	TO EPD	WST	20/10/22
Rev	Description	By	Date

Consultant



Project title

CONTRACT NO. HY/2020/08

FLYOVER FROM KWAI TSING INTERCHANGE UP RAMP TO KWAI CHUNG ROAD


Drawing title

SHRUBS PLANTING PLAN

Drawing no. HY202008/SK0040

Drawn	Date	Checked	Approved
VT	20/10/2022	EH	EH
Scale	Status		
1:500 (A3)	CONSTRUCTION		

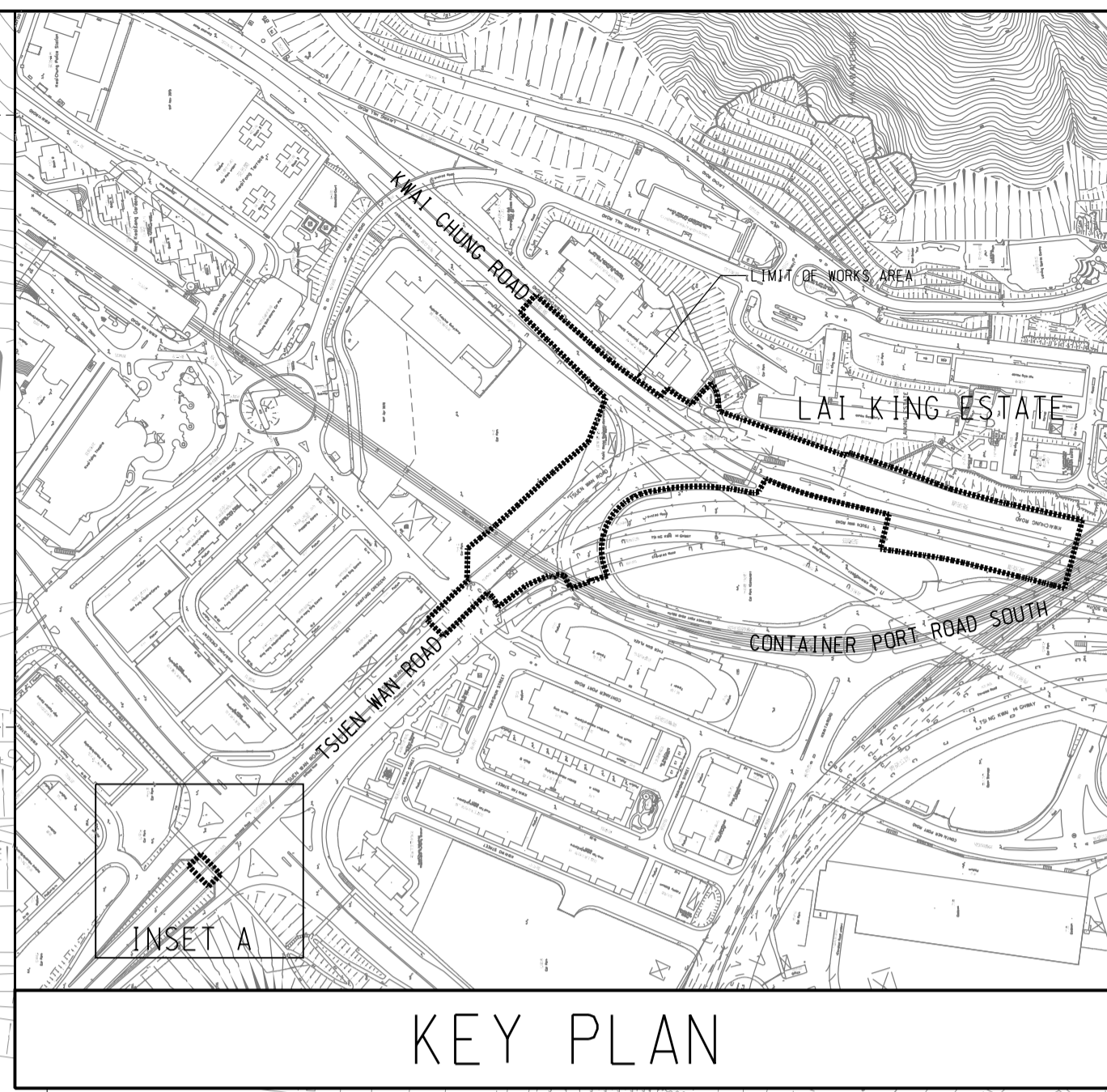
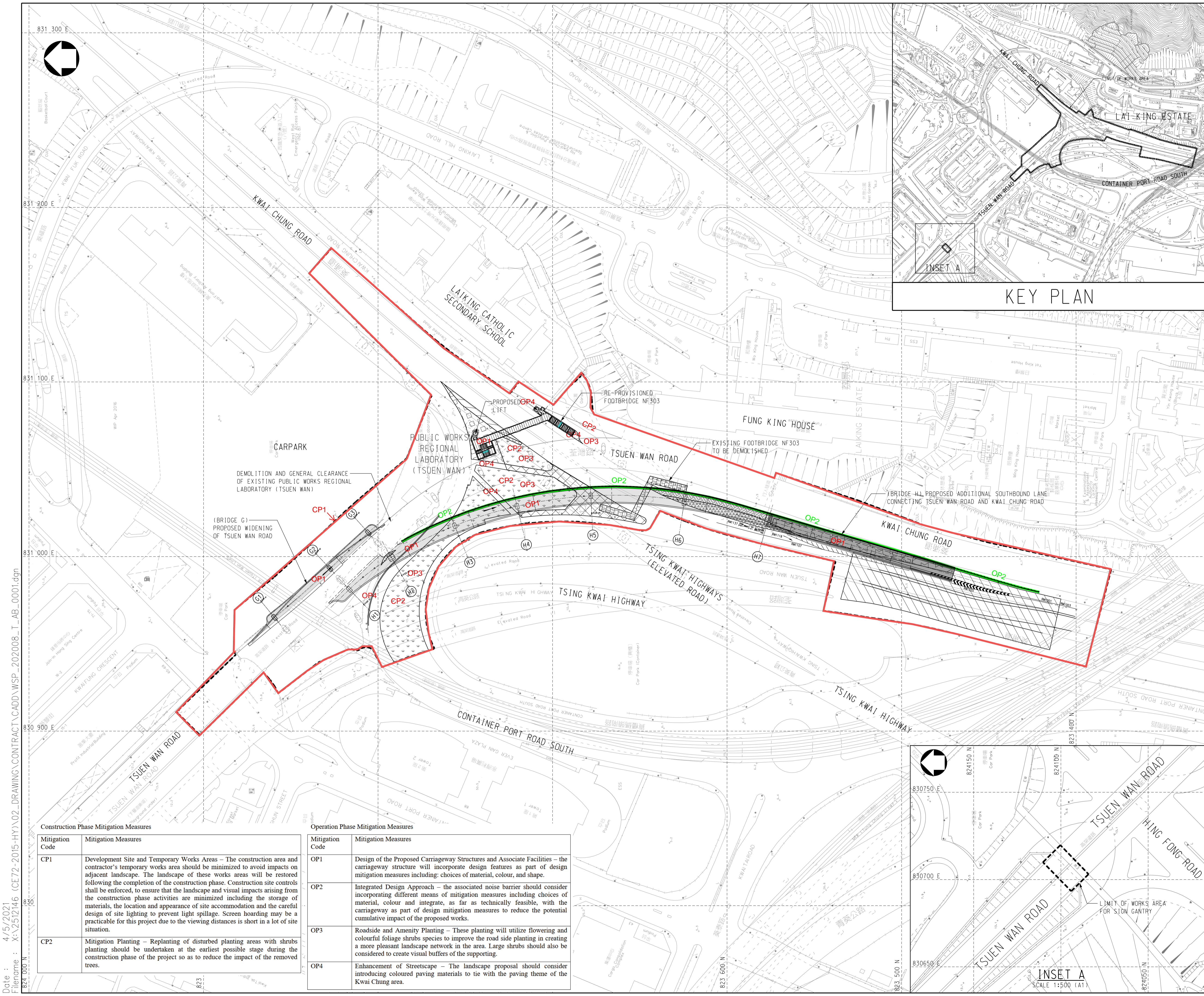
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工程處  
WORKS DIVISION

