MTR Corporation Limited

West Island Line Project

Audit Report for the Compensatory Trees – part 3 (Works areas for Sai Ying Pun and HKU Stations)

Verified by:	(Inhi
Position:	Independent Environmental Checker
Date:	22 July 2016

MTR Corporation Limited

West Island Line Project

Audit Report – part 3 (Works areas for Sai Ying Pun and HKU Stations)

Certified by: _	Q hoa
Position:	Environmental Team Leader
Date:	2 2 JUL 2016



West Island Line Consultancy Agreement No. C735F Arborist for Tree Protection

Audit Report for the Compensatory Trees of Sai Ying Pun & HKU Stations

Prepared by:	Reviewed by:	Approved by:
Patty Chu	Rachel Siu	Wen Wong
REM	Chh	Clembonny.
Date: 20 Jul 2016	Date: 20 Jul 2016	Date: 20 Jul 2016



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1 Introduction

Muni Arborist Ltd (MAL) was commissioned by MTR Corporation (MTR) to conduct audit inspections and to prepare the Audit Report, as required by the Environmental Permit No. EP-313/2008/J. The Audit Report is to present findings of tree audit inspections for the implementation of recommendations in the Tree Protection Plan (TPP), which was submitted under the EP Condition 2.7.

As the program of completing the construction works and landscaping works (as well as compensatory trees planting) vary in different locations, audit inspections will be carried out in different time period when the landscaping works are completed. This report is Part 3 of the Audit Report; it presents the findings of the audit inspection for the on-site planted compensatory trees for Sai Ying Pun Station (SYP) and HKU Station (HKU). The audit inspection was conducted on 31 March 2016. Audits for other compensatory trees for West Island Line (i.e. compensatory trees at off-site for SYP and HKU) will be conducted in due course.



2 Tree Audit and Findings

An audit inspection was carried on 31 March 2016. The compensatory trees were planted at the following locations:

- HKU adjacent to Haking Wong Building (HKU Entrance A)
- Hill Road Rest Garden (HKU Entrance B2)
- Pok Fu Lam Road (HKU Entrance C1)
- Belcher's Street (HKU Entrance C2)
- King George V Memorial Park
- Sai Woo Lane Children Playground (SYP Entrance A1)
- Centre Street Market Sitting Out Area (SYP Entrance B1/B2)
- Mui Fong Street Children's Playground and Public Toilet

The tree species proposed in the compensatory planting proposal in TPP (Rev. F) are as follows:

HKU adjacent to Haking Wong Building (HKU Entrance A)

Туре	Botanical Name	Chinese	No(s).
		Common Name	
Tree	Michelia x alba	白蘭	2

Hill Road Rest Garden (HKU Entrance B2)

Туре	Botanical Name	Chinese Common Name	No(s).
Tree	Elaeocarpus hainanensis	水石榕	4
Tree	Terminalia mantaly	小葉欖仁	9
Tree	Lagerstroemia speciosa	大花紫薇	10
Tree	Artocarpus communis	麵包樹	1
	(Heavy standard)		
Tree	Artocarpus communis	麵包樹	2
	(Semi-mature)		



Pok Fu Lam Road (HKU Entrance C1)

Туре	Botanical Name	Chinese	No(s).
		Common Name	
Tree	Elaeocarpus hainanensis	水石榕	6
Tree	Lagerstroemia speciosa	大花紫薇	12

Belcher's Street (HKU Entrance C2)

Type	Botanical Name	Chinese	No(s).
		Common Name	
Tree	Ficus benjamina	垂葉榕	6

King George V Memorial Park

Type	Botanical Name	Chinese	No(s).
		Common Name	
Tree	Bauhinia x blakeana	洋紫荊	12
Tree	Ficus benjamina	垂葉榕	6
Tree	Lagerstroemia speciosa	大花紫薇	12
Tree	Michelia x alba	白蘭	6

Sai Woo Lane Children Playground (SYP Entrance A1)

Туре	Botanical Name	Chinese	No(s).
		Common Name	
Tree	Bauhinia x blakeana	洋紫荊	6
Tree	Ficus benjamina	垂葉榕	3
Tree	Peltophorum pterocarpum	盾柱木(雙翼豆)	9
Tree	Jacaranda mimosifolia	藍花楹	11
Tree	Lagerstroemia speciosa	大花紫薇	7
Tree	Michelia x alba	白蘭	11

Centre Street Market Sitting Out Area (SYP Entrance B1/B2)

Туре	Botanical Name	Chinese Common Name	No(s).
Tree	Garcinia subelliptica	福木	0



Mui Fong Street Children's Playground and Public Toilet

Type	Botanical Name	Chinese	No(s).
		Common Name	
Tree	Bauhinia x blakeana	洋紫荊	11
Tree	Ficus benjamina	垂葉榕	8
Tree	Lagerstroemia speciosa	大花紫薇	7
Tree	Michelia x alba	白蘭	3

Among these 173 trees in the TPP (Rev. F), the inspection findings are 69 trees differ from the compensatory planting proposal in size (23 trees), in tree location (21 trees), in tree species (23 trees), and in both size and location (2 trees); 11 trees are dead, and 10 trees are not found; and the other 83 trees are the same as recommended in the TPP (Rev.F). In addition, 4 additional trees are found on site.

As informed by MTR, the dead trees will be replaced with new trees. Due to space limitation and request by the maintenance parties, 10 no. of trees were not recommended to plant on-site and therefore not found. In addition, variations of tree sizes, species and locations as well as 4 no. of additional trees were requested by the maintenance parties, with these variations have been agreed with the representatives of maintenance parties on site. These variations are included in the subsequent updates of the Tree Removal Applications (TRA); and are reflected in the landscape as-built drawings in Appendix B. Details of inspection findings are as follows:

HKU adjacent to Haking Wong Building (HKU Entrance A)

- 2 *Michelia* x *alba* are replaced with 2 *Lagerstroemia speciosa* and have been located differently from the TPP (Rev.F).

Hill Road Rest Garden (HKU Entrance B2)

- 5 Lagerstroemia speciosa are not found.
- 13 trees differ from the compensatory planting proposal in tree location.
 (6 Terminalia mantaly, 3 Artocarpus communis, 2 Lagerstroemia speciosa and 2 Elaeocarpus hainanensis).
- 1 additional *Terminalia mantaly* is found on site.



- 1 tree (Tree ID: T020 in Appendix B) differed from the compensatory planting proposal in size.
- Overall trees health and form are in fair condition.

Pok Fu Lam Road (HKU Entrance C1)

- 2 additional Caryota maxima are found on site.
- 7 trees (Tree ID: CT1, CT2, CT4, CT5, CT6, CT12 and CT14 in Appendix B) are dead and will be replaced.
- 1 tree (Tree ID: CT17 in Appendix B) differs from the compensatory planting proposal in size.
- Overall trees health and form are in fair condition.

Belcher's Street (HKU Entrance C2)

- 6 Cinnamomum camphora are found on site, to replace the 6 Ficus benjamina in the compensatory planting proposal.

King George V Memorial Park

- 2 Ficus benjamina are not found.
- 3 Lagerstroemia speciosa differ from the compensatory planting proposal in tree location.
- 1 tree (Tree ID: GCT14 in Appendix B) is dead and will be replaced.
- 8 trees (Tree ID: GCT05, GCT06, GCT18, GCT24, GCT25, GCT26, GCT29 and GCT36 in Appendix B) differ from the compensatory planting proposal in size.
- Overall trees health and form are in fair condition.

Sai Woo Lane Children Playground (SYP Entrance A1)

- 3 trees are not found. (1 *Michelia* x *alba*, 1 *Jacaranda mimosifolia* and 1 *Lagerstroemia speciosa*).
- 1 additional *Falcataria moluccana* is found on site.
- 5 trees differ from the compensatory planting proposal in tree location (3 *Lagerstroemia speciosa* and 2 *Michelia* x *alba*).
- 3 trees (Tree ID: JCT-05, JCT-06 and JCT-07 in Appendix B) are dead and will be replaced.
- 9 Falcataria moluccana are found on site to replace 9 Peltophorum pterocarpum in the compensatory planting proposal.
- 1 tree (Tree ID: JCT11 in Appendix B) differs from the compensatory planting proposal in size.
- Overall trees health and form are in fair condition.



Centre Street Market Sitting Out Area (SYP Entrance B1/B2)

- 9 trees (Tree ID: SYP-01, SYP-02, SYP-03, SYP-04, SYP-05, SYP-06, SYP-07, SYP-08 and SYP-09 in Appendix B) differ from the compensatory planting proposal in size.
- Overall trees health and form are in fair condition.

Mui Fong Street Children's Playground & Public Toilet

- 8 Cassia fistula are found on site to replace the 8 Ficus benjamina in the compensatory planting proposal.
- 3 trees (Tree ID: SYP-18, SYP-23 and SYP-30) differ from the compensatory planting proposal in size.
- Overall trees health and form are in fair condition.

Trees in King George V Memorial Park, HKU adjacent to Haking Wong Building (HKU Entrance A), Pok Fu Lam Road (HKU Entrance C1) and Belcher's Street (HKU Entrance C2) have been handed over to the maintenance parties. Appendix A is the compensatory planting proposal of Sai Ying Pun & HKU Stations in the TPP (Rev. F), Appendix B is the as-built drawings of compensatory trees for Sai Ying Pun & HKU Stations, and Appendix C is the photographic record of the trees during inspection.

