

香港
機場管理局 AIRPORT AUTHORITY HONG KONG

Expansion of Hong Kong International Airport into a Three-Runway System

Landscape & Visual Plan

February 2023

Environmental Resources Management
2509, 25/F One Harbourfront
18 Tak Fung Street
Kowloon
Hong Kong
Telephone 2271 3000
Facsimile 2723 5660

www.erm.com

ERM

The business of sustainability

Expansion of Hong Kong International Airport into a Three-Runway System

Landscape & Visual Plan

Document Code: 0313181_LV Plan

Environmental Resources Management

2509, 25/F One Harbourfront
18 Tak Fung Street
Kowloon
Hong Kong
Telephone: (852) 2271 3000
Facsimile: (852) 2723 5660
E-mail: post.hk@erm.com
http://www.erm.com

Client:	Project No:
Airport Authority Hong Kong	0313181
Summary: This report has been prepared as the Landscape & Visual Plan pursuant to Condition 2.18 of the Environmental Permit (EP-489/2014) issued for the *Expansion of Hong Kong International Airport into a Three-Runway System* Project	Date: 13 February 2023 Approved by:  *Terence Fong* *Partner*

Revision	Description	By	Checked	Approved	Date
1	Final Landscape & Visual Plan	JL	TF	TF	13/02/23
0	Final Landscape & Visual Plan	JL	TF	TF	22/12/22

This report has been prepared by Environmental Resources Management the trading name of 'ERM Hong-Kong, Limited', with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at their own risk.

Distribution

☐ Public

☒ Government

☐ Confidential

OHSAS 18001:2007
Certificate No. OHS 515956

ISO 9001 : 2008
Certificate No. FS 32515

This Landscape and Visual Plan has been reviewed and certified by the Environmental Team Leader (ETL)

in accordance with

Condition 2.18 of Environmental Permit No. EP-489/2014

Certified by:



Terence Kong
Environmental Team Leader (ETL)
Mott MacDonald Hong Kong Limited

Date 14 February 2023

AECOM
12/F, Grand Central Plaza, Tower 2, 138 Shatin Rural Committee Road, Shatin, Hong Kong
香港新界沙田鄉事會路 138 號新城市中央廣場第 2 座 12 樓
www.aecom.com
+852 3922 9000 tel
+852 3922 9797 fax

Our Ref : 60440482/C/RMKY230214

By Email

Airport Authority Hong Kong
HKIA Tower, 1 a Plaza Road
Hong Kong International Airport
Lantau, Hong Kong

Attn: Mr. Lawrence Tsui, Principal Manager, Environmental Compliance

14 February 2023

Dear Sir,

Contract No. 3102
3RS Independent Environmental Checker Consultancy Services

Landscape and Visual Plan

Reference is made to the submission of Landscape and Visual Plan under Condition 2.18 of the Environmental Permit No. EP-489/2014 certified by the ET Leader on 14 February 2023.

We have no comment on the captioned submission and we write to verify the captioned submission in accordance with the requirement stipulated in Condition 1.9 of EP-489/2014.

Should you have any query, please feel free to contact the undersigned at 3922 9141.

Yours faithfully,
AECOM Asia Co. Ltd.



Roy Man
Independent Environmental Checker

CONTENTS

1	INTRODUCTION AND CONTEXT	1
1.1	BACKGROUND	1
1.2	OBJECTIVES OF THE LANDSCAPE & VISUAL PLAN	2
1.3	SCOPE OF THE FINAL LANDSCAPE AND VISUAL PLAN	3
1.4	STRUCTURE OF THIS FINAL LANDSCAPE & VISUAL PLAN	4
2	DESIGN CODES, STANDARDS AND BENCH MARKS	6
2.1	RELEVANT LEGISLATION, CODES AND STANDARDS	6
2.2	LANDSCAPE AND VISUAL MITIGATION MEASURES FROM EIAO PROCESS	6
2.3	INTERNATIONAL BENCHMARKS & BEST PRACTICES	6
2.4	DESIGN QUALITY CRITERIA & BROAD BRUSH TARGETS	8
3	AESTHETIC ARCHITECTURAL DESIGNS FOR BUILDING STRUCTURES & FACILITIES	11
3.1	TERMINAL 2 (T2) EXPANSION	11
3.2	TERMINAL 2 CONCOURSE (T2C)	14
3.3	ANCILLARY BUILDINGS	16
4	TREE TREATMENT AND MASSED PLANTING PROPOSALS	17
4.1	TREE TREATMENT	17
4.2	IMPLEMENTATION PROGRAMME, MAINTENANCE AND MANAGEMENT SCHEDULES	22
5	IMPLEMENTATION OF LANDSCAPE AND VISUAL MITIGATION MEASURES	24

LIST OF ANNEXES

Annex A	Hong Kong Regulatory Framework
Annex B	International Standards and Best Practice – Airport Landscape Design
Annex C	Trees Assessment Schedule
Annex D	Generic Tree Protection Plan
Annex E	Tree Treatments Plans
Annex F	Typical Tree Transplantation Specification
Annex G	Compensatory Planting Plans and Recipient Locations for Transplanted Trees
Annex H	Photo Records of "Retain" and "Transplant" Trees

LIST OF FIGURES

Figure 1.1	*3RS Project Site Boundary*
Figure 2.1	*Zoning of the Airport Island for Existing Platform and Future 3RS (indicative only)*
Figure 2.2	*Site Coverage of Greenery – Plan (1)*
Figure 2.3	*Site Coverage of Greenery – Plan (2) & Greening Calculation*
Figure 2.4	*Site Coverage of Greener – Plan (3)*
Figure 3.1	*Landscape Master Plan*
Figure 3.1.1	*Landscape Master Plan – Zoom in Plan 1*
Figure 3.1.2	*Landscape Master Plan – Zoom in Plan 2*
Figure 3.1.3	*Landscape Master Plan – Zoom in Plan 3*
Figure 3.1.4	*Landscape Master Plan – Zoom in Plan 4*
Figure 3.2	*Recommended Landscape and Visual Mitigation Measures for Terminal 2 Building*
Figure 3.3	*Recommended Landscape and Visual Mitigation Measures for Terminal 2 Building (2)*
Figure 3.4	*Recommended Landscape and Visual Mitigation Measures for Terminal 2 Concourse*
Figure 3.5.1	*Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings*
Figure 3.5.2	*Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings*
Figure 3.5.3	*Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings*
Figure 3.5.4	*Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings*
Figure 3.5.5	*Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings*
Figure 3.5.6	*Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings*
Figure 3.5.7	*Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings*
Figure 3.5.8	*Recommended Landscape and Visual Mitigation Measures for Typical Ancillary Buildings*
Figure 3.6	*Typical Green Roof on Ancillary Buildings*
Figure 3.7	*Recommended Landscape and Visual Mitigation Measures for Viaduct Works*
Figure 5.1	*Recommended Landscape and Visual Mitigation Measures for Land Formation Edge*
Figure 5.2	*Overall View of Recommended Landscape and Visual Mitigation Measures for all above ground structures*
Figure 5.3	*Recommended Landscape and Visual Mitigation Measures for Greening Measures*
Figure 5.4	*Recommended Landscape and Visual Mitigation Measures for Streetscape*
Figure 5.5	*Recommended Landscape and Visual Mitigation Measures for Footbridge*

1 INTRODUCTION AND CONTEXT

1.1 BACKGROUND

The **Airport Authority Hong Kong** ("AAHK") is responsible for operation of the Hong Kong International Airport (HKIA). The HKIA Master Plan 2030 (MP2030) recommended expansion of HKIA into a three-runway system (3RS) ("the Project") as the best way forward to cope with the projected increase in air traffic demand and to secure the continual growth of HKIA operation for the benefit of the economic development of Hong Kong. This development option for HKIA received approval in principle from the Government of the Hong Kong Special Administrative Region (HKSAR) on 20 March 2012.

An Environmental Impact Assessment (EIA) Study Report for the Project was prepared in accordance with the study brief requirements (ESB-250/2012) issued by the Environmental Protection Department (EPD). The EIA Report for the Project (Register No. AEIAR-185/2014) was approved by the EPD on 7 November 2014 and the Environmental Permit (EP) (EP No. EP-489/2014) granted on 7 November 2014.

According to Environmental Permit (EP-489/2014) Condition 2.18, the AAHK shall 'no later than 3 months before the commencement of construction works on the formed land of the Project'…submit a…''Landscape and Visual Plan (L&V Plan)…to specify quality criteria on the overall landscape and visual environment of the Project with broad-brush targets to be achieved for greening and planting as benchmarked against international standards and best practises….The L&V Plan shall include at least the following information:

- aesthetic architectural designs for building structures and facilities;
- locations, size, number and plant species of trees to be transplanted and their final transplanting locations;
- locations, size, number and plant species to be felled;
- locations, size, number and plant species to be provided or compensated; and
- implementation programme, maintenance and management schedules."

1.2 *OBJECTIVES OF THE LANDSCAPE & VISUAL PLAN*

This L&V Plan submission is prepared in fulfilment of Specific Condition 2.18 of Environmental Permit (EP-489/2014) and sets out to:

- Specify quality criteria on the overall landscape and visual environment of the Project with broad-brush targets to be achieved for greening and planting as benchmarked against international standards and best practices;
- Describe the architectural design for building structures and facilities and show how they meet the broad-brush targets and mitigation measures set out in the EIA;
- Describe the proposals for massed tree transplantation, felling and compensation to show how the broad-brush targets and mitigation measures set out in the EIA are being achieved; and
- Set out the implementation, maintenance and management schedule so that it is coordinated effectively and in accordance with measures set out in the EIA.

The L&V Plan submission is required no later than 3 months before the commencement of construction works on the formed land of the 3RS Project (see ***Section 1.1*** above). To fulfil this commitment, a preliminary L&V Plan was formally submitted to EPD on 28 December 2018, 3 months in advance of the construction commencement on formed land. The early submission required by EP Specific Condition 2.18 has presented challenges in terms of ability to provide required L&V content in sufficient detail due to the detailed design process for relevant 3RS facilities, infrastructure and landscaping design not yet being completed (noting the 3RS project is scheduled to commence operations in 2024).

Thereafter, an Initial Revised L&V Plan was submitted to EPD on 18 January 2021 to update the detail provided in the December 2018 preliminary submission and was based on design information and planning details available at the time of preparation.

This Final L&V Plan captures the completed 3RS buildings and infrastructure detailed designs and associated landscaping design. The Final L&V Plan includes relevant updates to the information presented in the Initial Revised L&V Plan as well as other additional details, not limited to the following:

- Presentation of appropriate landscape and visual details for the 3RS Project, including conceptual plans/ drawings and photomontages on general greening and design arrangements for the Terminal 2 (T2) Expansion, the Terminal 2 Concourse (T2C) (previously known as the Third Runway Concourse) and for other representative buildings and facilities (e.g. showing site area, site

coverage, disposition of buildings and building height where appropriate) as well as overview details on committed 3RS Project L&V mitigation measures.

- Updated presentation of visual aspect details not limited to:
  - Detailed conceptual plans/ drawings, photomontages illustrating/ identifying the landscape and visual mitigation measures of the 3RS Project;
  - Perspective drawings and photomontages demonstrating the aesthetic architectural designs of T2 Expansion and T2C with the detail presented emphasising the interface between external and surrounding landscapes;
  - General depiction of greening and design arrangements for representative structures in addition to the T2 Expansion and T2C;
  - Location and details of internal landscapes within buildings; and
  - An overall Key Plan for the whole 3RS project area including relevant information on the proposed mitigation measures in the Master Landscape Plan

- A full update including illustrations on greening measures and their extent across the 3RS Project, not limited to greening of external areas such as airside turf greening, roadside and amenity planting, and other greening area details such as at grade greening and internal space greening, roof top greening, screen and indoor planting;

- A full update on status of achievement of landscape and visual mitigation measures including an overall mitigation measures plan and relevant blow outs (with appropriate scale) to better identify relevant mitigation measures; and

- A full update on tree management aspects including details on tree compensation such as tree species, quantity, planting locations, plant spacing and soiling detail as appropriate.

1.3 SCOPE OF THE FINAL LANDSCAPE AND VISUAL PLAN

The site area for 3RS Project landscape and visual aspects matches the area captured in the "Landscape and Visual Mitigation Arrangement Plan – CLK" (Figure MCL/P132/EIA/15-028.1 (Rev.C)) as presented in the EIA. The specific focus of EIA / EP landscape and visual mitigation measures and commitments extends to the new reclaimed land area (covering the Western Support Area (WSA), Eastern Support Area (ESA), the T2C, the Apron and new Airfield areas), the T2 Expansion and the associated APM and BHS infrastructure developments on the existing airport island and the centre runway area.

The anticipated road alterations identified for the existing southern cargo area and in the western area of the existing airport are not under planning at this time and

associated L&V commitments for these areas are not considered further in this plan. ***Figure 1.1*** "Coverage of 3RS Key Project Components" defines the focus area of the 3RS Project L&V effort.

The new 3RS airfield areas and many of the associated 3RS Project ancillary buildings, facilities and supporting infrastructure have limited potential for the incorporation of significant landscape and visual elements into their designs, principally because of the functional nature of airport facilities and supporting infrastructure in the operational airport setting. Nonetheless, relevant landscape and visual elements are also included for representative ancillary buildings to provide complete coverage of new facilities and infrastructure.

The T2 Expansion on the existing airport island and the new T2C on the newly formed land area are the key 3RS developments with significant aesthetic architectural design opportunities. These major 3RS Project buildings are therefore the main focus of **Chapter 3** of this plan and substantive details are included on aesthetic architectural designs for these key building structures and associated facilities. **Chapter 4** focuses on the treatment of trees and tree management across the 3RS Project as a whole. **Chapter 5** provides details on the implementation of the landscape and visual mitigation measures in the form of an implementation schedule.

1.4 STRUCTURE OF THIS FINAL LANDSCAPE & VISUAL PLAN

The structure of the Final L&V Plan is as follows:

Chapter 1 - Introduction and Context

Chapter 2 - Design Codes and Standards – Including the Local Regulatory Framework, information regarding International Benchmarking and the Recommended Design Quality Criteria and Broad Brush Targets.

Chapter 3 - Provides a detailed description of the aesthetic architectural designs for building structures and facilities, focusing on the T2 Expansion, the T2C and associated ancillary buildings and facilities.

Chapter 4 - Provides detailed information on the Project's treatment of trees, including trees being retained, transplanted or felled along with compensatory tree planting detail in accordance with Initial Landscape and Visual Plan submitted on 18 January 2021. The implementation program is also covered, including maintenance and management schedules.

Chapter 5 - Outlines the landscape and visual mitigation measures to be implemented, including the implementation agent, location, timing and status.

Annex A – Hong Kong Regulatory Framework

Annex B – International Standards & Best Practice– Airport Landscape Design

Annex C – Trees Assessment Schedule

Annex D – Generic Tree Protection Plans

Annex E – Tree Treatments Plans

Annex F– Typical Tree Transplantation Specification

Annex G – Compensatory Tree Planting Plans and Recipient Locations for Transplanted Trees

Annex H– Photo Records of “Retain” and “Transplant” Trees

2 DESIGN CODES, STANDARDS AND BENCH MARKS

This chapter sets out the legislation, codes and standards of relevance to this Plan. A comprehensive review of available and relevant international standards and/or best practices relating to the landscape and visual environment of an airport setting was also conducted, with quality criteria and broad brush targets for the Project recommended.

2.1 *RELEVANT LEGISLATION, CODES AND STANDARDS*

Annex A summarises the Hong Kong legislation, codes and standards that are of relevance to this Plan. In addition, HKIA has an established planting scheme in place; the airport island is generally divided into distinct zones according to distance from runways and land use (***Figure 2.1***), with all planting required to adhere to the Approved Plant Species List (APSL). The APSL serves as a guide for project proponents on HKIA when planting proposals are under consideration for different areas on the airport island and aims to strike a balance between aviation safety and landscape attractiveness, both within the airport boundary and in its close vicinity.

2.2 *LANDSCAPE AND VISUAL MITIGATION MEASURES FROM EIAO PROCESS*

Landscape and visual mitigation measures from the EIAO process are detailed in ***Table 5.1***, which provides a review of the Project landscape design against these landscape and visual mitigation measures, summarising how they are considered and integrated into the Project.

2.3 *INTERNATIONAL BENCHMARKS & BEST PRACTICES*

An extensive review of international standards and best practices has been conducted focusing on landscape master planning in relation to the design of airports around the world and considering other relevant information such as architectural awards and general guidelines on airport design (See ***Annex B***). Some international standards for airport environmental planning do exist, but are primarily focused on noise, air quality, greenhouse gas emissions and improving efficiency to reduce use of natural resources. In particular the International Civil Aviation Organization (ICAO) (1) includes 'Environmental Protection' amongst its five strategic objectives (2), however ICAO documents on Airport Planning and Design aspects do not include specific standards for landscape design criteria or greening. Overall the review concluded there are no

(1) ICAO is a UN specialized agency, established by States in 1944 to manage the administration and governance of the Convention on International Civil Aviation (Chicago Convention)

(2) For ICAO's Strategic Objectives, see at: https://www.icao.int/Pages/default.aspx

internationally recognised quality criteria, broad-brush targets, standards or best practices for airport landscapes, although some commonalities across aviation facilities do exist.

Since no particular international targets or broad brush targets for landscape or greening requirements have been identified that are relevant to the HKIA context, the Hong Kong regulatory framework has been carefully reviewed to determine guidance or criteria that may be relevant to the HKIA setting, given the clear need to strike a balance between aviation safety and landscape attractiveness and greening.

Sustainable Building Design Guidelines

The Buildings Department, Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers – Sustainable Building Design Guidelines (PNAPP 152), which promulgates guidelines on building design intended to enhance the quality and sustainability of the built environment in Hong Kong, captures recommended practices for aspects including site coverage, with recommendations for greenery targets in different Hong Kong developments. In particular, PNAPP 152 identifies a general requirement for 30% greenery for developments with a site area equal to or greater than 20,000 m^2, while it also recognises there are special circumstances in which genuine difficulties in achieving such coverage may be encountered, including buildings serving special functions. In the case of the 3RS Project, the PNAPP152 requirement for 30% greenery is not practicable due to the special nature and function of the airport facility, with its significant safety considerations for aeronautical activities.

BEAM Plus

The AAHK has been awarded a Provisional Platinum rating under the BEAM Plus New Buildings (NB) standard (Version 1.2) for both the T2 Expansion and the T2C.

BEAM Plus is the leading green building initiative in Hong Kong, and uses independent, third party assessments to determine building sustainability performance, seeking to enhance the environmental performance of new buildings, while also improving user satisfaction. The BEAM Plus assessment process involves an Independent Assessor considering a comprehensive set of criteria (defined by the BEAM Society Limited - BSL) to assess sustainability performance aspects relating to planning, design, construction, commissioning, management, operation and maintenance of a building. Some of the assessment criteria are relevant to landscape and greening and these have been considered at the planning and design phases of both the T2 Expansion and T2C.

One of the BEAM Plus criteria as specified in the BEAM Plus NB Version 1.2 Manual requires that project proponents developing typical residential or commercial buildings consider landscaping up to 30% - 40% of the available site area to maximise credits. Yet, due to the special functional, security and operational needs of the T2 Expansion and T2C within the operating airport environment, it is recognized that the

stated percentage planting and greening targets are not suitable for direct application. This understanding is in line with the recognition, as discussed above, that the PNAPP 152 requirement for 30% greenery is not practicable due to the special nature and function of airport facilities.

2.4 DESIGN QUALITY CRITERIA & BROAD BRUSH TARGETS

Following the review of international standards and best practices as well as the Hong Kong regulatory framework, design quality criteria for the overall landscape and visual environment of the Project have been developed, with suggested broad-brush targets to help achieve the design quality criteria. These are set out in ***Table 2.1***. As noted in ***Section 2.3***, there are no specific, internationally recognized guidelines or standards for landscape design and greening at airports. Findings from the benchmarking review of international standards and best practice for airport landscape design (see ***Annex B***) identifies that other international airports adopt different greening and planting practices/ approach to best suit their specific and respective local environments and surroundings. No one particular approach on landscaping and greening adopted at other airports was found to fit the HKIA case, and there is no readily available template to guide the approach for the 3RS Project at HKIA. However, most of the required landscaping that is in association with the 3RS works footprint on the existing airport land area and a key landscaping aim here tie in with well-established landscape characteristics and themes in place for many years at HKIA, guided by the strict requirements of the APSL with its balance of aviation safety and landscape attractiveness.

It is important to note that the current airport island has extremely limited land availability. The airport is an intensively used site with the majority of landside areas occupied by various airport infrastructure, transport, commercial and operations support facilities. With the 3RS development further encroaching into the existing two-runway system (2RS) land areas, the available remaining areas that are suitable for greening and landscaping are extremely limited. Nonetheless, AAHK has endeavoured to include landscaping features and greenery coverage as far as practicable; the extent of greening for the area covering 3RS key project components is around 20% (refer to ***Figure 2.2*** and ***Figure 2.3*** for the coverage of 3RS key project components and greening calculation and ***Figure 2.4*** for the further breakdown of airside turf, roadside planting and amenity planting greening categories). New landscaping designs associated with 3RS development encroaching into 2RS land areas and in the numerous tree compensation areas have been coordinated to reflect the existing established landscape character and 'sense of place' of Hong Kong and the airport location.

3RS Project Greenery

The total area for which a greenery target has been calculated is defined in ***Figure 1.1*** and includes the new reclaimed land area (covering the WSA, ESA, the T2C, the Apron

and new Airfield areas), the T2 Expansion and the associated APM and BHS infrastructure developments, and associated areas on the existing airport island as well as the centre runway area.

For airport operations related projects, the International Standard and Recommended Practice, Annex 14 –on the Convention on International Civil Aviation (Section 9.4.4) mentions that any source attracting bird activity shall be prevented (i.e. in order to avoid bird hazard). Certain types of landscaping and greenery can provide food or shelter that may attract birds into the aerodrome and this may increase the risk of bird hazard, therefore the scale of soft landscaping needs to be controlled for safety reasons. This understanding is also in line with the provision in paragraph 12 of the "Special Considerations" subsection in PNAP APP-152 Sustainable Building Design Guidelines (SBDG) issued by the Buildings Department (BD). This section specifically notes that while the SBDG requires at least 30% of greenery coverage for sites with an area ≥20,000m^2, it recognizes the genuine difficulties in complying with this requirement for new buildings serving special functions, including terminals, ferry piers and stadia, etc. Excessive or certain types of greenery/ landscaping in an airport setting can have adverse impacts due to the potential for attracting bird activity, leading to potential aviation hazards.

Nevertheless, greenery areas within the coverage of 3RS key project components captured in ***Figure 1.1*** is calculated to comprise around 23% of the project footprint (refer to ***Figures 2.2*** **to** ***2.4*** for detail on the size of the entire area, greening categories and overall greening area detail) and include 3RS land reclamation green areas (e.g. airfield turf areas) and landscape areas around the T2 Expansion and the associated APM and BHS infrastructure developments in the existing 2RS land areas (e.g. roadside and amenity planting). Other greening areas, including roof top greening, screen planting and indoor planting areas, are provided in various locations of the buildings, i.e. ancillary buildings (mainly roof top greening- ***Figure 3.6***), T2 Expansion and T2C (mainly indoor plantings- ***Figure 5.3***), and compensatory tree plantings in the south cargo area (mainly for screen planting – ***Figure 3.1.3***). It is however noted that building related greening (e.g. green roofs, indoor or other similar greening) is classified as internal landscaping and is not counted towards the total 3RS Project greening percentage.

Table 2.1 Recommended Design Quality Criteria and Broad Brush Targets

#	Design Quality Criteria	Broad Brush Target
1	Create a 'sense of place' by relating the landscape design to the unique character of the site context in Hong Kong	*See information in Chapter 3 and also:* • Landscape themes respond to the specific character and site context of each of the landscaped areas (Referring to *Section 3.1- Landscape Design under T2 Expansion* and *Section 3.2- Landscape Design for the T2C*, both sections describe how desired character and theming is achieved through the landscape design.)
2	Enhance the airport's appearance through an attractive and innovative landscape setting and the creation of a welcoming gateway on arrival and departure	*See information in Chapter 3 and also:* • Landscape themes are coordinated across the different public exposure zones, with an emphasis on an exciting and attractive welcoming gateway to HKIA (Referring to *Section 3.1-Landscape Design under T2 Expansion,* the description of the planting design to create sense of arrival for visitor is adopted.*)*
3.	Maximise greening of external open space, including reclamation edge	• Target to achieve 20% green coverage as far as practicable in external open spaces. Green coverage includes airside turf planting, roadside planting and amenity planting.
4	Balance built form by connecting it to the external and surrounding landscape	*See information in Chapter 3 and also:* • Ensure interface areas between built form and the external spaces contain landscape hard and soft elements, unless otherwise justified (Referring *Figure 3.1*, *Figure 3.1.1 and Figure 3.1.2* show that the interface areas between built form and the external spaces contain landscape hard and soft elements). • Integrate building and landscape design so that there is no abrupt boundary between the two environments (See *Figure 3.1*, *Figure 3.1.1 and Figure 3.1.2* show that there is no abrupt boundary between them.).
5	Maximise internal landscapes within building structures.	• Ensure consideration has been made to integrate greening (e.g. indoor planting and within planters, etc.) within key building structures, where feasible.
6	Minimise adverse impacts on the existing landscape and visual resources	• Compensate felled trees based on a target replacement ration of 1:1 (See *Section 4.1, para 3- Tree Compensatory,* 1:1 ratio is adopted in accordance with technical circulars, in which most of the trees need to be compensated outside the works sites. Detail refer to *Table 4.2*). • • Requirement that 100% of disturbed areas (e.g. temporary works areas) shall be reinstated.
7	Select planting species that are sustainable and do not attract wildlife, are characteristic of the local micro-climate and are economically feasible and cost-effective to maintain	• Ensure the planting species comply with the Airport's Approved Plant Species List (See *Section 4.1* and *Table 4.3.* A list of tree species is provided in accordance with APSL). • Reduce potable water use for landscaping to a practical, cost-effective minimum, beyond a 12-month establishment period.

3 AESTHETIC ARCHITECTURAL DESIGNS FOR BUILDING STRUCTURES & FACILITIES

The T2 Expansion and T2C are the key elements of the 3RS Project providing the opportunity for exceptional architectural design, and these two major buildings are therefore the focus of this Chapter.

Other important buildings under development as part of the 3RS Project include ancillary buildings, facilities and infrastructure associated with an operating airport. These include airfield fire stations, ground support services equipment staging and servicing facilities, Air Traffic Control observation facilities, Civil Aviation Department (CAD) facilities, Hong Kong Observatory (HKO) facilities, stores, security gatehouses, and various other small scale ancillary buildings. The WSA and ESA will also have a number of mainly franchisee and government airport buildings supporting the operational needs of the 3RS, including a Police Operational Base, fire stations, cargo handling facilities, aircraft caterers, aircraft maintenance facilities and so on.

In general, these buildings have rather limited potential to significantly affect the Project's landscape and visual environment due to building functionality, airport height limit restrictions and very onerous limitations on planting and reflectivity in airside areas; landscape provision in the airside is limited to grass only. Nonetheless, these ancillary buildings and facilities have been designed to adopt a consistent and complementary design language, using a suitable palette of colour and finish both to complement each other and to suit individual roles and locations. Roof areas and elevations have a similar patterned visual treatment for consistency.

3.1 TERMINAL 2 (T2) EXPANSION

Terminal 2 (T2) is being expanded from a departures only facility to a full service processing terminal (serving departures, arrivals and transfer passengers) with connected functionality to the T2C. The T2 Expansion involves the construction of the T2 main building, including the basement, north and south annex buildings (CP2a and CP2b) connected by pedestrian bridges, the associated road network for connecting with existing airport facilities and utility upgrading works. The expanded T2 will comprise eight storeys with a maximum building height of 51.20mPD. The net site area of the T2 Expansion is approx. 130,138m^2, while the overall site coverage of the T2 main building within the site boundary is approximately 52.5%.

Background and Architectural Design Objectives for T2 Expansion Building Structures/Facilities

The architectural idea centres around a 'Feather' concept that is aerodynamic and reminiscent of flight. It aims to reflect and re-interpret the architectural language of Terminal 1, but with a fresh and invigorating approach. It also aims to provide a logical planning approach and intuitive orientation benefit for the passengers with its strong east/west directionality.

The new T2 development has been designed to provide an architectural response to the existing adjacent airport buildings such as Terminal 1 and the Ground Transportation Centre. There are access road systems at ground level providing entrances and exits from the covered coach station, carparks, HKIA Tower, and HKIA Commercial Building. The building external facades have a hierarchy of finish and colour. At ground level, darker tone grey provides a heavier visual base with lighter tone metallic silver cladding and louvres then applied to the upper podium floors. The Check-in Hall is enclosed by full height glazing allowing natural light into the public areas and views out in all directions. The main roof has a gently undulating geometry echoing the directionality of Terminal 1 and the baffled ceilings respond to this geometry – gently rising and falling to emphasis the scale of the space. The roof edges allow the baffles to continue externally providing a visually seamless transition from interior to exterior, whilst providing solar shading to the facades. At the West elevation the roof dramatically over sails the vehicle drop off, providing rain protection and a visually exciting experience. The roof edge profiles are coloured in a subtle bronze tone providing a unique identity and quality to the shaped aluminium geometry. The exterior roof surfaces are clad in silver colour tones.

The roof is supported by slender, splayed steel columns which provide visually delicate elements within the public areas. These columns appear externally on the North and South elevations providing visual continuity.

There are a number of buildings adjacent to the main T2 building. These include new multi-storey car park facilities (Car Park 2a and Car Park 2b), vent and Trolley Recirculation structures. The architectural treatment of these is consistent with and use the same design language as T2. Enclosed footbridges link T2 with adjacent buildings such as 11 SKIES and beyond to AsiaWorld-Expo. These footbridges follow a coherent design with glazed facades and bright, airy internal spaces.

Overall this fits with the design quality criteria of creating a 'sense of place' (design quality criteria #1) and enhancing the airport's appearance (design quality criteria #2) as well as balancing built form by connecting the building with the external elements (design quality criteria #4). ***Figure 3.2 and 3.3*** illustrates some of the T2 Expansion design concepts.