Date : 20/10/2022  
Filename : X:\09\_Drawing\HY202008\DRAWING\SSK\0.SK(OTHER)\SK0037-SK0040\SK0040\_LS\_C01\_0501.dgn

Appendix I

**Landscape Mitigation Measure  
during Construction and Operation  
Stage**



- NOTES :**
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.
  2. ALL LEVELS ARE APPROXIMATE VALUES AND IN METRES ABOVE HONG KONG PRINCIPAL DATUM.
  3. SECTIONS OF THE EXISTING CARRIAGEWAYS AND FOOTPATHS WITHIN THE LIMIT OF WORKS AREA MAY BE TEMPORARILY CLOSED IN PHASES AS AND WHEN REQUIRED.

- LEGEND :**
- LIMIT OF WORK SITE
  - PROPOSED COLUMN
  - ▨ PROPOSED ELEVATED CARRIAGEWAY
  - ▩ PROPOSED ABUTMENT
  - ▧ EXISTING BUS LAYBY TO BE PERMANENTLY CLOSED
  - ▦ EXISTING FOOTBRIDGE TO BE PERMANENTLY CLOSED AND DEMOLISHED
  - ▤ PROPOSED FOOTBRIDGE
  - ▥ PROPOSED AMENITY AREA
  - ▧ PROPOSED FOOTPATH
  - ▩ EXISTING AMENITY AREA TO BE RETAINED
  - ▨ EXISTING FOOTPATH TO BE PERMANENTLY CLOSED
  - ▧ EXISTING AT-GRADE CARRIAGEWAY TO BE TEMPORARILY CLOSED AND RECONSTRUCTED
  - ▩ EXISTING CENTRAL MEDIAN WITHIN AMENITY AREA TO BE DEMOLISHED AND CONVERTED TO FLYOVER ABUTMENT
  - ▧ EXISTING AMENITY AREA TO BE PERMANENTLY CLOSED
  - ▩ EXISTING AMENITY AREA TO BE DEMOLISHED AND CONVERTED TO FOOTPATH
  - ▨ EXISTING AMENITY AREA TO BE PERMANENTLY DEMOLISHED AND CONVERTED TO BUS LAYBY
  - ▧ PROPOSED NOISE BARRIER
  - ▩ PROPOSED LIFT

-	ISSUE FOR TENDER	EW	01/21
Rev	Description	By	Date

Consultant  
**wsp**

Project title  
CONTRACT NO. HY/2020/08  
FLYOVER FROM KWAI TSING INTERCHANGE  
UPRAMP TO KWAI CHUNG ROAD

Drawing title  
**GENERAL LAYOUT PLAN**

Drawing no. HY202008/AB/0001		Rev. -	
Drawn CSL	Date 29/11/2019	Checked SH	Approved EW
Scale 1:1000 (A1)		Status CONTRACT	

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**HIGHWAYS DEPARTMENT**  
**工程處**  
**WORKS DIVISION**

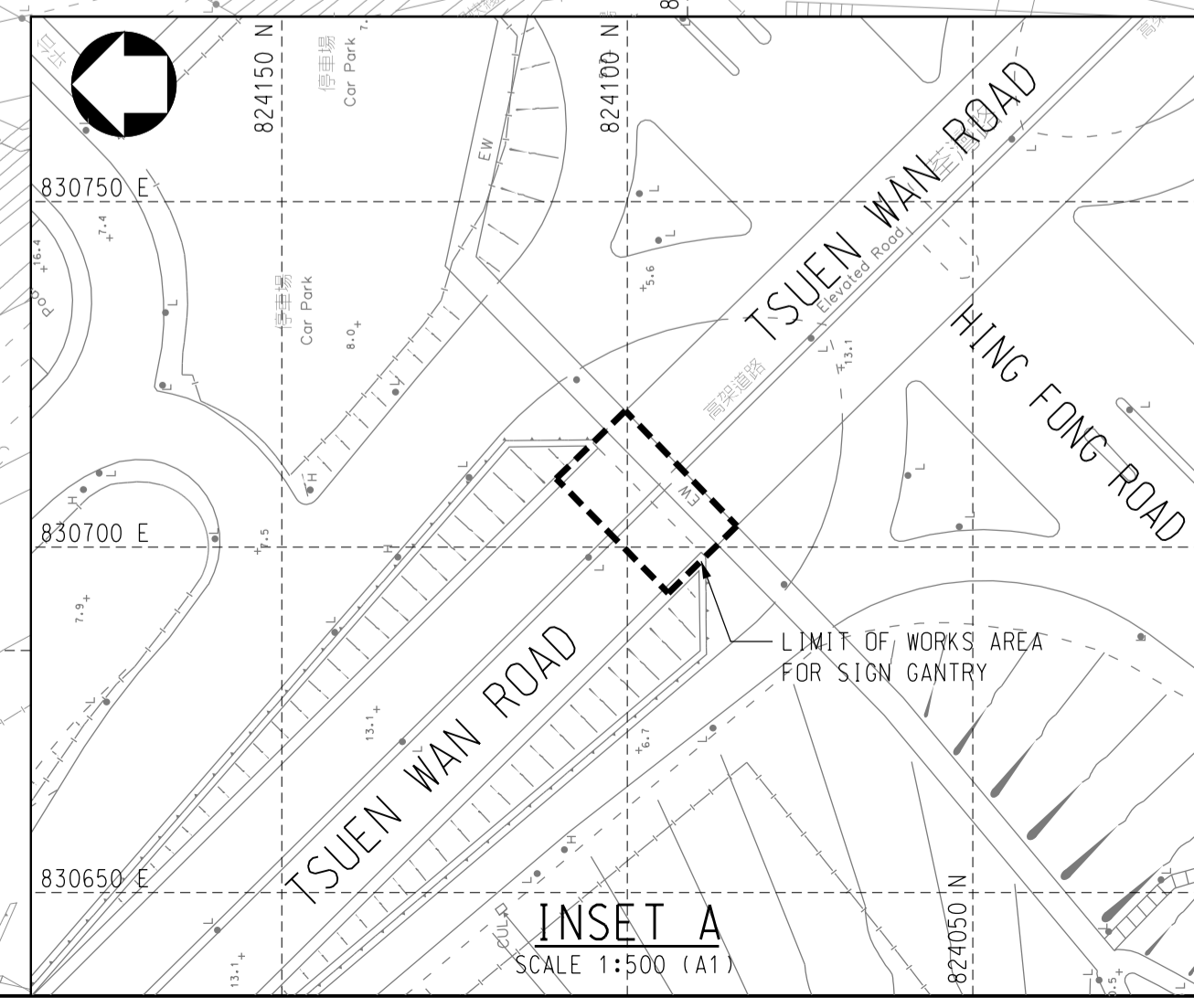
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Filename : X:\2512146 (CE72-2015-HY)\02\_DRAWING\CONTRACT\CADD\WSP\_202008\_T\_AB\_0001.dgn