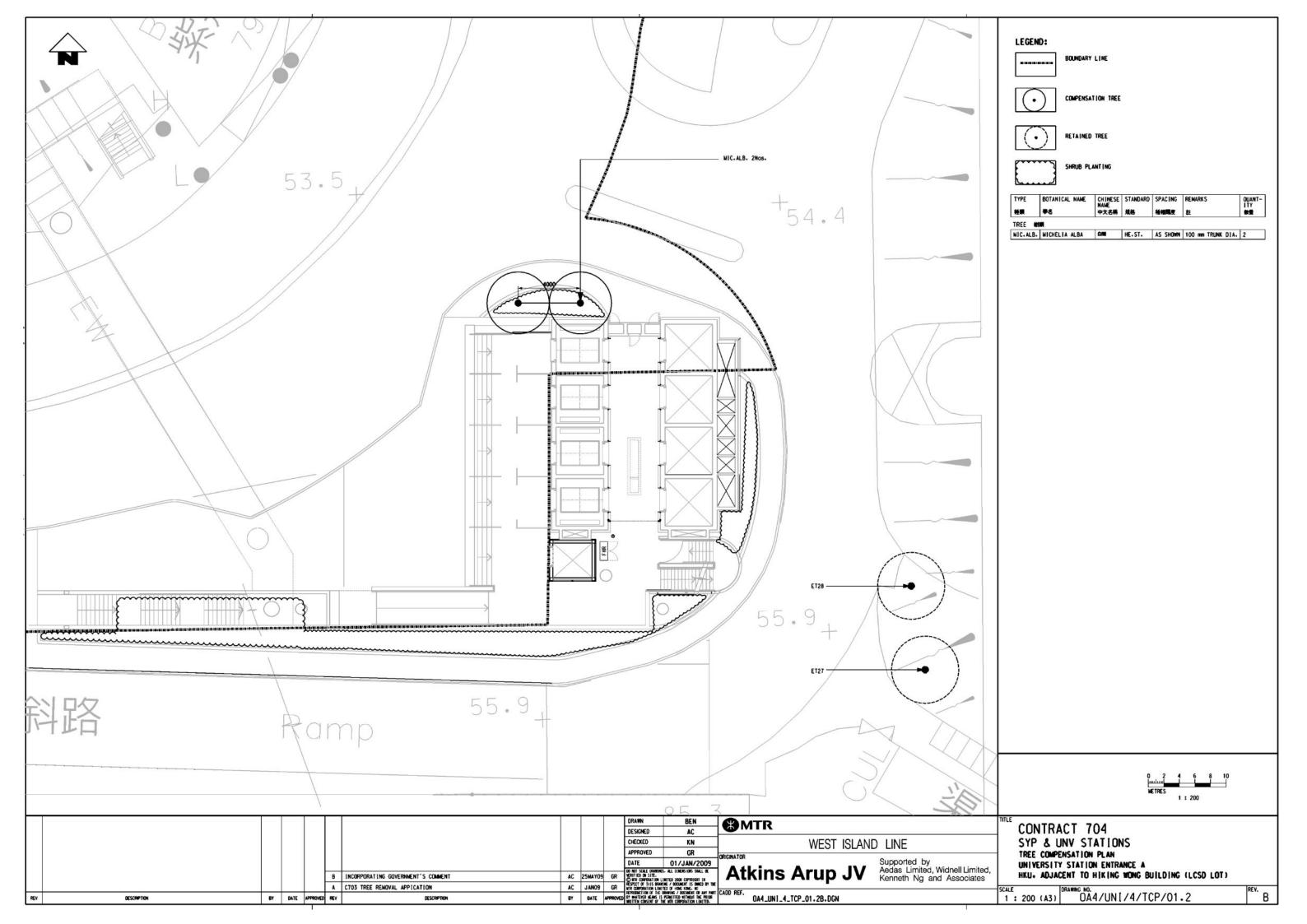
3 Conclusion

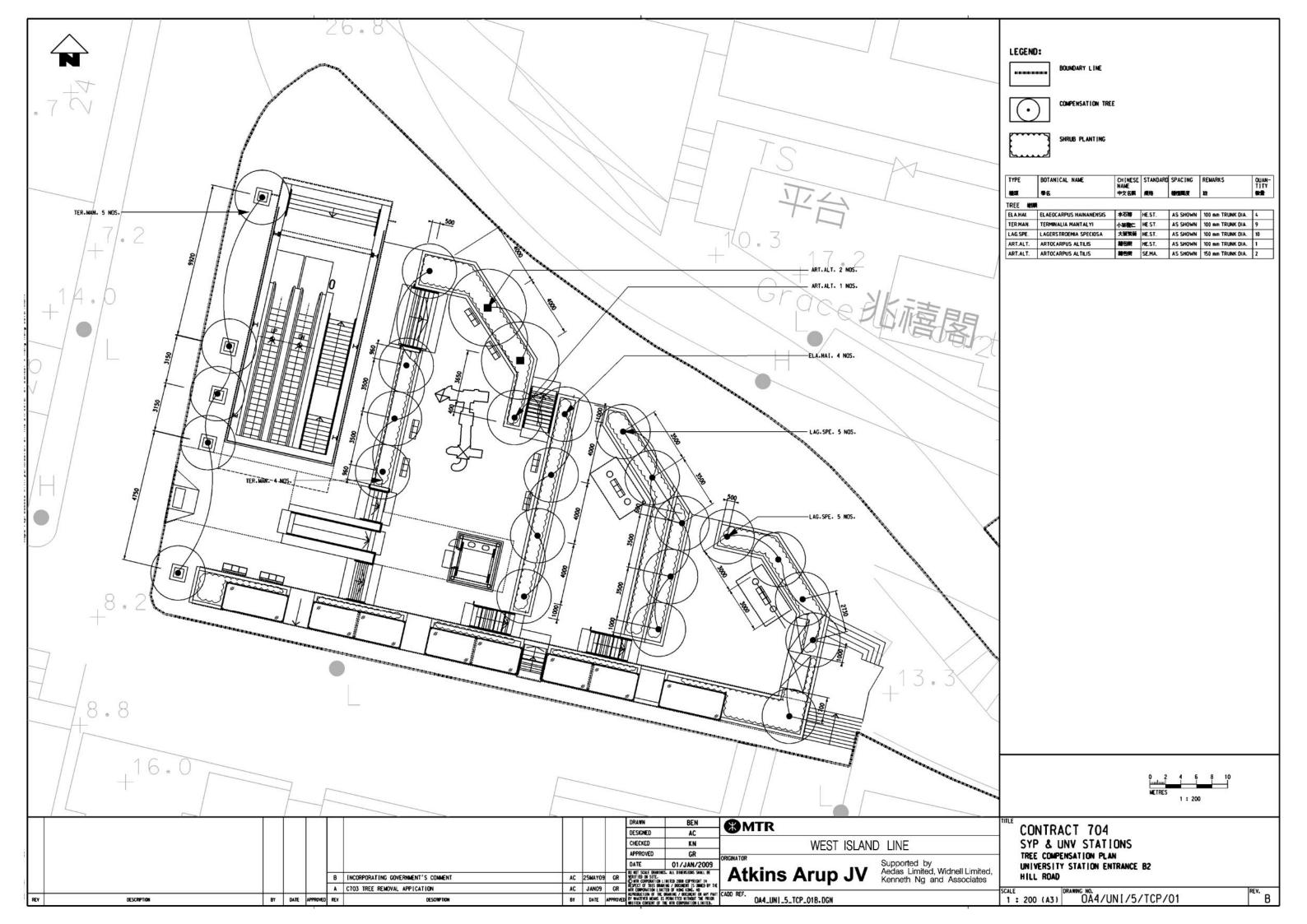
Among the 173 compensatory trees, some on-site findings vary from the compensatory trees proposal in the TPP (Rev. F). The variations include: 10 no. trees were not found, 4 no. of new trees, 23 trees differ from the compensatory planting proposal in size, 21 trees differ from the compensatory planting proposal in tree location, 23 trees in tree species and 2 trees differ from the compensatory plant proposal in tree location and tree species. Variations are upon requests from the maintenance parties, have been inspected and agreed on-site; and also have been addressed in the updated TRA and the as-built drawings (Appendix B).

