MTR Corporation Limited

West Island Line Project

Audit Report – Part 4
(On-site and Off-site Compensatory Trees of Sai Ying Pun & HKU Stations)

Verified by:	Lihi
Position:	Independent Environmental Checker
Date:	17 March 2017

MTR Corporation Limited

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Certified by: _	
Position:	Environmental Team Leader
Date:	17 March 2017



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

Audit Report for the On-site and Off-site Compensatory Trees of Sai Ying Pun & HKU Stations

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Date: 24 Feb 2017	Date: 24 Feb 2017	Date: 24 Feb 2017



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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 have been carried out in different time periods when the landscaping works were completed. Audit Report – Part 1 for compensatory trees for the Magazine site was submitted on 14 November 2014, and was approved on 15 January 2015. Audit Report – Part 2 for compensatory trees for the construction of Kennedy Town Station (KET) was submitted on 4 February 2015, and was approved on 17 June 2015. Audit Report – Part 3 for compensatory trees for the construction of Sai Ying Pun Station (SYP) and HKU Station (HKU) was submitted on 25 June 2016.

This report is Part 4 of the Audit Report; it is the last part of the Audit Report for the West Island Line. This report presents the findings of the audit inspection for the compensatory trees planted in Ki Ling Lane Playground (SYP Entrance B3) and the off-site planting of compensatory trees for SYP and HKU. The audit inspection was conducted on 13 February 2017.



2 Tree Audit and Findings

An audit inspection was carried on 13 February 2017. The compensatory trees were planted at the following on-site and off-site locations:

- Ki Ling Lane Playground (SYP Entrance B3)
- Western District near Fung Mat Road
- Central and Western District Promenade Sheung Wan Section
- Sun Yat Sen Memorial Park

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

Ki Ling Lane Playground (SYP Entrance B3)

Туре	Botanical Name	Chinese Common Name	No(s).
Tree	Ficus benjamina	垂葉榕	10
Tree	Hibiscus tiliaceus	黄槿	9
Tree	Jacaranda mimosifolia	藍花楹	4
Tree	Michelia x alba	白蘭	5

Western District near Fung Mat Road

Туре	Botanical Name	Chinese Common Name	No(s).
Tree	Bauhinia variegata	宮粉羊蹄甲	1
Tree	Syzygium jambos	蒲桃	1
Tree	Melaleuca cajuputi subsp. cumingiana	白千層	6
Tree	Phoenix roebelenii	日本葵	37

Central and Western District Promenade - Sheung Wan Section

Type	Botanical Name	Chinese	No(s).
		Common	
		Name	
Tree	Tabebuia chrysantha	風鈴木	19
	(syn. Tabebuia chrysotricha)		



Sun Yat Sen Memorial Park

Туре	Botanical Name	Chinese Common Name	No(s).
Tree	Magnolia grandiflora	荷花玉蘭	1

Among these 93 trees in the TPP (Rev. F), the inspection findings are 80 trees differ from the compensatory planting proposal in size (9 trees), in tree location (27 trees), in tree species (14 trees), in both size and species (8 trees), in both location and species (8 trees) and in both size and location (6 trees); and 8 trees are not found; and the other 13 trees are the same as recommended in the TPP (Rev. F). In addition, 33 additional trees are found for off-site tree compensation of SYP and HKU.

The differences between the proposal in TPP (Rev. F) and the actual plantings include variations of tree sizes, species and locations, relocation of the 8 "not found" trees, and 33 additional trees. According to MTR, all these differences have been agreed with the representatives of maintenance party 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. As informed by MTR, all these compensatory trees have been handed over to Leisure and Cultural Services Department (LCSD).

Details of inspection findings are as follows:

Ki Ling Lane Playground (SYP Entrance B3)

- 6 Ficus benjamina proposed in the compensatory planting proposal are not found.
- 4 Ficus benjamina in the compensatory planting proposal are replaced with 4 Bauhinia variegata.
- 5 *Michelia* x *alba* in the compensatory planting proposal are replaced with 3 *Magnolia grandiflora* and 2 *Bauhinia variegata*.
- 5 *Hibiscus tiliaceus* in the compensatory planting proposal are replaced with 5 *Tabebuia chrysotricha*.
- 8 undersized *Garcinia subelliptica* are found on site to replace the 4 *Hibiscus tiliaceus* and 4 *Jacaranda mimosifolia* in the compensatory planting proposal.
- Overall trees health and form are in fair condition.



Western District near Fung Mat Road

- 8 trees (6 *Melaleuca cajuputi* subsp. *Cumingiana*, 1 *Syzygium jambos* and 1 *Bauhinia variegate*) are replaced with *Phoenix roebelenii* and have been located differently from the TPP (Rev.F).
- 26 trees *Phoenix roebelenii* differ from the compensatory planting proposal in tree location.
- Overall trees health and form are in fair condition.

<u>Central and Western District Promenade – Sheung Wan Section</u>

- 2 Tabebuia chrysotricha are not found.
- 9 trees (Tree ID: T35, T36, T37, T43, T44, T45, T46, T47 and T48 in Appendix B) differ from the compensatory planting proposal in size.
- 1 tree (Tree ID: T38 in Appendix B) differ from the compensatory planting proposal in tree location.
- 6 trees (Tree ID: T39, T40, T41, T42, T50 and T51 in Appendix B) differ from the compensatory planting proposal in both size and location.
- Overall trees health and form are in fair condition.

Sun Yat Sen Memorial Park

- 24 additional *Garcinia subelliptica*, 6 additional *Brachychiton acerifolius*, and 3 additional *Magnolia grandiflora* are found on site.
- Overall trees health and form are in fair condition.

Appendix A is the compensatory planting proposal of Ki Ling Lane Playground (SYP Entrance B3) and off-site areas of compensatory trees for SYP and HKU in the TPP (Rev. F), Appendix B is the landscape asbuilt drawings of compensatory trees, and Appendix C is the photographic record of the trees during inspection.