**Construction Phase Mitigation Measures**

Mitigation Code	Mitigation Measures
CP1	Development Site and Temporary Works Areas – The construction area and contractor's temporary works area should be minimized to avoid impacts on adjacent landscape. The landscape of these works areas will be restored following the completion of the construction phase. Construction site controls shall be enforced, to ensure that the landscape and visual impacts arising from the construction phase activities are minimized including the storage of materials, the location and appearance of site accommodation and the careful design of site lighting to prevent light spillage. Screen hoarding may be a practicable for this project due to the viewing distances is short in a lot of site situation.
CP2	Mitigation Planting – Replanting of disturbed planting areas with shrubs planting should be undertaken at the earliest possible stage during the construction phase of the project so as to reduce the impact of the removed trees.

**Operation Phase Mitigation Measures**

Mitigation Code	Mitigation Measures
OP1	Design of the Proposed Carriageway Structures and Associate Facilities – the carriageway structure will incorporate design features as part of design mitigation measures including: choices of material, colour, and shape.
OP2	Integrated Design Approach – the associated noise barrier should consider incorporating different means of mitigation measures including choices of material, colour and integrate, as far as technically feasible, with the carriageway as part of design mitigation measures to reduce the potential cumulative impact of the proposed works.
OP3	Roadside and Amenity Planting – These planting will utilize flowering and colourful foliage shrubs species to improve the road side planting in creating a more pleasant landscape network in the area. Large shrubs should also be considered to create visual buffers of the supporting.
OP4	Enhancement of Streetscape – The landscape proposal should consider introducing coloured paving materials to tie with the paving theme of the Kwai Chung area.



Appendix J  

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**Maintenance / Operation /  
Management Schedule**

Item	Proposed Works	Proposed Management Departments	Proposed Maintenance Departments
1. Landscape works			
1.1	Trees and shrubs (preserved/transplanted/compensated)	LandsD	LCSD
1.2	Proposed amenity area including water point(s), excluding Trees and shrubs	LCSD	ArchSD (as maintenance agent of LCSD)
2. Other mitigation measures			
2.1	Proposed carriageway structure and associated facilities	TD	HyD/New Territories (Structural Maintenance Section)
2.2	Noise barrier	N/A	HyD/New Territories (Structural Maintenance Section)
2.3	Pavement	TD	HyD/New Territories (Structural Maintenance Section)

The management department is responsible for the management tasks of the facilities/structures/planters/trees in a specific area, which includes but not limited to handling complaints, coordination with the respective maintenance department, etc.