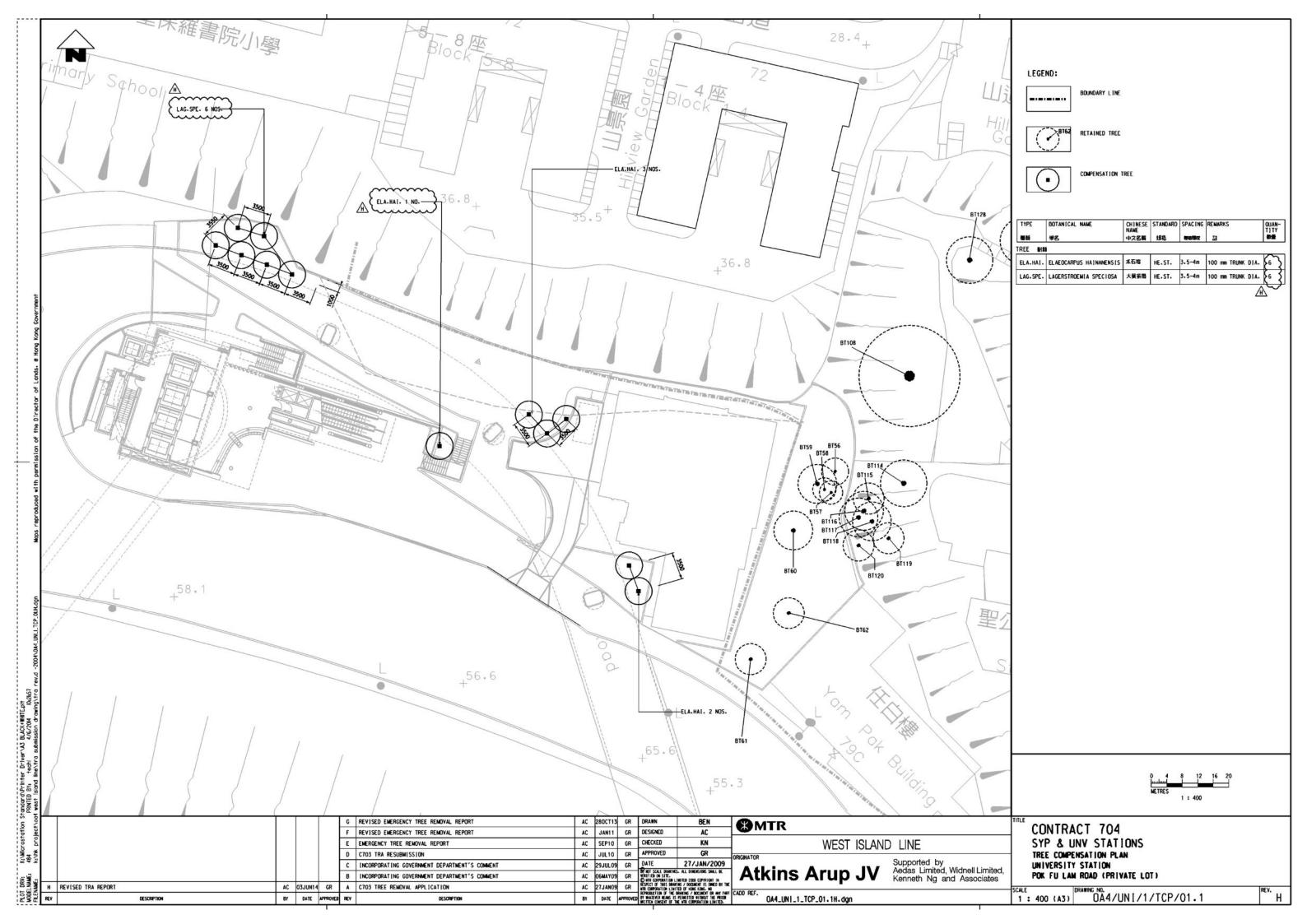
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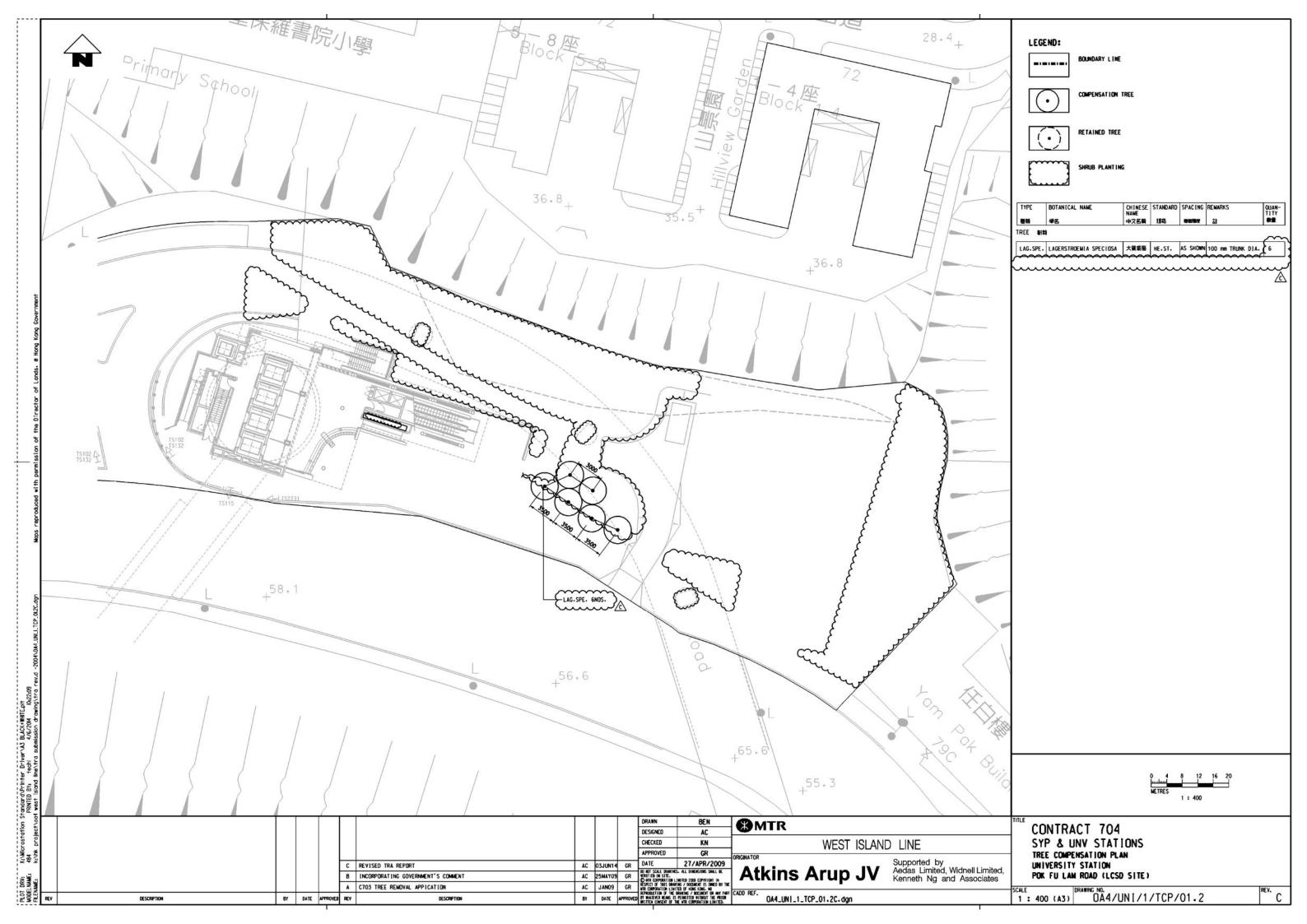


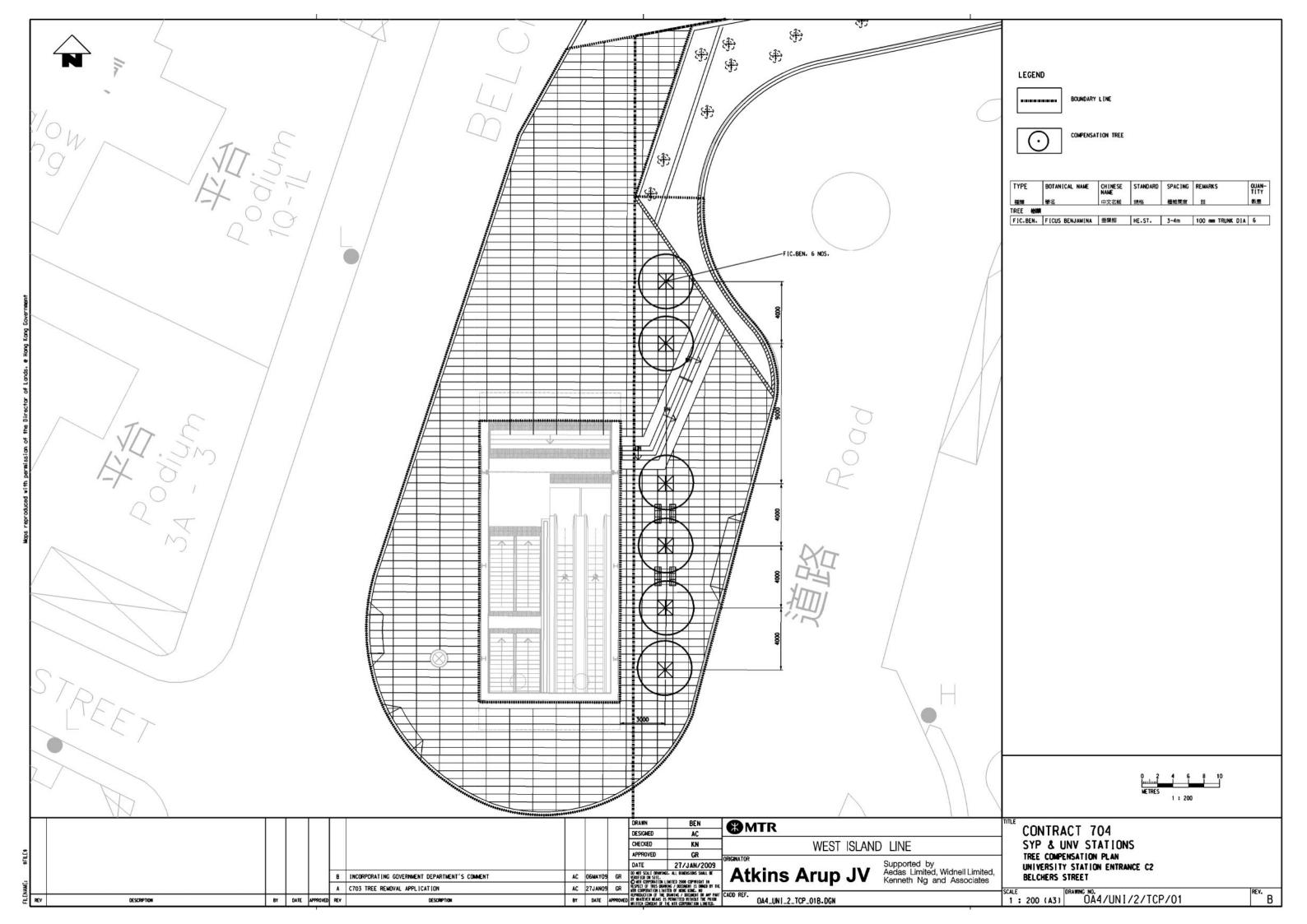
Appendix A – Compensatory Planting Proposal of Sai Ying Pun & HKU Stations in the TPP (Rev. F)