3 Conclusion

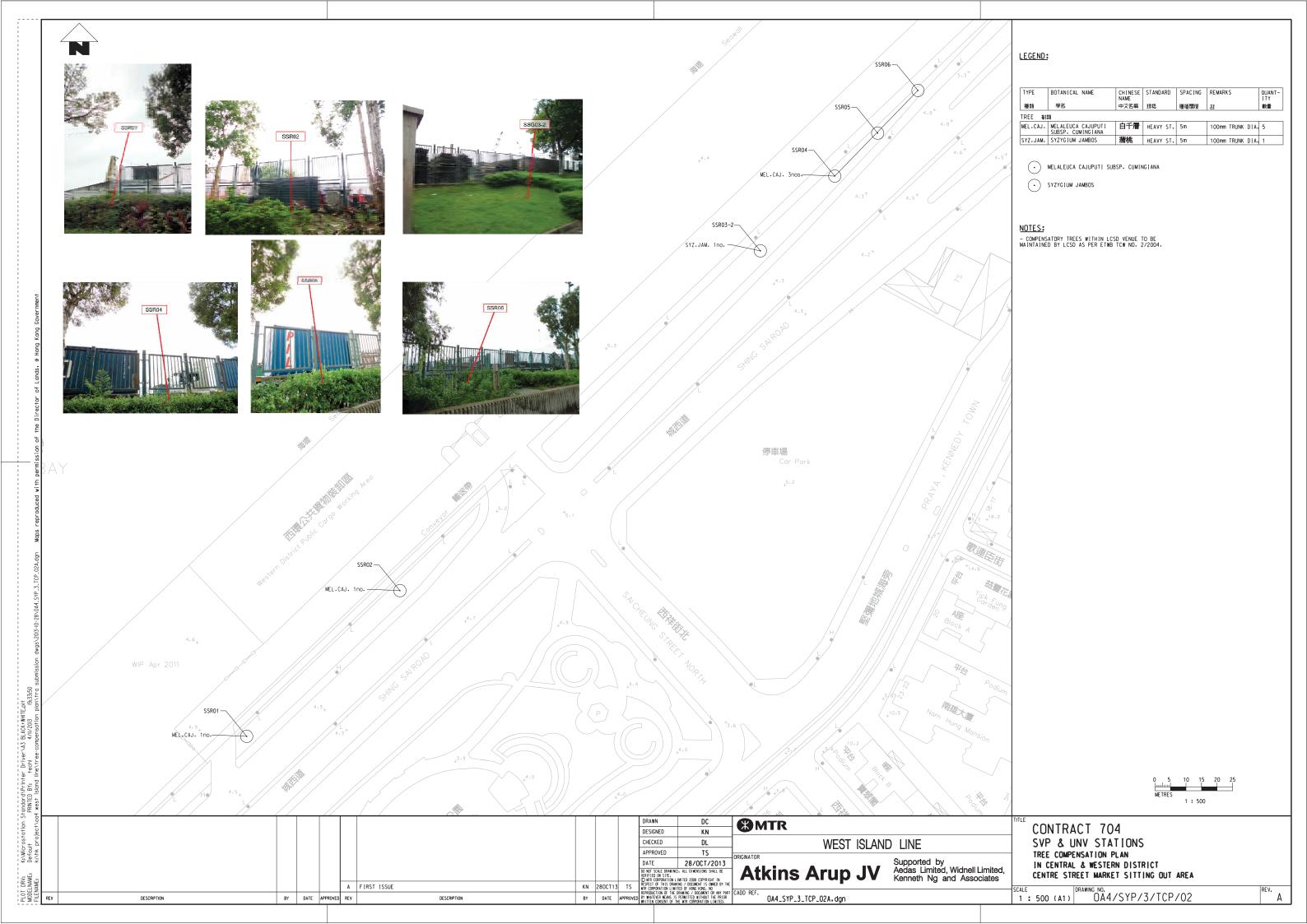
Among the 118 compensatory trees in the inspection, some on-site findings vary from the compensatory trees proposal in the TPP (Rev. F). The variations include: tree sizes, tree species and tree locations, due to site constraints, site availability for off-site planting, and preferences of maintenance party. All variations have been agreed by the maintenance