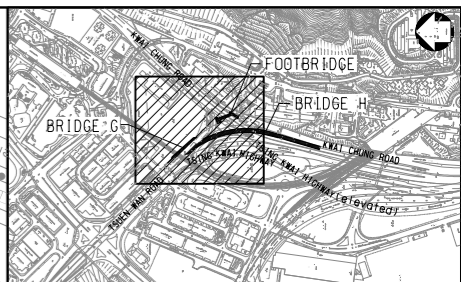
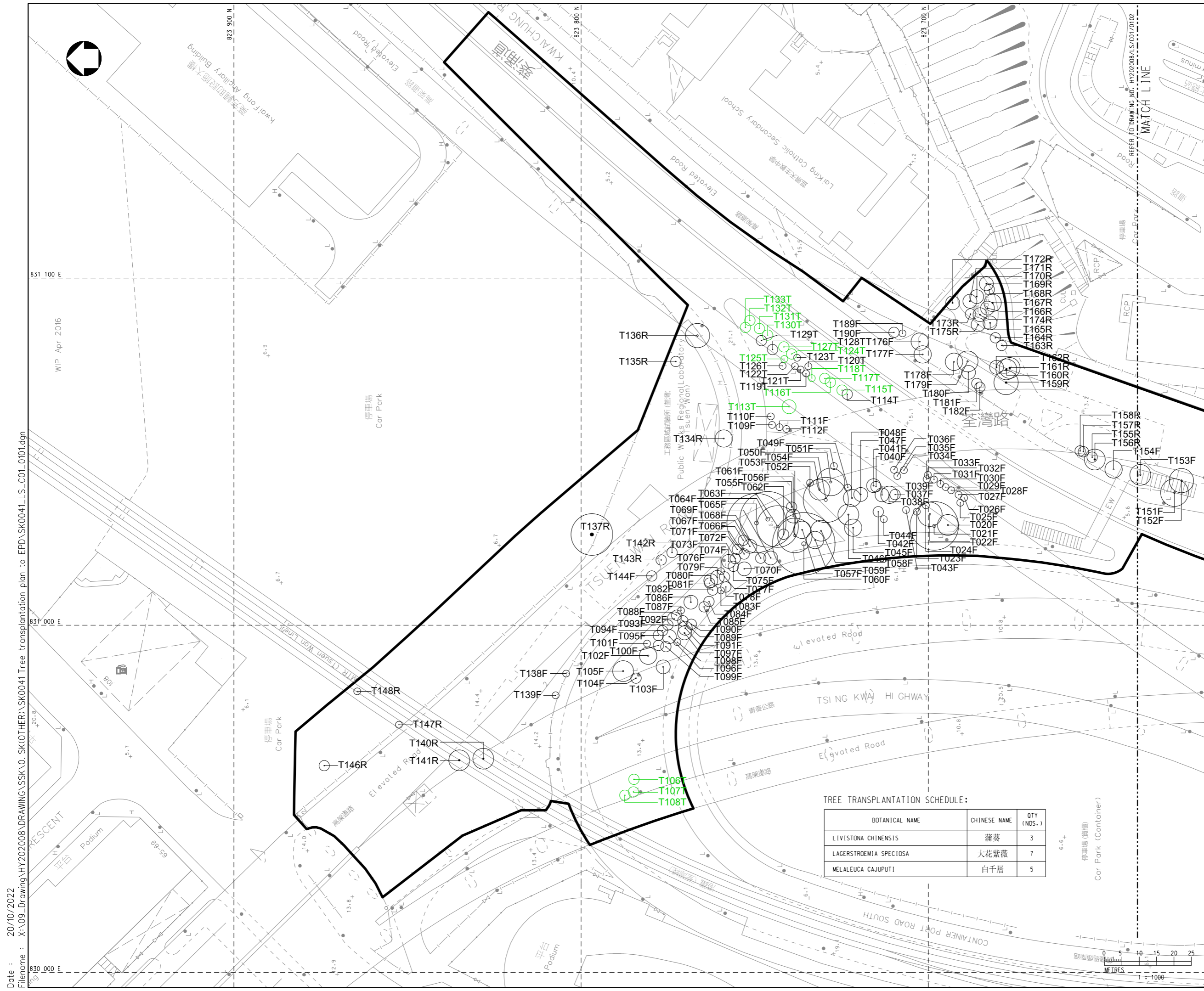
The maintenance department is responsible for the regular maintenance on the facilities/structures/planters/trees in a specific area. For trees, the maintenance department shall also carry out regular inspection, arboricultural maintenance and tree risk assessment.



Appendix K

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**Tree Transplantation Plan**



KEY PLAN

NOTES :  
 1. THE EXACT LOCATIONS OF TRANSPLANTATION OF TREES SHALL BE PROPOSED BY THE CONTRACTOR AND AGREED BY THE PROJECT MANAGER.

- LEGEND :
- EXISTING TREE
  - TREE TO BE TRANSPLANTED TO THE RECEPTOR SITE (i.e. ROADSIDE AMENITY AREA ALONG ROUTE & TSING SHA HIGHWAY) (TOTAL : 15 NOS.)
  - LIMIT OF WORKS SITE (AT GROUND LEVEL)
  - PROPOSED LIFT

TREE TRANSPLANTATION SCHEDULE:

BOTANICAL NAME	CHINESE NAME	QTY (NOS.)
LIVISTONA CHINENSIS	蒲葵	3
LAGERSTROEMIA SPECIOSA	大花紫薇	7
MELALEUCA CAJUPUTI	白千層	5

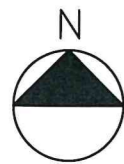
FOR EPD SUBMISSION		WST	20/10/22
Rev	Description	By	Date
Consultant			
Project title			
CONTRACT NO. HY/2020/08			
FLYOVER FROM KWAI TSING INTERCHANGE UP RAMP TO KWAI CHUNG ROAD			
Drawing title			
TREE TRANSPLANTATION PLAN			
Drawing no.		Rev.	
HY202008/SK0041		-	
Drawn	Date	Checked	Approved
VT	20/10/2022	EH	EH
Scale	Status		
1:1000 (A3)	CONSTRUCTION		
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WIP Apr 2016