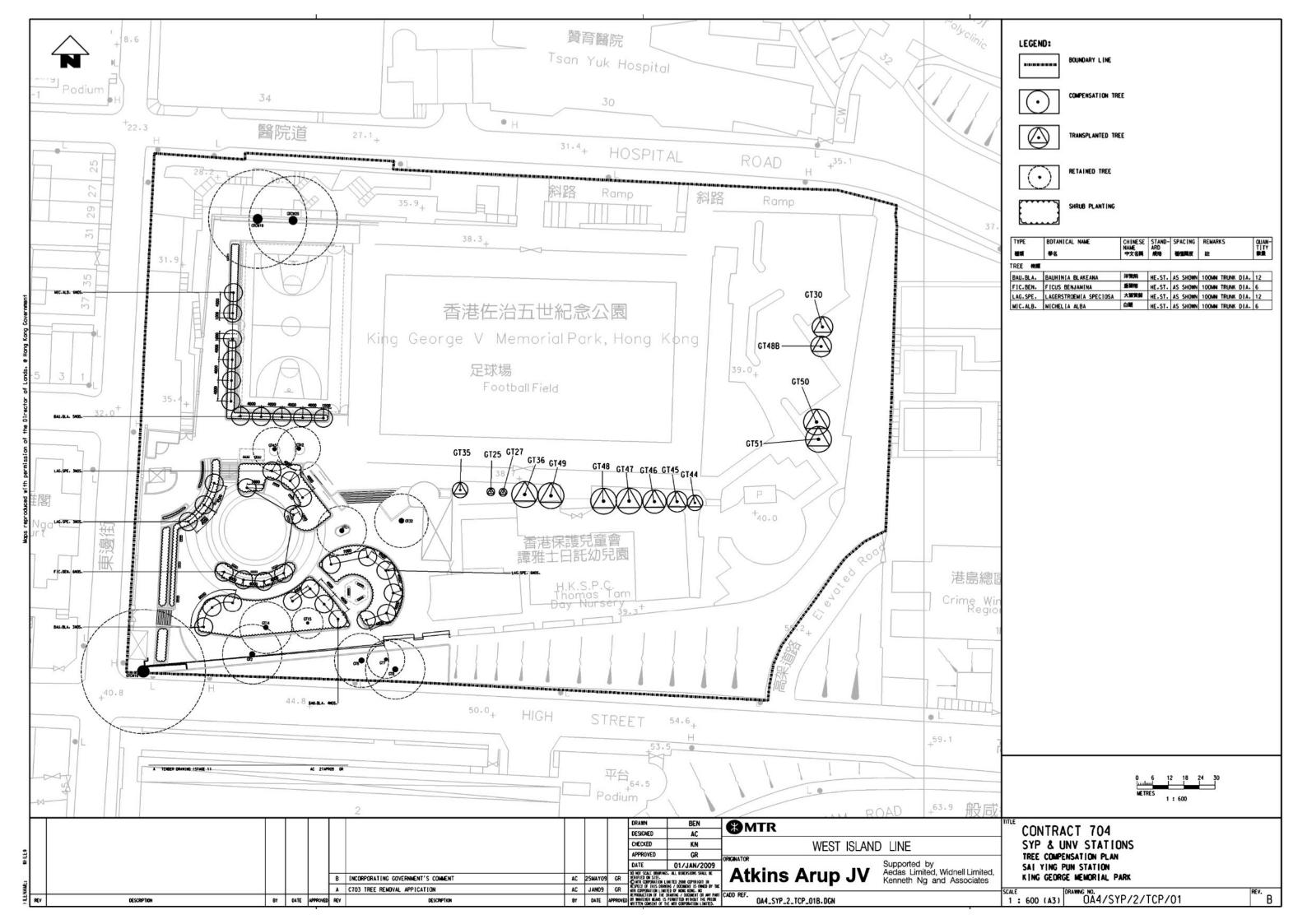


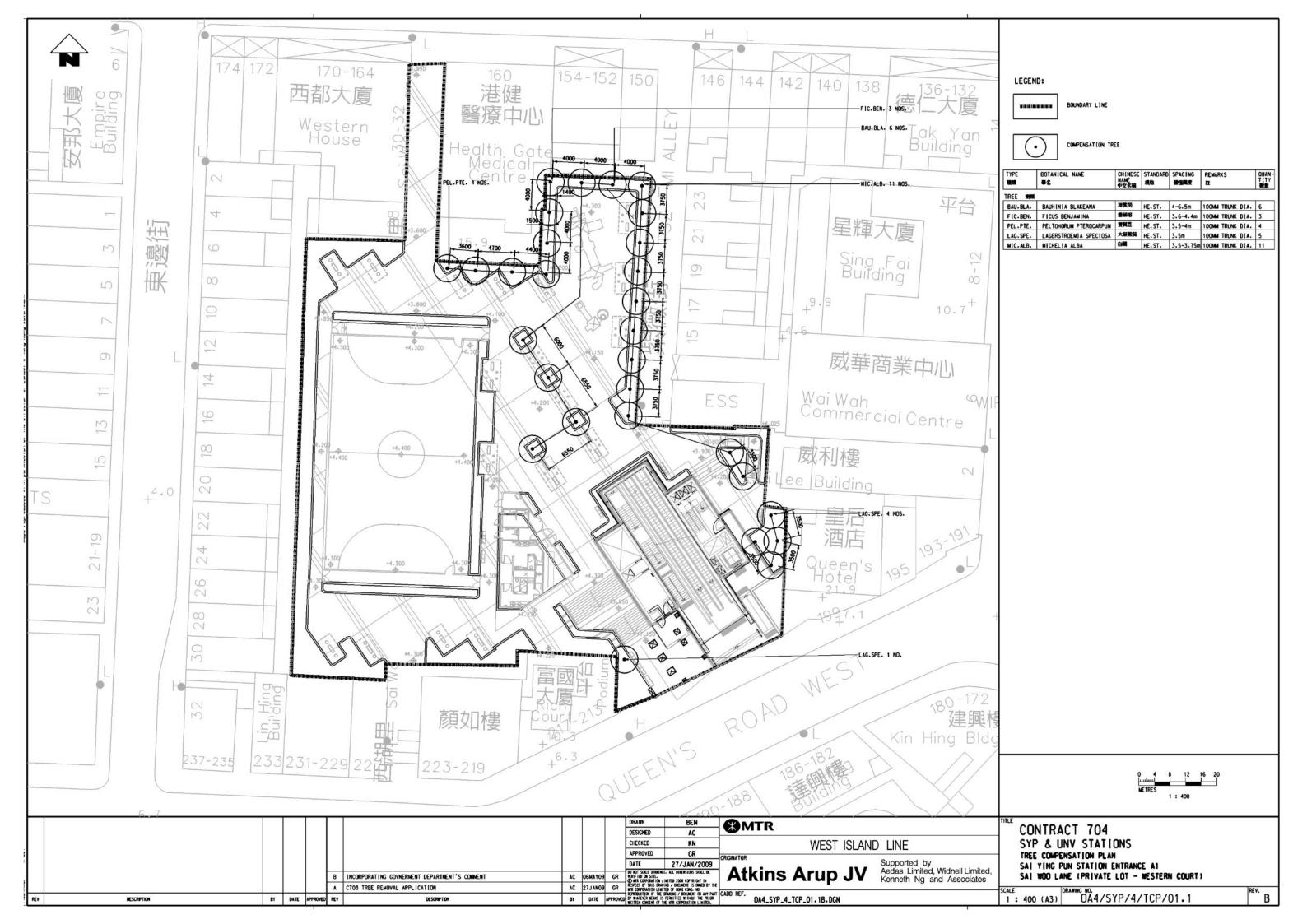


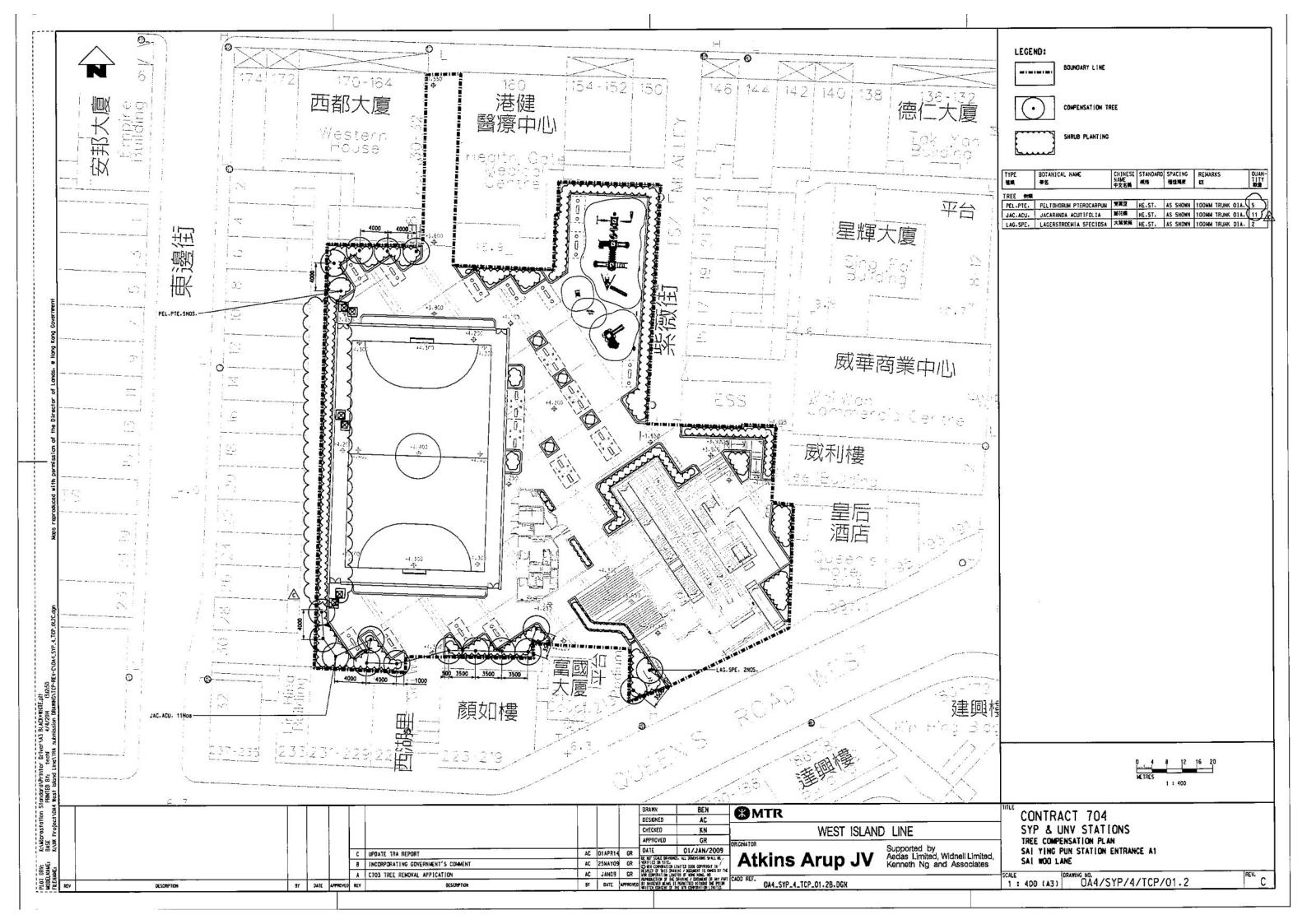