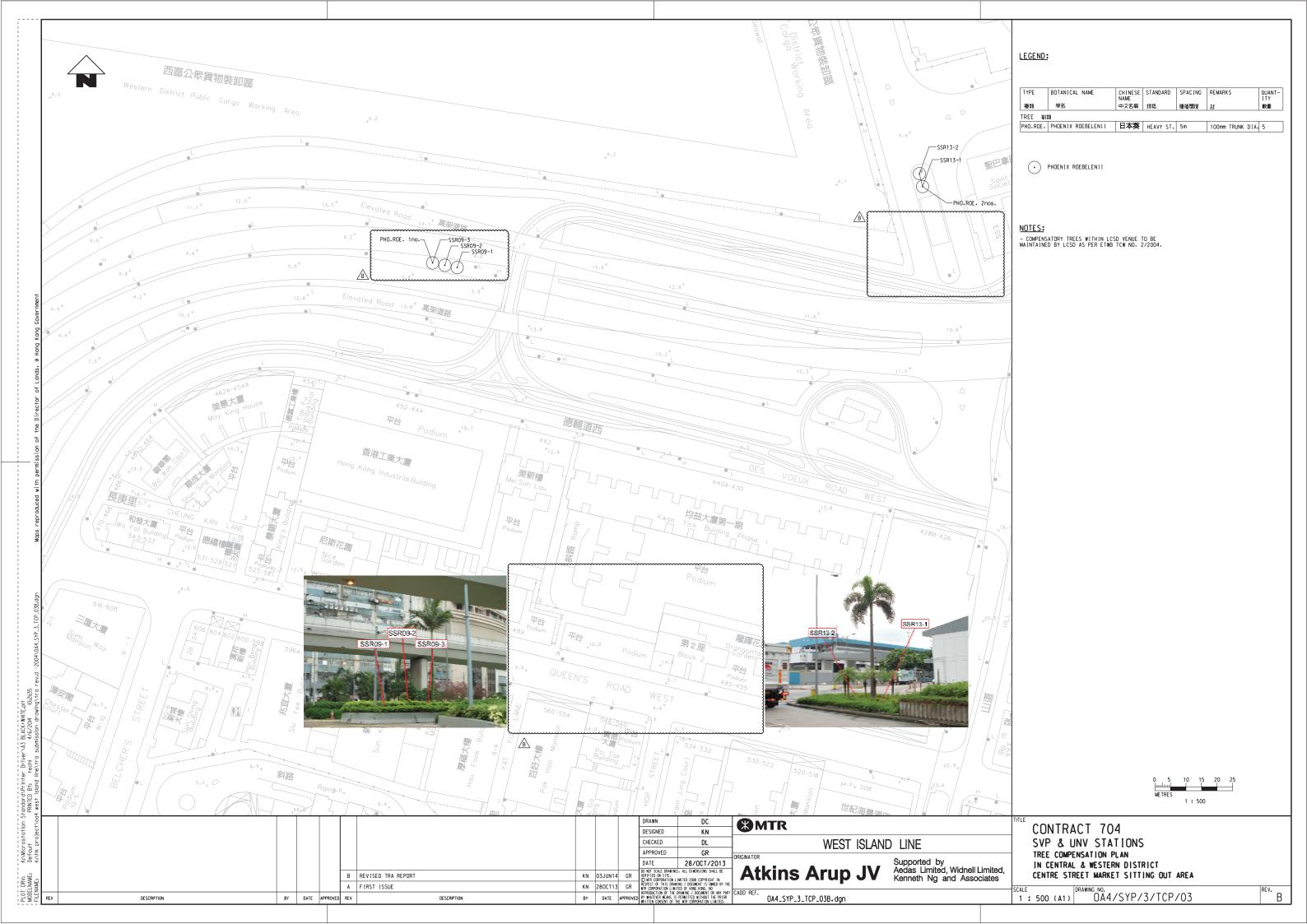


party; and all compensatory trees are handed over. The variations are addressed in the subsequent updates of TRA as well as the as-built drawings in Appendix B.

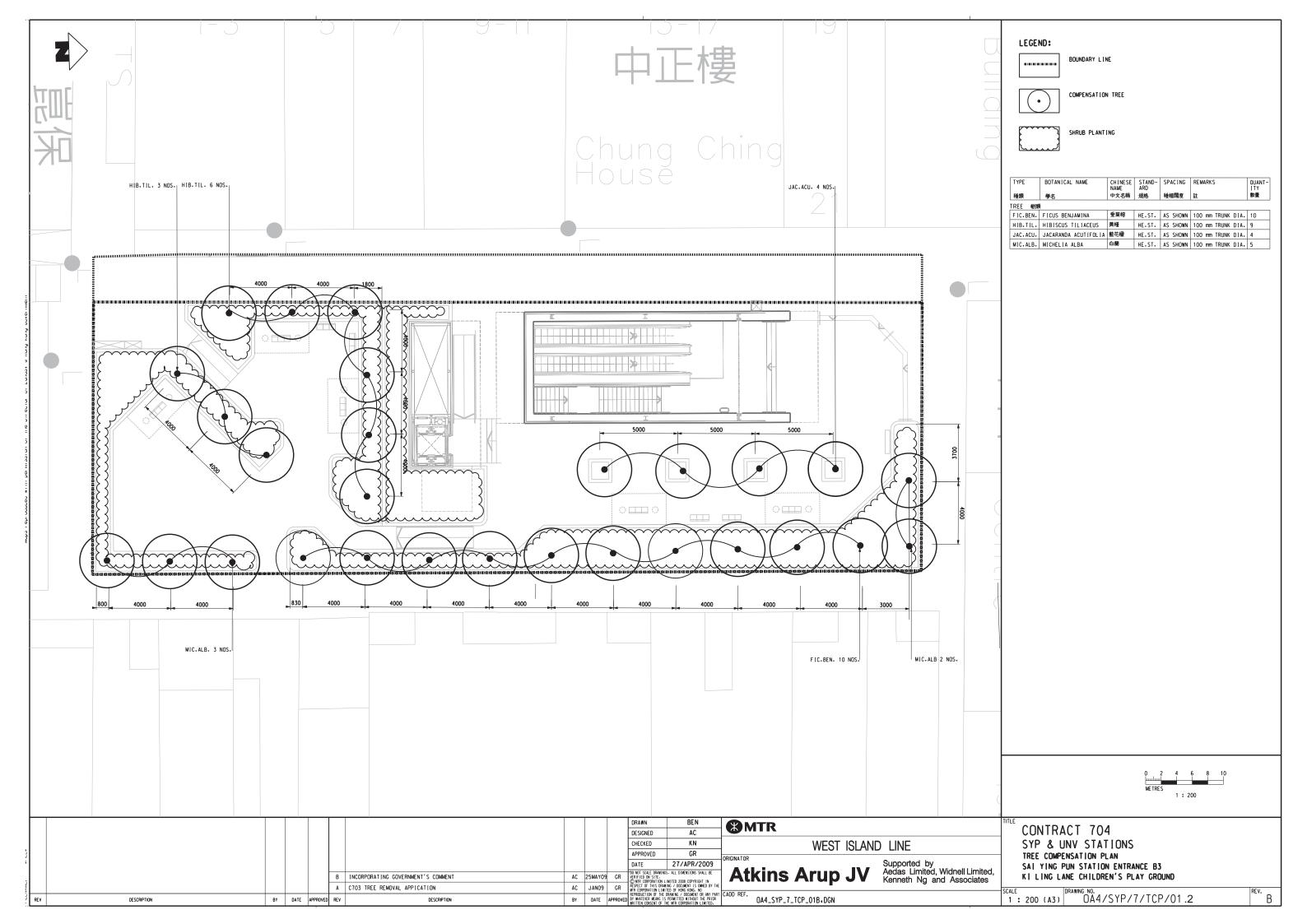


Appendix A – Compensatory Planting Proposal of Ki Ling Lane Playground (SYP EntranceB3) and Off-site Areas for SYP and HKU Stations in the TPP (Rev. F)