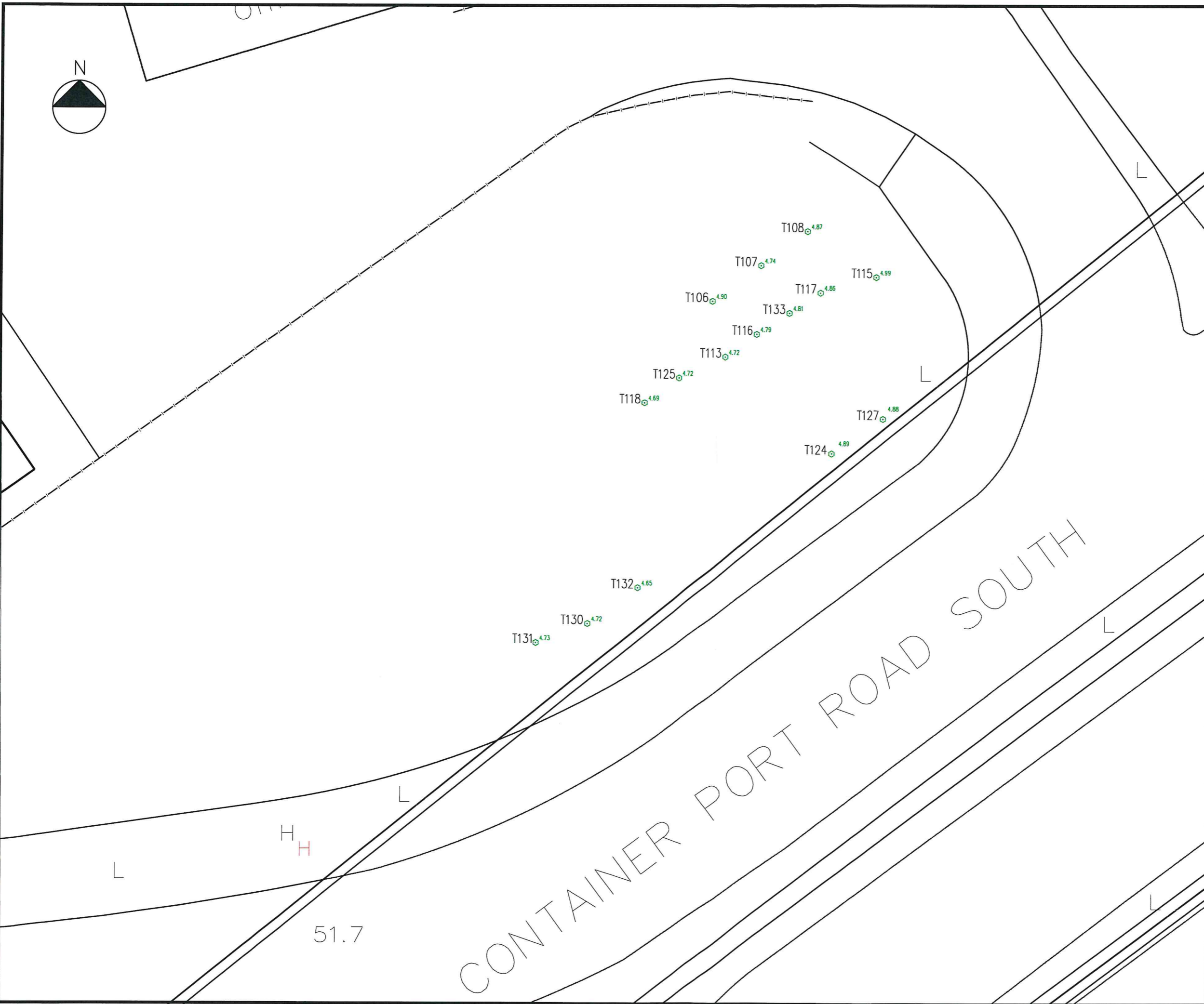




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Setting Out Point of Transplanted Trees:

T106	831478.896N	820329.442E
T107	831482.294N	820331.895E
T108	831485.493N	820334.222E
T113	831479.818N	820325.626E
T115	831490.226N	820331.078E
T116	831482.012N	820327.198E
T117	831486.398N	820330.019E
T118	831474.279N	820322.495E
T124	831487.193N	820319.014E
T125	831476.661N	820324.194E
T127	831490.741N	820321.385E
T130	831470.486N	820307.359E
T131	831466.938N	820306.048E
T132	831473.875N	820309.809E
T133	831484.260N	820328.629E