Landscape Design of T2 Expansion

A holistic Landscape Masterplan has been developed for the T2 Expansion works covering the proposed building, landscape deck and departure kerb, and the planting strategy aims to create a unique arrival experience that compliments the scenic journey offered by Lantau Island to the south (design quality criteria #1, #2, #3, #4). Rhythmical landform, accentuated by shrub plantings and coloured gravel are proposed that integrates with the viaduct structure to soften the visual impact of the engineering infrastructure. Overall, the delicate arrangement of the planting layout aims to create a compelling visual stimulation and enhance the sense of arrival for visitors (design quality criteria #2). Planting layouts are carefully arranged to respond

to the speed of travel and the spatial planning of buildings and road works (design quality criteria #4).

Overall, the landscape design for T2 Expansion can be categorized into areas with relatively higher or lower exposure (visually or physically) to visitors. For soft landscape works, the planting species are selected in accordance with the HKIA APSL (design quality criteria #7) as well as their suitability and adaptability to their planting location and their association with adjacent species to create the desired visual effect (design quality criteria #7).

External areas with high exposure to visitors include the departures drop off, arrival kerb area, landscaped flat roof areas, and the new landscaped decks at the Airport Authority's offices HKIA Tower (HKIAT) and HKIA Commercial Building (HKIACOM). Soft landscape treatment in these areas visually enhances edge treatment of terrace structures (design quality criteria #4), responds to the surrounding buildings/ structures to create a visually stimulating pattern and pleasant environment, and transforms certain areas into intimate spaces that might be used by office workers or visitors for leisure and passive use (e.g. a "pocket garden" on the deck at HKIAT and HKIACOM).

The BEAM Plus process requires a Provisional Assessment (PA) of buildings to determine the expected BEAM Plus rating based on confirmed designs and environmental commitments early in the project cycle. The T2 Expansion has achieved a Platinum rating at the BEAM Plus PA stage. Given that specific BEAM Plus credits for percentage planting and greening targets are not being directly applied to the T2 Expansion, an approach of seeking to maximise greenery and landscapes in areas with higher public exposure has been adopted as part of the design.

3.2 *TERMINAL 2 CONCOURSE (T2C)*

T2C is an airside passenger concourse building with full departures, arrivals & transfer functions. In the Initial Phase of the Project, the T2C will comprise seven storeys with a maximum building height of about +50mPD, with 38 contact aircraft parking positions, 28 fixed link bridges (FLB), a new Air Traffic Control (ATC) Tower to the south along with associated safeguarding and enabling works to facilitate future expansion. The site area of T2C is approx. 130,142m^2. To align with the expected slower passenger growth in the wake of the COVID-19 pandemic it should be noted that AAHK will undertake a flexible phasing plan for the commissioning of some portions of the 3RS passenger facilities from 2024 onwards, and therefore not all elements of the T2C initial phase will necessarily be opened at the same time.

Background and Architectural Design Objectives for T2C Building Structures/Facilities

Architecturally, the T2C will be themed as a microcosm of Hong Kong, with internal finishes and interior design elements reflecting the idea of distinct civic, urban, and natural spaces - providing an underlying framework to give the concourse unique visual characteristics (design quality criteria #1, #2, #4) while taking functionality, performance, longevity, efficiency and 24/7 operations into account.

Distinct from the existing HKIA T1 where passengers move through all processes under a single roof, future T2C passengers will be required to ride an Automated People Mover (APM) from the new T2 processing facility to the new airside T2C. The two buildings will form part of a singular sequential harmonious experience for passengers. This synergy will be enhanced by the building's architecture, with the major elements and spaces of the building (such as roof form, roof columns, lighting, interior design, etc.) following a similar architectural design language. A linear ribbon roof design approach is proposed for both the T2 Expansion and T2C, with the legibility, orientation, responsiveness and clarity from the T2 Expansion extending through to the T2C. The roof is interspersed with linear skylights in the Concourse wings, and a central skylight over the central 'Node' area. Solar panels are situated at the East roof expanse and two light wells allow daylight into level 8 of the T2C. The conceptual architectural design of T2C is provided in the "Overall T2C View" drawings in ***Figure 3.4.***

This synergy and linkage will also be a feature of the interior and lighting designs for the two buildings. Lighting spectrums and portals for enhancing spatial orientation, sense of space and ambience will be designed to enhance and support the T2C architecture as well as being themed to reflect Hong Kong local experiences. Interior public area lighting is directional and designed to avoid glare from internal or external areas. Lighting to the external landscaped courtyard will be low level with some accent lighting to landscaped features and planting. Building perimeter lighting is generally provided by high mast fittings necessary for aircraft operational areas (OM5) (***Figure 3.4***).

The visual massing of the T2C is reduced by the extensive use of glass in both the main elevations and also in the Fixed Link Bridges. The roof incorporates gentle and

sweeping curvature and has a continuous roof edge profile that accentuates its linear form and flowing geometry (OM3)(***Figure 3.1***, ***Figure 3.1.2*** and ***Figure 3.4***).

Facade and roof materials and colours are in harmony with the other airport passenger buildings. Darker colours are used at the apron level to visually lift the building facades and to provide a consistent ground level banding. Silver and grey tones provide a level of reflectance to the roof edges and facade elements (OM4) (***Figure 3.1***, ***Figure 3.1.2*** and ***Figure 3.4***).

The new Air Traffic Control Tower is sited adjacent to the T2C and is connected via a glazed pedestrian bridge. The tower sits on an accommodation block which is designed to complement the Fixed Link Bridges and Concourse facades. The tower is clad in silver perforated aluminium which subtlety changes in geometry to transition from a square plan form at the base to a circular plan form at high level. Circular accommodation floors and a dedicated antenna floor provide a strong visual identity complimented by careful external lighting features which highlight the circular floors. Vertical light strips in the tower cladding funnel emphasize the verticality of this element of the 103m high structure. The new tower will provide an iconic architectural element for HKIA.

Landscape Design for the T2C

In line with the architectural design concept and theming, and inspired by Hong Kong as one of the world's most exciting and vibrant cities, the planned landscape design of the T2C will provide a critical, integrated solution to ensure the desired character and theming is achieved (design quality criteria #1, #2, #5). ***Figure 3.4*** illustrates some of the T2C design elements.

Landscape designs are a key consideration for the interior of the concourse, mainly in the external courtyard area at the Departures Level (design quality criteria #5). The character of the T2C interior landscape will be a continuation of the T2 Expansion interior landscape narrative with the T2C landscape focus being the courtyard.

T2C will incorporate a substantial landscaped outside courtyard which is accessed directly from the departures level. Passengers are able to enter the courtyard from a number of locations. The courtyard has a variety of pathways, seating areas and landscaping features, along with trees and low level planting. Greening will comprise shrubs and plants from the HKIA APSL. The courtyard has been designed to be a relaxed and natural environment for passenger enjoyment with landscaping visible through the glass facades from the surrounding interior concourse seating and circulation areas (OM6)(***Figure 3.1.2*** and ***Figure 3.4***). The courtyard will be a major and unique feature and the landscape will help provide a range of experiences and activities that can be enjoyed from within the courtyard itself as well as from inside the concourse areas. The concept relies on creating a series of hills or mounds that elevate the planting and help define intervening spaces, providing a series of different spaces and routes through the landscaped areas. The courtyard may be seen as a garden within which one can casually walk and explore different vistas and attractions. The main facilities in the courtyard will include water features, a variety of planting

themes, elevated walkways, children's play areas and open spaces that collectively will allow for a range of outdoor events and activities to take place. T2C is also targeting the Platinum rating in the BEAM Plus Assessment. Again, given the special nature of the T2C as an airport building located entirely in the airside operational area of the airport, it is recognised that no external perimeter landscaping and greenery is possible. Therefore, planting and soft landscaping will be limited to internal areas of the building, including in an outdoor courtyard within the confines of the concourse, as detailed above. The courtyard landscape will be classed as an internal landscape and will not count towards the overall project greenery coverage.

3.3 ANCILLARY BUILDINGS

Ancillary buildings are mostly located within the Eastern and Western Support Areas with some also located around the T2C (refer to ***Figure 3.1***). These buildings are of a functional nature and include ground services equipment, staging and servicing facilities, air traffic control observation facilities, Civil Aviation Department (CAD) facilities, Hong Kong Observatory (HKO) facilities, stores, security gatehouses, and many other small ancillary buildings. These buildings support the airport operating function and the aviation system at the airport and are a critical part of the 3RS Project. Given the highly constrained airside environment with its focus on safety aspects, the design of all ancillary buildings is very functional, with limited, if any landscaping. However, a holistic design of such buildings has been considered with buildings designed to be in harmony with the other main airport buildings, i.e. T2 and T2C. ***Figures 3.5.1*** to ***3.5.7*** provide indicative images of the general appearance of some key ancillary buildings while ***Figure 3.5.8*** provides typical ancillary building designs with mitigation measures.

4 TREE TREATMENT AND MASSED PLANTING PROPOSALS

This chapter details the treatment of trees for the Project, summarizing locations, size, number and plant species of trees to be transplanted, felled or compensated, before providing information on the programme implementation, maintenance and management schedules.

4.1 TREE TREATMENT

The principle of tree preservation/ tree treatment follows the below hierarchy, with #1 being the top priority:

1. Retain trees at their existing locations and avoid impacting trees if possible;

2. If impact and removal of trees is unavoidable (e.g. due to overlap with construction works or impact on long-term viability of the tree), suitable trees should be transplanted off-site in a permanent location. The preferred location of the receptor site is near to the project site if possible, to retain the amenity effect in the vicinity. Only trees suitable for transplanting should be considered for transplanting. Factors to be taken into account when determining if a tree is transplantable include:

    - Conditions of the tree to be transplanted (including form, health and structure), which may affect the success of the proposed transplanting;

    - Size (transplanting is often deemed impractical for trees over a certain size), species (species are recognised as generally having a different survival rate after transplanting), and conservation status of the tree to be transplanted;

    - Availability and suitability of a permanent receptor site, both within and outside the Project site;

    - Adequate time for preparation of any transplanting operation;

    - Identification of a long-term maintenance party for the transplanted tree(s);

    - Access to the existing location and transportation to the receptor site (including availability of access to accommodate the tree, topography of the proposed route, engineering limitations, etc.); and

    - Cost-effectiveness.

3. If neither retaining nor transplanting trees is considered practicable, the last choice is to fell/ remove trees impacted by the Project and undertake compensatory tree planting either within the site or at an appropriate off-site area.

The proposed tree treatment were updated in this Final L&V Plan. The difference between the Initial Revised L&V Plan and this Final L&V Plan is shown in ***Annex C*** – Tree

Assessment Schedule. Approximately 2,414 trees were included in this LVP within the area covering 3RS key project components. A summary of tree treatment is provided in ***Table 4.1***.

Annex C shows the tree assessment for each tree individually in schedule format. ***Annex E*** shows the tree treatment on each individual tree. ***Annex G*** shows the recipient locations for transplanted trees while ***Annex H*** shows photo records of "retain" and "transplant" trees. The summary of the tree treatments are described below.

Table 4.1 Summary of Tree Treatment (1)

Trees felled or to be felled	Trees transplanted	Trees retained or to be retained	Total Trees
2,342	**23**	**49**	**2,414**

Note (1): Tree numbers are based on November 2022 tree records.

As mentioned in the Initial Revised L&V Plan, tree treatment numbers were subject to adjustment due to changes in baseline data (e.g. from typhoons, etc.) and as more detailed design for Project buildings and infrastructure became available. For this Final L&V Plan, the tree treatment numbers are updated with revised information shown in ***Table 4.1.***

The details of the individual trees are marked in the tree assessment schedule in ***Annex C***.

Further details of tree treatment are provided below.

Trees to be Retained

49 trees were assessed as not being affected by the 3RS works and are being retained. Measures were implemented to protect the existing retained trees on site, including but not limited to the following:

1. The Contractor shall ensure, for the duration of the works that:

    - No unnecessary intrusion into existing trees to be retained / areas of woodland or shrubland is made;

    - All access routes to construction areas which need to pass through areas of existing trees to be retained / woodland or shrubland shall be approved by the Engineer;

    - The limits of site clearance are to be agreed by the Engineer on site before site clearance commences. All trees to be cleared shall be marked by the Contractor and approved by the Engineer before felling;

    - 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 within the area of a tree's crown diameter;

- No workshop, canteens, or similar shall be installed beneath trees, nor shall equipment maintenance etc. be carried out under trees; and

- No trees shall be used as anchors for ropes or chains used in guying, pulling and the like.

2. The Contractor shall exercise the greatest care during the progress of the work to avoid damage to any tree which is not required to be cleared.

   - As soon as the site or any part thereof becomes available the Contractor shall erect Temporary Protective Fencing around each such tree or group of trees, preferably to protect the whole area within the spread of the tree's crown, but no closer than 2m from the trunk of any such tree. A generic tree protection plan is provided in ***Annex D*** for reference. In case there is site limitation to provide the standard tree protection zone, the contractor should develop a contract-specific tree protection plan comprising of the detail proposal of tree protection zone and fencing. The plan should be agreed with the Engineer.

   - The Contractor shall inform the Engineer if works are to be carried out within such fenced areas and, save with the express permission of the Engineer or on his order, all such work shall be executed using only hand-held tools.

3. The Contractor shall maintain the Temporary Protective Fencing in good repair and subsequently remove it.

   - Removal shall be subject to the permission of the Engineer which shall not normally be given earlier than the substantial completion of an adjacent part of the Works other than Landscape Soft works.

   - The Contractor may seek permission to remove the fencing temporarily if its removal is necessary for the satisfactory execution of the Works. The Contractor shall reinstate the temporary protective fencing as soon as possible.

4. Temporary Protective Fencing shall be provided, and shall ideally be constructed of strong, impenetrable material such as steel sheet or wooden board.

   - In certain circumstances where space for tree protection is a particular problem, protection of the tree trunk with planks may be acceptable. In these cases, the ground within the root zone should be protected from compaction with mats and gravel or boards/tracks for vehicles. (It should be noted that these treatments should only be used temporarily so that anaerobic soil conditions do not build up in the root zone).

5. Unless adequate proof is submitted by the Contractor to demonstrate that death or damage of existing vegetation was caused by circumstances beyond his control,

replacement of dead or damaged plants of similar sizes of the same species is required as instructed by the Engineer.

- When instructed by the Engineer, slow release fertilizer shall be applied to existing mature trees in a feeding band 1.5m either side of the branch spread as and when required.

Trees for Transplantation

36 trees affected by the 3RS works were proposed to be transplanted in August 2020 as mentioned in the initial L&V Plan. There were 26 trees transplanted, however one of them was removed after transplantation due to damage by typhoon and 2 trees were removed after transplantation due to the construction of a temporary emergency hospital for the COVID-19 pandemic. In addition, 10 trees were adversely affected and could not be transplanted due to their low survival rate as determined by the tree specialist. Therefore, the total number of trees eventually transplanted was 23.

Selection for transplanting has taken account of the above criteria and only trees with high conservation value or medium to high amenity value (including rare and precious species and with high suitability for transplanting) have been considered. Most of the 3RS Project surveyed trees found to be in conflict with the proposed works had low amenity value, poor structure/form for transplanting, low anticipated survival chance after transplanting, were too mature or oversized or had poor health, hence were not found to be suitable for transplanting. The locations of the trees identified as suitable to be transplanted are shown in drawing no. ***TRD/3103/AA-XX-G/DR/000001*** and ***TRD/3103/AA-XX-G/DR/100001-100010*** of ***Annex E***. The recipient locations of transplanted trees to date and the tentative identified recipient locations for the remaining trees to be transplanted are shown in ***Annex G***. A typical tree transplantation specification is also provided in ***Annex F*** for reference. The species to be transplanted range in size from 4-14 m in height and further details can be found in ***Annex C***. Tree transplanting is undertaken before or during the early stages of construction at respective areas.

Trees for Removal/ Felling

2,342 trees were assessed as needing to be removed/ felled. In accordance with the hierarchy of tree treatment presented above, trees in conflict with the proposed works, with low conservation or low amenity value (i.e. common species and/or of poor health/ structure/ form) and with low suitability for transplanting were recommended to be felled (shown in Drawing no. ***TRD/3103/AA-XX/G/DR-000001*** and ***TRD/3103/AA-XX/G/DR/100001-100010*** of ***Annex E)***. Further details of species to be felled are listed in ***Annex C*** showing the trees range in size from 2-15 m in height. Tree removal is undertaken before or during the early stages of construction at respective areas.

It should be noted that no protected/ rare/ endemic/ old and valuable tree species (including trees for transplantation and removal/ felling) were affected by 3RS works, with reference to the IUCN Red Data Books, international conventions for conservations of wildlife, as well as relevant local legislation and other references (i.e.

Cap. 96 Forests and Countryside Ordinance; Cap. 586 Protection of Endangered Species of Animals and Plants Ordinance; Register of Old and Valuable Tree; Rare and Precious Plants of Hong Kong; China Plant Red Data Book). One individual of rare tree species (*Gleditsia australis*) was recorded (Xing *et al*., 2000)[1], but this tree species is not protected under local or regional legislation. Furthermore, the location of this tree was acquired by the government for construction of a temporary emergency hospital to handle the COVID-19 pandemic. It is not located within 3RS works areas and therefore not affected by 3RS construction works.

Tree Compensation

Taking relevant technical circulars into account, e.g. *DEVB TC (W) No. 4/2020 Tree Preservation,* a compensatory tree planting ratio of 1:1 in terms of quantity is targeted for the trees that require felling to make way for the 3RS project. However, according to Appendix C of *DEVB TC (W) No. 4/2020*: "As far as practicable, implementation of compensatory tree planting should be of a ratio not less than 1:1 in terms of number, i.e. the number of compensatory trees onsite and offsite should not be lower than that of the number of trees removed including dead trees, but excluding trees of undesirable species.". As *Leucaena Leucocephala* is classed as an undesirable species, it has been excluded from the tree compensation target.

It is noted that 136 of the tree species *Leucaena leucocephala* were assessed as needing to be felled. As this undesirable species has been excluded, the target number of compensatory trees was adjusted to 2,206 from 2,342. 2,262 compensatory trees are proposed to be compensated outside the 3RS project works sites at HKIA, including scattered plots of available land on the Airport Island (refer to ***Annex G*** for plot locations) while 38 compensatory trees are proposed to be compensated at the Airport North Interchange north of the T2 Expansion (Drawing no. ***CP_8*** of ***Annex G***).

In order to enhance the planting arrangements of the compensatory trees, the combined land area of the scattered plots provisionally allocated for compensatory tree planting is around 2.5 times the size of the combined land areas from which trees are being lost due to 3RS Project works on existing airport land. This is due to the fact that most of the trees proposed to be felled were planted much more densely than the spacing requirements now laid down in prevailing guidelines. As such, the target compensatory tree numbers are based on a like-to-like approach, whereby a range of tree spacing intervals (i.e. 3 to 5 metres) are adopted depending on the tree planting densities previously observed in specific areas.

For the landscape and visual mitigation arrangements at Sha Chau, as indicated on Drawing No. MCL/P132/EIA/15-028.6 of the approved EIA report, it should be noted that EP commitments at Sha Chau focussed on minimizing the footprint of the daylighting / pipeline alignment works, with the aim of avoiding impacts to the nearby egretry. As such, no trees were permitted to be felled and transplanted (CM9) in conjunction with the Sha Chau works.

[1] Xing, F.W., Ng, S.C., and Chau, L.K.C. (2000). Gymnosperms and angiosperms of Hong Kong. *Memoirs of the Hong Kong Natural History Society* **23**: 21-136.

Given the island's undisturbed nature, its thriving egretry, the lack of any available areas for additional tree planting (OM6) and major access difficulties, compensatory tree planting (OM7) on Sha Chau was not pursued. Therefore, the considered mitigation measures (i.e. CM9, OM6 and OM7) indicated on approved EIA report for Sha Chau were not applied (refer to ***Figure 3.1.4***).

A summary of the estimated tree compensation numbers in various locations is shown in ***Table 4.2***. The tree planting quantity and planting spacing are subject to actual site constraints e.g. clashes with supporting infrastructure, underground utilities etc. The selection of tree species and planting arrangements are to be developed during the detailed designs of the compensatory planting locations.

Table 4.2 Proposed Tree Compensation Locations & Estimated Numbers

Location (Refer to Drawing no. ***CP_1*** to ***CP_8*** of ***Annex G***)	**Proposed Compensatory Trees No.**
Within 3RS works sites *(at Airport North Interchange)*	38
Outside 3RS works sites (HKIA South Cargo Area)	2,262
TOTAL	**2,300**

*Note: Estimated numbers are based on a like-for-like approach, whereby a range of tree spacing intervals (3 to 5m) are adopted depending on the tree densities previously observed in the area. The compensatory tree numbers will be subject to actual site constraints during the construction stage.

It is noted that compensatory planting opportunities are further restricted by the HKIA APSL that controls the species, density and locations of trees and shrubs with due regard for aviation safety concerns relating to bird attraction at an operating aerodrome. ***Table 4.3*** lists APSL tree species planting selections and anticipated planting spacing requirements, noting other species may also be used, subject to meeting APSL requirements.

Table 4.3 Tree Species Planting Selections

Species	**Spacing (mm)**
Bauhinia variegata	4000
Callistemon rigidus	4000
Crateva unilocularis	5000
Delonix regia	5000
Lagerstroemia speciosa	4000
Plumeria rubra	3000
Pruns subgen. Cerasus	4000
Tabebuia chrysantha	4000
Tabebuia rosea	4000
Senna surattensis	3000

4.2 IMPLEMENTATION PROGRAMME, MAINTENANCE AND MANAGEMENT SCHEDULES

The trees identified as suitable for transplanting from 3RS construction sites were moved in accordance with 3RS construction progress in relevant 3RS works areas. The

compensatory trees to be provisioned on 3RS sites will be planted towards the end of the respective works programme for different works areas. Tree compensation in other locations identified across HKIA is expected to take place as the different land areas for compensation become available and in coordination with AAHK land use planning around each area.

AAHK coordinate all required tree management elements, including the phasing and detailed planning for compensatory trees. This work includes the development of appropriate landscaping detail in the various planting locations to meet recognised requirements for tree planting.

The 3RS EM&A Manual specifies that planting works shall be checked during a 12-month establishment period after completion of 3RS construction works, in this case after each batch of transplanting or compensation works is completed. Engineering and construction works progress shall be regularly reviewed on site to identify the earliest practical opportunities for the tree compensation and landscaping works to be undertaken.

Measures undertaken during the construction phase and the 12-month establishment period shall be audited by a landscape architect, as a member of the Environmental Team (ET), on a regular basis to ensure the required standards are achieved and works are successful. Documentation on compliance will be carried out in the EM&A Reports as necessary. Implementation of landscape construction works and subsequent maintenance activity after each batch of transplanting or compensation works during the 12-month establishment period shall also be supervised by a Registered Landscape Architect or Professional Member of the Hong Kong Institute of Landscape Architects. Should non-compliance of the landscape and visual impacts occur, actions in accordance with the Event and Action Plan stated in Section 12.7 of approved EM&A Manual shall be carried out.

After the establishment period, responsibility for the long term management of planting works (including trees) will transfer to AAHK's long-term landscaping contractor. Planting works shall be monitored during the first 10 years after the completion of each batch of transplanting or compensation works. As such, in accordance with the approved EM&A Manual, Table 12.1 stated that long-term monitoring works should be reported on compliance by ET or Maintenance Agency as appropriate.

5 IMPLEMENTATION OF LANDSCAPE AND VISUAL MITIGATION MEASURES

This chapter provides the implementation schedule from the EIAO Process, which outlines the landscape and visual mitigation measures to be implemented, including the implementation agent, location, timing and status. Relevant drawings and figures showing the proposed mitigation measures relating to T2 Expansion, T2C and greenery are further provided in ***Figure 3.2*** to ***Figure 3.4***, ***Figure 3.6***, ***Figure 3.7*** and ***Figure 5.3.***

Table 5.1 below summarises details of the construction phase mitigation measures and the operation phase mitigation measures from the EIAO Process. Progress on the implementation of the operation phase measures will also be updated in regular EM&A reporting in due course.

Table 5.1 Implementation Schedule

EIA Ref. (Why)	EM&A Ref. (Why)	EP Condition	Environmental Protection Measures (What)	Location / Duration of Measures Timing of Completion of Measures (Where / When)	Implementation Agent (Who)	Implementation Stage (When)			Implementation Status (What)	Timeline (When)
						Des	C	O		
Landscape and Visual Impact - Construction Phase										
Table 15.6	12.3	2.18, 3.2	**CM1** - The construction area and contractor's temporary works areas should be minimised to avoid impacts on adjacent landscape.	All works areas for duration of works; Upon handover and completion of works.	Contractor (all relevant 3RS contractors)		✓		Construction and temporary works areas for 3RS works contracts are minimised and are subject to ongoing ET inspections; contractor work sites on reclaimed land are defined in works tender specifications such that impacts on adjacent landscapes are minimised.	3RS works sites on existing airport land are all allocated; phased allocation of construction site areas for works packages on new 3RS land ongoing.
Table 15.6	12.3	2.18, 3.2	**CM2** - Reduction of construction period to practical minimum.	All works areas for duration of works; Upon handover and completion of works.	Contractor (all relevant 3RS contractors)		✓		Construction phasing and coordination of works packages planned to facilitate full commissioning of the 3RS Project by 2024; ongoing monitoring to ensure mitigation achieved.	Implementation is ongoing and is monitored / tracked by ET during construction.
Table 15.6	12.3	2.18, 3.2	**CM3** - Phasing of the construction stage to reduce visual impacts during the construction phase.	All works areas for duration of works; Upon handover and completion of works.	Contractor (all relevant 3RS contractors)		✓		Construction phasing and coordination of works packages intended to ensure visual impacts minimised during construction phase. Ongoing monitoring to ensure mitigation achieved.	Implementation is ongoing and is monitored / tracked by ET during construction.
Table 15.6	12.3	2.18, 3.2	**CM4** - Construction traffic (land and sea) including construction plants, construction vessels and barges should be kept to a practical minimum.	All works areas for duration of works; Upon handover and completion of works.	Contractor (all relevant 3RS contractors)		✓		Stringent management and control of construction works vessels by the dedicated Marine Traffic Control Centre; clear specifications on vehicle emissions standards in contracts and land access to reclamation works area during construction in accordance with dedicated 3RS project access routes and site schedule.	Implementation is ongoing and is monitored / tracked by ET during construction.
Table 15.6	12.3	2.18, 3.2	**CM5** - Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours.	All works areas for duration of works; Upon handover and completion of works - may be disassembled in phases.	Contractor (all relevant 3RS contractors)		✓		Hoardings installed around all key 3RS building work sites. Visually unobtrusive, colour sensitive screens hoardings were adopted for HDD works on Sha Chau.	Implementation is ongoing and is monitored / tracked by ET during construction.
Table 15.6	12.3	2.18, 3.2	**CM6** - Avoidance of excessive height and bulk of site buildings and structures.	New passenger concourse, T2 expansion and other proposed airport related buildings and structures under the project; Upon handover and completion of works.	Design Engineer (P282 / 3131 / 3133 / 3138 / 3142 / 3144)	✓			Site buildings and structures generally limited to 2 to 3 storeys for main 3RS contract office areas; office footprints minimised on existing airport works sites, partly due to limited available space.	Design completed. Site buildings and structures are designed to be functional and in accordance with airport operational settings.
Table 15.6	12.3	2.18, 3.2	**CM7** - Control of night-time lighting by hooding all lights and through minimisation of night working periods.	All works areas for duration of works; Upon handover and completion of works - may be disassembled in phases.	Contractor (all relevant 3RS contractors)		✓		Lighting limitations specified in 3RS contracts, noting stringent requirements already required to ensure nighttime lighting does not impact on airport flight movements.	Implementation is ongoing and is monitored / tracked by ET during construction.
Table 15.6	12.3	2.18, 3.2	**CM8** - All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor	All existing trees to be retained; Upon handover and completion of works.	Contractor (3302, 3503, 3508, 3602, 3801)	✓	✓		Protection measures for trees are provided by contractors in works areas with existing trees in accordance with tree protection specifications in contracts. Contractor method statements are required for tree protection works for AAHK and ET review/ approval prior to commencement of works in areas. Implemented tree protection measures are checked by ET during weekly site inspections. **Status on all retained trees are captured in an overall project tree schedule and**	Implementation is ongoing and is monitored / tracked by ET during construction.