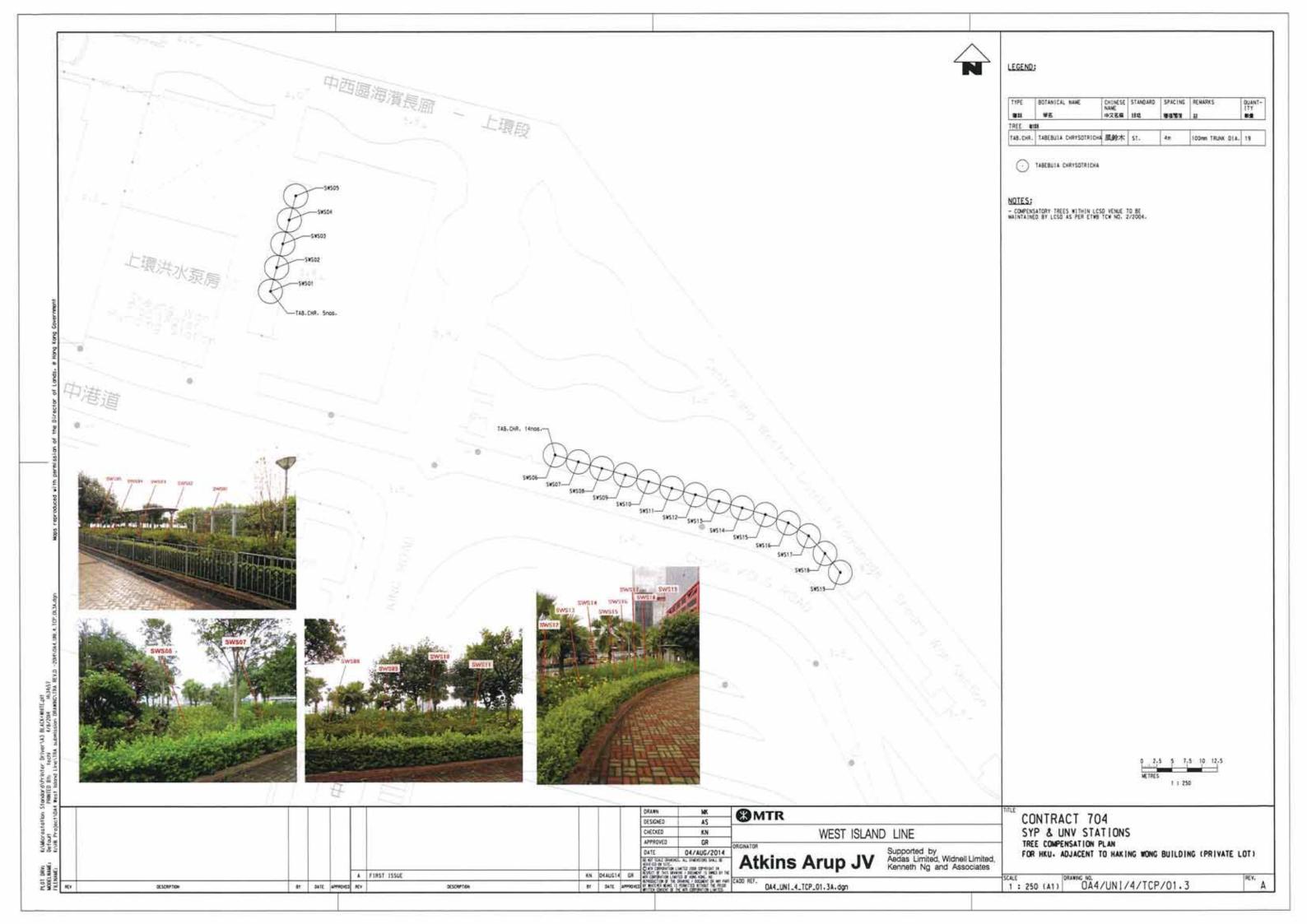


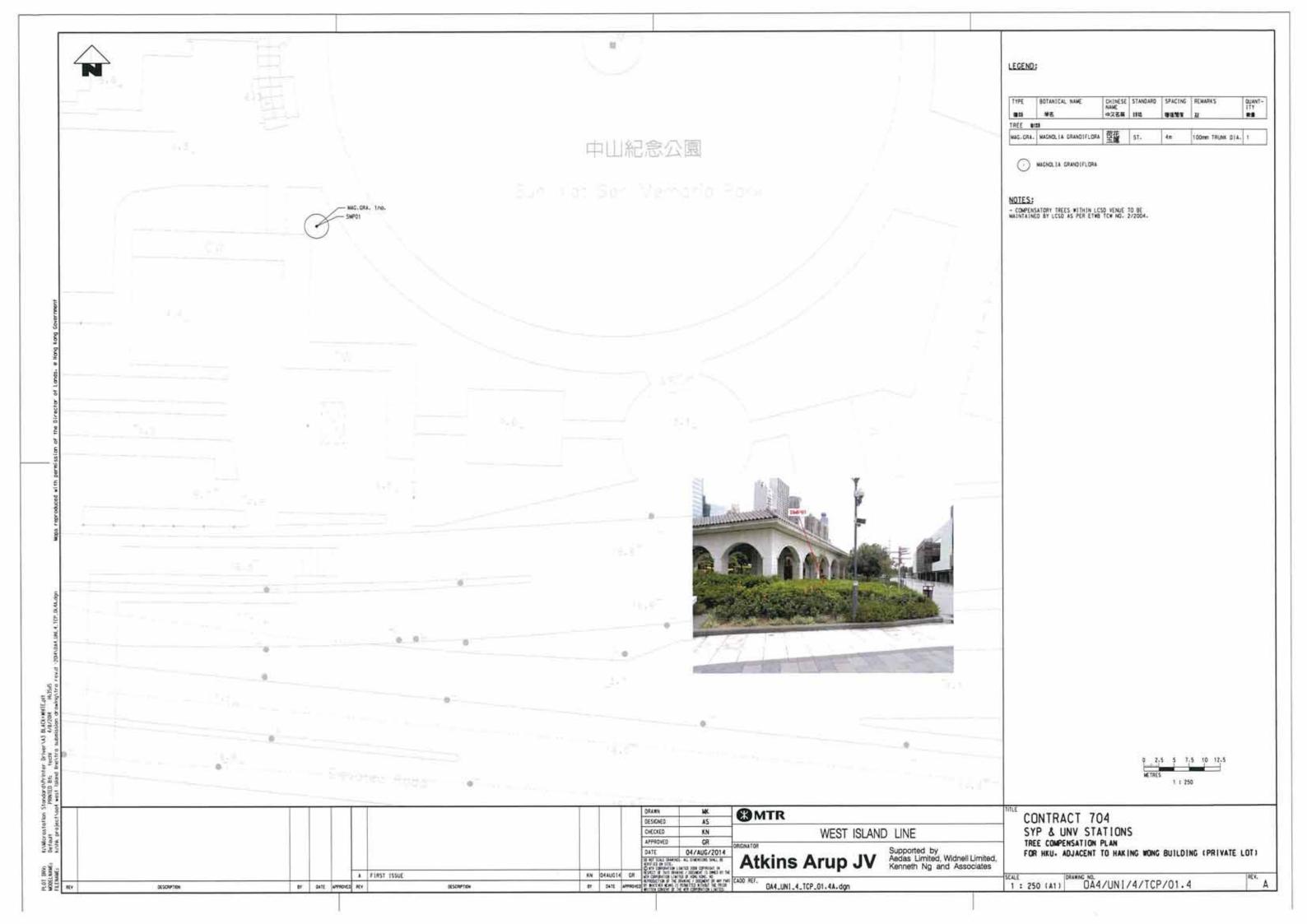






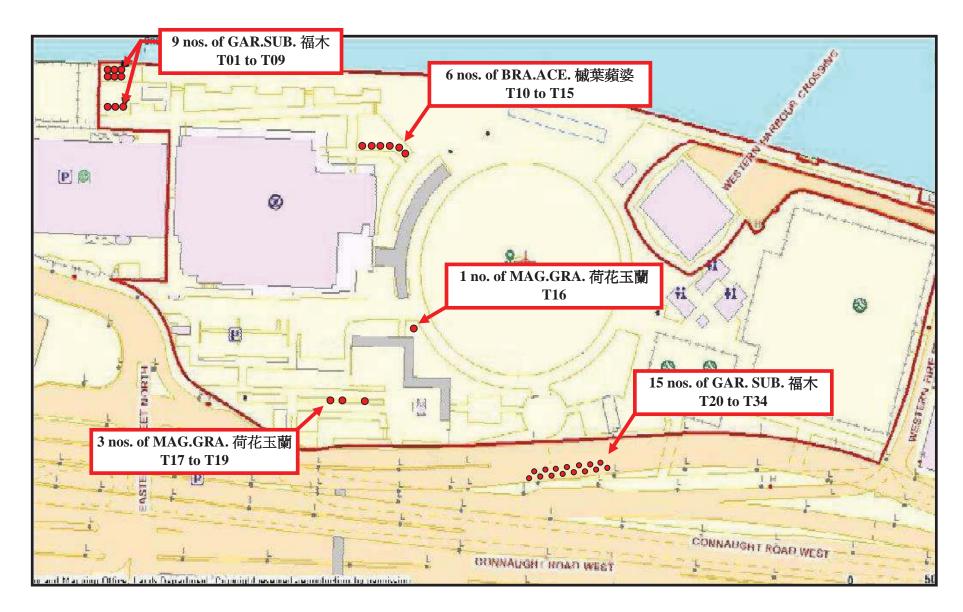




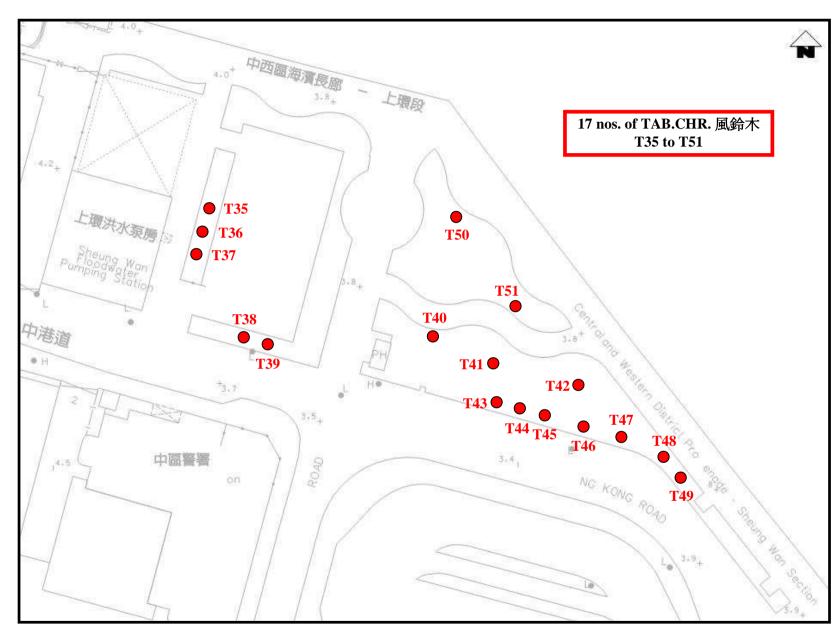