REV.	DATE	DESCRIPTION
0	MAR 22	FIRST ISSUE

Client :  
 路政署  
**HIGHWAYS DEPARTMENT**  
 工程部  
 WORKS DIVISION

Contractor :  
 **Peako**  
**必高工程**

Project :  
 CONTRACT NO. HY/2020/08  
 FLYOVER FROM KWAI TSING  
 INTERCHANGE UPRAMP TO KWAI  
 CHUNG ROAD

Drawing Title :  
 AS-BUILD RECORD OF  
 TRANSPLANTED TREES

Drawn by : ES Date : MAY 22

Checked by : CYW Date : MAY 22

Scale : NTS Print Date : 019 MAY 22

Project Code : PE2101

Drawing No. KTIC/PE2101/SK/026 REV. 0

Appendix L

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**Correspondence from LCSD**

## Szeto, Warren Wai-Hang

---

**From:** Ho, Stephen Yiu-Chung  
**Sent:** Friday, 26 February 2021 5:38 pm  
**To:** Kong, Tom Ho-Lok  
**Subject:** FW: CE 72/2015(HY)- Final Maintenance/ Operation/ Management Schedule (Issue 5)  
**Attachments:** 2512146A-GN-00385\_21.pdf

Please follow

Stephen Ho



D +852 2579-8780  
T +852 2579-8899  
F +852 2856-9902

**From:** Danny YC YEE <dycyee@lcsd.gov.hk>  
**Sent:** Friday, February 26, 2021 5:19 PM  
**To:** HKG-2512146A-CE72 <hkg.2512146a-ce72@wsp.com>  
**Cc:** Karen PY LAI <kpylai@lcsd.gov.hk>; Ello TK LAW <etklaw@lcsd.gov.hk>; CM KUN <cmkun@lcsd.gov.hk>; Phoenix WY LO <pwylol@lcsd.gov.hk>; Shing Chung POON <schpoon@lcsd.gov.hk>; KWTDO <kwtdo@lcsd.gov.hk>  
**Subject:** Re: CE 72/2015(HY)- Final Maintenance/ Operation/ Management Schedule (Issue 5)

Dear Mr YEUNG,

I refer to your email dated 19 Feb 2021 from WSP regarding the captioned subject.  
Our comments are as below:

From district management angle

Nil return, please.

From tree management angle

Re. Item 6.1 of the updated Maintenance & Management Schedule in Appendix A, **LCSD is only the maintenance department for roadside trees and shrubs according to Technical Circular (Works) No. 6/2015.** Their management responsibility should rest on Lands Department since they are located on public planting area of unleased and unallocated government land. You are therefore advised to revise relevant content of the Schedule for our further comment.

Thank you.

Best regards,  
Danny YEE  
SEA(P)21, LCSD  
Tel: 2601 7430  
Fax: 2695 3886

From: "HKG-2512146A-CE72" <hkg.2512146a-ce72@wsp.com>  
To: "elsps1-1.wd@hyd.gov.hk" <elsps1-1.wd@hyd.gov.hk>; "dekete.nt@hyd.gov.hk" <dekete.nt@hyd.gov.hk>; "matthewli@td.gov.hk" <matthewli@td.gov.hk>; "eop23@lcsd.gov.hk" <eop23@lcsd.gov.hk>

Cc: "HKG-2512146A-CE72" <[hkg.2512146a-ce72@wsp.com](mailto:hkg.2512146a-ce72@wsp.com)>  
Date: 19/02/2021 15:18  
Subject: CE 72/2015(HY)- Final Maintenance/ Operation/ Management Schedule (Issue 5)

---

Send on behalf of Mr. YW Yeung

Agreement No. CE 72/2015 (HY)  
Flyover From Kwai Tsing Interchange Upramp to Kwai Chung Road – Design and Construction  
**Final Maintenance/ Operation/ Management Schedule (Issue 5)**

Dear Mr. Sirs/Madams,

Please find letter ref.2512146A-GN-00385/21 of schedule for your retention. Hard copy of this correspondence will be delivered to your office accordingly.

If you have any comments, please send to us by **5 March 2021** via fax or email (address: [hkg-2512146a-ce72@wsp.com](mailto:hkg-2512146a-ce72@wsp.com)); if no responses is received by the due date, we assume you have no comment on the amendment.

Should you have any queries on the report, please do not hesitate to contact our Mr. Tom Kong at 2963 7744 or our Mr. Stephen Ho at 2579 8780.