EIA Ref. (Why)	EM&A Ref. (Why)	EP Condition	Environmental Protection Measures (What)	Location / Duration of Measures Timing of Completion of Measures (Where / When)	Implementation Agent (Who)	Implementation Stage (When)			Implementation Status (What)	Timeline (When)
						Des	C	O		
			shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas.						**is checked by the ET during site inspections. A generic tree protection plan is included in the L&V Plan at *Annex D*.**	
Table 15.6	12.3	2.18, 3.2	**CM9** - Trees unavoidably affected by the works shall be transplanted where practical. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, if applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.	All existing trees to be affected by the works; Upon handover and completion of works.	Contractor (3503, 3508 & 3801)	✓	✓		26 trees identified for transplantation in the overall project tree schedule and 3 trees being felled after transplantation; a typical tree transplanting specification has been included in the L&V Plan. **Recipient locations for transplanted trees are indicated in *Annex G*.**	Tree transplantation works are complete in accordance with tree transplanting specification.
Table 15.6	12.3	2.18, 3.2	**CM10** - Land formation works shall be followed with advanced hydroseeding around taxiways and runways as soon as practical.	All affected existing grass areas around runways and verges / Duration of works; Upon handover and completion of works.	Contractor (3303)	✓	✓		Advanced hydroseeding was carried out around taxiways and runways as soon as practicable in turfed locations and this has been checked by ET in regular inspections as necessary.	Land formation works are complete, and hydroseeding was subsequently carried out.
Landscape and Visual Impact - Operation Phase										
Table 15.7	12.3	2.18, 3.2	**OM1** - Sensitive landscape design of reclamation edge by incorporating different angles of gradient and the use of a range of armour rock sizes placed randomly in a riprap approach for an irregular appearance. Planting of native coastal plants shall be incorporated.	New land formation edge; Completion of Design Stage.	Design Engineer (P282 / 3131 / 3133 / 3138 / 3142 / 3144)	✓			The new seawall on the land formation edge incorporates both vertical and sloping seawalls with different rock armour sizes and shapes in a rip-rap arrangement. Multiple eco-enhanced seawall blocks are being installed to increase microhabitats and ecological value of the seawall. Planting of native coastal plants is not permitted in the Airside area in accordance with the HKIA APSL requirements due to aviation safety reasons.	Seawall installation works are complete, with remaining eco-seawall blocks targeted to be completed by Q1 2023. Refer to ***Figure 5.1*** for the overall view of the land formation edge.
Table 15.7	12.3	2.18, 3.2	**OM2** - All above ground structures, including, Vent Shafts, Emergency and Firemen's' Accesses etc. shall be, either fully integrated with the planned buildings, or sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.	All locations of above ground structures; Completion of Design Stage.	Design Engineer (P282 / 3131 / 3133 / 3138 / 3142 / 3144)	✓			The two new major passenger buildings have been designed to suit their respective sites whilst maintaining synergy of architectural approach. The new Terminal 2 development has been designed to provide an architectural response to the existing adjacent airport buildings such as Terminal 1 and the Ground Transportation Centre. There are access road systems at ground level providing entrances and exits from the covered coach station, carparks, HKIA Tower, and HKIA Commercial Building. The building external facades have a hierarchy of finish and colour. At ground level, darker tone grey provides a heavier visual base with lighter tone metallic silver cladding and louvres then applied to the upper podium floors. The Check-in Hall is enclosed by full height glazing allowing natural light into the public areas and views out in all directions. The main roof has a gently undulating geometry echoing the directionality of Terminal 1 and the	Design Completed. Refer to ***Figure 5.2*** to show the overall view of the above ground structures. For T2, T2C and ancillary buildings individual design detail, please refer to ***Figure 3.2, Figure 3.3*** to ***3.4*** and ***Figure 3.5.1*** to ***3.5.8***

EIA Ref. (Why)	EM&A Ref. (Why)	EP Condition	Environmental Protection Measures (What)	Location / Duration of Measures Timing of Completion of Measures (Where / When)	Implementation Agent (Who)	Implementation Stage (When)			Implementation Status (What)	Timeline (When)
						Des	C	O		
									baffled ceilings respond to this geometry – gently rising and falling to emphasis the scale of the space. The roof edges allow the baffles to continue externally providing a visually seamless transition from interior to exterior, whilst providing solar shading to the facades. At the West elevation the roof dramatically over sails the vehicle drop off, providing rain protection and a visually exciting experience. The roof edge profiles are coloured in a subtle bronze tone providing a unique identity and quality to the shaped aluminium geometry. The exterior roof surfaces are clad in silver colour tones. The roof is supported by slender, splayed steel columns which provide visually delicate elements within the public areas. These columns appear externally on the North and South elevations providing visual continuity. There are a number of buildings adjacent to the main T2 building. These include new multi-storey car park facilities (Car Park 2a and Car Park 2b), vent and Trolley Recirculation structures. The architectural treatment of these is consistent with and use the same design language as T2. Enclosed footbridges link T2 with adjacent buildings such as 11 SKIES and beyond to AsiaWorld-Expo. These footbridges follow a coherent design with glazed facades and bright, airy internal spaces. The T2C design responds to its fully airside location between the new North Runway and the Centre Runway and it is linked to T2 by Automated People Mover tunnel. The design aims to extend the architectural language theme used in T2, but subtly adapted for the building function and location. Again, the ground level perimeter of the T2C uses darker tone elevations. The Arrivals and Departures floors above are predominantly glazed, allowing dramatic views out across the aprons towards Terminal 1 and Lantau to the South and across the water to the North. Fixed Link Bridge structures use Full height glass and silver cladding. Continuing the architectural language of T2, T2C has a visually strong profiled roof line which reinforces the 'Y' shaped building footprint. The roof is interspersed with linear skylights in the Concourse wings, and a central skylight over the central 'Node' area. Solar panels situate at the East roof expanse and two light wells allow daylight into level 8 of the T2C. Splayed steel roof columns replicate throughout the Central Concourse, with concrete columns externally providing a strong sense of scale. The new Air Traffic Control Tower is sited adjacent to the T2C and is connected via a glazed pedestrian bridge. The tower sits on an accommodation block which is designed to complement the Fixed Link Bridges and Concourse facades. The tower is clad in silver perforated aluminium which subtlety changes in geometry to transition from a square plan form at the base to a circular plan form at high	

EIA Ref. (Why)	EM&A Ref. (Why)	EP Condition	Environmental Protection Measures (What)	Location / Duration of Measures Timing of Completion of Measures (Where / When)	Implementation Agent (Who)	Implementation Stage (When)			Implementation Status (What)	Timeline (When)
						Des	C	O		
									level. Circular accommodation floors and a dedicated antenna floor provide a strong visual identity complimented by careful external lighting features which highlight the circular floors. Vertical light strips in the tower cladding funnel emphasize the verticality of this element of the 103m high structure. A number of other ancillary buildings and facilities are provided as part of the 3RS Project such as Fire Stations, Maintenance buildings, airfield equipment buildings and the like. All these facilities follow a design language which carefully controls colour, facade material texture, window treatment, massing etc. Attention has been paid to the roofs of these facilities with striated patterning providing a coherent identity.	
Table 15.7	12.3	2.18, 3.2	**OM3** - Sensitive design of buildings and structures in terms of scale, height and bulk (visual weight).	All locations of above ground structures; Completion of Design Stage.	Design Engineer (P282 / 3131 / 3133 / 3138 / 3142 / 3144)	✓			The new T2 and T2C are very large facilities, scaled to suit not only the functional processes of Departures and Arrivals, but also to provide iconic architectural responses to their individual locations and surroundings. Careful selection of facade materials and hierarchy ensure that the scale and elevational treatment is appropriate for such large and prominent Airport buildings. The expansive glazed facades allow transparency and allow the roofs with substantial spans to be visually lightweight. The Approach to T2 via car and bus sweeps around the building allowing all elevation to be seen by departing passengers.	Design completed. For T2, T2C and ancillary buildings individual design detail, please refer to ***Figure 3.2*** to ***Figure 3.3***, ***Figure 3.4*** and ***Figure 3.5.1*** to ***3.5.8*** respectively**.**
Table 15.7	12.3	2.18, 3.2	**OM4** - Use appropriate building materials and colours in built structures to create cohesive visual mass.	All locations of above ground structures; Completion of Design Stage.	Design Engineer (P282 / 3131 / 3133 / 3138 / 3142 / 3144)	✓			The architecture uses a variety of colour, reflectivity, texture and modularization to provide an overall appearance in keeping with and complementary to the existing Terminal 1 and Ground Transportation Centre. T2 has integrated the existing Airport Authority office towers, enhancing their facilities and providing new landscaped external communal areas.	Design completed. For T2, T2C and ancillary buildings individual design detail, please refer to ***Figure 3.2*** to ***Figure 3.3***, ***Figure 3.4*** and ***Figure 3.5.1*** to ***3.5.8*** respectively**.**
Table 15.7	12.3	2.18, 3.2	**OM5** - Lighting units to be directional and minimise unnecessary light spill and glare.	All locations within the project site boundary; Completion of Design Stage.	Design Engineer (P282 / 3131 / 3133 / 3138 / 3142 / 3144)	✓			External lighting at T2 is restricted to low level bollard and kerb lighting at external landscaped decks and directional down lighting locally around the building perimeters. Street lighting is provided as per Highways code requirements for carriageway and footpath illumination. External lighting at T2C is provided predominantly by the Apron High Mast lighting systems which provide aircraft stand lighting as well as to the working area at the ground levels around the Concourse. External canopies use down lighting particularly where passenger enter and leave the building. Interior lighting is by ceiling downlights and controllable for dimming and by light sensing to minimize external glare and light spill.	Completion date will be targeted at the end of 2024. Refer to ***Figure 3.4*** to demonstrate the night time condition with the lighting design.
Table 15.7	12.3	2.18, 3.2	**OM6** - Greening measures, including vertical greening, green roofs, road verge planting and peripheral screen planting shall be implemented.	All locations within the project site boundary where greening measures can be implemented as far as possible; Ongoing duration.	Contractor (3302, 3501, 3503, 3508, 3601, 3602, 3603, 3801, 3802, 3804)	✓	✓		There are four external landscaped roof decks (two at the North side, two at the South side) which are visible from the Check-in Hall and the Arrivals Baggage Reclaim Hall of T2. The deck can be accessed by the public from the Check-in Hall and external seating and low level lighting is provided. Area of external decks with planting = 9161 square metres. There is also planting along the full length of the T2 departures kerb road. Planted area = 440 square metres. A substantial landscaped outside courtyard is also proposed to be located within the confines of the T2C.	Completion date will be targeted at the end of 2024. Refer to ***Figure 3.2***, ***Figure 3.3*** for greening measures around T2. Refer to ***Figure 3.6*** for green roofs at typical ancillary building (e.g. fire station). Refer to ***Figure 5.3*** for greening measures within T2C.

EIA Ref. (Why)	EM&A Ref. (Why)	EP Condition	Environmental Protection Measures (What)	Location / Duration of Measures Timing of Completion of Measures (Where / When)	Implementation Agent (Who)	Implementation Stage (When)			Implementation Status (What)	Timeline (When)
						Des	C	O		
Table 15.7	12.3	2.18, 3.2	**OM7** - Compensatory Tree Planting for all felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under the relevant technical circulars.	All trees effected by the works; Upon handover and completion of works.	Contractor (to be implemented by future landscape contractors)	✓	✓	✓	The overall project tree schedule (i.e. ***Annex C*** of the Final L&V Plan) summarises the trees to be felled due to the 3RS Project. In accordance with relevant Government technical circulars, a compensatory tree planting ratio of 1:1, as far as practical, is targeted for all trees felled; compensatory trees are proposed to be planted in the South Cargo Area of the existing island and at the Airport North Interchange (north of the T2 Expansion). It is noted that some areas allocated for compensatory tree planting will only be available after end 2024. Reference will be made to the DevB TC(W) No. 6/2015 on Maintenance of Vegetation and Hard Landscape Features which defines the management and maintenance responsibilities for natural vegetation and landscape works, including both soft works and hard works, and authorities for tree preservation and felling.	Works are in progress. Refer to ***Annex G*** for compensatory tree planting plans.
Table 15.7	12.3	2.18, 3.2	**OM8** - Streetscape (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.	All locations of streetscape treatment works; Completion of Design Stage.	Design Engineer (P282 / 3131 / 3133 / 3138 / 3142 / 3144)	✓			External areas around T2 have been designed to provide links between facilities at ground level, whilst enabling vehicular traffic, bus and coach station access, public car parking access and improved access to the two office towers. Extensive soft landscaping is being provided to provide a pleasant environment and visual approach to and around the new and reconfigured buildings. The Departures drop-off kerb forms the iconic entrance to the expanded T2. The roof cantilevers out over the pavement and vehicle lanes, providing passengers with sun and rain protection as they arrive at the terminal by bus, taxi or car. The individual entrances are clearly signed using illuminated numerals and also illuminated 'Portals' through which passengers enter the building from the kerb-side. The external roof overhangs have white baffle ceilings which seamlessly transition to being internal beyond the full-height glass facade. The passenger entrances form strong architectural and wayfinding features, with the vaulted ceilings giving orientation and dramatic architectural response. The pavement area have been carefully planned to provide intuitive pathways from kerb to Portal whilst accommodating baggage trolley staging, signage and associated amenities. T2C is an exclusively airside facility without publicly accessible areas around the building perimeter. However, views across the Apron areas and taxiways are expansive, with full height glass facades on all elevations. Views to the sea to the North, and views across the Centre Runway, T1, Sky Bridge and Lantau beyond are maximized. Fixed Link Bridges have been designed to complement the main building facades and also allow views to the aircraft as passengers board and exit the aircraft. The iconic new Air Traffic Control Tower with its circular form and profiled silver cladding is visible from the departures lounges. Extensive external open landscaping is to be provided in the departures level external courtyard, providing external seating, raised walkways, water features and interactive elements. Airfield Ancillary buildings located around T2C use colour tones which correspond to the Main Building and Fixed Link Bridges giving a coherent design approach to all facilities.	Completion date will be targeted at the end of 2024. Refer to ***Figure 5.4*** perspective to demonstrate the detail design.

EIA Ref. (Why)	EM&A Ref. (Why)	EP Condition	Environmental Protection Measures (What)	Location / Duration of Measures Timing of Completion of Measures (Where / When)	Implementation Agent (Who)	Implementation Stage (When)			Implementation Status (What)	Timeline (When)
						Des	C	O		
Table 15.7	12.3	2.18, 3.2	**OM9** - All streetscape areas and hard and soft landscape areas disturbed during construction shall be reinstated to equal or better quality (due to implementation of screen planting, road verge planting etc.), to the satisfaction of the relevant Government departments.	All locations of streetscape treatment works; Upon handover and completion of works.	Contractor (to be implemented by future landscape contractors)		✓		As per contract specifications and in accordance with relevant Government requirements, reinstatement of streetscape and landscape areas that were disturbed during construction stage are being carried out progressively upon completion of works in the respective sites. Landscape design has generally been developed in line with the overall airport landscape theme. The streetscape and landscape areas will be checked by ET during regular inspections as necessary.	Completion date will be targeted at the end of 2024. Refer to ***Figure 5.4*** perspective to demonstrate the detail design.
Table 15.7	12.3	2.18, 3.2	**OM10** - Aesthetic improvement planting of viaduct structure through greening of structure to mitigate visual impact of viaduct form.	All locations of viaduct structures; Ongoing duration.	Design Engineer (P282 / 3131 / 3133 / 3138 / 3142 / 3144)	✓	✓		Where practicable, soft landscaping will be implemented within vicinity of the viaduct structures to improve the aesthetics of the viaduct form. Since majority of the viaduct structures are constantly under shade, it is understood from other project experience, that climbers would not grow well. As such, the aesthetic improvement planting of viaduct structure will be provided within vicinity of the structure instead.	Completion date will be targeted at the end of 2024. Implementation of soft landscaping within vicinity of the viaduct structures will be carried out after end 2024 following construction completion. Refer to ***Figure 3.7***, viaduct perspective, to show the mitigation measure of the structures.
Table 15.7	12.3	2.18, 3.2	**OM11** - Sensitive design of footbridges, noise barriers and enclosures with greening (screen planting/ climbers/ planters) and chromatic measures.	All locations of viaduct structures; Ongoing duration.	Design Engineer (P282 / 3131 / 3133 / 3138 / 3142 / 3144)	✓			There are a number of enclosed foot bridges which will link the new T2 and adjacent car park buildings with other facilities. The most prominent is that which connects the new 11 SKIES development (FB5) and traverses several elevated carriageways. All bridges use similar architectural devices to provide generous internal height and glass facades on portal frames. External maintenance walkways follow a consistent design, providing a strong linear element and base to the glass above. Stair cores are treated with vertical bronze coloured cladding which provides contrast and fidelity. FB5 also uses a complex roof geometry of glazing to emphasize the gradually increasing height of the bridge as it approaches 11 SKIES. This provides a dramatic interior space as well as external appearance.	Completion date will be targeted at the end of 2024. Refer to ***Figure 5.5*** for the footbridge design of T2.

FIGURES

Figure 1.1 3RS Project Site Boundary

Figure 2.1 Zoning of the Airport Island for Existing Platform and Future 3RS (indicative only)

Figure 2.2 Site Coverage of Greenery – Plan (1)

Figure 2.3 Site Coverage of Greenery – Plan (2) & Greening Calculation

Figure 2.4 Different types of Greening with 3RS Key Project Components Area

Figure 3.1 Landscape Master Plan

Figure 3.1.1 Landscape Master Plan – Zoom in Plan 1

Figure 3.1.2 Landscape Master Plan – Zoom in Plan 2

Figure 3.1.3 Landscape Master Plan – Zoom in Plan 3

Figure 3.1.4 Landscape Master Plan – Zoom in Plan 4

Figure 3.2 Recommended Landscape and Visual Mitigation Measures for Terminal 2 Building

Figure 3.3 Recommended Landscape and Visual Mitigation Measures for Terminal 2 Building (2)

Figure 3.4 Recommended Landscape and Visual Mitigation Measures for Terminal 2 Concourse

Figure 3.5.1 Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings

Figure 3.5.2 Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings

Figure 3.5.3 Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings

Figure 3.5.4 Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings

Figure 3.5.5 Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings

Figure 3.5.6 Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings

Figure 3.5.7 Recommended Landscape and Visual Mitigation Measures for Ancillary Buildings

Figure 3.5.8 Recommended Landscape and Visual Mitigation Measures for Typical Ancillary Buildings

Figure 3.6 Typical Green Roof on Ancillary Buildings

Figure 3.7 Recommended Landscape and Visual Mitigation Measures for Viaduct Works

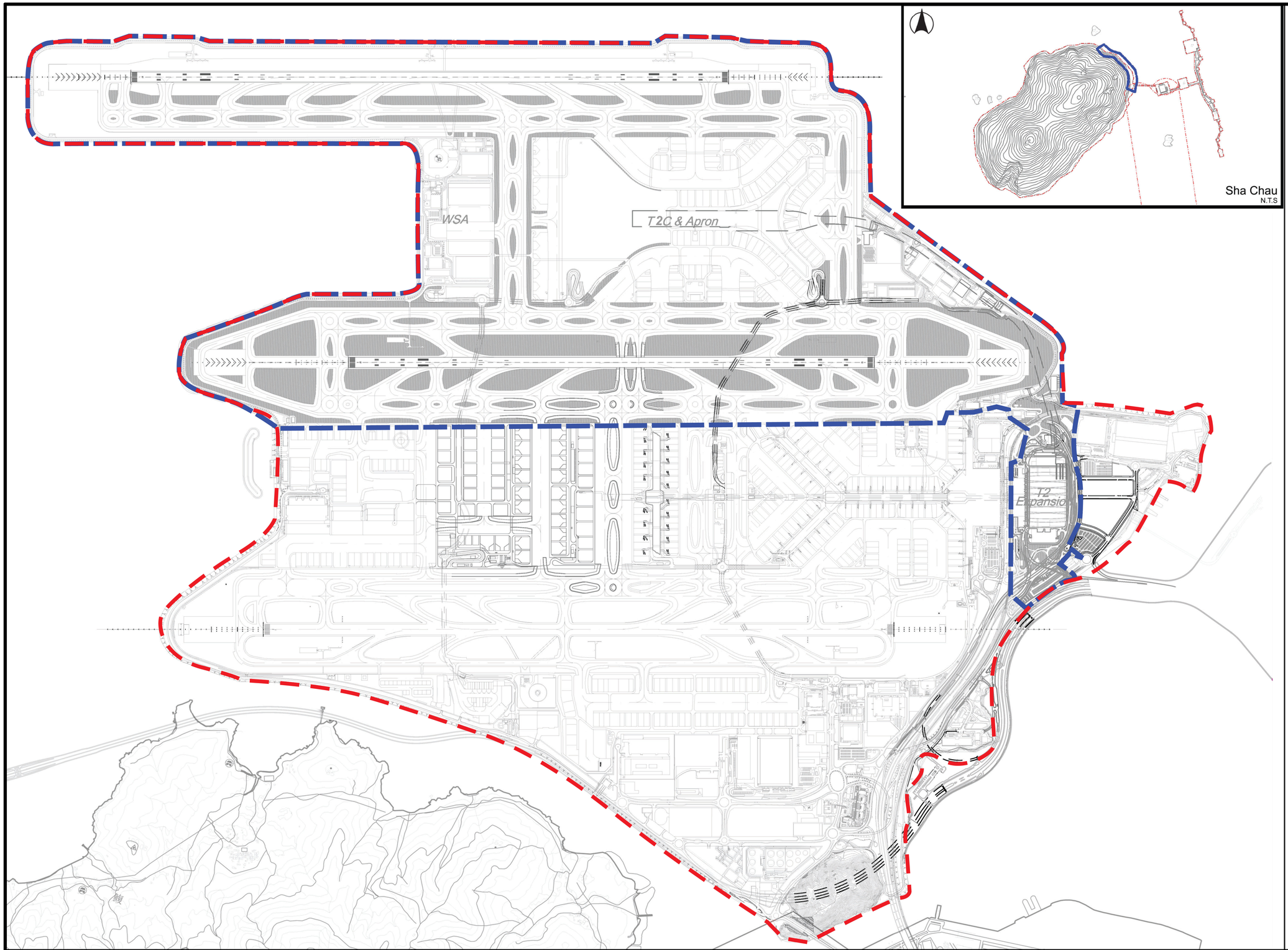
Figure 5.1 Recommended Landscape and Visual Mitigation Measures for Land Formation Edge

Figure 5.2 Overall View of Recommended Landscape and Visual Mitigation Measures for all above ground structures

Figure 5.3 Recommended Landscape and Visual Mitigation Measures for Greening Measures

Figure 5.4 Recommended Landscape and Visual Mitigation Measures for Streetscape

Figure 5.5 Recommended Landscape and Visual Mitigation Measures for Footbridge



SCALE 1:11000@A1
1:22000@A3

LEGEND

Coverage of 3RS Key Project Components

Boundary of Landscape and Visual Mitigation Arrangement Plan as shown in the Approved EIA Report (Register No. AEIAR-185/2014)

Figure 1.1

Hong Kong International Airport
3RS Environmental Permit Consultancy Services - Landscape and Visual Plan
3RS Project Site

File: P:\Projects\0313181 AAHK 3RS EPC\03 Deliverables\12 LV Plan\06 AAHK info updates\20181019-2x_Tree CAD & soft copy files\0313181_LV_Plan_Compensatory Area.dwg
Date: 23 JULY 2020

Environmental Resources Management

ERM

Ref AAHK Approved Plant Species List Version 6.0.1 (Sep 2022)

Figure **2.1**

File:
Date: 29 November 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM -
LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
ZONING OF THE AIRPORT ISLAND (INDICATIVE ONLY)

Environmental Resources Management

ERM

SCALE 1:10000@A1
1:20000@A3

A1 Greening Area

Coverage of 3RS Key Project Components

WSA

T2C & Apron

T2 Expansion

FIGURE 2.3

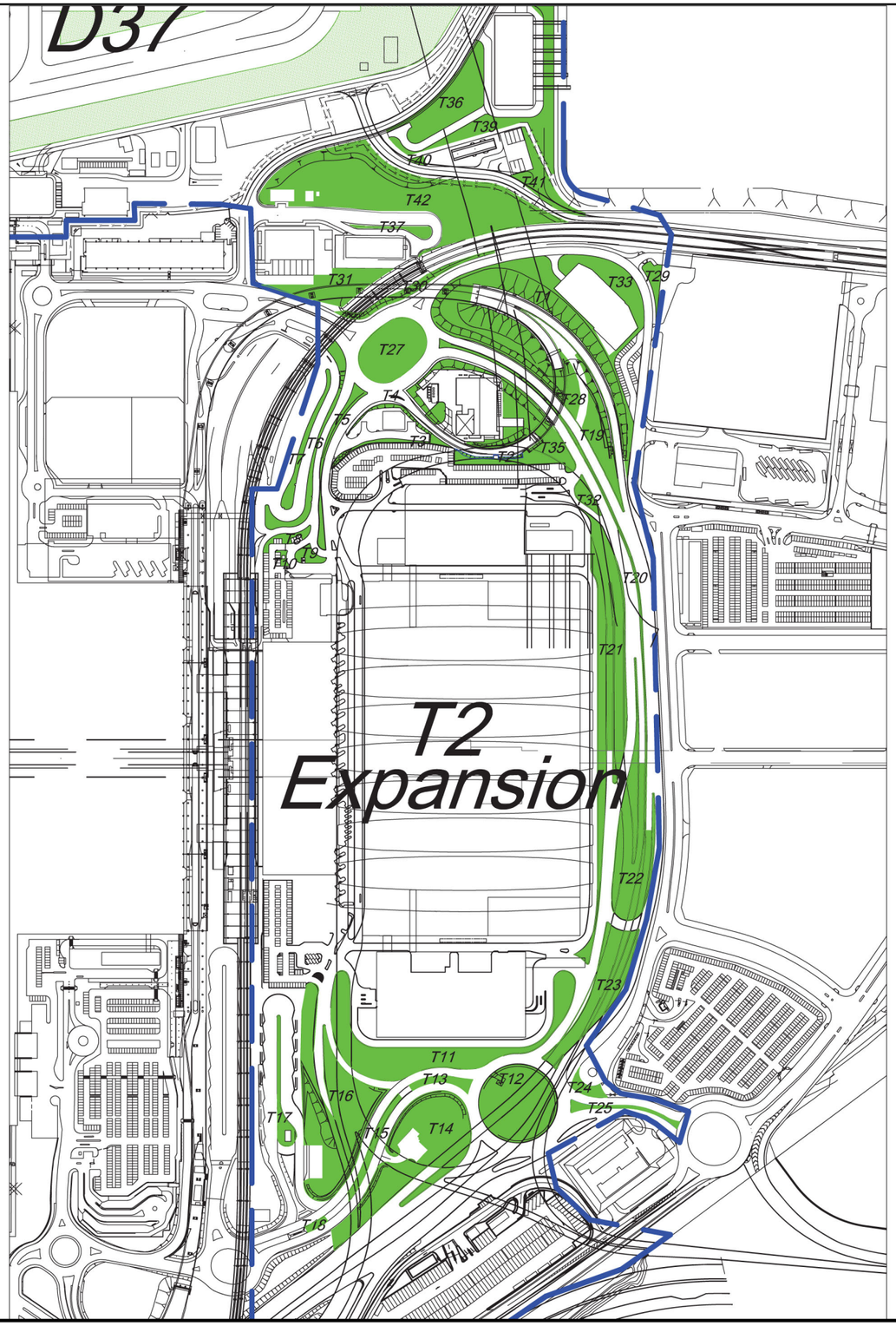
Figure **2.2**

File:
Date: 23 JULY 2020

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM -
LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
SITE COVERAGE OF GREENERY - PLAN (1)

Environmental Resources Management

ERM



Greening Area Code No.	Size of Area (m^2)
A1	544630.40
A2	3553.34
A3	9811.77
A4	14003.94
A5	14765.81
A6	12259.14
A7	31525.78
A8	318.39
A9	3602.26
A10	6582.56
A11	9432.63
A12	9432.63
A13	25707.70
A14	12357.40
A15	12408.55
A16	16260.45
A17	15065.37
A18	7811.51
A20	2404.46
A21	5362.63
A22	13482.57
A23	14203.16
A24	4919.11
B1	16119.00
B2	9787.95
B3	4507.02
B4	4507.02
B5	4507.02
B6	4507.02
B7	30881.00
B8	10681.31
B9	10644.06
B10	4209.27
B11	9918.53
B12	3249.17
B13	10406.03
B14	5770.99
B15	8043.93
B16	5547.11
B17	3485.78
B18	2546.00
B19	2113.00
B20	14644.00
B21	9929.00
B22	4012.00
B23	3143.00
B24	11223.00
B25	3336.00
C1	94245.00
C2	58946.00
C3	4080.00
C4	4672.05
C5	6681.72
C6	7856.31
C7	2001.00
C8	2404.46
C9	4387.14
C10	2518.12
C11	339.94
C12	9753.92
C13	6853.49
C14	4635.25
C15	57477.00
C16	1874.79
C17	15838.26
C18	22948.83
C19	110895.00
C20	9442.27
C21	63403.00
D1	43966.00
D2	2305.00
D3	2380.00
D4	26503.00
D5	1376.00
D6	5479.00
D7	7740.00
D8	14892.00
D9	388.00
D10	2509.00
D11	5936.00
D12	38201.00
D13	6618.00
D14	5721.00
D15	29980.00
D16	8329.00
D17	6985.00
D18	2218.00
D19	2285.00
D20	25074.00
D21	4888.00
D22	8443.00
D23	38191.00
D24	1945.00
D25	1945.00
D26	10459.00
D27	21271.00
D28	7947.00
D29	11050.00
D30	8150.00
D31	6305.00
D32	2290.00
D33	2376.00
D34	1526.00
D35	5197.00
D36	51875.00
D36	4754.00
D37	2222.00
T1	9370.00
T2	557.00
T3	676.00
T4	17.00
T5	752.00
T6	1172.00
T7	714.00
T8	300.00
T9	301.00
T10	98.00
T11	5699.35
T12	4279.00
T13	387.00
T14	6290.00
T15	666.00
T16	6535.00
T17	618.00
T18	136.00
T19	1769.00
T20	1110.00
T21	6696.00
T22	4510.00
T23	3181.00
T24	357.00
T25	392.00
T27	2783.00
T28	939.00
T29	393.00
T30	860.00
T31	1538.00
T32	386.83
T33	1890.00
T35	3619.00
T36	3012.00
T37	475.00
T39	2963.00
T40	85.00
T41	1245.00
T42	10688.00
TOTAL Greening Area (m^2)	1996051.51
Total area of 3RS Key Project Component Area(m^2)	8561513.00
Total precentage of greening (%)	**23.3**

SCALE 1:2500@A1
1:5000@A3

T1 Greening Area at T2 Expansion

Coverage of 3RS Key Project Components

Figure **2.3**

File:
Date: 23 JULY 2020

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM -
LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
SITE COVERAGE OF GREENERY - PLAN (2)

Environmental Resources Management

ERM

P:\Projects\0313181 AAHK 3RS EPC\03 Deliverables\12 LV Plan\06 AAHK info updates\20181019-2x_Tree CAD & soft copy files\0313181_LV_Plan_Compensatory Area.dwg