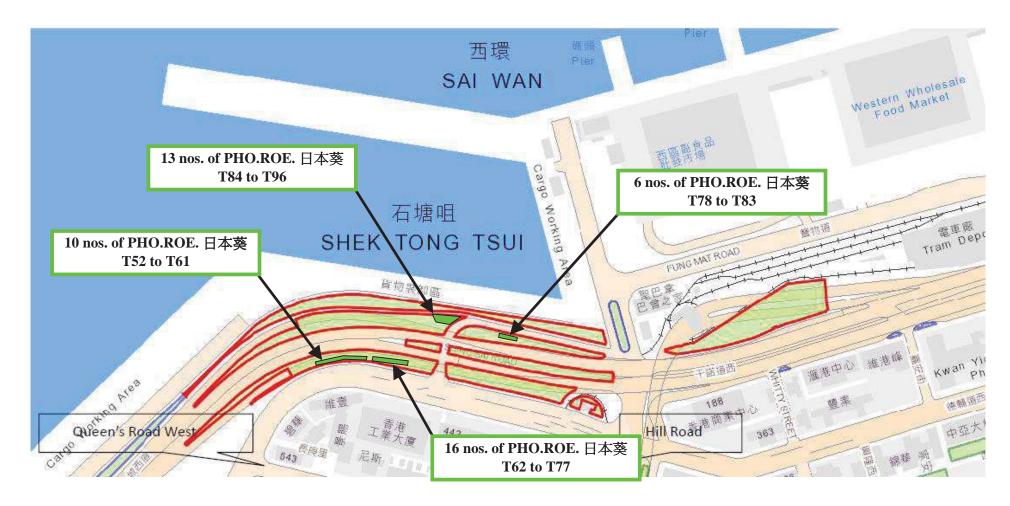
Appendix B – Landscape As-built Drawings of the Compensatory Trees at Ki Ling Lane Playground (SYP Entrance B3) and Off-site Areas for SYP and HKU Stations