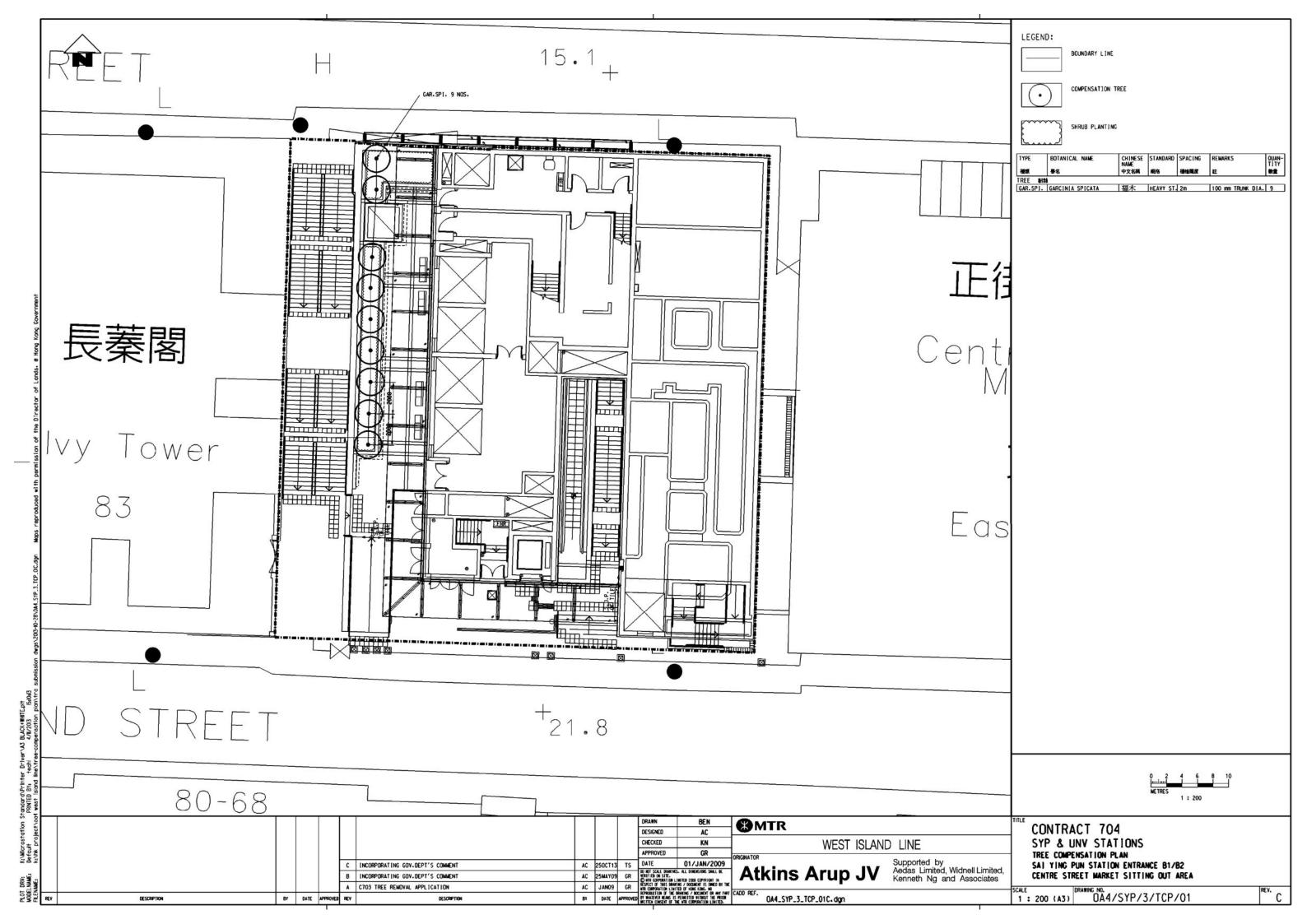


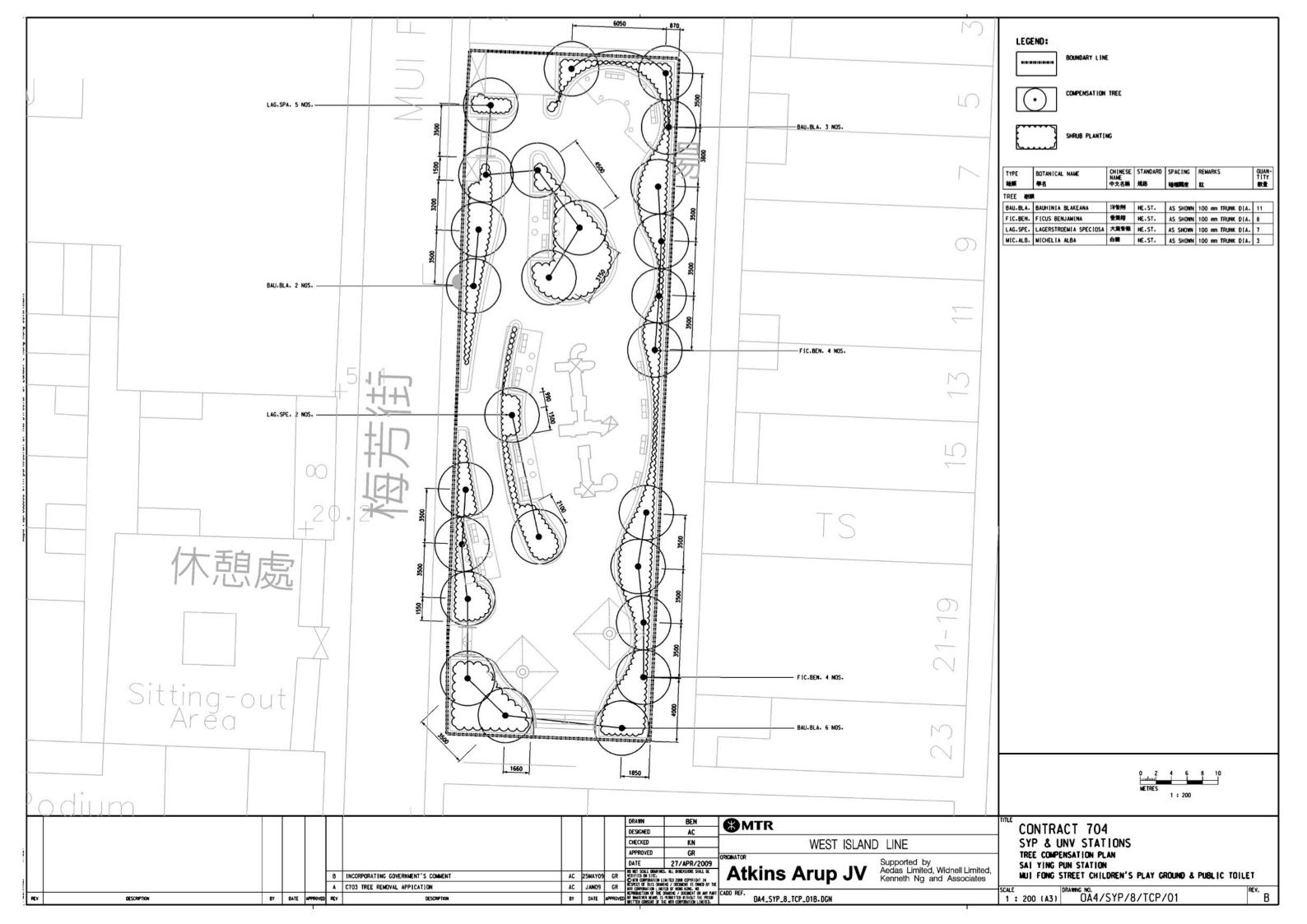








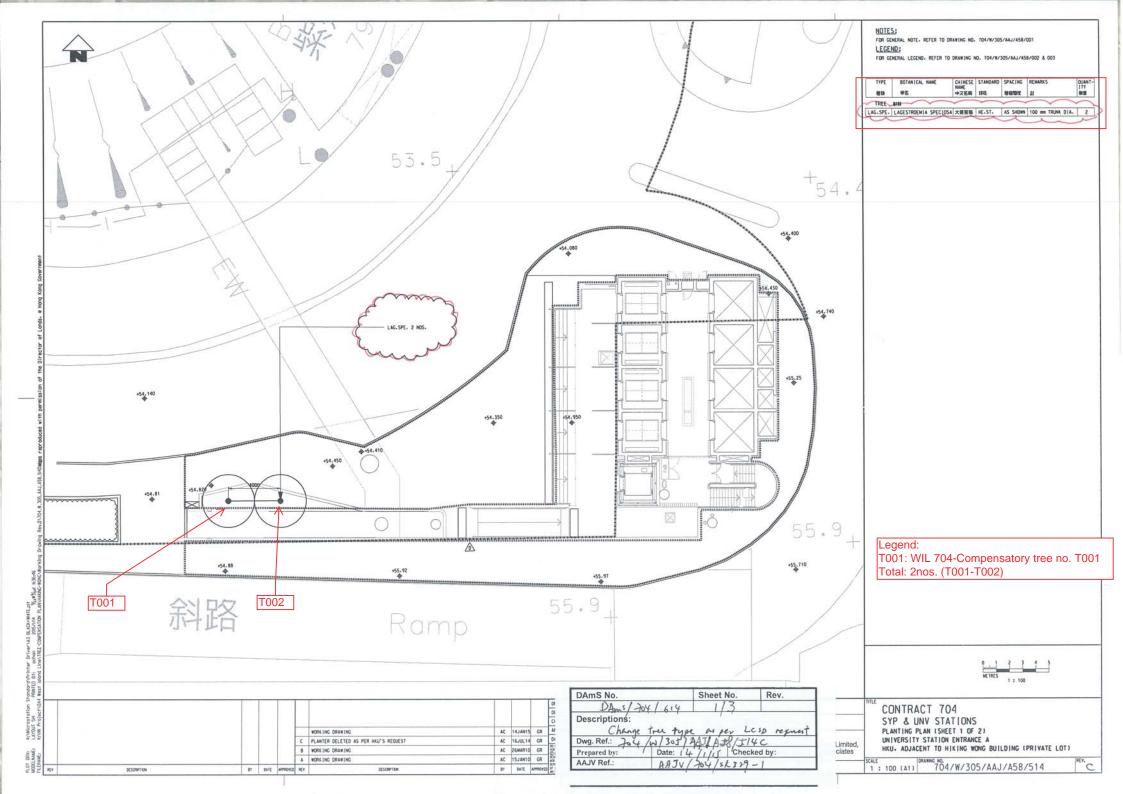


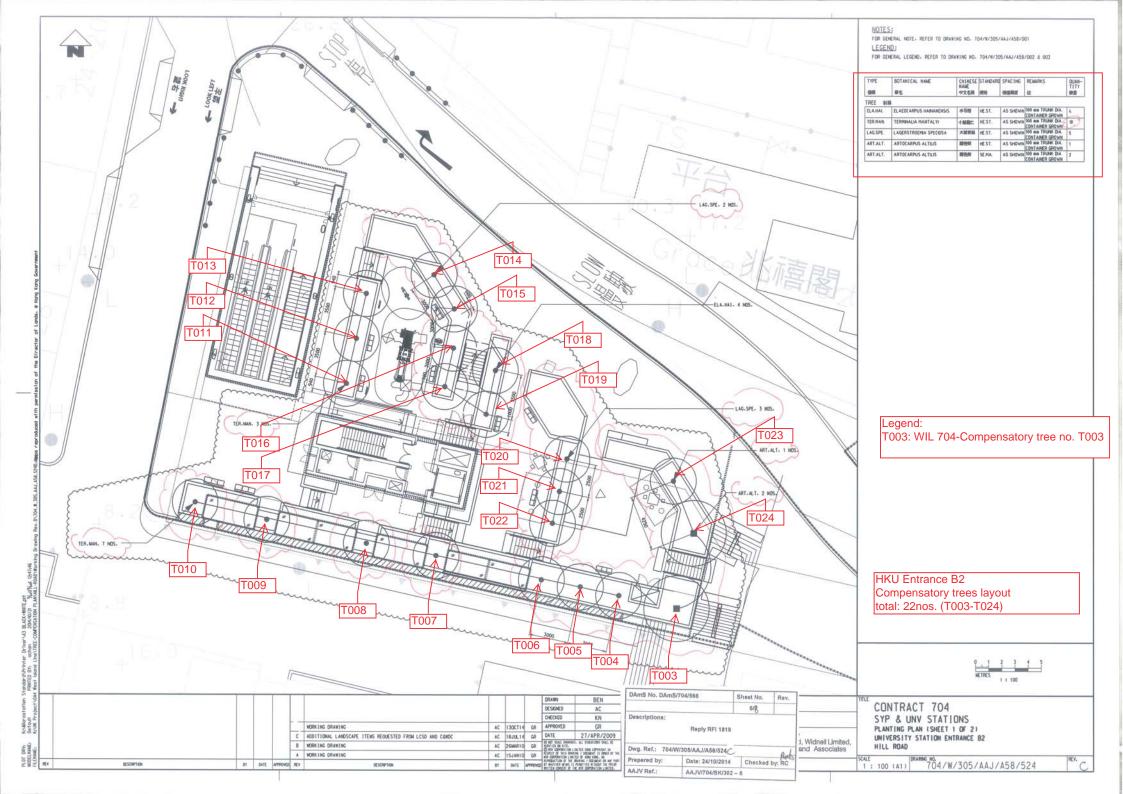