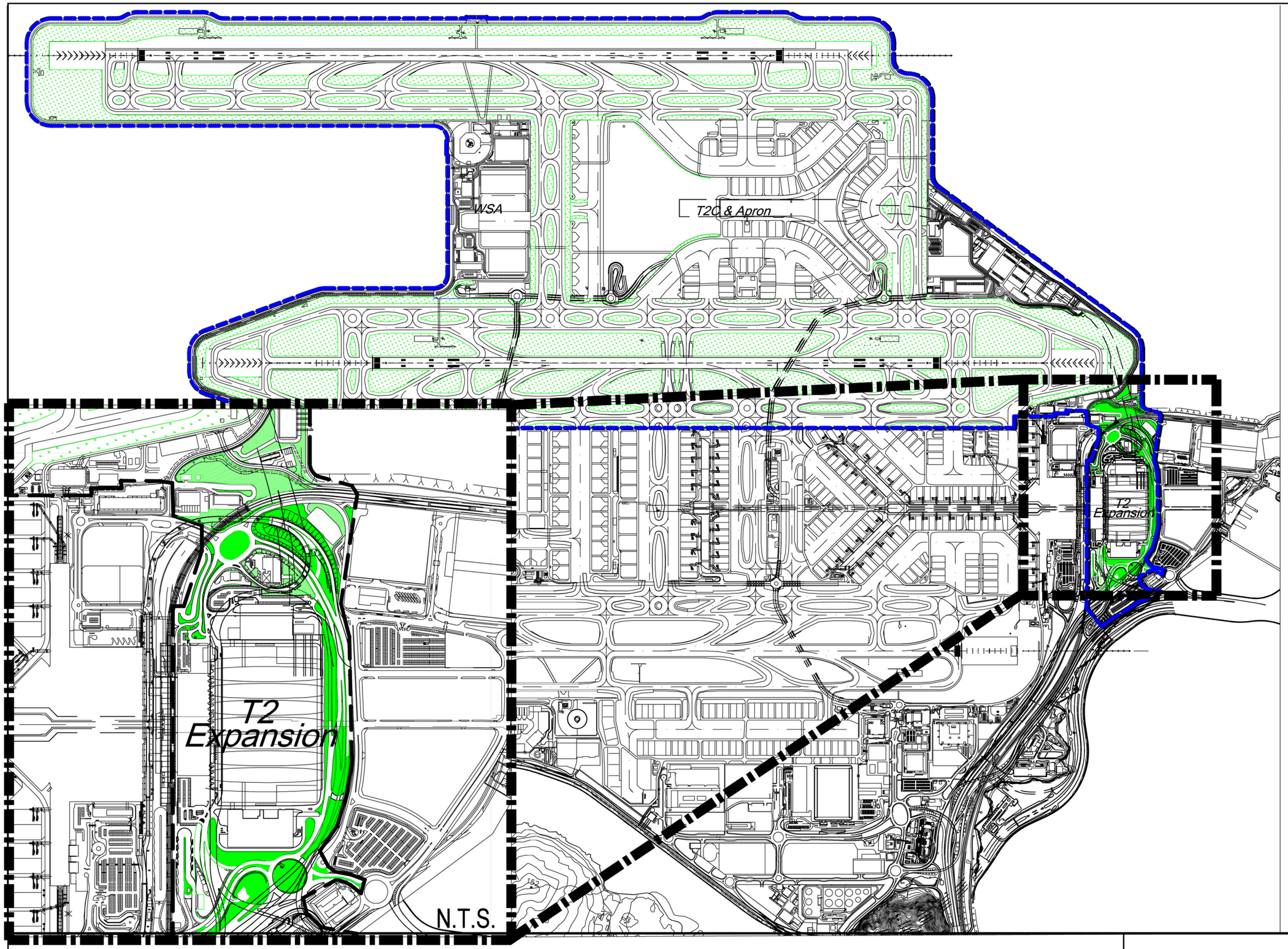


Figure **2.4**

File:

Date: 23 JULY 2020

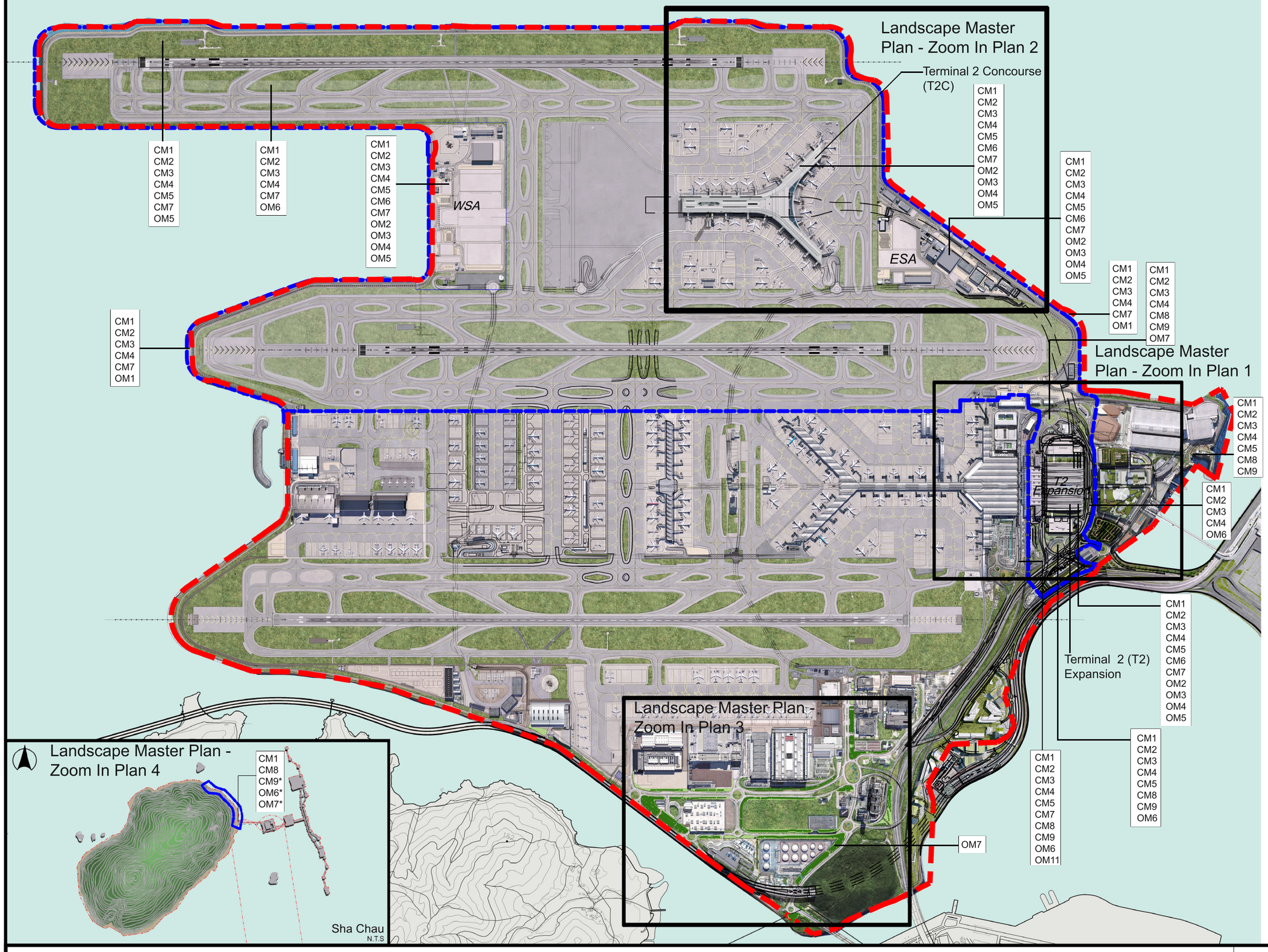
EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM -
LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)

SITE COVERAGE OF GREENERY - PLAN (3)

P:\Projects\0313181 AAHK 3RS EPC\03 Deliverables\12 LV Plan\06 AAHK info updates\20181019-2x_Tree CAD & soft copy files\0313181_LV_Plan_Compensatory Area.dwg

Environmental Resources Management

ERM



Scale 1:11000@A1
1:22000@A3

LEGEND

- Coverage of 3RS Key Project Components
- Boundary of Landscape and Visual Mitigation Arrangement Plan as shown in the Approved EIA Report (Register No. AEIAR-185/2014)
- Airside Turf (at grade)
- Compensatory Trees (at grade)
- Transplanted Trees (at grade)
- Runways
- Ancillary Buildings
- Existing Trees and Greening

CM1 - The construction area and contractor's temporary works areas should be minimised to avoid impacts on adjacent landscape.

CM2 - Reduction of construction period to practical minimum.

CM3 - Phasing of the construction stage to reduce visual impacts during the construction phase.

CM4 - Construction traffic (land and sea) including construction plants, construction vessels and barges should be kept to a practical minimum.

CM5 - Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours.

CM6 - Avoidance of excessive height and bulk of site buildings and structures. minimisation of night working periods.

CM7 - Control of night-time lighting by hooding all lights and through minimisation of night working periods.

CM8 - All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas.

CM9 - Trees unavoidably affected by the works shall be transplanted where practical. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, if applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.

CM10 - Land formation works shall be followed with advanced hydroseeding around taxiways and runways as soon as practical.

OM1 - Sensitive landscape design of reclamation edge by incorporating different angles of gradient and the use of a range of armour rock sizes placed randomly in a riprap approach for an irregular appearance. Planting of native coastal plants shall be incorporated.

OM2 - All above ground structures, including, Vent Shafts, Emergency and Firemen's' Accesses etc. shall be, either fully integrated with the planned buildings, or sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.

OM3 - Sensitive design of buildings and structures in terms of scale, height and bulk (visual weight).

OM4 - Use appropriate building materials and colours in built structures to create cohesive visual mass.

OM5 - Lighting units to be directional and minimise unnecessary light spill and glare.

OM6 - Greening measures, including vertical greening, green roofs, road verge planting and peripheral screen planting shall be implemented.

OM7 - Compensatory Tree Planting for all felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under the relevant technical circulars.

OM8 - Streetscape (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.

OM9 - All streetscape areas and hard and soft landscape areas disturbed during construction shall be reinstated to equal or better quality (due to implementation of screen planting, road verge planting etc.), to the satisfaction of the relevant Government departments.

OM10 - Aesthetic improvement planting of viaduct structure through greening of structure to mitigate visual impact of viaduct form.

OM11 - Sensitive design of footbridges, noise barriers and enclosures with greening (screen planting/ climbers/ planters) and chromatic measures.

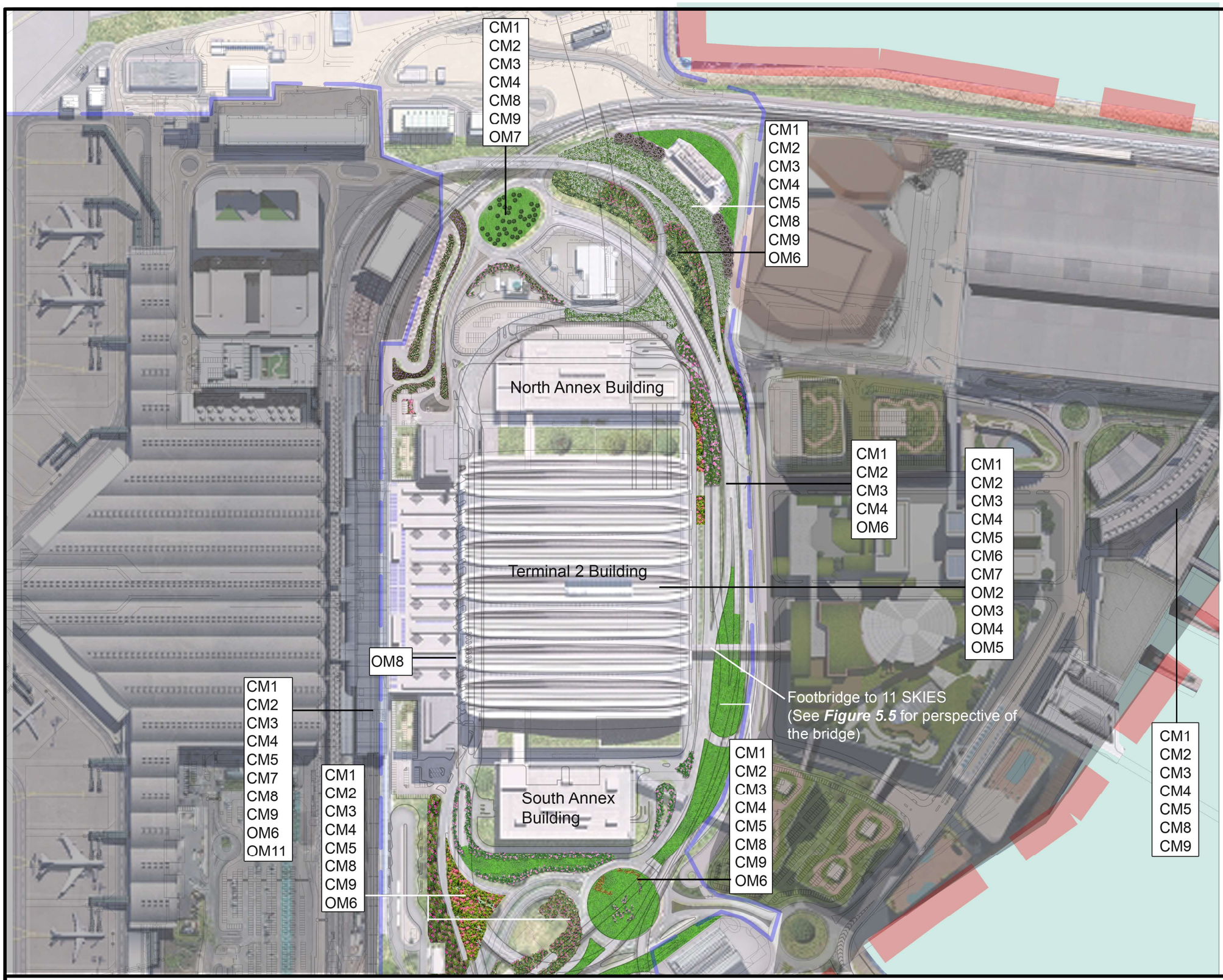
Figure 3.1

Hong Kong International Airport
3RS Environmental Permit Consultancy Services - Landscape and Visual Plan
Landscape Master Plan

File:
Date: 4 NOVEMBER 2022

Environmental Resources Management

ERM



Scale 1:2000@A1
1:4000@A3

LEGEND

- Coverage of 3RS Key Project Components
- Boundary of Landscape and Visual Mitigation Arrangement Plan as shown in the Approved EIA Report (Register No. AEIAR-185/2014)
- Airside Turf (at grade)
- Compensatory Trees (at grade)
- Runways
- Ancillary Buildings
- Existing Trees and Greening
- Shrub Plantings (at grade)
- Amenity Turf Planting (at grade)

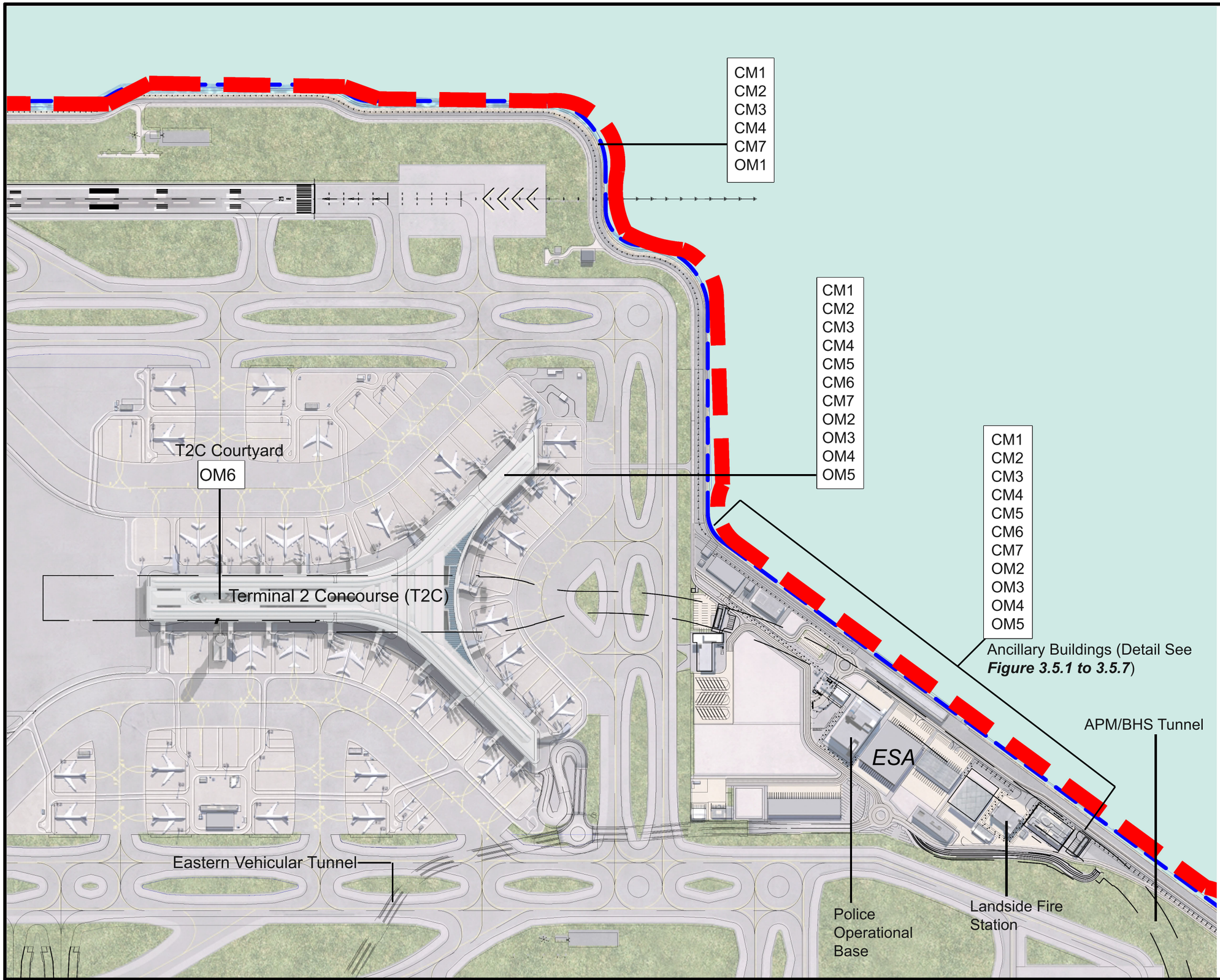
CM1 - The construction area and contractor's temporary works areas should be minimised to avoid impacts on adjacent landscape.
CM2 - Reduction of construction period to practical minimum.
CM3 - Phasing of the construction stage to reduce visual impacts during the construction phase.
CM4 - Construction traffic (land and sea) including construction plants, construction vessels and barges should be kept to a practical minimum.
CM5 - Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours.
CM6 - Avoidance of excessive height and bulk of site buildings and structures. minimisation of night working periods.
CM7 - Control of night-time lighting by hooding all lights and through minimisation of night working periods.
CM8 - All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas.
CM9 - Trees unavoidably affected by the works shall be transplanted where practical. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, if applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.
CM10 - Land formation works shall be followed with advanced hydroseeding around taxiways and runways as soon as practical.
OM1 - Sensitive landscape design of reclamation edge by incorporating different angles of gradient and the use of a range of armour rock sizes placed randomly in a riprap approach for an irregular appearance. Planting of native coastal plants shall be incorporated.
OM2 - All above ground structures, including, Vent Shafts, Emergency and Firemen's' Accesses etc. shall be, either fully integrated with the planned buildings, or sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.
OM3 - Sensitive design of buildings and structures in terms of scale, height and bulk (visual weight).
OM4 - Use appropriate building materials and colours in built structures to create cohesive visual mass.
OM5 - Lighting units to be directional and minimise unnecessary light spill and glare.
OM6 - Greening measures, including vertical greening, green roofs, road verge planting and peripheral screen planting shall be implemented.
OM7 - Compensatory Tree Planting for all felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under the relevant technical circulars.
OM8 - Streetscape (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.
OM9 - All streetscape areas and hard and soft landscape areas disturbed during construction shall be reinstated to equal or better quality (due to implementation of screen planting, road verge planting etc.), to the satisfaction of the relevant Government departments.
OM10 - Aesthetic improvement planting of viaduct structure through greening of structure to mitigate visual impact of viaduct form.
OM11 - Sensitive design of footbridges, noise barriers and enclosures with greening (screen planting/ climbers/ planters) and chromatic measures.

Figure 3.1.1

Hong Kong International Airport
3RS Environmental Permit Consultancy Services - Landscape and Visual Plan
Landscape Master Plan - Zoom in Plan 1

File:
Date: 4 November 2022

Environmental Resources Management
ERM



Scale 1:2000@A1
1:4000@A3

LEGEND

- Coverage of 3RS Key Project Components
- Boundary of Landscape and Visual Mitigation Arrangement Plan as shown in the Approved EIA Report (Register No. AEIAR-185/2014)
- Airside Turf (at grade)
- Compensatory Trees (at grade)
- Transplanted Trees (at grade)
- Runways
- Ancillary Buildings
- Existing Trees and Greening

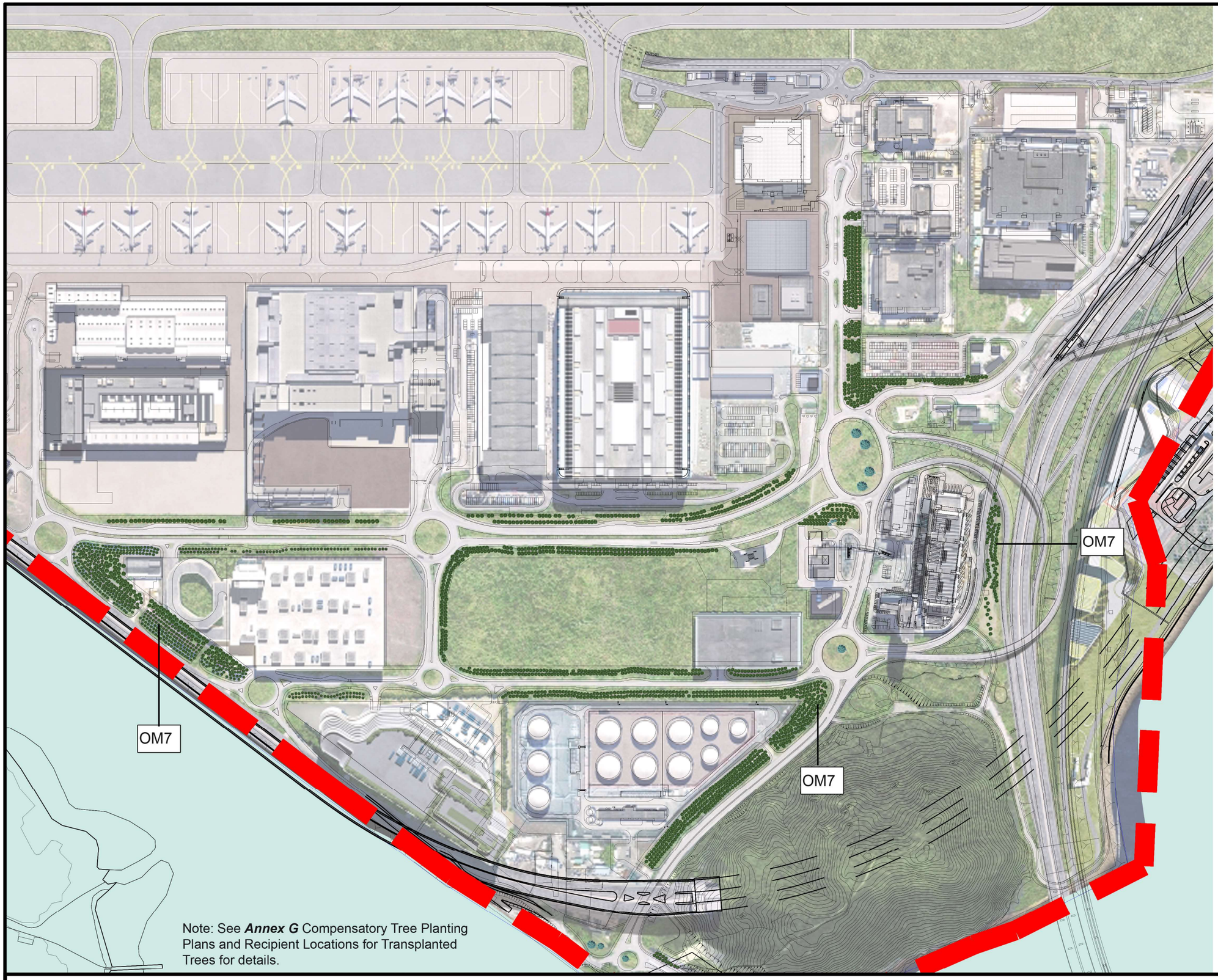
CM1 - The construction area and contractor's temporary works areas should be minimised to avoid impacts on adjacent landscape.
CM2 - Reduction of construction period to practical minimum.
CM3 - Phasing of the construction stage to reduce visual impacts during the construction phase.
CM4 - Construction traffic (land and sea) including construction plants, construction vessels and barges should be kept to a practical minimum.
CM5 - Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours.
CM6 - Avoidance of excessive height and bulk of site buildings and structures. minimisation of night working periods.
CM7 - Control of night-time lighting by hooding all lights and through minimisation of night working periods.
CM8 - All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas.
CM9 - Trees unavoidably affected by the works shall be transplanted where practical. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, if applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.
CM10 - Land formation works shall be followed with advanced hydroseeding around taxiways and runways as soon as practical.
OM1 - Sensitive landscape design of reclamation edge by incorporating different angles of gradient and the use of a range of armour rock sizes placed randomly in a riprap approach for an irregular appearance. Planting of native coastal plants shall be incorporated.
OM2 - All above ground structures, including, Vent Shafts, Emergency and Firemen's' Accesses etc. shall be, either fully integrated with the planned buildings, or sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.
OM3 - Sensitive design of buildings and structures in terms of scale, height and bulk (visual weight).
OM4 - Use appropriate building materials and colours in built structures to create cohesive visual mass.
OM5 - Lighting units to be directional and minimise unnecessary light spill and glare.
OM6 - Greening measures, including vertical greening, green roofs, road verge planting and peripheral screen planting shall be implemented.
OM7 - Compensatory Tree Planting for all felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under the relevant technical circulars.
OM8 - Streetscape (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.
OM9 - All streetscape areas and hard and soft landscape areas disturbed during construction shall be reinstated to equal or better quality (due to implementation of screen planting, road verge planting etc.), to the satisfaction of the relevant Government departments.
OM10 - Aesthetic improvement planting of viaduct structure through greening of structure to mitigate visual impact of viaduct form.
OM11 - Sensitive design of footbridges, noise barriers and enclosures with greening (screen planting/ climbers/ planters) and chromatic measures.

Figure 3.1.2

Hong Kong International Airport
3RS Environmental Permit Consultancy Services - Landscape and Visual Plan
Landscape Master Plan - Zoom in Plan 2

File:
Date: 4 November 2022

Environmental Resources Management
ERM



Scale 1:2000@A1
1:4000@A3

LEGEND

- Coverage of 3RS Key Project Components
- Boundary of Landscape and Visual Mitigation Arrangement Plan as shown in the Approved EIA Report (Register No. AEIAR-185/2014)
- Airside Turf (at grade)
- Compensatory Trees (at grade)
- Transplanted Trees (at grade)
- Runways
- Ancillary Buildings
- Existing Trees and Greening

CM1 - The construction area and contractor's temporary works areas should be minimised to avoid impacts on adjacent landscape.
CM2 - Reduction of construction period to practical minimum.
CM3 - Phasing of the construction stage to reduce visual impacts during the construction phase.
CM4 - Construction traffic (land and sea) including construction plants, construction vessels and barges should be kept to a practical minimum.
CM5 - Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours.
CM6 - Avoidance of excessive height and bulk of site buildings and structures. minimisation of night working periods.
CM7 - Control of night-time lighting by hooding all lights and through minimisation of night working periods.
CM8 - All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas.
CM9 - Trees unavoidably affected by the works shall be transplanted where practical. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, if applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.
CM10 - Land formation works shall be followed with advanced hydroseeding around taxiways and runways as soon as practical.
OM1 - Sensitive landscape design of reclamation edge by incorporating different angles of gradient and the use of a range of armour rock sizes placed randomly in a riprap approach for an irregular appearance. Planting of native coastal plants shall be incorporated.
OM2 - All above ground structures, including, Vent Shafts, Emergency and Firemen's' Accesses etc. shall be, either fully integrated with the planned buildings, or sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.
OM3 - Sensitive design of buildings and structures in terms of scale, height and bulk (visual weight).
OM4 - Use appropriate building materials and colours in built structures to create cohesive visual mass.
OM5 - Lighting units to be directional and minimise unnecessary light spill and glare.
OM6 - Greening measures, including vertical greening, green roofs, road verge planting and peripheral screen planting shall be implemented.
OM7 - Compensatory Tree Planting for all felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under the relevant technical circulars.
OM8 - Streetscape (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.
OM9 - All streetscape areas and hard and soft landscape areas disturbed during construction shall be reinstated to equal or better quality (due to implementation of screen planting, road verge planting etc.), to the satisfaction of the relevant Government departments.
OM10 - Aesthetic improvement planting of viaduct structure through greening of structure to mitigate visual impact of viaduct form.
OM11 - Sensitive design of footbridges, noise barriers and enclosures with greening (screen planting/ climbers/ planters) and chromatic measures.

Figure 3.1.3

Hong Kong International Airport
3RS Environmental Permit Consultancy Services - Landscape and Visual Plan
Landscape Master Plan - Zoom in Plan 3

File:
Date: 4 November 2022

Environmental Resources Management

ERM

*NOTE: Given Sha Chau's undisturbed nature and its thriving egretry population, in order to avoid impacts to the nearby egretry, no trees were permitted to be felled or transplanted (CM9) during the pipeline alignment works on Sha Chau. Also, taking into consideration the major access difficulties on the island and the lack of any available areas for additional greening (OM6), compensatory tree planting (OM7) on Sha Chau was not pursued. In summary, the proposed mitigation measures on the Landscape and Visual Mitigation Arrangement Plan (i.e. CM9, OM6 and OM7) in the approved EIA report were not applied to the Sha Chau area.



Scale 1:1000@A1
1:2000@A3

LEGEND

- Coverage of 3RS Key Project Components
- Boundary of Landscape and Visual Mitigation Arrangement Plan as shown in the Approved EIA Report (Register No. AEIAR-185/2014)
- Pier for 3RS
- Rocky Area
- Vegetation on Existing Slope
- Rocky Shoreline

CM1 - The construction area and contractor's temporary works areas should be minimised to avoid impacts on adjacent landscape.
CM2 - Reduction of construction period to practical minimum.
CM3 - Phasing of the construction stage to reduce visual impacts during the construction phase.
CM4 - Construction traffic (land and sea) including construction plants, construction vessels and barges should be kept to a practical minimum.
CM5 - Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours.
CM6 - Avoidance of excessive height and bulk of site buildings and structures. minimisation of night working periods.
CM7 - Control of night-time lighting by hooding all lights and through minimisation of night working periods.
CM8 - All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas.
CM9 - Trees unavoidably affected by the works shall be transplanted where practical. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, if applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.
CM10 - Land formation works shall be followed with advanced hydroseeding around taxiways and runways as soon as practical.
OM1 - Sensitive landscape design of reclamation edge by incorporating different angles of gradient and the use of a range of armour rock sizes placed randomly in a riprap approach for an irregular appearance. Planting of native coastal plants shall be incorporated.
OM2 - All above ground structures, including, Vent Shafts, Emergency and Firemen's' Accesses etc. shall be, either fully integrated with the planned buildings, or sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.
OM3 - Sensitive design of buildings and structures in terms of scale, height and bulk (visual weight).
OM4 - Use appropriate building materials and colours in built structures to create cohesive visual mass.
OM5 - Lighting units to be directional and minimise unnecessary light spill and glare.
OM6 - Greening measures, including vertical greening, green roofs, road verge planting and peripheral screen planting shall be implemented.
OM7 - Compensatory Tree Planting for all felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under the relevant technical circulars.
OM8 - Streetscape (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.
OM9 - All streetscape areas and hard and soft landscape areas disturbed during construction shall be reinstated to equal or better quality (due to implementation of screen planting, road verge planting etc.), to the satisfaction of the relevant Government departments.
OM10 - Aesthetic improvement planting of viaduct structure through greening of structure to mitigate visual impact of viaduct form.
OM11 - Sensitive design of footbridges, noise barriers and enclosures with greening (screen planting/ climbers/ planters) and chromatic measures.