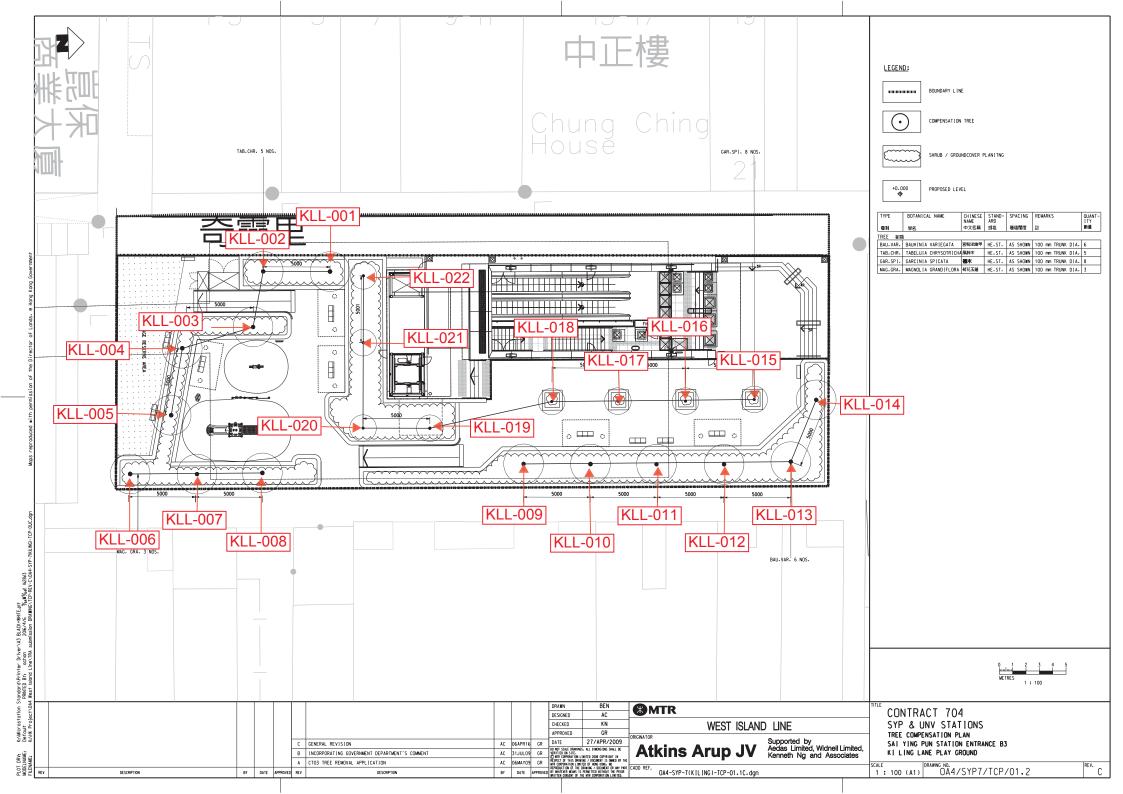
Layout Plan A - New Trees Location at Sun Yat Sen Memorial Park



<u>Layout Plan B - New Trees Location at Central and Western District Promenade – Sheung Wan Section</u>