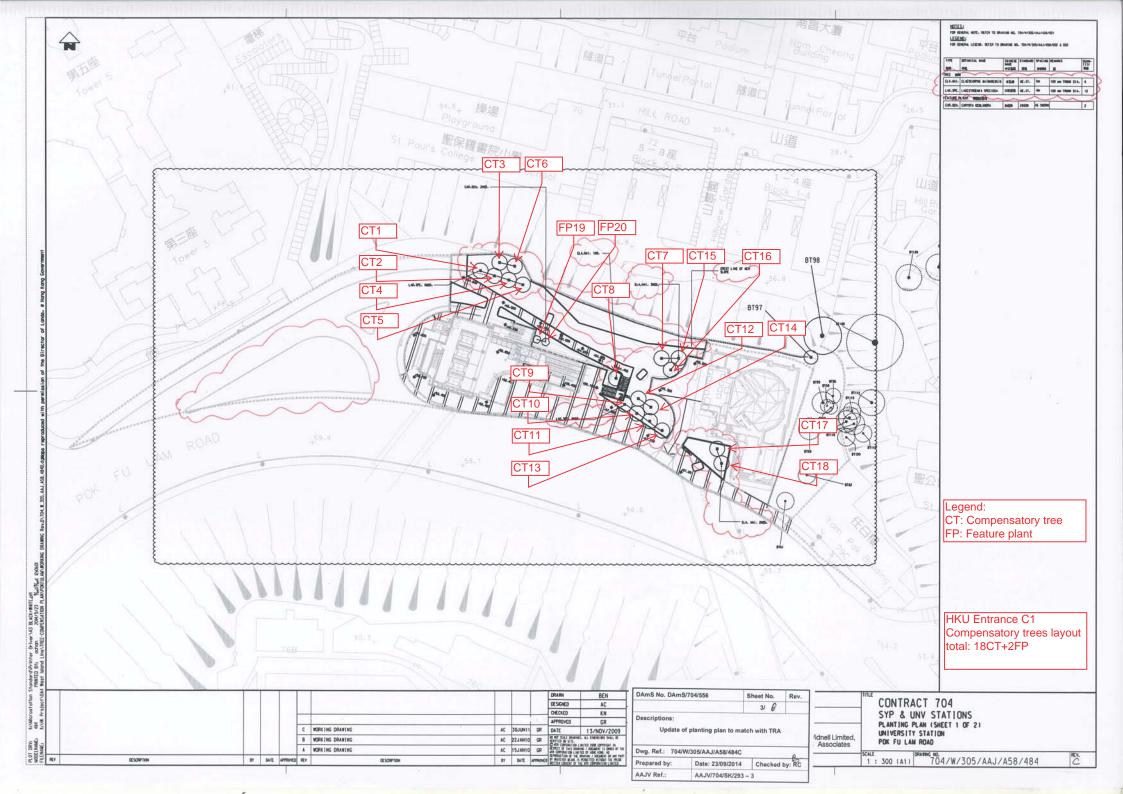
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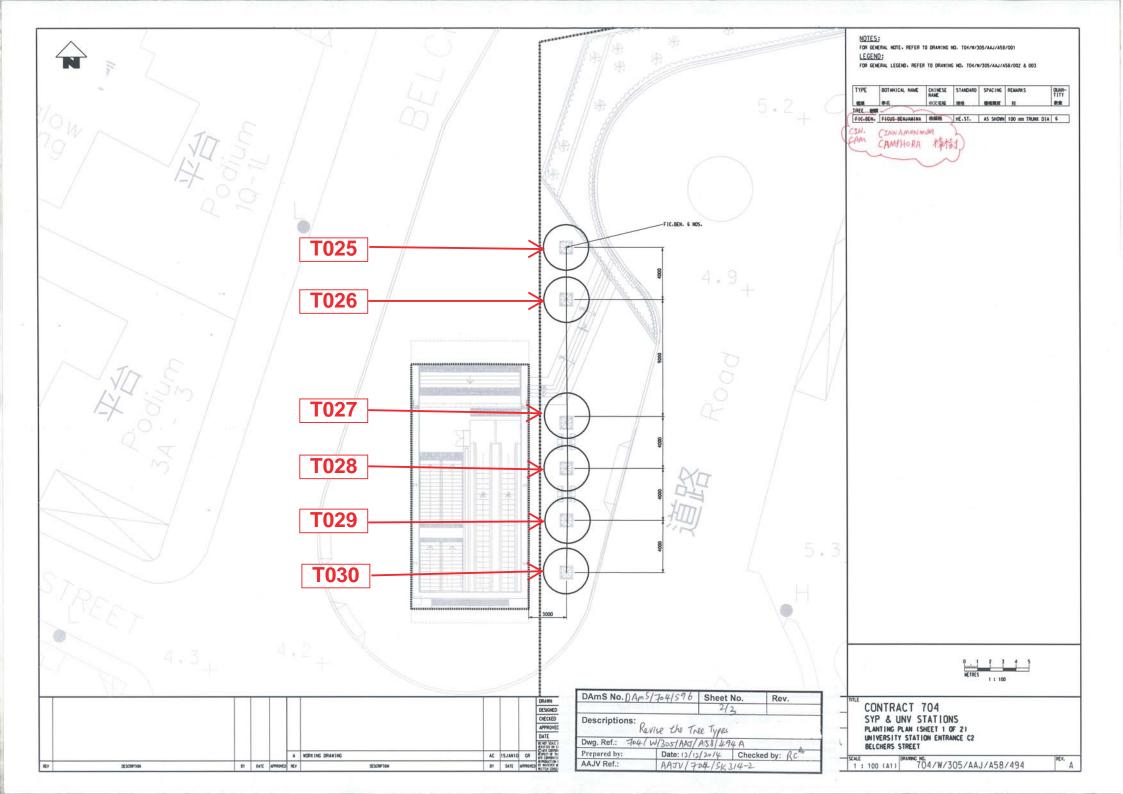