Figure 3.1.4

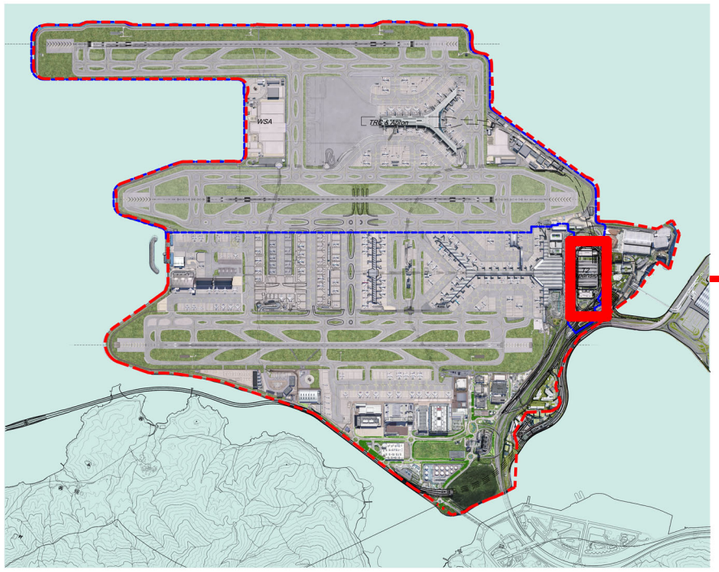
Hong Kong International Airport
3RS Environmental Permit Consultancy Services - Landscape and Visual Plan
Landscape Master Plan - Zoom in Plan 4

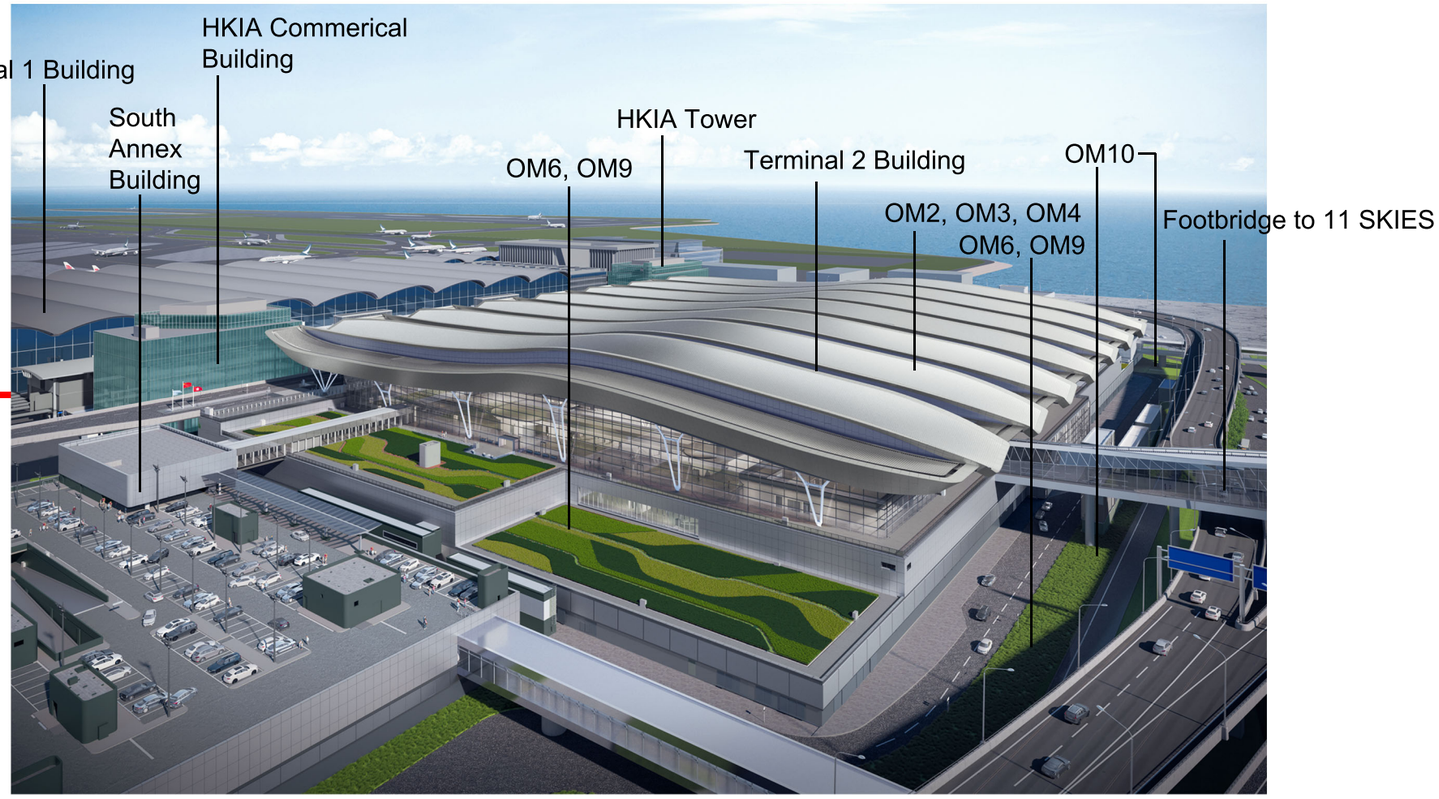
File:
Date: 6 February 2023

Environmental Resources Management

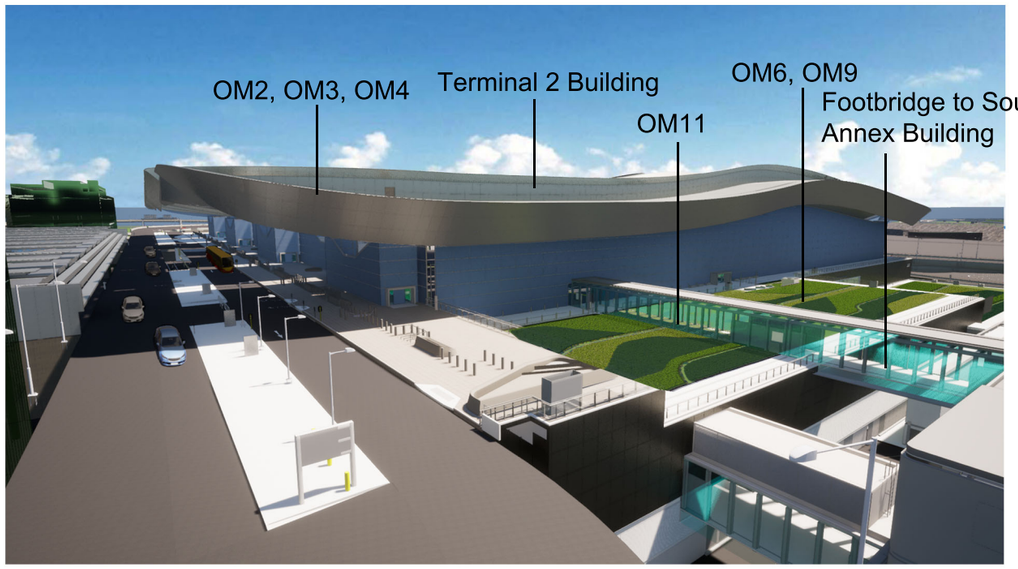
ERM

KEY PLAN





Artist's Impression of Terminal 2 (T2) Building



South side of the Terminal 2 (T2) Building



East side of Terminal 2 (T2) Building

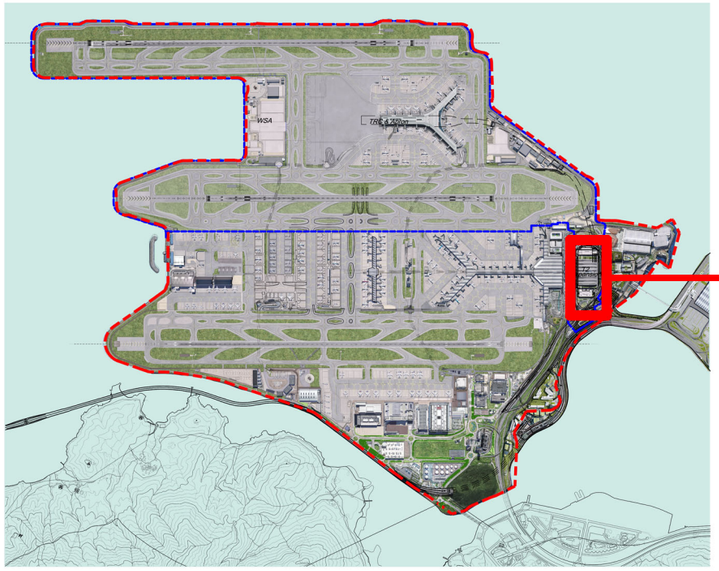
Figure **3.2**

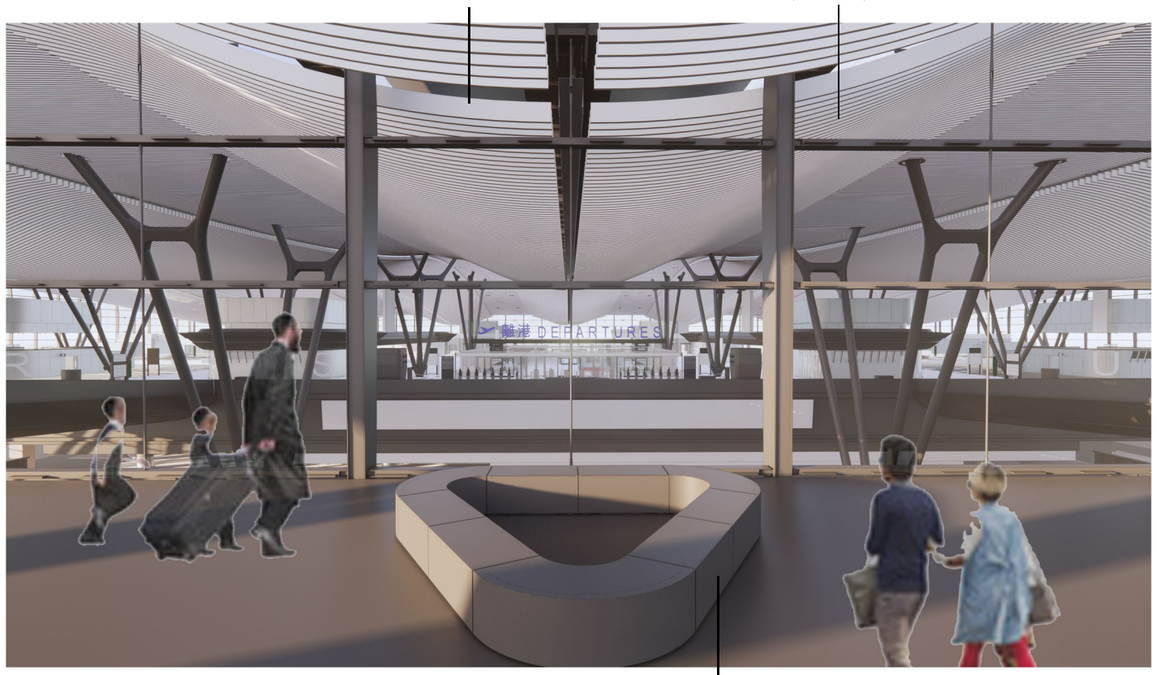
File:
Date: 30 September 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR TERMINAL 2 BUILDING

Environmental Resources Management
ERM

KEY PLAN

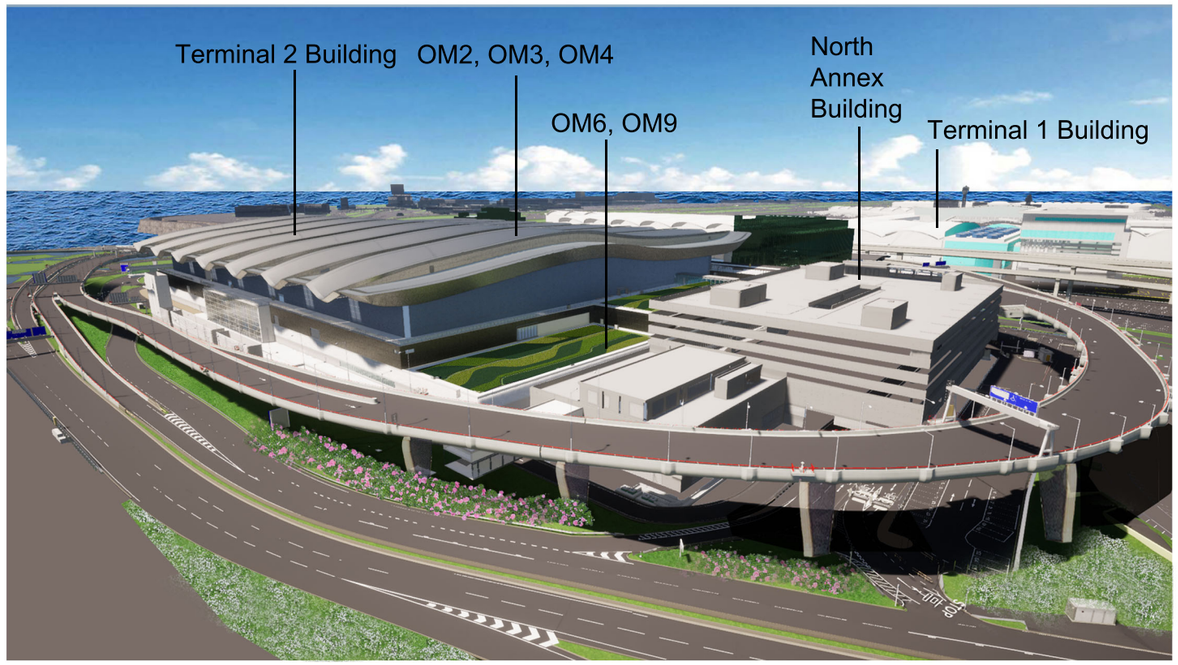




Departures entrance of Terminal 2 (T2) Building



Departures drop-off of Terminal 2 (T2) Building



Artist's Impression of Terminal 2 (T2) Building

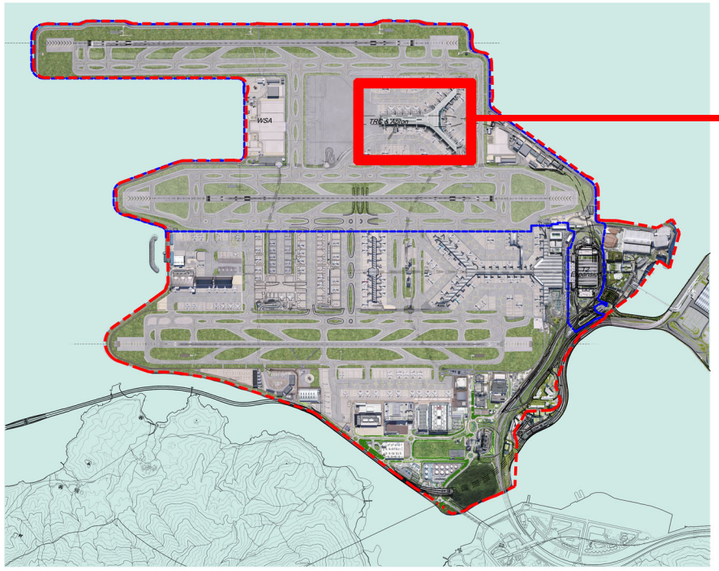
Figure **3.3**

File:
Date: 30 September 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR TERMINAL 2 BUILDING (2)

Environmental Resources Management
ERM

KEY PLAN





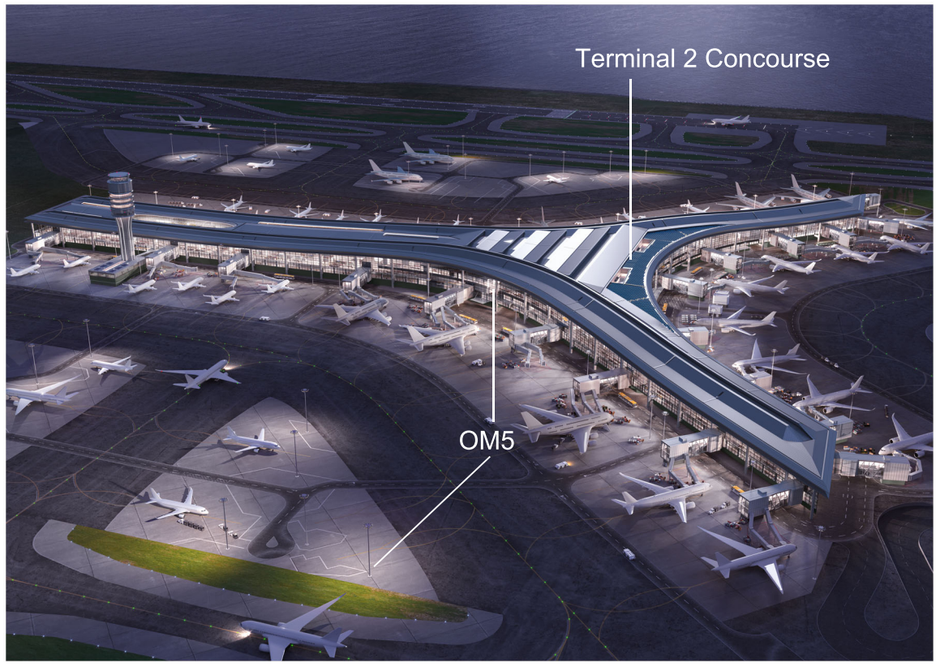


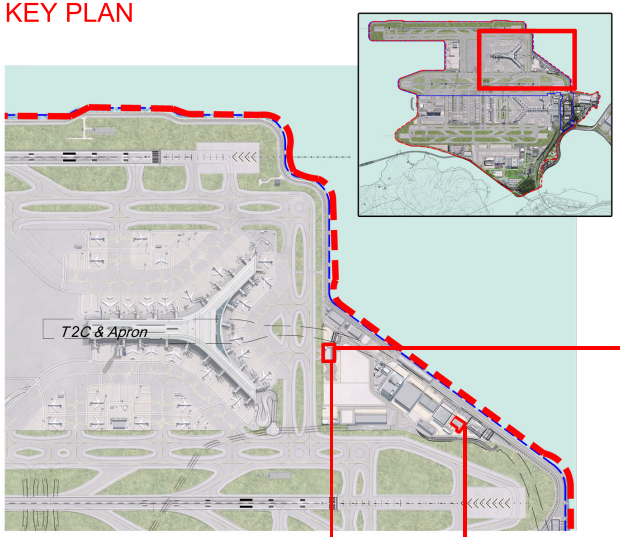
Figure **3.4**

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR TERMINAL 2 CONCOURSE

File:
Date: 30 September 2022

Environmental Resources Management
ERM

KEY PLAN





Airside Fire Station -Side view



Airside Fire Station



Landside Fire Station

Figure **3.5.1**

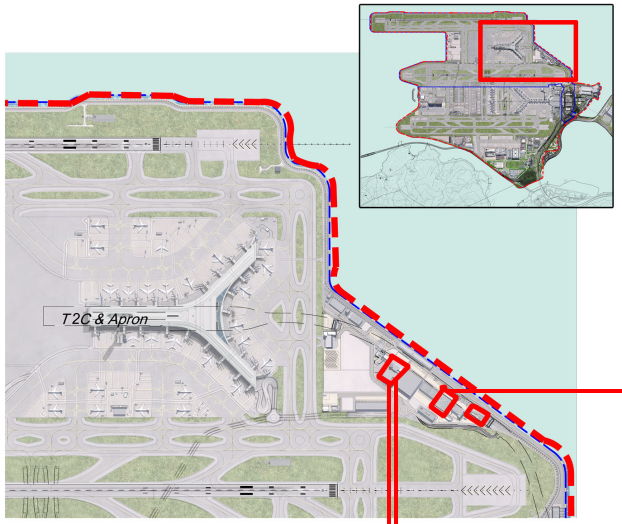
File:
Date: 24 October 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR ANCILLARY BUILDINGS

Environmental Resources Management

ERM

KEY PLAN



OM2, OM3, OM4



Early Bag Store

OM2, OM3, OM4



Data Centre

OM2, OM3, OM4



Police Operational Base

OM2, OM3, OM4



Police Operational Base

Figure **3.5.2**

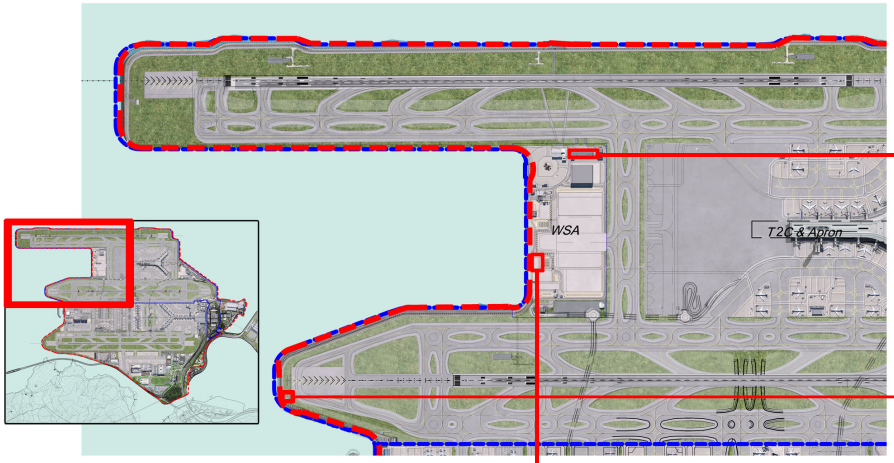
File:
Date: 24 October 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR ANCILLARY BUILDINGS

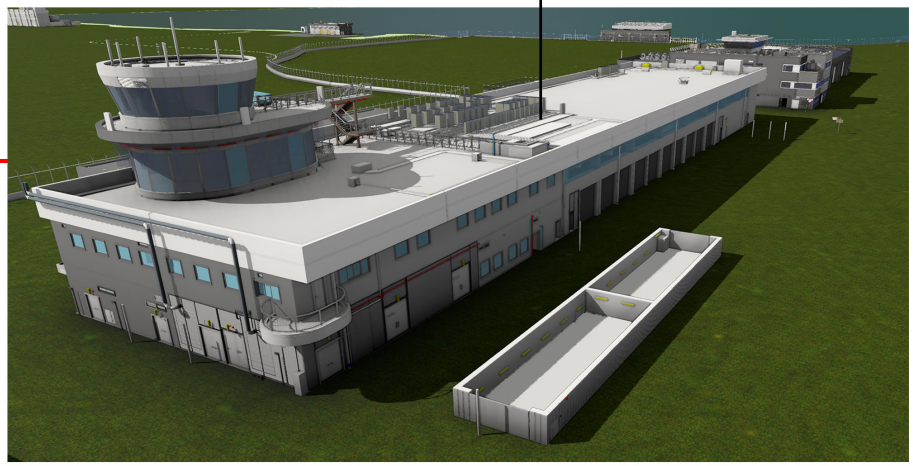
Environmental Resources Management

ERM

KEY PLAN

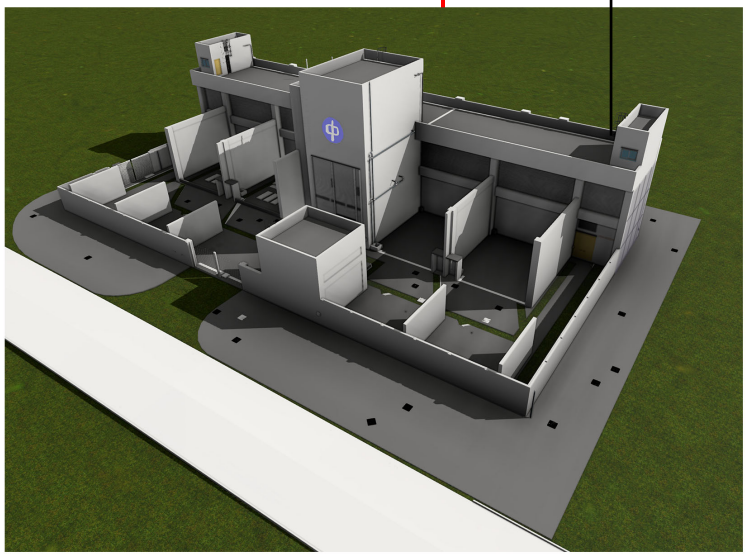


OM2, OM3, OM4



ARE Store and Forecourt Observation Facility

OM2, OM3, OM4



Airport West Third Runway Substation

OM2, OM3, OM4



CAD Localizer Equipment Building and Police Equipment Room

Figure **3.5.3**

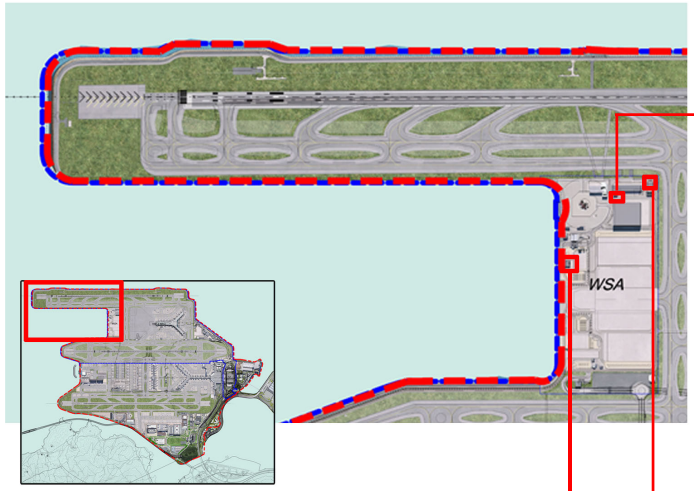
File:
Date: 24 October 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM -
LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR ANCILLARY BUILDINGS

Environmental Resources Management

ERM

KEY PLAN

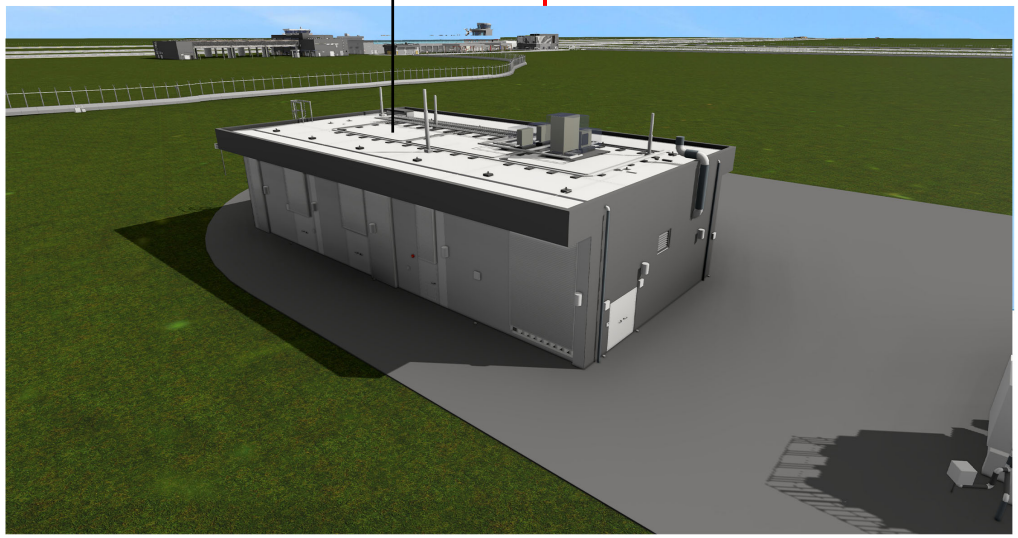


OM2, OM3, OM4



Communications Equipment Building C

OM2, OM3, OM4



Electrical Substation

OM2, OM3, OM4



AGL Vault

Figure **3.5.4**

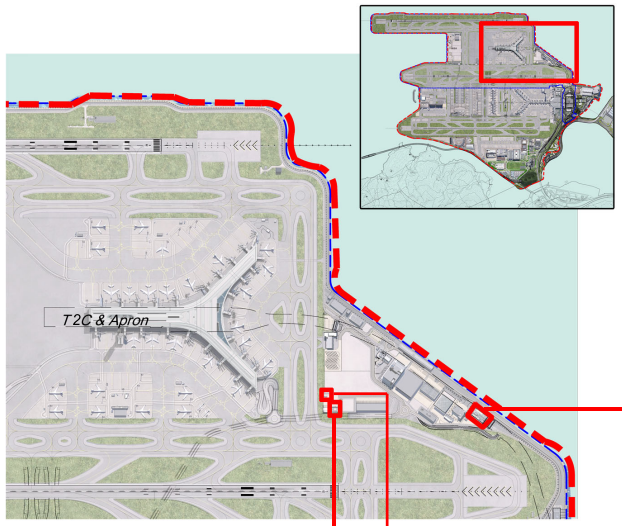
File:
Date: 24 October 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR ANCILLARY BUILDINGS