Layout Plan C - New Trees Location at Western District near Fung Mat Road

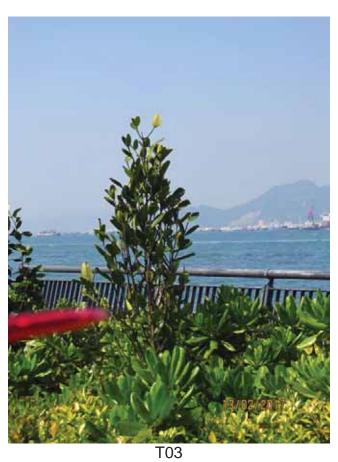




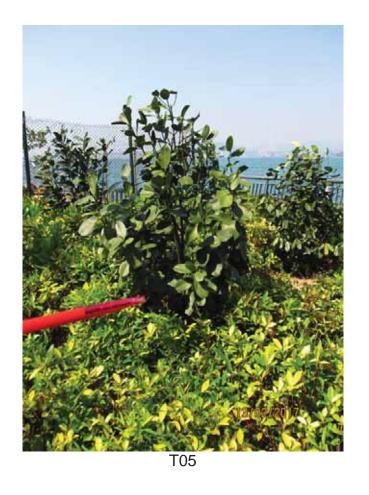
Appendix C – Photographic Record of Compensatory Trees during Inspection





























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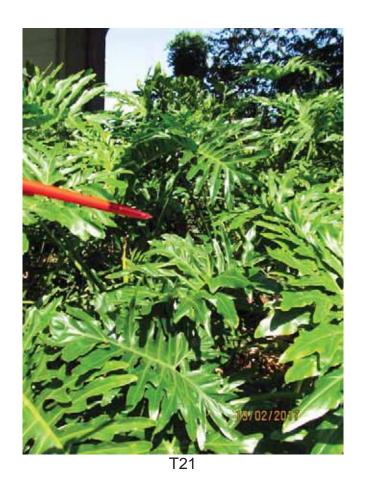


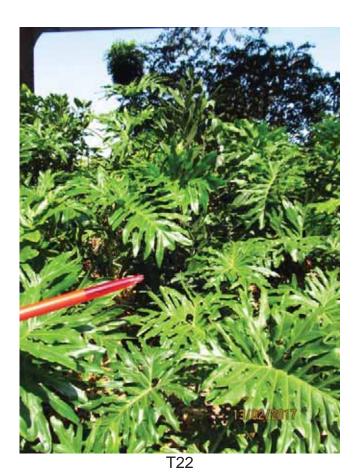
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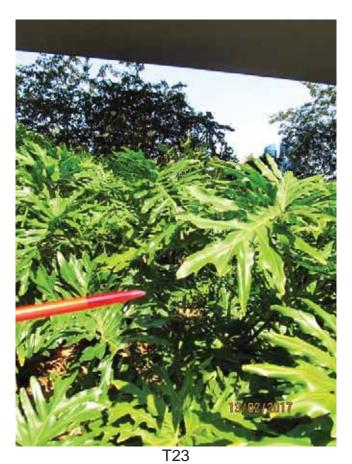