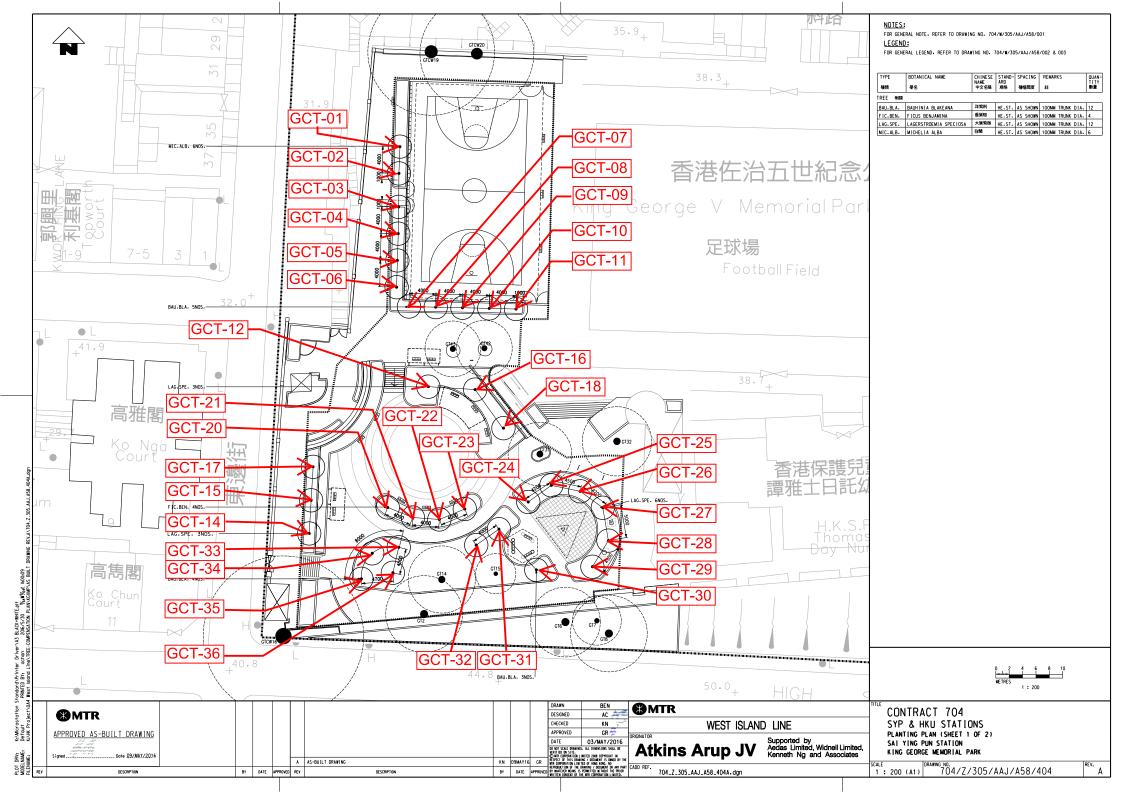
Appendix B – Landscape As-built Drawings of the Compensatory Trees of Sai Ying Pun & HKU Station