Environmental Resources Management

ERM

KEY PLAN



OM2, OM3, OM4



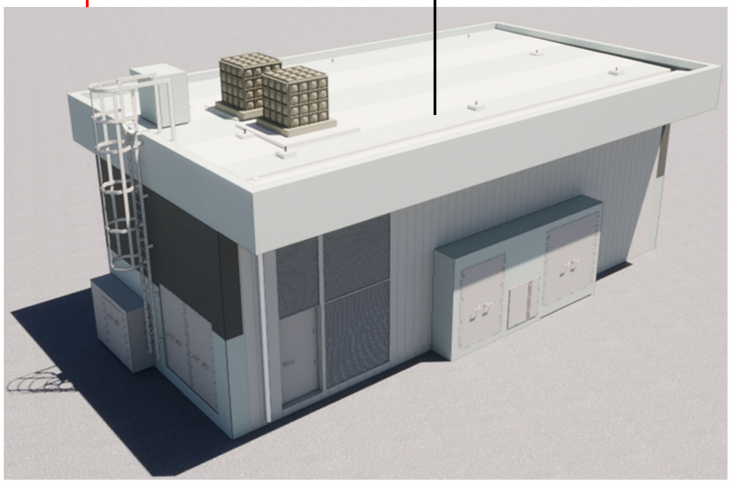
APM BHS Tunnel Vent Building

OM2, OM3, OM4



C&ED Operational Office and Kennel Area

OM2, OM3, OM4



GSE Vehicle Wash Facility

Figure **3.5.5**

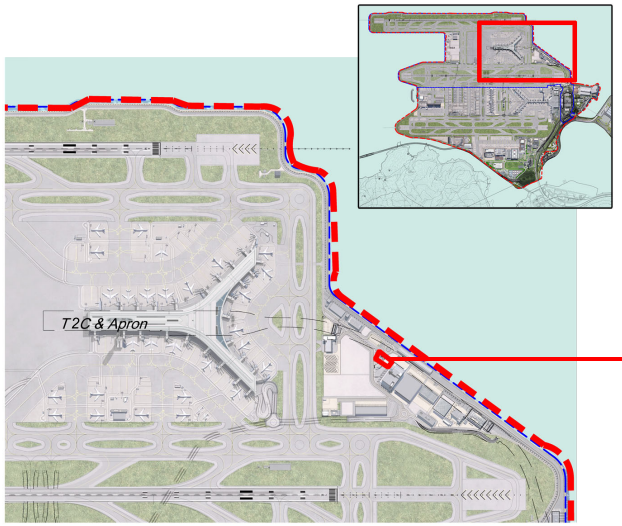
File:
Date: 24 October 2022

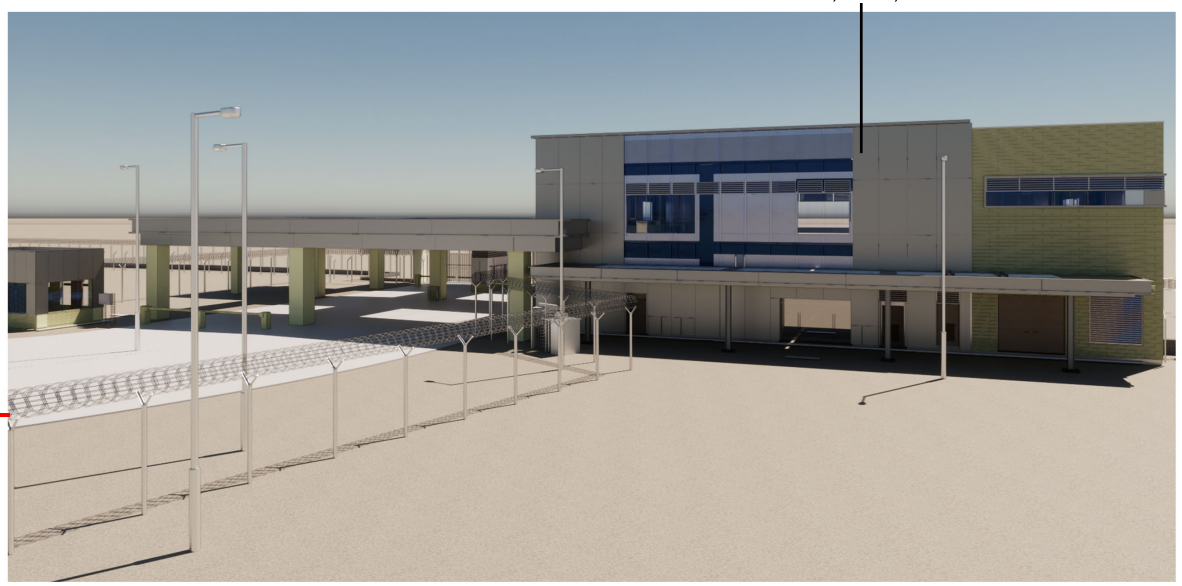
EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM -
LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR ANCILLARY BUILDINGS

Environmental Resources Management

ERM

KEY PLAN





Security Gatehouse View 1



Security Gatehouse View 2



Security Gatehouse View 3

Figure **3.5.6**

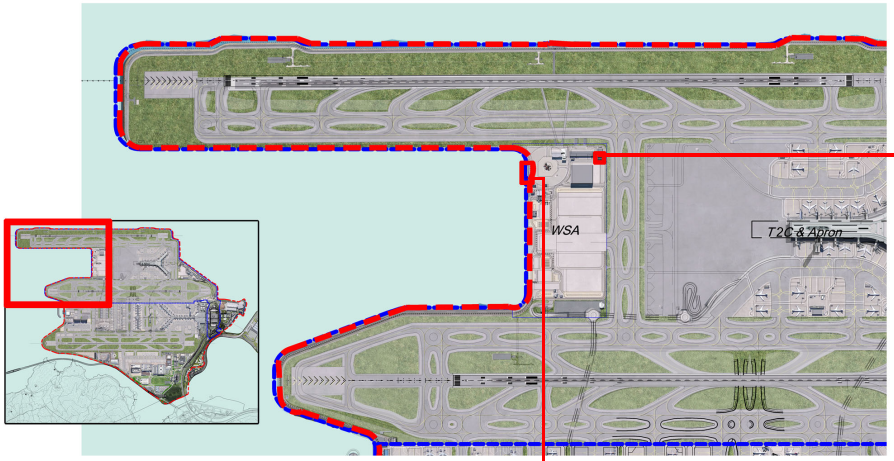
File:
Date: 24 October 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR ANCILLARY BUILDINGS

Environmental Resources Management

ERM

KEY PLAN

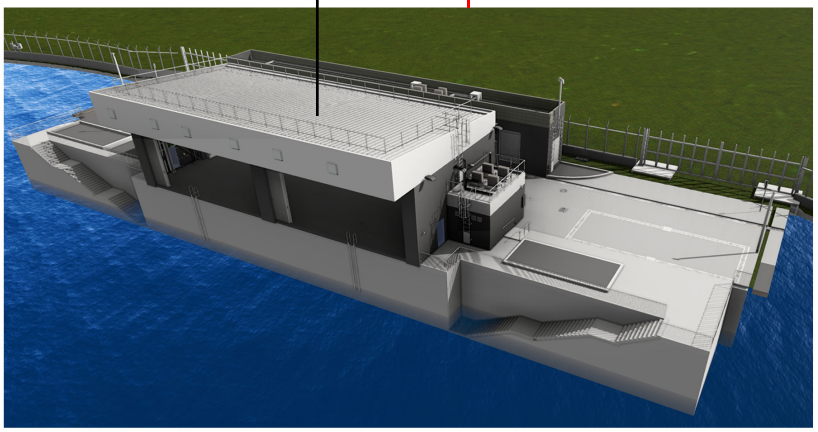


OM2, OM3, OM4



AFC Decontamination Facilities

OM2, OM3, OM4



West Boat Point and Launching Facility

Figure **3.5.7**

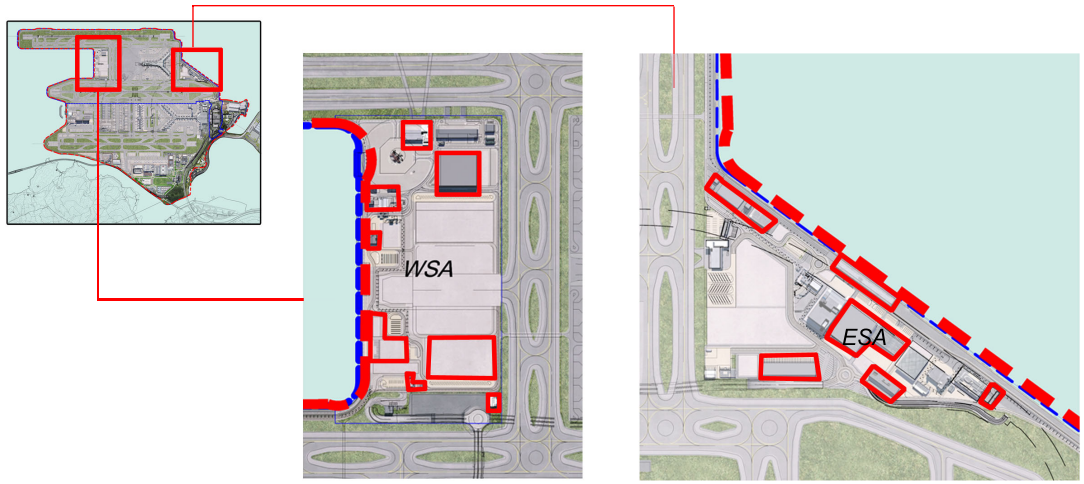
File:
Date: 24 October 2022

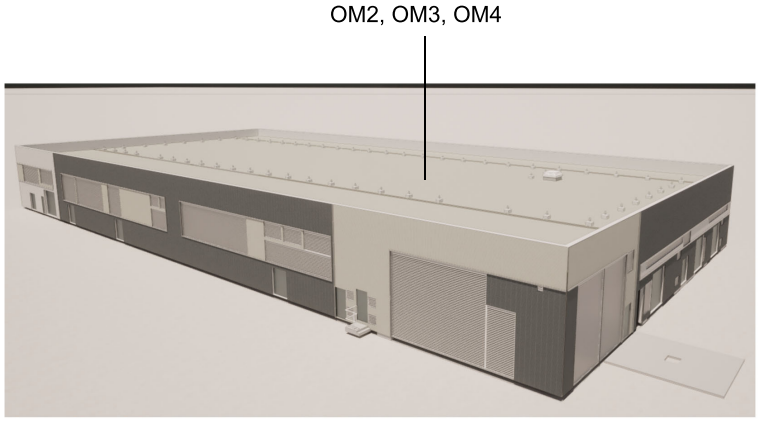
EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR ANCILLARY BUILDINGS

Environmental Resources Management

ERM

KEY PLAN

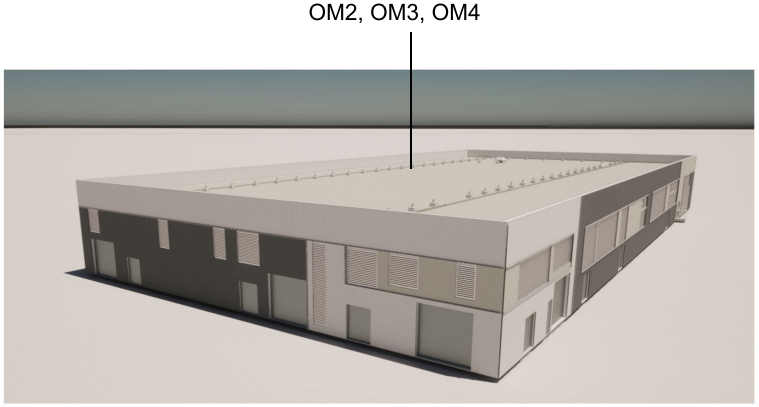




Typical Design of Ancillary Buildings - View 1



Typical Design of Ancillary Buildings - View 2



Typical Design of Ancillary Buildings - View 3

Figure **3.5.8**

File:
Date: 17 February 2023

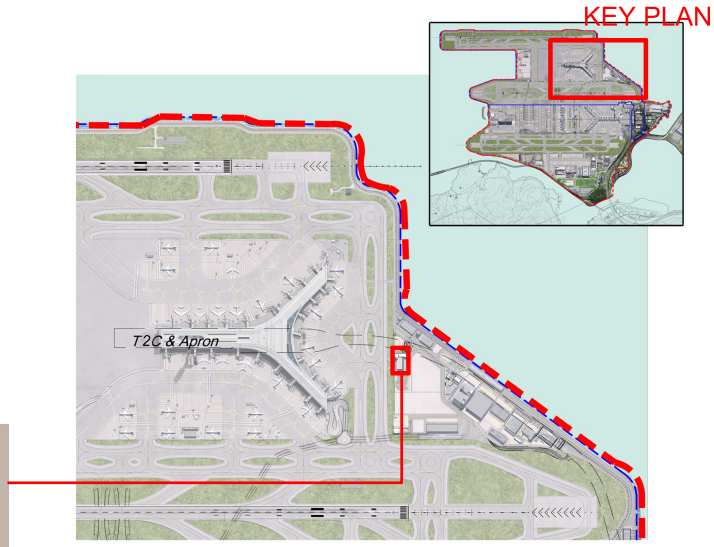
EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR TYPICAL ANCILLARY BUILDINGS

Environmental Resources Management

ERM



KEY PLAN



Airside Fire Station

Figure **3.6**

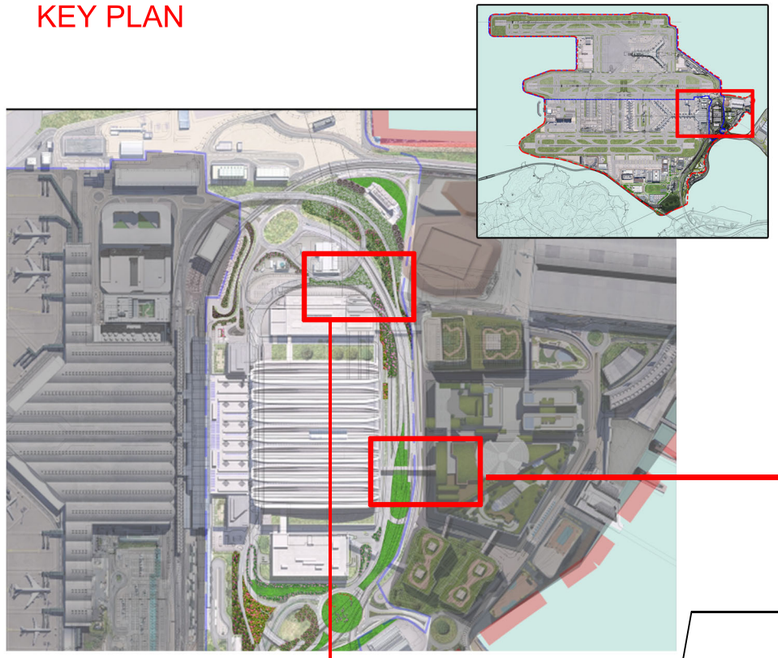
File:
Date: 20 October 2022

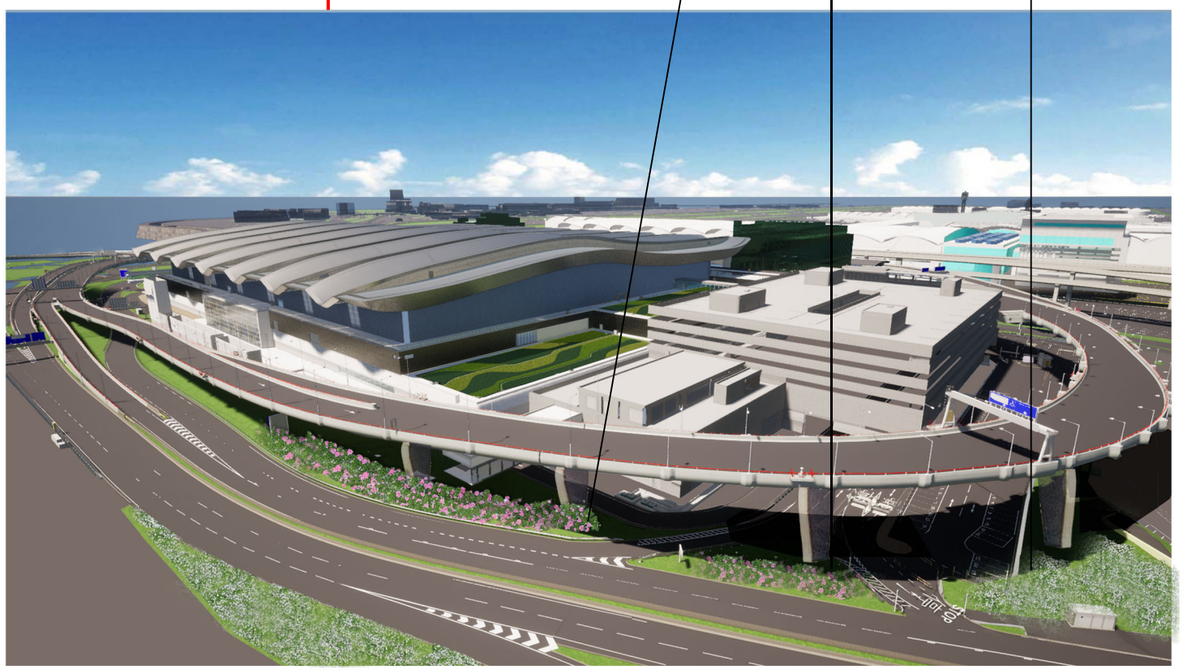
EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM -
LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
TYPICAL EXAMPLE OF ROOF GREENING ON ANCILLARY BUILDING

Environmental Resources Management

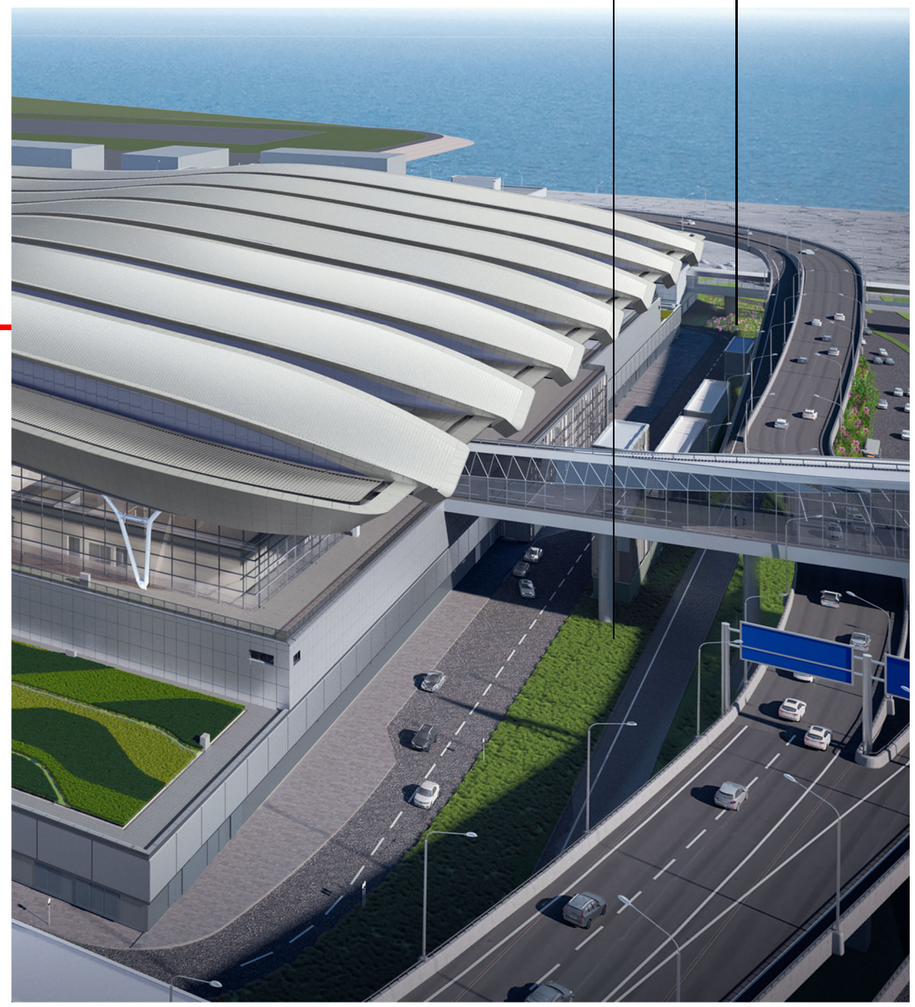
ERM

KEY PLAN





Greening and landscape works for viaduct area of flyover bridge at T2 area



Greening and landscape works for viaduct area of 11 SKIES footbridge

Figure **3.7**

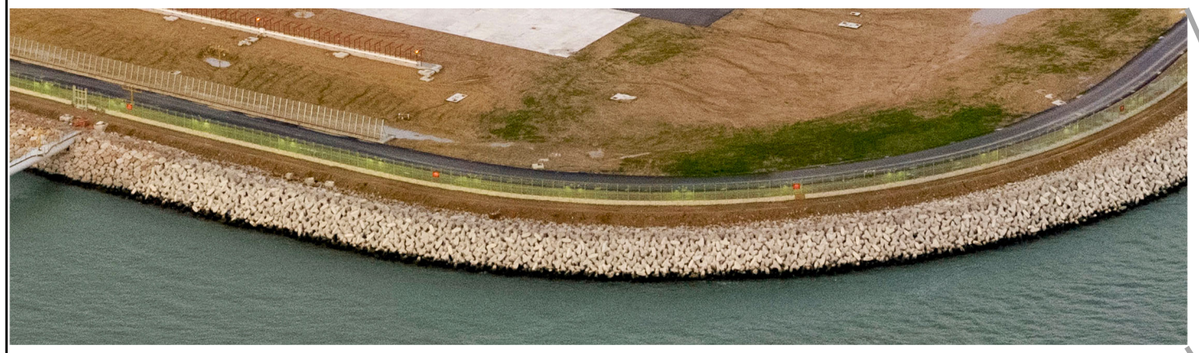
File:
Date: 30 September 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR VIADUCT WORKS (OM10)

Environmental Resources Management
ERM

OM1- Sensitive landscape design of land formation edge by incorporating different angles of gradient and the use of a range of armour rock sizes placed randomly in a riprap approach for an irregular appearance. Planting of native coastal plants shall be incorporated.

Note: However, in accordance with the HKIA Approved Plant Species List (APSL), planting of native coastal plants is not permitted in the Airside area to avoid and minimise bird attraction due to aviation safety reasons.



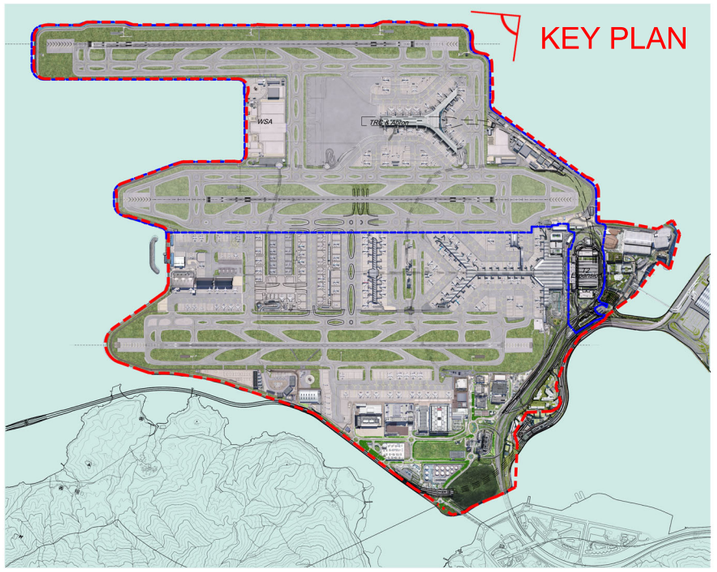




Figure **5.1**

File:
Date: 20 October 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR LAND FORMATION EDGE

Environmental Resources Management
ERM

OM2 - All above ground structures, including, Vent Shafts, Emergency and Firemen's' Accesses etc. shall be, either fully integrated with the planned buildings, or sensitively designed in a manner that responds to the existing and planned urban context, and minimises potential adverse landscape and visual impacts.

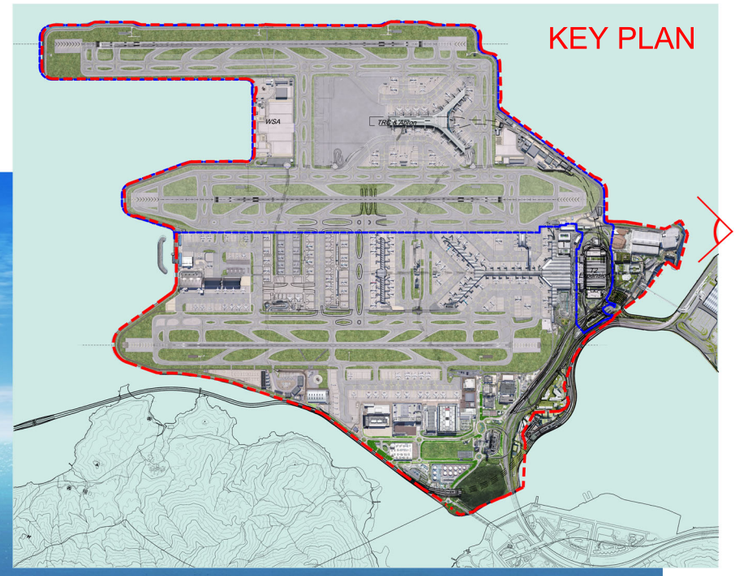


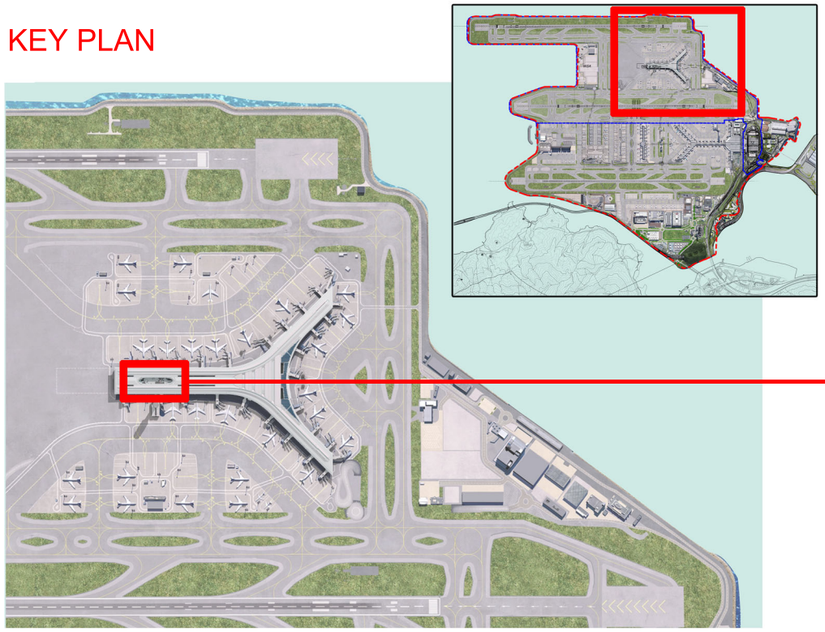
Figure **5.2**

File:
Date: 20 October 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
OVERALL VIEW OF RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR ALL ABOVE GROUND STRUCTURES

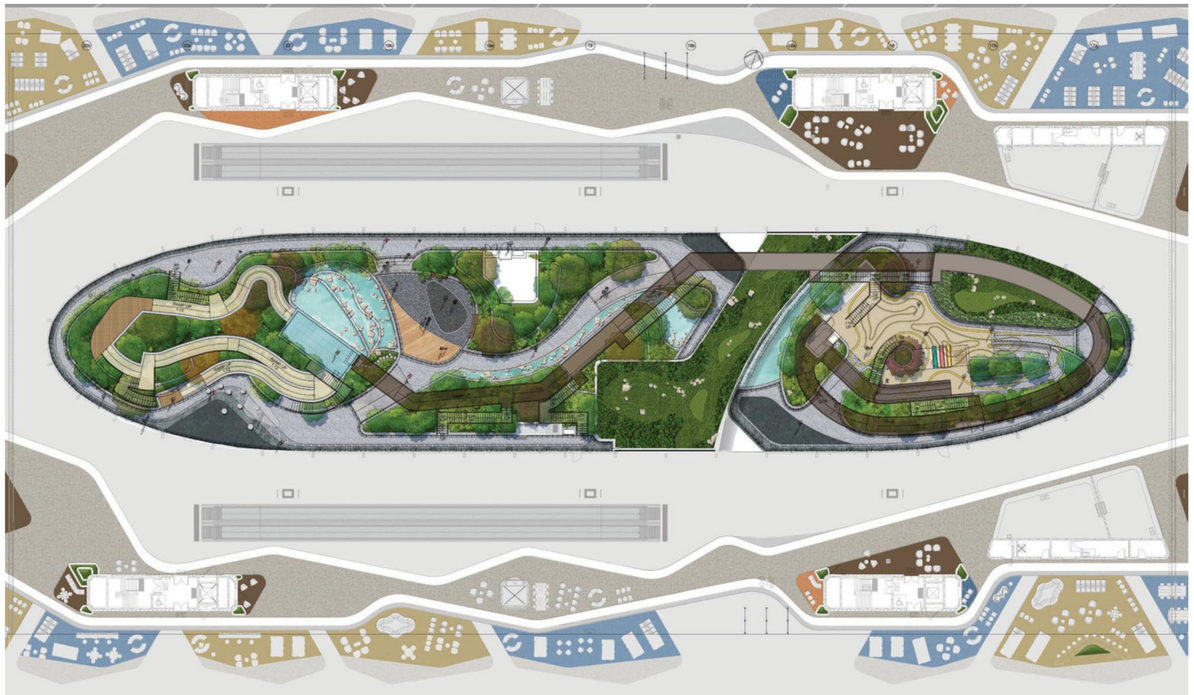
Environmental Resources Management
ERM

KEY PLAN

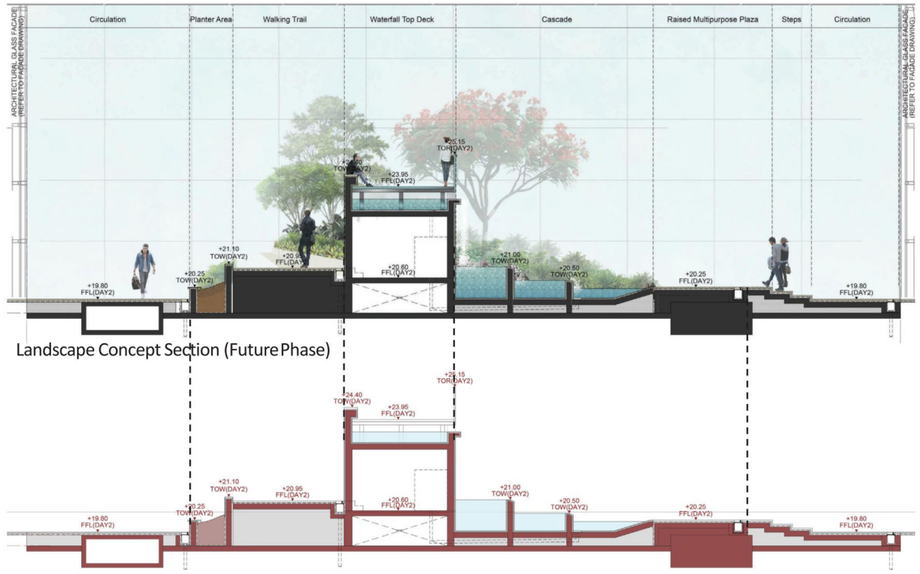




Landscape Concept Plan in T2C Indoor Courtyard (Day 1)



Landscape Concept Plan in T2C Indoor Courtyard (Future Phase)



Landscape Concept Section (Future Phase)

Landscape Concept Section (Future Phase) - Wall structure

Note:
*Structural provision and MoE/MoA have been considered and allowed for future development.
** The layout of Future phase development might be adjusted in future stage.