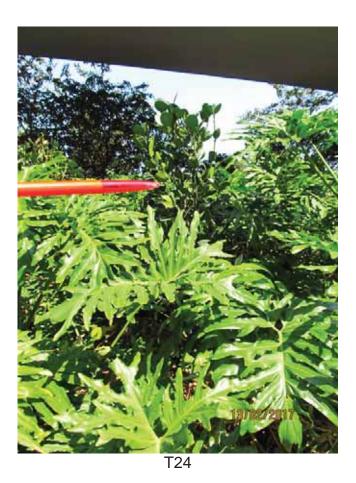


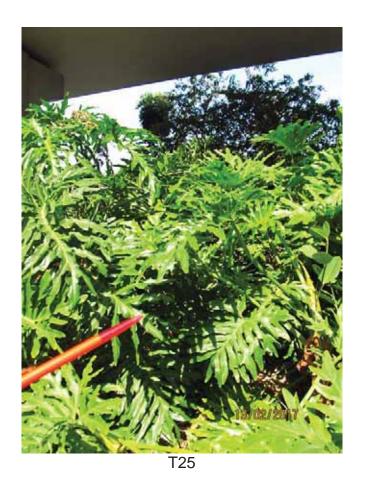
T19 T20

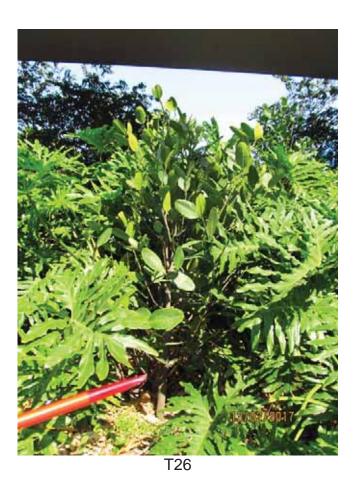


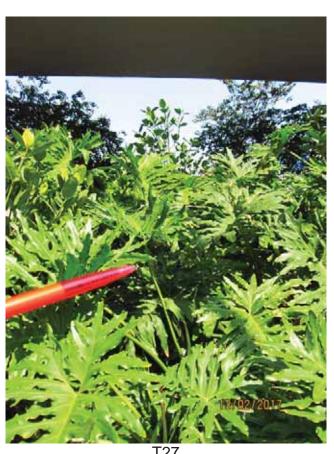








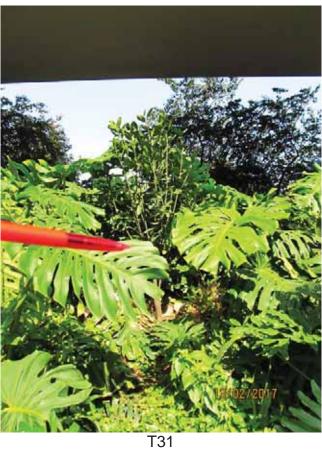


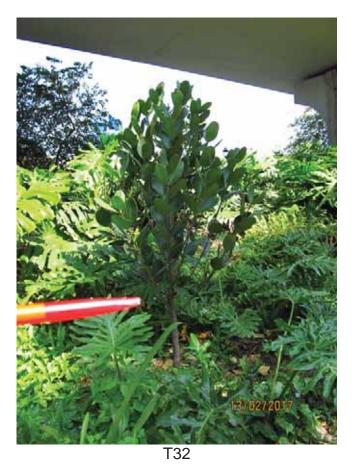












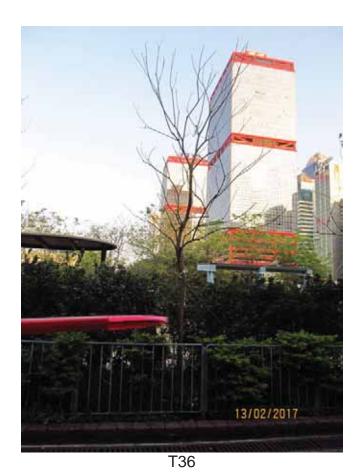




Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 13 Feb 2017

Central and Western District Promenade - Sheung Wan Section

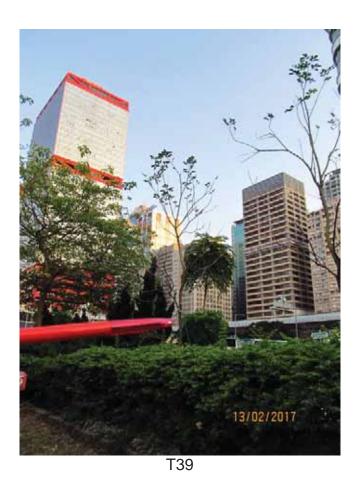


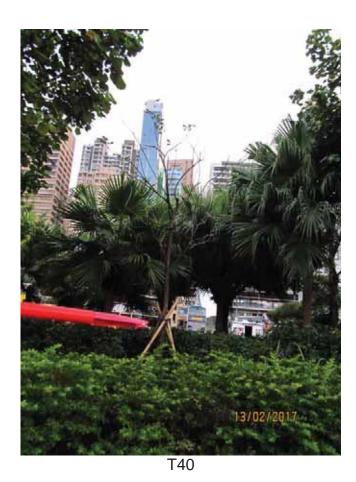




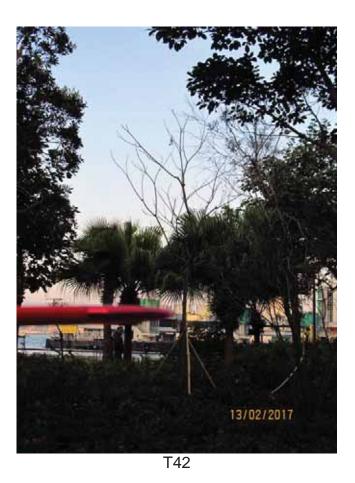


Central and Western District Promenade - Sheung Wan Section









Central and Western District Promenade - Sheung Wan Section





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Central and Western District Promenade - Sheung Wan Section





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T50

Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 13 Feb 2017

Central and Western District Promenade - Sheung Wan Section



T51











































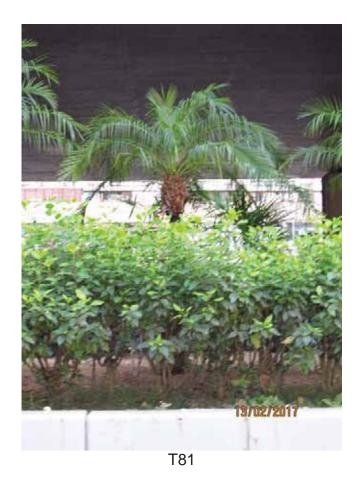




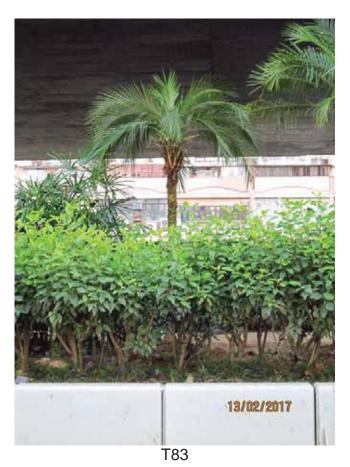










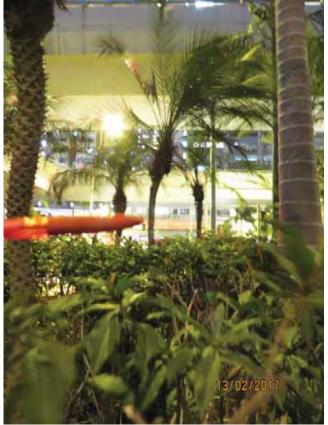






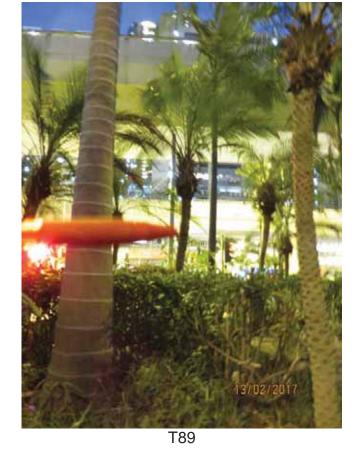
T85





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T93



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Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 13 Feb 2017
Western District near Fung Mat Road



T96







KLL-002



KLL-003



KLL-004



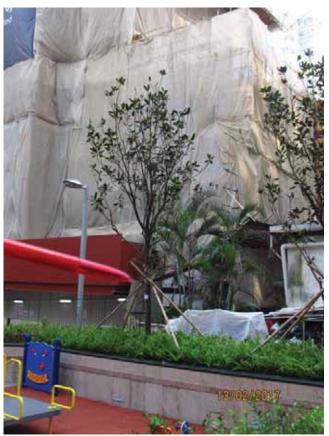




KLL-006



KLL-007



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KLL-010



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KLL-012



KLL-013





KLL-015



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KLL-018



KLL-020

Photographic Record for Landscape Auditing of Compensatory Planting of HKU and Sai Ying Pun Station dated 13 Feb 2017 Ki Ling Lane Playground





KLL-021

KLL-022