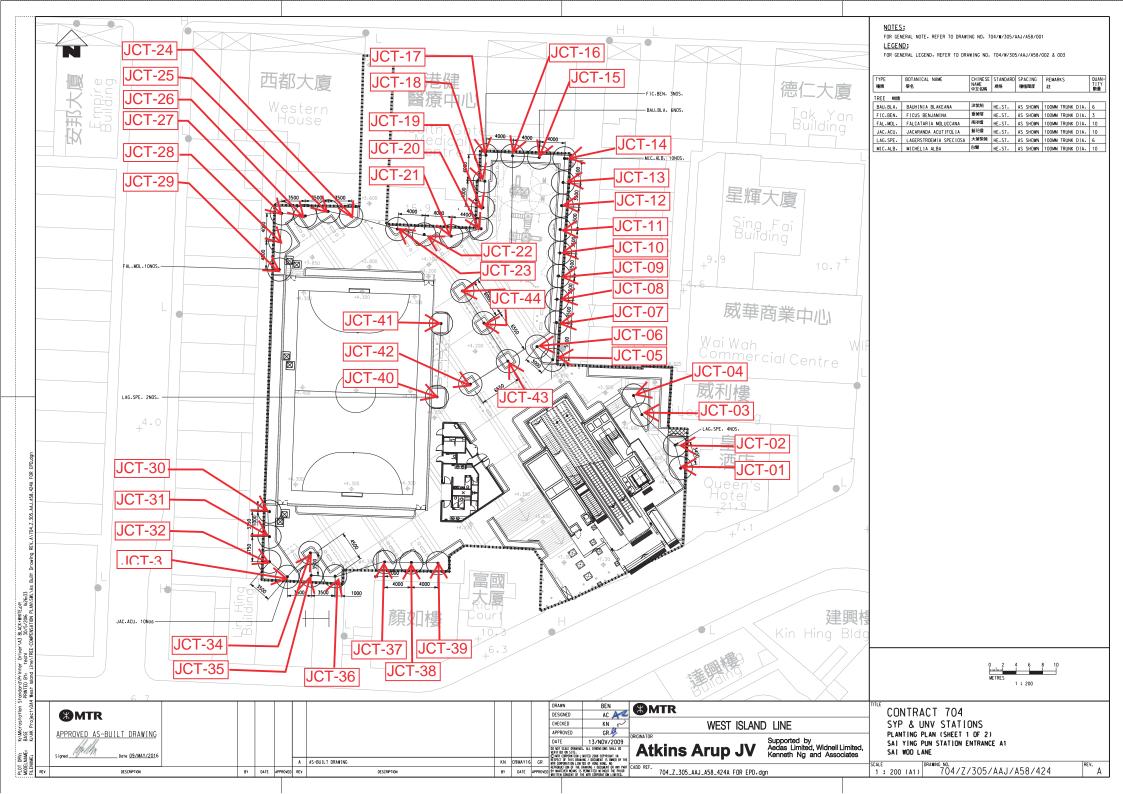


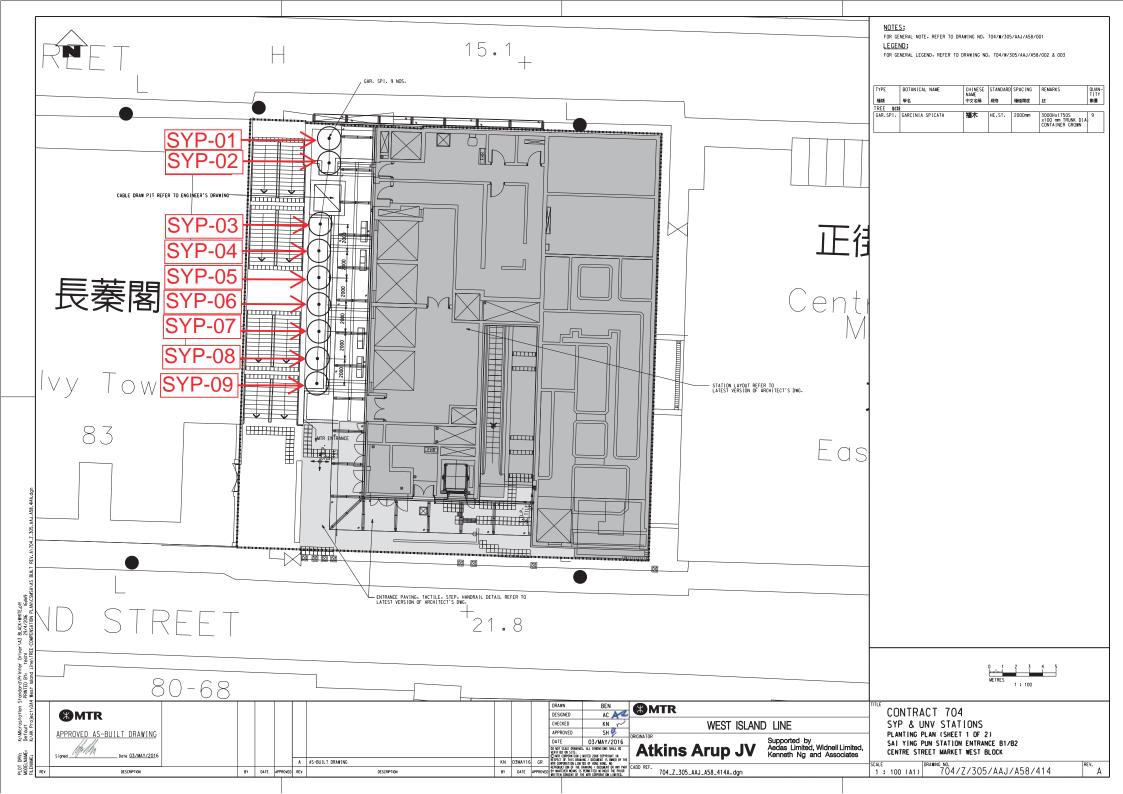


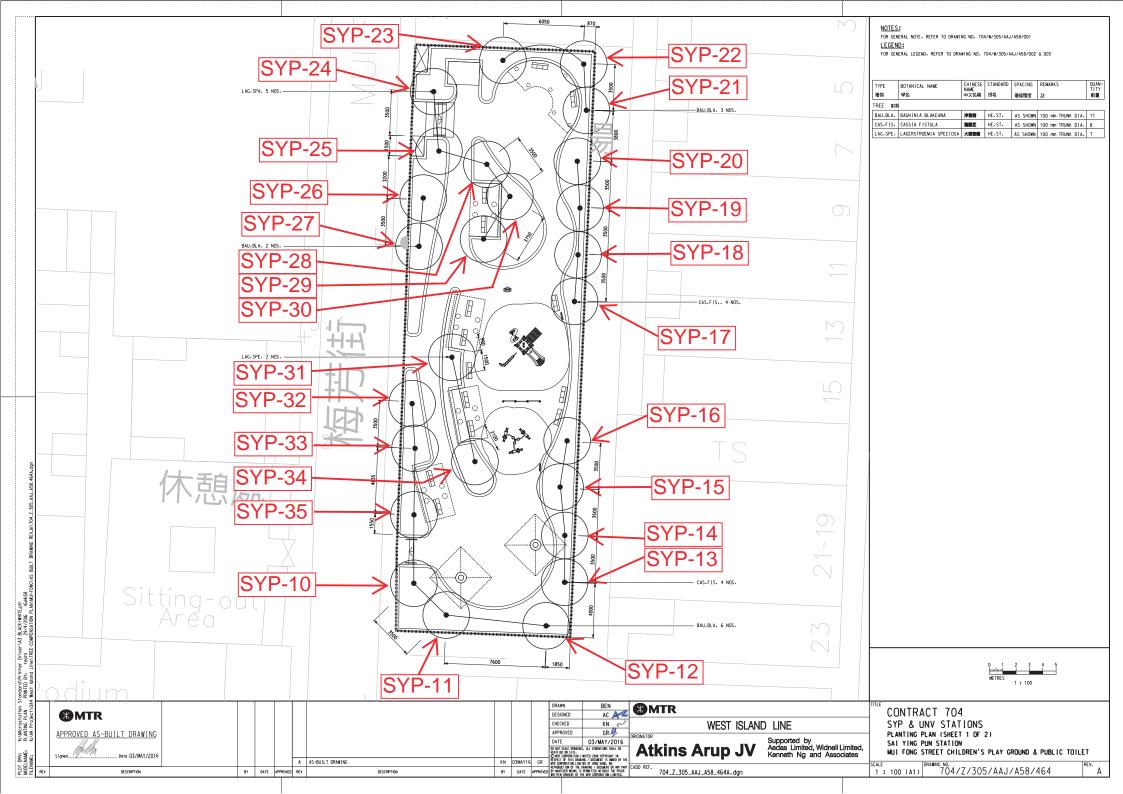












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Appendix C – Photographic Record of Compensatory Trees during Inspection

Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 31 March 2016

HKU adjacent to Hiking Wong Building (HKU Station Exit A)





Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 31 March 2016

Hill Road Rest Garden (HKU Station Exit B2)











T005 T006

Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 31 March 2016

Hill Road Rest Garden (HKU Station Exit B2)









Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 31 March 2016

Hill Road Rest Garden (HKU Station Exit B2)











T013 T014 Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 31 March 2016 Hill Road Rest Garden (HKU Station Exit B2)











T018

Hill Road Rest Garden (HKU Station Exit B2)









Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 31 March 2016
Hill Road Rest Garden (HKU Station Exit B2)







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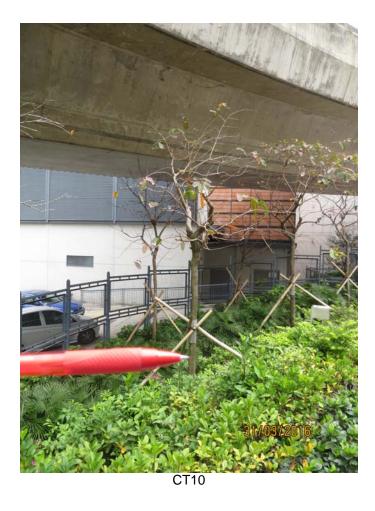












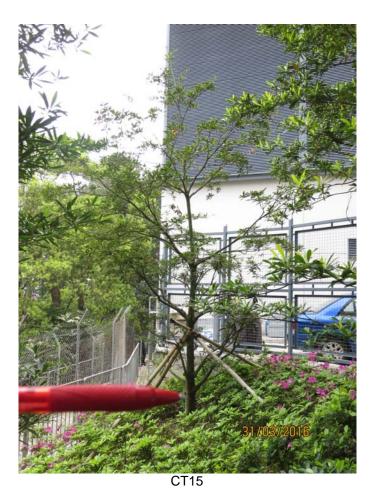




Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 31 March 2016
Pok Fu Lam Road (HKU Station Exit C1)

















Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 31 March 2016
Belcher's Street (HKU Station Exit C2)











T028

Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 31 March 2016 Belcher's Street (HKU Station Exit C2)





















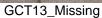














GCT14







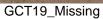
GCT16













GCT20











GCT24



















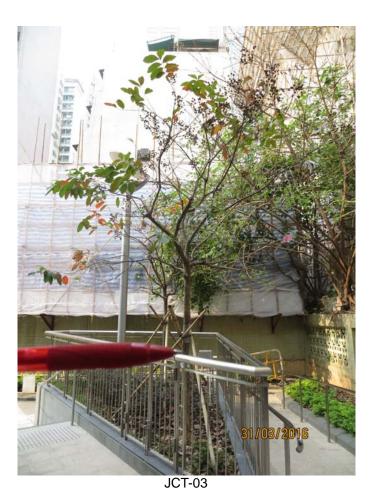




























JCT-10







JCT-12

































Sai Woo Lane Children Playground (Sai Ying Pun Station Exit A1)











JCT-32 JCT-31















JCT-38



JCT-39



JCT-40











JCT-45

Centre Street Market Sitting Out Area (Sai Ying Pun Station Exit B)









Centre Street Market Sitting Out Area (Sai Ying Pun Station Exit B)



Centre Street Market Sitting Out Area (Sai Ying Pun Station Exit B)



SYP-09











SYP-12 SYP-13







SYP-15



SYP-16



SYP-17











SYP-20 SYP-21

Mui Fong Street Children's Playground and Public Toilet











SYP-24 SYP-25

Mui Fong Street Children's Playground and Public Toilet











SYP-28 SYP-29