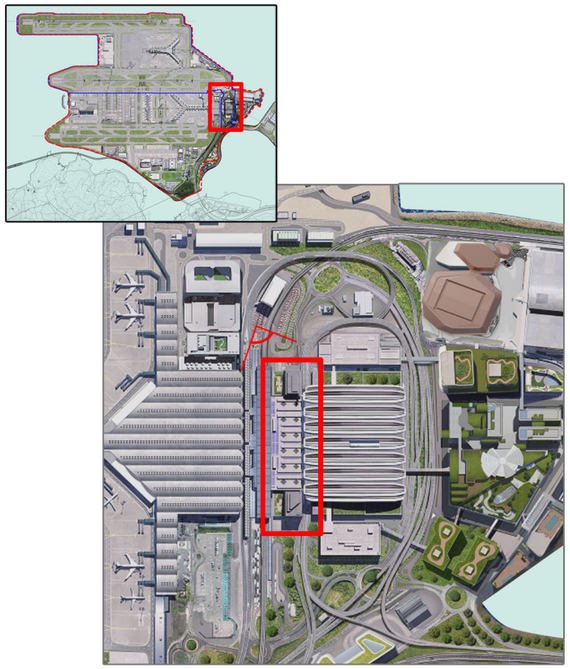
Figure **5.3**

File:
Date: 9 November 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR GREENING MEASURES (OM6)

Environmental Resources Management
ERM

KEY PLAN







Planter design for soft landscape

Artist's Impression of Departure Road for T2 Building (OM8 & OM9)

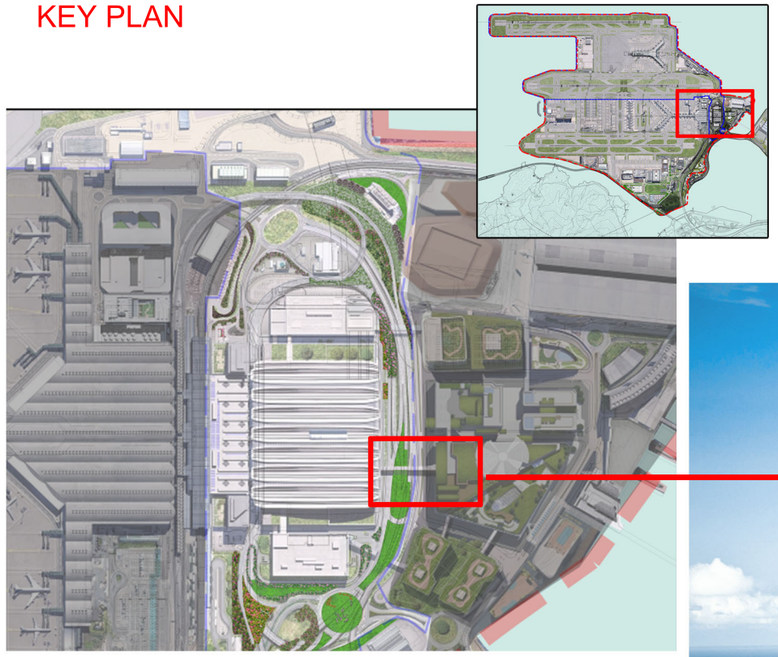
Figure **5.4**

File:
Date: 9 November 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR STREETSCAPE (OM8 & OM9)

Environmental Resources Management
ERM

KEY PLAN



Footbridge to 11 SKIES (OM11)



Figure **5.5**

File:
Date: 30 September 2022

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO THREE RUNWAY SYSTEM - LANDSCAPE AND VISUAL PLAN
CONDITION 2.18 OF ENVIRONMENTAL PERMIT (EP-489/2014)
RECOMMENDED LANDSCAPE AND VISUAL MITIGATION MEASURES FOR FOOTBRIDGE

Environmental Resources Management
ERM

ANNEX A

Hong Kong Regulatory Framework

A1. APPLICABLE HONG KONG STANDARDS

Key standards applicable to the LV Plan are listed below. As there are no guidelines particular to landscape design for airports, some other Hong Kong guidelines have been reviewed for comparison.

1.1 ORDINANCES AND REGULATIONS

- Environmental Impact Assessment Ordinance (EIAO) legislation (Cap. 499, S16);
- Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM), particularly:
  - Annex 10 (Criteria for Evaluating Visual and Landscape Impact, and Impact on Sites of Cultural Heritage); and
  - Annex 18 (Guidelines for Landscape and Visual impact Assessment);
- Environmental Impact Assessment Ordinance Guidance Note 8/2010;
- Town Planning Ordinance (Cap 131);
- Forests and Countryside Ordinance (Cap. 96);
- Protection of Endangered Species of Animals and Plants Ordinance (Cap 586);

1.2 TECHNICAL CIRCULARS & PUBLICATIONS

- AFCD Nature Conservation Practice Note No.2 – Measurement of Diameter at Breast Height (DBH);
- Buildings Department, Lands Department and Planning Department Joint Practice Note No.1, Green and Innovative Buildings (2011);
- Buildings Department, Lands Department and Planning Department Joint Practice Note No.2, Second Package of Incentives to Promote Green and Innovative Buildings (2011);
- Buildings Department, Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers ADV-23, Improvement of Visual Appearance and Landscape Treatment for Man-made Slopes and Retaining Walls (2004);
- Buildings Department, Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers, APP-152;

- Environment, Transport and Works Bureau Technical Circular (Works) No. 11/2004, Cyber Manual for Greening;
- Environment, Transport and Works Bureau Technical Circular (Works) No. 7/2002- Tree Planting in Public Works;
- AFCD Nature Conservation Practice Note No.3 – The Use of Plant Names;
- DEVB Technical Circular (TC) (Works) (W) No. 3/2012 – Site Coverage of Greenery for Government Building Project;
- DEVB Technical Circular (TC) (Works) (W) No. 2/2012- Allocation of Spaces for Quality Greening;
- DEVB Technical Circular (TC) (Works) (W) No. 2/2013 Greening on Footbridges and Flyovers;
- DEVB Technical Circular (TC) (Works) (W) No. 6/2015- Maintenance of Vegetation and Hard Landscape Features;
- DEVB Technical Circular (TC) (Works) (W) No. 4/2020 – Tree Preservation;
- DEVB Technical Circular (TC) (Works) (W) No. 5/2020 – Registration and Preservation of Old and Valuable Trees;
- Geotechnical Engineering Office Publication No.1/2011, Technical Guidelines on Landscape Treatment for Slopes; and
- Geotechnical Engineering Office Publication No.1/2000, Technical Guidelines on Landscape Treatment and Bio-engineering for Manmade Slopes and Retaining Walls.
- Architectural Services Department, Study on Green Roof Application in Hong Kong Final Report (2007);
- Architectural Services Department, Universal Accessibility for External Areas, Open Space & Green Spaces (2007);
- Development Bureau, Handbook on Tree Management (2016);
- Development Bureau, Guidelines on Greening of Noise Barriers (2012);
- Hong Kong Planning Standards and Guidelines (HKPSG);
- Architectural Services Department, Universal Accessibility: Best Practices and Guidelines (2004); and

- Guiding Principles on Green Coverage for Public Housing Developments.

1.3 GREENING, LANDSCAPE AND TREE MANAGEMENT (GLTM) SECTION, DEVELOPMENT BUREAU

In addition the *Greening, Landscape and Tree Management (GLTM) Section, Development Bureau* lists a number of technical circulars and guidelines that are relevant to greening and planting for new developments such as the 3RS, including:

- *DEVB Technical Circular (TC) (Works) (W) No. 3/2012 Site Coverage of Greenery for Government Building Projects*
- *DEVB Technical Circular (TC) (Works) (W) No. 2/2012 Allocation of Spaces for Quality Greening on Roads*
- *DEVB Technical Circular (TC) (Works) (W) No. 2/2013 Greening on Footbridges and Flyovers*
- *DEVB TC(W) No. 4/2020 - Tree Preservation*
- *Guiding Principles on Green Coverage for Public Housing Developments*, jointly prepared by Planning Department and Housing Department (focuses on public housing developments specifically and not necessarily directly applicable to an airport area).
- *Hong Kong Planning Standards and Guidelines (HKPSG)*. *Appendix 3* of the HKPSG Standards lists a number of other references regarding greening, including:
  - Architectural Services Department, Study on Green Roof Application in Hong Kong Final Report (2007);
  - Architectural Services Department, Universal Accessibility: Best Practices and Guidelines (2004);
  - Architectural Services Department, Universal Accessibility for External Areas, Open Spaces & Green Spaces (2007);
  - Buildings Department, Lands Department and Planning Department Joint Practice Note No. 1, Green and Innovative Buildings (2011);
  - Buildings Department, Lands Department and Planning Department Joint Practice Note No. 2, Second Package of Incentives to Promote Green and Innovative Buildings (2011);
  - Geotechnical Engineering Office Publication No.1/2011, Technical Guidelines on Landscape Treatment for Slopes;

- Buildings Department, Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers ADV-23, Improvement of Visual Appearance and Landscape Treatment for Man-made Slopes and Retaining Walls (2004);

- Development Bureau, Guidelines on Greening of Noise Barriers (2012);

- Development Bureau Technical Circular (Works) No. 4/2020, Tree Preservation;

- Environment, Transport and Works Bureau Technical Circular (Works) No. 2/2004, Maintenance of Vegetation and Hard Landscape Features; and

- Environment, Transport and Works Bureau Technical Circular (Works) No. 11/2004, Cyber Manual for Greening.

ANNEX B

International Standards and Best Practice – Airport Landscape Design

CONTENTS

1 INTERNATIONAL STANDARDS AND BEST PRACTICE – AIRPORT LANDSCAPE DESIGN 2

1.1 INTRODUCTION 2
1.2 INTERNATIONAL & LOCAL STANDARDS 4
1.3 SELECT CASE STUDIES - INTERNATIONAL AIRPORTS' LANDSCAPE MASTER PLANNING 10
1.4 REVIEW OF CASE STUDIES 16
1.5 RECOMMENDED QUALITY CRITERIA & BROAD BRUSH TARGETS 20

APPENDIX A DOCUMENTS REVIEWED

APPENDIX B FURTHER DETAILS OF INTERNATIONAL & LOCAL STANDARDS REFERENCED

1 INTERNATIONAL STANDARDS AND BEST PRACTICE – AIRPORT LANDSCAPE DESIGN

1.1 *INTRODUCTION*

The **Airport Authority Hong Kong** ("AAHK") is responsible for operation of the Hong Kong International Airport (HKIA). The HKIA Master Plan 2030 (MP2030) recommended expansion of HKIA into a three-runway system (3RS) ("the Project") as the best way forward to cope with the projected increase in air traffic demand and to secure the continual growth of HKIA operation for the benefit of the economic development of Hong Kong. This development option for HKIA received approval in principle from the Government of the Hong Kong Special Administrative Region (HKSAR) on 20 March 2012.

An Environmental Impact Assessment (EIA) Study Report for the Project was prepared in accordance with the study brief requirements (ESB-250/2012) issued by the Environmental Protection Department (EPD). The EIA Report for the Project (Register No. AEIAR-185/2014) was approved by the EPD on 7 November 2014 and the Environmental Permit (EP) (EP No. EP-489/2014) granted on 7 November 2014.

According to Environmental Permit (EP-489/2014) Condition 2.18, the Airport Authority Hong Kong (AAHK) shall 'no later than 3 months before the commencement of construction works on the formed land of the Project'…submit a…Landscape and Visual Plan (LVP)…to specify quality criteria on the overall landscape and visual environment of the Project with broad-brush targets to be achieved for greening and planting as benchmarked against international standards and best practises. The LVP, with drawings in the scale of 1:1000 or other appropriate scales showing the landscape and visual mitigation measures of the Project, shall include at least the following information:

- aesthetic architectural designs for building structures and facilities;
- locations, size, number and plant species of trees to be transplanted and their final transplanting locations;
- locations, size, number and plant species to be felled;
- locations, size, number and plant species to be provided or compensated; and
- implementation programme, maintenance and management schedules.'

The exact facilities covered by the 3RS LVP will be detailed within the full LVP itself. Broadly it will include the Third Runway Concourse (TRC) which has a number of high-impact design concepts being explored such as an open courtyard area and provision of sunken gardens and interior landscaping, all of which provide opportunities for greening and creation of interesting areas within the future expanded airport. AAHK

has committed to become the world's greenest airport(1) and is looking to set a new benchmark for establishment of a passenger friendly, green and environmentally sustainable concourse at the airport. The LVP will cover all 3RS design aspects. It will fulfil the above EP requirements as well as requirements of the mitigation measures set out in the EIA with regard to landscape and visual impact, construction impact on existing trees, the management of transplanted trees and the provision of compensatory tree planting for trees that have been removed. .

In a broad context, the landscape design of the LVP is also an important aesthetic component of the visual environment, and together with the architectural design of building structures and facilities, will convey a sense of arrival and departure from Hong Kong, one of Asia's most important global cities.

The purpose of the current Report is to address one particular element of the EP requirement within the LVP:

- Specify **quality criteria on the overall landscape and visual environment** of the Project with **broad-brush targets to be achieved for greening and planting** as benchmarked against international standards and best practices.

1.1.1 Approach

The LVP will include full details of local requirements related to the landscape and visual environment of 3RS as well as local requirements for greening and planting and will add detail on the relevant mitigation measures and commitments from the EIAO process. This report focuses on identifying and reviewing available and relevant international standards and/or best practices relating to the landscape and visual environment and greening and planting in an airport setting.

The approach has been based primarily on web-based research. A wide range of readily available information sources were identified which focused on the landscape master planning and design of airports around the world but also included other documentation such as architectural award information and general guidelines concerning airport design and landscaping; key documents reviewed are listed in *Appendix A*. The focus was then a review of select aviation facility case studies to draw out any commonalities prior to drawing conclusions. For completeness, some international standards not directly applicable to an airport or to the 3RS landscape and visual environment, greening and planting but with some general relevance have also been included in *Appendix B*.

While a comprehensive review of local standards and guidelines in Hong Kong will form part of the Statutory Framework review within the full LVP, some key information has been included in the current Report. In addition the Land Grant documents for CLK

(1) As stated on Hong Kong International Airport, Website, Sustainability Page. (Available at http://www.hongkongairport.com/eng/sustainability/environmental-management/index.html). Note 'Green' relates to sustainability more broadly and not just to landscape and vegetation greening.

Lot No.1 (existing airport) and CLK Lot No. 3 (NCD) have been reviewed for any planting or greening requirements.

It should be noted that a planting scheme at the existing airport has been established for many years with the airport island generally divided into four zones according to distances from runways and land use. There is also an approved plant species list with the acceptability of each species and management strategy evaluated based on their growth form and attractiveness to wildlife, particularly birds which need to be avoided near the runways and in airside areas. Plants in landside areas are divided into five categories according to their growth form, namely tree; small tree/shrub herbs and ground cover; climber; and palm. The potential attractiveness of fruits of the selected plant species to birds were also reviewed in 2012 and relative abundance of each species was estimated at that time.

1.2 INTERNATIONAL & LOCAL STANDARDS

There are no internationally recognised quality criteria, broad-brush targets, standards or best practices for airport landscapes. While international standards regarding airports do exist and include 'environment', these are primarily focused on noise emissions, air quality and greenhouse gas emissions and improving efficiency to reduce use of natural resources. In particular the International Civil Aviation Organization (ICAO)[1] amongst its five strategic objectives[2] includes 'Environmental Protection'. However the major environmental goals of this strategic objective are to: limit or reduce the number of people affected by significant aircraft noise; limit or reduce the impact of aviation emissions on local air quality; and limit or reduce the impact of aviation greenhouse gas emissions on the global climate. Any ICAO documents available concerning Airport Planning and Design focus on operational opportunities to improve fuel efficiency and reduce emissions and while the use of environmental management systems is encouraged, there are no specific standards concerning landscape design criteria or greening.

Key points from two internationally recognized accreditation schemes with some landscape provisions, LEED and CEEQUAL, are provided below, with further details in *Appendix B*. These are not aimed at airports however and factors specific to airports, such as safety considerations such as birds roosting in vegetation or necessity of clear lines of sight in some areas, may not make them practical to implement for 3RS.

[1] ICAO is a UN specialized agency, established by States in 1944 to manage the administration and governance of the Convention on International Civil Aviation (Chicago Convention)

[2] http://www.icao.int/environmental-protection/Pages/environment-publications.aspx

1.2.1 LEED

Features to note that are of relevance to soft landscape design and earn accreditation points in LEED, although not directly to be used at airports, include:

- Landscape does not require a permanent irrigation system beyond a maximum two-year establishment period or if the landscape water requirement is reduced by at least 50% from a calculated baseline.

- Provision of a vegetation roof, use of existing plant material or installation of plants to provide shade over paving areas on the site (eg vegetated planted) to minimize heat island effects.

- Provision of shade from trees over at least 40% of the total length of existing and planned sidewalks within or bordering the Project, within 10 years of landscape installation.

- Provision of trees at intervals of no more than 12 m separation along at least 60% of the total existing and planned block length (exempting driveways).

1.2.2 CEEQUAL

While CEEQUAL does include some features regarding soft landscape design they are not directly developed for airports or are focused on development in a less modified environment. Credits earned by such benchmarks as what percentage of vegetation (of any kind) of high or moderate quality has been retained as part of the design, or whether planting design has taken the appropriateness of species selection into account (to include factors such as climate adaptation, local provenance and soil stability), are not necessarily applicable to 3RS given the system will be on reclaimed land or already modified land and planting will need to follow the Airport's approved planting list.

1.2.3 Hong Kong Standards

The full LVP will include a comprehensive review of local standards and guidelines in Hong Kong as part of the Statutory Framework information it will present. However some key information deemed applicable to the current Report are summarized below.

Greening, Landscape and Tree Management (GLTM) Section, Development Bureau

This section of the HK SAR Government's Development Bureau lists a number of technical circulars and guidelines that are relevant to greening and planting for new developments such as the 3RS. These will be fully reviewed in the full LVP and key points include:

- Minimum site coverage of greenery is given in ***DEVB Technical Circular (TC) (Works) (W) No. 3/2012 Site Coverage of Greenery for Government Building Projects***.

While this refers to government buildings it again provides some context to the standards being applied in Hong Kong, even if not directly applicable to the 3RS. It states that all new government buildings are required to achieve the minimum standards as set out in *Table 1.1* below. Examples of how greenery can be achieved include vertical greening, greening on slopes with gradient >45 degrees, grass pavers, covered greenery areas and aquatic planting in water features/ bodies as well as roof greening, podium greening/ sky gardens, greening on slopes with gradient <45 degrees and at-grade greening.

Table 1.1 Minimum Requirements on Site Coverage of Greenery

Area of Site	**Minimum Site Coverage of Greenery**		**Remark**
	Total Greenery Areas	At-grade Greenery Areas	Greenery Areas at other locations
≥20,000m^2	30%	15%	No minimum Greenery Areas requirement at other locations
≥1,000m^2, but <20,000m^2	20%	10%	

- Allocation of space for quality greening on roads is provided in ***DEVB Technical Circular (TC) (Works) (W) No. 2/2012 Allocation of Spaces for Quality Greening on Roads***. While not developed for roads within airport systems, it provides an indication of what might be achieved for some areas of the 3RS. Space requirements of greening zones on roads are given as:

  - For road hierarchies with central reserves to be provided, the following requirements for Central Medium Greening Zone (CMGZ) and Roadside Verge Greening Zone (RVGZ):

    - For trunk road and primary distributors, 2.5m minimum width shall be reserved for CMGZ

    - For roads other than trunk road and primary distributors, 2m minimum width shall be reserved for CMGZ

    - 2m minimum width shall be reserved for CMGZ.

  - For roads other than those above, 1.5m minimum shall be reserved for RVGZ.

  - The CMG and RVGZ act as planting strips for at-grade planting. The guideline goes on to provide the ideal characteristics of the planting strips.

- Some general principles for greening on footbridges and flyovers provided in ***DEVB Technical Circular (TC) (Works) (W) No. 2/2013 Greening on Footbridges and Flyovers***, which states that a balanced approach should be taken in the planning and design process taking into account factors including: Sustainability; Aesthetic effect; Compatibility with environment; Cost-effectiveness in terms of whole life-cycle costs; and Maintenance considerations.

- ***DEVB TC(W) No. 4/2020 - Tree Preservation*** set out policy for tree preservation including the procedures for control of tree felling, transplanting and pruning in Government projects and departmental responsibilities in handling proposals on tree preservation and removal. It set out the basic principles that compensation should be realistic, practicable and suitable and selection of tree species for compensatory planting should take into account resource requirement, suitability and cost-effectiveness in subsequent maintenance. It states that '**as far as possible, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of number**' (with some possible exceptions such as on slopes), and in principle size of compensatory trees should be appropriate to the location and function. If this 1:1 ratio can be met in terms of number, additional planting to achieve **1:1 ration in terms of aggregated DBH should be undertaken as far as practicable.** This policy also states that 'quality aspect of greenery on site such as introduced themed planting, enhancing the ecological and conservation value, increasing overall site coverage of greenery, maximizing greening opportunity through vertical greening and roof greening, etc.' should be considered.

Hong Kong Planning Standards and Guidelines

The *Hong Kong Planning Standards and Guidelines (HKPSG)* is a Government manual of criteria for determining the scale, location and site requirements of various land uses and facilities. This manual is applied in planning studies, preparation/revision of town plans and development control. In particular Chapter 4 regarding 'Recreation, Open Space & Greening' is partially relevant to the current study. It has provisions for standards of open space but these are defined per 100,000 persons for district and local open space and therefore not directly applicable to the 3RS. It does note however that generally for site development, for tree planting a 3 m wide planting strip and a minimum 1.2m soil depth (excluding drains) should be reserved and for other plantings, a minimum 1 m wide planting strip is recommended. This guideline does also provide some criteria for greening, however these are for residential developments and quantified around numbers of people, so again are not applicable.

Guiding Principles on Green Coverage for Public Housing Developments

Guiding Principles on Green Coverage for Public Housing Developments has been jointly prepared by Planning Department and Housing Department and it focuses on public housing developments specifically and so is not necessarily applicable to an airport area. This guideline recommends an **overall target of 30% green coverage** for public housing developments but subject to individual site characteristics and constraints, **a lower percentage of green coverage could be considered on a case by case basis** while **20% should be considered as a minimum** unless constrained by special circumstances. There are **incentives** laid out in this guideline **to encourage greening** (eg communal sky gardens on residential buildings with greenery may enjoy exemption from Gross Floor Area (GFA) and/or Site Coverage (SC) calculations under the Buildings Ordinance (BO), Buildings Department (BD), Lands Department and Planning Department Joint Practice Note No. 1, Green and Innovative Buildings (JPN No. 1)). While the percentage green coverage targets and incentives set out in this guideline are not

necessarily applicable to 3RS, they are specific to Hong Kong and might be used as an initial reference to develop more specific airport greening targets.

For industrial and commercial developments, a minimum standard of 0.5m^2 local open space per worker for landscaping and passive recreation use is required. While this may not be directly applicable to 3RS, the system will need to consider its workforce, and for any open space requirement, a percentage should be available for greening and planting purposes.

In addition, *Appendix 3* of the HKPSG Standards lists a number of other references regarding greening, including:

- Architectural Services Department, Study on Green Roof Application in Hong Kong Final Report (2007);
- Architectural Services Department, Universal Accessibility: Best Practices and Guidelines (2004);
- Architectural Services Department, Universal Accessibility for External Areas, Open Spaces & Green Spaces (2007);
- Buildings Department, Lands Department and Planning Department Joint Practice Note No. 1, Green and Innovative Buildings (2011);
- Buildings Department, Lands Department and Planning Department Joint Practice Note No. 2, Second Package of Incentives to Promote Green and Innovative Buildings (2011);
- Geotechnical Engineering Office Publication No.1/2011, Technical Guidelines on Landscape Treatment for Slopes;
- Buildings Department, Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers ADV-23, Improvement of Visual Appearance and Landscape Treatment for Man-made Slopes and Retaining Walls (2004);
- Development Bureau, Guidelines on Greening of Noise Barriers (2012);
- Development Bureau Technical Circular (Works) No. 4/2020, Tree Preservation;
- Environment, Transport and Works Bureau Technical Circular (Works) No. 2/2004, Maintenance of Vegetation and Hard Landscape Features; and
- Environment, Transport and Works Bureau Technical Circular (Works) No. 11/2004, Cyber Manual for Greening.

BEAM Plus

BEAM Plus is an accreditation scheme which has been set up by the Hong Kong Green Building Council Limited (HKGBC) which strives to promote the standards and development of sustainable buildings in Hong Kong and develop practical solutions for Hong Kong's unique, subtropical built environment of high-rise, high density urban area. HKGBC has developed various Building Environmental Assessment Methods (BEAM) to undertake assessments which cover the planning, design, construction and commissioning of a new building projects and as such could be applicable to 3RS.

Overall BEAM seeks to reduce the environmental impacts of a new building while also improving environmental quality and user satisfaction. There are no overarching assessment aspects for landscape or greening; however assessment criteria relevant to landscape and greening are included within Site Aspect categories of BEAM Plus Neighbourhoods and New Buildings. BEAM Plus concerning new buildings includes criteria for providing appropriate planting on site equivalent to at least 30%-50% of the site area in residential premises and Neighbourhoods has credits points if over 5% of the site area is green space, open space or blue assets. Since 3RS is not residential these are not directly applicable but BEAM does allow for refinement of criteria according to specific conditions and these criteria may be adapted to suite an aviation facility with other higher priorities such as and safety and functionality. To maximize the provision of greenery, however, internal landscapes could be provided where possible, to improve the indoor environmental quality and visual benefit of occupants within 3RS.

CEEQUAL

CEEQUAL is an international evidence-based sustainability assessment scheme for civil engineering and infrastructure projects that was first developed by the UK Institution of Civil Engineers in year 2003. CEEQUAL aims to assist clients, designers and contractors in the delivery of improved sustainability performance and strategy during the course of a project, covering the planning, design and construction phases.

The AA is pursuing a Whole Team Award for the Third Runway and Associated Works contract of the 3RS Project. The CEEQUAL assessment covers wide-ranging aspects of sustainability performance, including some landscape and visual issues. The AA has currently already completed the Interim Client and Design Award related sustainability assessment under CEEQUAL and has achieved an Excellent rating for the Interim Award.

1.2.4 Land Grant Requirements

Within the Land Grant documents for the Airport, there are specific provisions for Landscaping requiring development of a Landscape Master Plan or Conceptual Landscaping Submission.

For CLK Lot No. 3 (NCD) the Landscape Master Plan must show compliance with the following conditions which are relevant to this Report:

- **Not less than 30% of the area of the lot**, in which, as far as this Special Condition is concerned, shall exclude the site or sites for the provision of the Airport Operational Development, **shall be planted with trees, shrubs, or other plant**s and **not less than 50% of the said 30%** (hereinafter referred to as **"the Greenery Area"** shall be provided at such location or level as may be determined by the Director at his sole discretion, so that **the Greenery Area shall be visible to pedestrians or accessible by any person or persons entering the lot**. The decision of the Director on which landscaping works proposed by the Grantee constitutes the said 30% shall be final and binding on the Grantee. The Director at his sole discretion may accept other non-planting features proposed by the Grantee as an alternative to planting trees, shrubs or other plants.

- All landscaping within the lot shall comply with the latest version of the Approved Plant Species List as published by the Airport Authority.

- No tree growing on the lot or adjacent thereto shall be removed or interfered with without the prior written consent of the Director who may, in granting consent, impose such conditions as to transplanting, compensatory landscaping or replanting as he may deem appropriate.

For CLK Lot No.1 (existing airport) no specific conditions are provided but the following clauses relate to landscaping:

- The Grantee shall within three months from the date of the Agreement, submit a Conceptual Landscaping Submission indicating landscape treatment for the Lot, including the preservation and enhancement of the natural landscape reserve. The Conceptual Landscaping Submission will give such details of all planting and hard finishes of all landscape areas, slopes and retaining structures as the Director may require.

- Prior to commencement of any building works (other than site formation works) for each part or parts of the Lot, the Grantee shall submit Detailed Landscaping Submission which shall include schedules and drawings and such other information as the Director may require, giving details of the hard and soft landscaping layouts and works in accordance with the approved Conceptual Landscape Submission.

1.3 SELECT CASE STUDIES - INTERNATIONAL AIRPORTS' LANDSCAPE MASTER PLANNING

As confirmed in *Section 1.2* there are no relevant international quality criteria, broad-brush targets or standards for airport landscapes. A number of documents concerning airports' landscape master planning where therefore reviewed from around the globe, from publically available information. A full list of these documents is provided in *Appendix A* including summary information for each.

The reference sources were evaluated to identify standards and best practices applied to each airport landscape design. Overall many of the same themes kept emerging from the document review and several case studies were then selected for further elaboration, based on the following criteria:

- Developed within the last 10 years, which is a period considered most likely to include advancements in modern landscape design for airports;
- Included specific references to landscape standards, guidelines, principles and design criteria;
- Provided a good illustration of particular themes relevant to the Study; and
- In combination, present a cross section of different countries and climates/ situations.

The selected case studies are listed below and the key information for each one provided in *Sections 1.3.1 to 1.3.6*.