Thanks and Regards  
Y W Yeung  
Tel 852-2579 8879



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**Appendix A****Areas of Responsibilities of Departments on Maintenance of Vegetation**

<b>Item</b>	<b>Land category of landscaped areas</b>	<b>Maintenance departments</b>	<b>Remarks</b>
1.	Allocated government land	Allocatee department	For government buildings managed by GPA, GPA will manage the vegetation within the building boundary/allocated boundary.  See note (i) below for further guidelines.
2.	Public Housing	HD	Vested land including Temporary Housing Areas and Cottage Areas
3.	Unleased/unallocated government land (UUGL)  [See Note (ii) for wetland planting and other plantings recommended by the EIA Ecological Impact Assessment (EcoIA).]		
(a)	SIMAR Slopes	Slope maintenance departments (see DEVB TCW No. 6/2011)	The department responsible for maintenance of SIMAR slopes should also maintain the vegetation on the slopes, unless another department agrees to take up the maintenance responsibility of the vegetation.
(b)	Along non-expressway public roads outside country park	LCSD <sup>1</sup>	To maintain vegetation on landscaped areas, including planting on roadside toe wall planters of SIMAR slopes and man-made slopes not registered in the SIMAR database.
(c)	Along non-expressway public roads within country park	AFCD <sup>1</sup>	
(d)	Within the boundary of expressways	HyD	See Note (iii) below for further guidelines for vegetation planted under an elevated expressway.
(e)	Landscaped deck/noise enclosure of public roads without pedestrian or vehicular access.	HyD	To maintain both the vegetation and hard landscape features.

<sup>1</sup> HyD is responsible for clearance of vegetation that poses an imminent danger to the pedestrian and road users.

Item	Land category of landscaped areas	Maintenance departments	Remarks
	(f) <b>Public road-structures with pedestrian or vehicular access</b> (e.g. planting on the roof or inside of footbridges, covered walkways, landscaped deck or noise enclosure cum open space)	<b>LCSD</b>	(i) To maintain vegetation and the removable planters attached to the parapet or railing of footbridges or elevated roads/flyovers.  (ii) To maintain vegetation on the roof of road-structures, e.g. footbridge and covered walkways etc.  See Note (iv) below for further guidelines.
	(g) DSD's stormwater drainage systems and facilities, etc.	DSD	To maintain vegetation in DSD's nullahs, drainage channels and engineered watercourses, including cutting and trimming of the overgrowth, unless another maintenance party has agreed to take up the maintenance responsibility of the vegetation.  See Note (v) and (vi) below for further guidelines.
	(h) Drainage Reserve on UUGL	DSD	To maintain vegetation on the Drainage Reserve if the drainage installations are above ground.  See notes (vii) below for further guidelines.
	(i) Waterworks Reserve on UUGL	WSD	To maintain vegetation on Waterworks Reserve if the waterworks installations are above ground.  See note (vii) below for further guidelines.
	(j) Along footpaths within village environs and access roads maintained by HAD	HAD	To carry out <i>ad hoc</i> maintenance, mainly in the form of grass cutting when a requirement is identified or a complaint/referral is received.  See note (viii) for further guidelines.



Item	Land category of landscaped areas	Maintenance departments	Remarks
	(k) Along access roads or footpaths which are solely used by a department (e.g. DSD, WSD etc)	The user department	The user department to maintain the vegetation, unless another department has agreed to take up the maintenance responsibility of the vegetation.
	(l) Unleased and unallocated government land within 10 metres (m) from kerb of public roads and not covered by the above.	LCSD	To maintain the trees and carry out associated vegetation maintenance work (such as clearing of undesirable climbers, weeds, etc.)
	(m) All other unleased and unallocated government land not covered by the above.	LandsD	To carry out <i>ad hoc</i> maintenance. See Note (iii) for further guidelines.

**Notes :**

- (i) For government accommodations in private developments in which the Government is a co-owner, the building management will manage the vegetation in the common areas and arrangements will be made by GPA to manage those areas, where necessary, within the boundary of the premises.
- (ii) AFCD will maintain mitigation planting as recommended by the EIA Ecological Impact Assessment (EcoIA), including wetland planting or other specialized planting, except for woodland planting on SIMAR slopes and roadside landscaped areas where the maintenance responsibility should follow items 3(a)-3(d), 3(j) and 3(k) in this Appendix. In general, AFCD will maintain the ecological planting as recommended by EIA till the vegetation is fully established (which normally takes about 9 years). Thereafter, LandsD will undertake ad-hoc maintenance for the vegetation as and when the need arises.
- (iii) Where the proposed landscaped area is on UUGL and not maintained by any other departments, e.g. beyond 10 m from kerb of public roads, the initiating department or its agent should adopt appropriate species such that the vegetation on the area will be well established within the contract Establishment Period. Such landscaped area will be handed back to LandsD upon completion of the works for *ad hoc* maintenance (e.g. tree felling, trimming and grass cutting) when a requirement is identified and/or a complaint is received.
- (iv) The works agent (e.g. HyD) will provide LCSD with water points, irrigation system where feasible, as well as proper access and safe working conditions for maintenance of the vegetation. LCSD is responsible for the maintenance of the vegetation as well