1. "Airport Landscape – Urban Ecologies in the Aerial Age", edited by Sonja Duempelmann and Charles Waldheim, published by the Harvard Graduate School of Design, 2014;
2. Terminal 3 Interior Landscape, Changi Airport. For the Civil Aviation Authority of Singapore (CAAS) **(Singapore)**;
3. "Brisbane Airport 2009 Landscape Masterplan (Revised 2010)", Brisbane Airport Corporation Pty Ltd, August 2010 **(Australia)**;
4. "Edmonton International Airport Landscape Design Guidelines", Edmonton Airport Airport, October 2010 **(Canada)**;
5. "Airport Landscape: Schipol", Adriaan Geuze & Maarten Buijs, Scenario Journal, May 2014 (**Netherlands**); and
6. Sustainable Airport Planning, Design and Construction Guidelines for Implementation on All Airport Project, Los Angeles World Airports, 2010 (**USA**) with case study of "Los Angeles International Airport Northside Plan: Design Guidelines and Standards", Rios Clementi Hale Studios, May 2014

1.3.1 Airport Landscape – Urban Ecologies in the Aerial Age

This document reviews the landscape design development of 26 airports of varying sizes located in North America, Europe, Asia-Pacific and North Africa. The evaluation identified a number of landscape themes:

- The use of landscape to mitigate air, soil and water pollution, manage stormwater runoff and risk to operations from wildlife and to enhance the airports appearance; and

- The conversion of airports into sites for urban agriculture, renewable energy and urban development to enhance environmental quality.

1.3.2 Terminal 3 Interior Landscape, Changi Airport, Singapore [(1)]

This document focuses on the design of the interior landscape for Singapore's Changi Airport. The landscape design criteria were to:

- use landscape elements to enhance and to become a dominant feature of the architecture, enhancing the city state's aim of being a 'city in a garden';

- develop a unique landscape design palette appropriate to the scale and use of the building;

- establish an interior environment where planting is part of the architecture, not just as accents and decoration.

- devise a low-cost, light-weight system for growing massed climbing plants.

Terminal 3 now contains a huge vertical garden, over 300 m wide and reaching five storeys high, with more than 10,000 plants and 25 species of climbers. It also has a an automatically controlled louvre system and unique roof with over 900 skylights with specific double-glazed low-emissivity low iron glass, which all work to help control temperature and reduce glare while still allowing penetration of natural spectrum of daylight into the building.

1.3.3 Brisbane Airport Landscape Masterplan, Brisbane, Australia [(2)]

This landscape masterplan for Brisbane International Airport was guided by three planning principles:

- Planning Principle 1: **Landscape Sustainability** - use sustainable landscape and open space planning and design with four main considerations:
  - Drought tolerance
  - Non-bird and flying fox/bat attracting
  - Subtropical design
  - Cost-effective maintenance.

  ie This included planting species which are drought tolerant, didn't attract birds and bats, are characteristic of the local micro-climate and cost-effective to maintain.

(1) https://www.asla.org/2009awards/043.html

(2) http://www.bne.com.au/sites/all/files/content/files/2009 Landscape Master Plan as at 3 August 2010.doc__0.pdf

- Planning Principle 2: **Landscape Values** - minimise adverse environmental impacts, balance the airport's built-form and complement biodiversity values with four main considerations:
  - encouraging connectivity between biodiversity and landscape;
  - enhancing scenic amenity;
  - minimising water use; and
  - separating urban areas.

  In separating urban areas, one strategy was to provide scenic landscape buffers that contributed to scenic amenity and outdoor recreation opportunities e.g where high traffic areas overlook low scenic preference areas such as car parks. It also recognises the potential to include landform modification eg mounding, for the buffer areas.

- Planning Principle 3: **Open Space Network** – facilitate public access through an attractive and innovative landscape setting for the enjoyment of the community consisting of:
  - Landscape character;
  - Cultural connection;
  - Outdoor recreation and connectivity;
  - Sport and recreation; and
  - Community focus and tourism.

The master plan did not refer to global best practice or guidelines but complied with several local and provincial-level government policies (e.g Queensland Tourism Strategy: A 10-year vision; South East Queensland (SEQ) Regional Plan; SEQ Active Trails Strategy; Water Sensitive Urban Design: Technical Guidelines for DEQ; SEQ Outdoor Recreation Strategy; Brisbane Airport Corporation (BAC)'s 2009 Master Plan; BAC's Airport Environment Strategy; BAC's Biodiversity Management Strategy and BAC's Drainage Master Plan).

Within this Landscape Master Plan a provision that landscape treatment must be consistent with the 'Landscape Area hierarchy and landscaping requirements' is made. Landscape areas are defined as including 'entrances, pedestrian areas and soft-scape within car parks'. In talking of landscape areas and plant selection this document stipulates minimum criteria for landscape treatment as:

- High Public Exposure Areas: 15% of Site

- Medium Public Exposure Areas: 10% of Site

- Low Public Exposure Areas: 5% of Site

1.3.4 Edmonton International Airport Landscape Design Guidelines, Edmonton, Canada[1]

The landscape design guidelines were guided by the following principles:

- create a '**sense of place**' by relating landscape design to the unique character of the city;
- '**greening**' of the airport by use of vegetation throughout the site with a definitive vegetated edge;
- **sustainable and maintainable** – use of low impact development techniques throughout development to mitigate environmental impacts;
- create a **welcoming gateway** to the airport to make an impression on visitors as they travel from the highway to the terminal;
- create **complimentary gateway**s within the airport lands and on its edge;
- develop a **healthy community** by providing opportunity for **passive outdoor recreation**;
- **reuse existing on-site materials** including boulders and fill excavated from the apron; and
- ensuring measures are **economically feasible**.

1.3.5 Landscape Strategy, Schipol Airport, Amsterdam, Netherlands [2]

The landscape strategy for Schipol had four "layers":

1. **Runway Verges**: For those arriving at Schiphol, Holland's green and tidy image should be confirmed by well-maintained green grassed verges at all times;
2. **Green Route**: Various airport services, facilities and centres are positioned along a loop road and should be linked by a uniform landscape treatment which characterizes these auxiliary areas;
3. **Infill Planting**: In amongst the airport buildings, facilities and services are many areas of open space and vacant land and all areas without an identifiable purpose, are planted with trees; and
4. **Visual Access**: The most impressive visual quality of an airport is the landing and take-off of planes and therefore visual corridors are kept open for people to enjoy this feature.

(1) http://corporate.flyeia.com/sites/default/files/Construction/eia_landscape_guidelines_oct_2010_v8.pdf

(2) http://scenariojournal.com/article/airport-landscape/

A key aspect of the strategy was the need for large areas of tree planting which meant that the species had to be carefully selected. They needed to be cost effective, easily-maintained, easily-propagated and not attract birds. Birch trees were selected and with the added advantage that their fibrous roots do not interfere with subterranean infrastructure.

1.3.6 *Sustainable Airport Planning, Design and Construction Guidelines for Implementation on All Airport Project*[1] with Case Study of *LAX Northside Plan, Los Angeles International Airport, USA*[2]

The overarching *Sustainable Airport Planning, Design and Construction Guidelines for Implementation on All Airport Projects* is a document for all Los Angeles International Airport. It lists just three performance measures for 'Landscape Design':

1. Reduce or eliminate potable water use for landscaping - Design landscaping to use 70% less potable water than allowed by local regulations once established OR 50% less than an average local baseline for similar facilities once established (temporary increased irrigation allowed for one-year maximum to establish new plantings calculated from a mid-summer baseline);

2. Reduce impact of fertilizer use

3. Provide Infrastructure for composting & Vermiculture.

In addition there are measures related to 'Heat Island Reduction – Roof' which target installation of '**a vegetation green-roof for greater than 50% of the total roof area**' and for 'Heat Island Reduction – Non-roof' targeting to '**install trees to provide shade within 5 years for at least 30% of dark colored impervious surfaces**' using native or climate-tolerant trees and large shrubs, vegetated trellises or other exterior structures supporting vegetation. It also states to 'substitute vegetated surfaces for impervious surfaces' and conversely to 'landscape to reduce heat through plant transpiration'.

The landscape design guidelines for LAX Northside case study specifically support the overall development concepts of the designated three districts: the LAX Northside Centre District, the LAX Northside Campus District and the LAX Northside Airport Support District. In addition, a key design principle was to prevent future interactions between birdlife and the working airfield. The landscape guidelines and standards have been organized around seven zones that exist within these three districts. These areas have been selected to help focus specific plants from the overall planting palette into appropriate locations. The seven zones designed were:

1. **Landscape setbacks** - used primarily to screen development from neighbouring communities and differentiate boundaries along property lines. These areas, depending on their location within the LAX Northside, consist of drought tolerant,

(1) https://www.lawa.org/uploadedFiles/LAXDev/News_for_LAXDev/Sustainable/Airport%20PDC/Guidelines/Jan08.pdf
(2) http://lawa.org/GDZ/pdf/LAXN%20Design%20Guidelines.pdf

low maintenance and durable materials that provide options for trees, shrubs and groundcover. The planting palette combined 50% non-native and 50% native plant material;

2. **Streetscapes** - primarily evergreen and non-native, allowing a consistent visual appeal year-round, in addition to being drought tolerant and non-invasive. The planting palette combined 70% non-native and 30% native plant material;

3. **Airport support zones** will have minimal planting owing to their proximity to the airfield. Most plant material was groundcover and shrubs and limited numbers of trees. This zone combined 80% native and 20%non-native plant material;

4. **Landscape buffer zones** consist of 100% percent locally-native, drought tolerant plant materials requiring limited to no maintenance;

5. **Recreation zones** are open space areas that required specific and particular groundcover for active playing fields, and intensive uses, such as dog parks and running paths. The planting palette for this area type was drought tolerant, non-invasive and will require frequent maintenance owing to heavy usage. The palette stipulated locally native species combining 80% native and 20% non-native plant material;

6. **Parking and development zones** were the largest landscaped areas within the LAX Northside area and are the surface parking areas required for each development. The planting palette for these areas consists of a hybrid mix of 40% non-native and 60% native plants. The trees, shrubs and groundcover options were compatible with storm water management systems, such as bioswales or permeable paving systems; and

7. **The urban tree line zone** is one of the most distinguished design features at LAX Northside. A line of trees runs the entire length of the LAX Northside and provides an edge through which development frontages engages and interacts. This row of trees is intended to be planted with a single tree species that is an evergreen species known for its low maintenance, capability for slender but tall growth in a conical form, and vibrant light green needles. This defining line creates an identity for the LAX Northside, while buffering visual and audible impacts from future developments on adjacent communities.

1.4 REVIEW OF CASE STUDIES

The case studies and documents reviewed went some way to illustrating the unique situation of each airport facility in terms of landscaping. Climate varies widely between locations influencing such matters as the nature of available vegetation species and the types of wildlife that may need to be considered. Equally how remote or integrated airports are with urban or developed environments and their linkages are all individual. It is therefore understandable that there are no internationally recognised quality criteria around greening or standards for planting

within airports. However, upon evaluating the case studies several general design objectives can be identified that are applicable to the majority of the case studies and these are summarised in *Table 1.2* below.

Table 1.2 Case Study Design Objectives

Design Objective (in order of case study)	26 Global Airports	Brisbane Airport	Singapore Terminal 3	Edmonton Airport	Schipol	LAX Northside	Applicable to 3RS
Use of landscape to mitigate air, soil and water pollution	✓	✓	n/a	✓	✓	×	✓
Manage risk to operations from birdlife	✓	✓	✓	✓	✓	✓	✓
Landscape design and visual quality: • enhance the airport's appearance • create an attractive and innovative landscape setting for the enjoyment of the community • balance the airport's built-form and complement biodiversity values by encouraging connectivity between biodiversity and landscape • create a welcoming gateway to the airport • provide opportunity for passive outdoor recreation • maintain landscape at all times • Design visual corridors are kept open for people to enjoy take off and landings	✓	✓	✓	✓	✓	✓	✓
Conversion of airports into sites for urban agriculture, renewable energy and urban development to enhance environmental quality	✓	×	×	×	×	×	×
Maximises internal landscapes within terminal buildings	×	×	✓	×	×	×	✓
Select planting species that doesn't attract wildlife, are characteristic of the local micro-climate and are economically feasible and cost-effective to maintain	✓	✓	✓	✓	✓	✓	✓
Minimise adverse environmental impacts minimising, for example, manage water use and stormwater runoff; use of low impact development techniques	✓	✓	✓	✓	×	×	✓
Create a 'sense of place' by relating landscape design to the unique character of the city	✓	×	✓	✓	×	✓	✓
Maximise "greening" of the airport by use of vegetation throughout the site	✓	✓	✓	✓	✓	✓	✓

It is evident from the case studies that greening and planting opportunities vary considerably according to a facilities' function (e.g. the safety considerations for bird strike when planning for vegetation within an airport), location (urban, rural, inland, by the sea etc.), climate (which in turn affects selection of plant species for planting but also the maintenance requirements), etc. The following text explores the applicability of each of the design objectives to the 3RS.

'Use of landscape to mitigate air, soil and water pollution'; 'Minimise adverse environmental impacts minimising, for example, manage water use and stormwater runoff; use of low impact development techniques'; 'Select planting species that doesn't attract wildlife, are characteristic of the local micro-climate and are economically feasible and cost-effective to maintain'; and 'Maximise "greening" of the airport by use of vegetation throughout the site' are relevant to all airports and therefore directly applicable to 3RS. In particular in Hong Kong where there are frequent typhoons and heavy rainy periods, the consideration of stormwater runoff and management of water use can be integrated into landscape design. Equally the Airport Authority have an approved planting list from which all planting species would need to be selected.

'Manage risk to operations from birdlife' is directly applicable. There is considerable birdlife in Hong Kong and this should be a key consideration when developing the landscape design and plant species.

The 'Landscape design and visual quality' elements listed in *Table 1.2* are all applicable to Hong Kong. In particular all airports should seek to create a welcoming gateway and for the landscape to enhance the airport's appearance and these elements of the objective are echoed in many of the documents reviewed. Given the constraint of land area for the 3RS how much area can be dedicated to providing opportunities for passive outdoor recreation will be more limited but must be developed with the context of Hong Kong standards.

'Conversion of airports into sites for urban agriculture, renewable energy and urban development to enhance environmental quality' is less directly relevant to 3RS given the land area constraint and lack of significant urban agriculture within Hong Kong. While this objective could be included for 3RS, it is not a key consideration and it is considered that other objectives have more direct relevance.

'Maximises internal landscapes within terminal buildings' is particularly relevant in Hong Kong and to the 3RS given the lack of outside space in general. Changi airport in Singapore has gone a long way to developing this objective, appropriately for a city state that aims to see itself as a 'city in a garden', vegetation is everywhere at the airport. 3RS equally could apply it directly to key buildings.

'Create a 'sense of place' by relating landscape design to the unique character of the city' is particularly relevant to Hong Kong and 3RS. Increasing thought is going into the experience that airports offer passengers and as part of this, airports are increasingly aiming to offer a distinctive experience, to make them 'of the place'.

1.5 *RECOMMENDED QUALITY CRITERIA & BROAD BRUSH TARGETS*

A key finding from the case study evaluation was that the landscape and visual designs at airports were developed without reference to a definitive and objective set of global quality criteria, broad-brush targets, or specific international standards. Instead they were developed through a detailed site analysis which established the site's context and existing landscape structures followed by a creative process which sought to exploit the context and structures and devise design solutions which expressed an aesthetic statement supporting the image of the airport's home city as well as fulfilling functional requirements. Within these no doubt local standards and requirements were adhered to but these are not explicitly expressed.

Recognizing there is a high degree of variation in quantified criteria as illustrated by the case of percentage green coverage and in the absence of a definitive and objective set of global quality criteria, broad-brush targets, or specific international standards for airport landscapes, the approach to fulfil the specific element of EP condition 2.18 addressed in this report has been to develop a qualitative set of international landscape design criteria based on the evaluation of the case studies. In addition a set of broad brush targets for greening and planting based largely on relevant local guidelines but recognising some of the targets in the case studies are set out.

In addition, the mitigation measures set out in the EIA with regard to landscape and visual impact will need to be taken into consideration for all Landscape Design works, as well as all relevant local requirements.

1.5.1 *Design Quality Criteria & Broad Brush Targets*

The proposed international design quality criteria and broad brush targets are indicated in *Table 1.3* below.

Table 1.3 Recommended Design Quality Criteria and Broad Brush Targets

#	Design Quality Criteria	Broad Brush Target
1	Create a 'sense of place' by relating the landscape design to the unique character of the site context in Hong Kong	*To be developed in conjunction with the landscape and detailed design of key 3RS buildings (e.g. TRC and T2 Expansion)* • Landscape themes will respond to the specific character and site context of each of the landscaped areas
2	Enhance the airport's appearance through an attractive and innovative landscape setting and the creation of a welcoming gateway on arrival and departure	• *To be developed in conjunction with the landscape and detailed design of key 3RS buildings (e.g. TRC and T2 Expansion)* Landscape themes will be coordinated across the different public exposure zones, with an emphasis on an exciting and attractive welcoming gateway to HKIA
3.	Maximise greening of external open space, including reclamation edge	• Target to achieve around 30% green coverage as far as practicable. Green coverage will include at grade greening, vertical greening, roof top greening, screen planting, indoor planting and airside turf planting.
4	Balance built form by connecting it to the external and surrounding landscape	*To be developed in conjunction with the landscape and detailed design of key 3RS buildings (e.g. TRC and T2 Expansion)* • Ensure interface areas between built form and the external spaces contain landscape hard and soft elements, unless otherwise justified • Integrate building and landscape design so that there is no abrupt boundary between the two environments
5	Maximise internal landscapes within building structures.	• Ensure consideration has been made to integrate greening (e.g. within planters, etc.) within key building structures, where feasible.
6	Minimise adverse impacts on the existing landscape and visual resources	• Compensate felled trees based on a target replacement ration of 1:1 • Requirement that 100% of disturbed areas (e.g. temporary works areas) shall be reinstated
7	Select planting species that are sustainable and do not attract wildlife, are characteristic of the local micro-climate and are economically feasible and cost-effective to maintain	• Ensure the planting species comply with the Airport's Approved Plant Species List • Reduce potable water use for landscaping to a practical, cost-effective minimum, beyond a 12-month establishment period

APPENDIX A

DOCUMENTS REVIEWED

A1. DOCUMENTS REVIEWED

The documents presented in the following table were reviewed as part of the current Report. These are comprised of variety of publically available landscape master plans of airports as well as other documentation including architectural award information and general guidelines concerning airport design and landscaping. These documents are relevant to the current Study, but not selected as case studies in particular as they largely reinforce landscape elements showcased by the selected case studies already.

Table A1.1 Information Sources Reviewed

Title	Link (where available)	Key Information
Ben Gurion International Airport, Lod, 2005 (Israel)	https://asla.org/awards/2005/05winners/068.html	The landscape area is divided into a large site of 65 acres which includes the Interchange and approach roads; and Courtyard-like central garden (5 acres) bounded on one end by the main entrance way and on opposing sides by the two large parking structures. Principles include: • Relate to the agricultural landscape of the surroundings: - Traditional citrus groves and agricultural fields. Done by planting new citrus groves on a massive scale (4,500 grapefruit and orange trees) in rows on a grid with no groundcover and plowed annually. - Sculpt areas between adjacent roads and ramps by moving quantities of soil, to create a continuous ground surface in spite of the complex topography • Low maintenance Landscape • Vegetation to suit the climate of the area. ie low water consumption was necessary at this location • Use of water in a traditional Mediterranean way, running in narrow channels with short falls. • Local materials – limestone used in both the paving and the walls with different dressing types for specific effects • Collaboration with local authorities - Forestry Commission provided early-stage management assistance with thinning, control of white-tailed deer and other nuisance species, nutrient and irrigation programmes - Working with local partners to plan and establish an non-profit organization to maintain mature trees. Local farmers maintain the newly planted citrus groves in exchange for fruit
Jandakot Airport Landscape Design Guidelines, 2013 V2 (Western Australia)	http://www.jandakotairport.com.au/images/files/Environment/Jandakot%20Airport%20Landscape%20Design%20Guidelines.pdf	Simple guidelines providing key plant lists to ensure they are indigenous to the area, native to Australia and some approved non-native water-wise plants. Landscaping areas are separated into Streetscapes, Verges, Building Setbacks, and Special Consideration for Leases Adjoining Air movement Areas.
Suvarnabhumi Airport, (Thailand)	http://www.archdaily.com/772509/passenger-terminal-complex-suvarnabhumi-airport-jahn	The focus of design for this airport has been on hardscape features such as careful shading of structures by trellises and provision of a low-energy building, maximizing the use of natural light.

Title	Link (where available)	Key Information
Design Manual for Washington Dulles International Airport – Airport Design Standards and Signing Guidelines, 2010 (USA)	http://www.mwaa.com/sites/default/files/archive/mwaa.com/file/IADVol12010.pdf	Landscape Guidelines within this Design Manual focus on facilitating the following key features: 1. Design of Plantings: Design of plantings within developed landside areas. 2. Preservation and Promotion: Preservation and promotion of the health, safety, and general welfare of the public and employees. 3. Convenient, Attractive and Harmonious; Creation of a convenient, attractive, and harmonious landside airport campus. 4. Preservation and Enhancement: Preservation and enhancement of the Saarinen-Kiley historic Main Terminal environs. 5. **Conservation of Natural Resources:** Conservation of natural resources including adequate air and water quality and the **appropriate use of land**. 6. Reduction of Harmful Effects: Result in the reduction of the harmful effects of wind and air turbulence, heat and noise, and the glare of motor vehicle lights. 7. Preserve Underground Water Resources: Preserve underground water resources and permit the return of precipitation to the ground water strata. 8. Drainage: Act as a natural drainage system and ameliorate storm water drainage problems. 9. Carbon Dioxide: Reduce the level of carbon dioxide and return pure oxygen to the atmosphere. 10. Soil Erosion: Prevent soil erosion. 11. Shade: Provide shade.
Pitking County Airport Landscape Master Plan, Aspen, Colorado, 2009 (USA)	https://aspenairport.com/sites/default/files/Pitkin%20County%20Airport%20Landscape%20Master%20Plan.pdf	

Title	Link (where available)	Key Information
Aviation Landscape and Sustainable Design Criteria, Engineering Department, Port Authority of NY & NJ, 2011 (USA)	https://santabarbaraca.gov/sites/default/files/documents/Services/Design%20Guidelines/Airport%20Design%20Guidelines.pdf	The goal of the guidelines is (1) energy conservation and efficiency; (2) conservation of water and other natural resources; (3) waste reduction; and (4) healthy indoor environments. Breaks landscaped areas into five key areas: (a) Building Sites; (b) Primary Entrance/ Exit; (c) Roadways; (d) Secondary Roadways; (e) Airside; and (f) Tenanted spaces. It also stipulates that landscape design least likely to attract birds should have the following qualities: 1. Avoid plant material and design features that provide birds with a source of FOOD, WATER, COVER and SPATIAL DOMAIN. 2. Canopy trees should be planted in linear rows, **canopies spaced 15-20 feet apart at maturity. (Adjacent canopies should never be touching)** 3. Shrubs and small trees should be used moderately and not be planted under or directly adjacent to canopy trees. (Avoid creating eco-diversity) 4. Shrub beds should be small in size and discontinuous. 5. Flowering ornamental trees should be limited in quantity. 6. Groundcover should be well manicured, healthy, dense, moderately tall lawn, a fruitless low growing groundcover, gravel or bark mulch. 7. All plants should be planted at the same size and time.
Greenville Spartanburn (GSP) International Airport Landscape Master Plan, South California 2016 (USA)	https://gspairport.com/wp-content/uploads/2021/03/Landscape-Final-Document.pdf	Separates the GSP into distinct areas ie Terminal Approach; Terminal Mall; Terminal Drop off; and Airside Garden and is working to improve landscape including tree replacement to diversify away from a historic monoculture on the campus with two main species; improving roads with an effort to plant and maintain a mature tree canopy over the roadways and parking areas, enhance campus greening. There are no specific quantified goals however with the exception of: - a mixture of colours and heights shall be used, and turf relief areas mixed into the plan at a 50% ratio. - automatic irrigation system providing 100% coverage of maintaining lawn and landscape areas in healthy condition. Water conserving systems are encouraged

Title	Link (where available)	Key Information
Architectural and Urban Design Guidelines for the Airport, Santa Barbara City Council, California 1998 (USA)		Includes Area-wide Guidelines for A. New Development; B. Historic Buildings; and C. Landscaping. For Landscaping these include: 1. Landscaping shall serve as a significant unifying element. 2. Major entry announcements at the Airline Terminal and along Hollister Avenue should be achieved with skyline trees. Landscaping should be used to complement the entrance to the Airport, both in the immediate area of the Airline Terminal and along James Fowler Road and William Moffett Place. Landscaping and tree heights may be restricted within the Airport Approach Zones. 3. Landscaping should be generally formal, compatible with existing on-site landscape and the neighborhood and complement the project's design and architecture. 4. Landscaping shall be simple and accent the walls as a sculptural element or color accent. 5. To the maximum extent feasible, storage, utility and parking areas shall be screened with fences, solid walls or landscaping along public rights-of-way. 6. Use landscaping in parking areas and along roadways to mitigate building mass from adjacent access roads. 7. Parking areas should incorporate canopy trees. However, tree height must not conflict with parking lot lighting or Federal Aviation Regulations. 8. The pedestrian environment shall be enhanced with suitable ground cover and low to medium shrubs. 9. All new landscaping shall be of the drought tolerant, low water using and low maintenance type with an emphasis on California native plant materials; irrigation systems are encouraged where appropriate. This requirement may be altered to the degree necessary for use of reclaimed water. 10. A buffer strip, a minimum of 100 feet in width, shall be maintained in a natural condition on the periphery of all wetland communities and creeks. Native vegetation shall be planted and maintained in this setback wherever feasible. 11. Promote a pedestrian friendly atmosphere by providing landscaping and pedestrian connections to surrounding areas, where appropriate.

Title	Link (where available)	Key Information
Logan International, Boston (USA)	https://www.hok.com/projects/view/boston-logan-international-airport-terminal-a/	In 2006 this airport became the first US airport to receive LEED certification, largely due to a major overhaul if one of its terminals (Terminal A). The primary focus for achieving LEED certification, however, was not focused on landscaping but rather on a roofing membrane feature, paving designed to reflect heat from the building, special storm water filtration devices removing suspended solids and total phosphorous from runways and a daylight strategy balancing drawing natural light and preventing glare. More recently (2015) the airport has drawn up a Sustainability Management Plan but again this has limited focus on landscape. Goals and KPIs are separated into ten categories (Energy and Greenhouse Gas Emissions; Water Conservation; Community, Employee and Passenger Well-being; Materials, Waste Management, and Recycling; Resiliency; Noise Abatement; Air Quality Improvement; Ground Access and Connectivity; **Natural Resources**; and Water Quality/Stormwater. KPIs related to landscaping include - Water Conservation: 'reduce landscaping water use by 10% by 2016' - Natural Resources: 'None'. The report simply states that mitigation must be implemented as per project requirements and the quality of nearby natural resource areas maintained/ expanded. In addition, with regards to Community, Employee and Passenger Well-being, a landscaped waterfront park well-suited for picnics, walks and scenic views of the harbor have been developed as well as a features playground, large open lawns and a community garden, but goals related to these features are not directly linked to greening or landscaping and rather focus on employee engagement/ retention/ hire and contribution to local economy.
NEWS: A tender has been floated for soft landscaping at the Abu Dhabi Midfield Terminal Building, 2015 (Abu Dhabi)		Soft landscaping is to be integrated with primary and secondary road infrastructure servicing for all Midfield Terminal Complex (MTC) operations ie part of the greater MTC development.

Title	Link (where available)	Key Information
Chicago Dep. of Aviation *Sustainable Airport Manual* including *Section 02905 Sustainable Airport Landscaping* (USA)		The Sustainable Airport Manual (SAM) has been created by the Chicago Department of Aviation (CDA) to incorporate and track sustainability in administrative procedures, planning, design and construction, operations and maintenance, and concessions and tenants with minimal impact to project schedules or budgets. The SAM not only guides the implementation of sustainability initiatives at O'Hare and Midway International Airports, but is reportedly used by several other airports around the world. Generally the SAM has thresholds and guidance that focus on: Site Selection; Stormwater; Reduction of Heat Islands, roof and non-roof; Water Efficiency; Energy Efficiency, Equipment and Appliances; Generation and/or Integration of Renewable Energy; Green Power; Materials and Resources; Waste Management and Recycling; Recycled content of materials; Use of Local/Regional Materials; and Alternative Fuels/Vehicles. ie Landscaping is not explicitly included but the thresholds for some areas are relevant. Within 'Reduction of Heat Islands' examples include green roofs, green walls and minimizing paved surfaces. Within 'Water Efficiency' the use of native, drought tolerant landscaping to minimize maintenance and irrigation needs is recognized in helping to achieve the reducing of potable water resources by 40%. The *Sustainable Airport Landscaping* section of the SAM is prepared as a general guideline and is not for a Specific Project. It defines landside areas as including 'all public and private roadways and buildings that are not within the Aircraft Operation Area (AOA) which is delineated by the perimeter security fence'. Sustainable design categories are focused around Construction Activity Pollution Prevention; Stormwater Design; Landscape & Exterior Design to Reduce Heat Islands (Non-Roof and Roof); Water Efficient Landscaping; and Innovation in Design/Construction. Landscaping criteria within the document are centered around ensuring plants are (1) native and (2) do not attract birds and/or mammals where relevant; (3) tolerate dry soil conditions and (4) are low-maintenance particularly in areas where aesthetics will play a larger role such as terminals, roadway approaches to the Airport, occupied buildings/ facilities and other areas of high visibility to the public. In addition guidance is provided regarding where trees can be planted (ie not within the Aircraft Operation Area), minimum plant spacing and maximum heights (no greater than 6 feet tall) and buffer distances to active runway or taxiways. (not within 600') Acceptable landscape elements for use include but are not limited to: Landscaped earthen berms or terraced flower beds; Raised planters, planter boxes, and containers; Hanging baskets; Free-standing trellises less than six feet above grade; Decorative stones or pavers; Benches and seating areas; Vine-covered retaining or free-standing walls less than four feet above grade; Ornamental fences.

Title	Link (where available)	Key Information
Transport Canada –TP 13549 - Sharing the Skies, Ch8 Solutions-Airport & Surroundings, 2010 (Canada)		With regards to the overlap of landscaping and safety concerns around bird strike and other wildlife, this document notes "It is the policy of Transport Canada to regard all wildlife on airports as potential hazards to airport and aircraft safety, and to site, construct, maintain, and operate the airport and its facilities in a manner that will minimize these hazards". A number of points are noted: • Effective programs encompass the entire airport, including buildings and structures but focus on aircraft-movement areas and approach and departure paths regardless of an airport's size. • Passive measures concerning wildlife including control of airport features that attract wildlife ie set out to reduce availability of food, water and shelter to ensure facilities are least attractive to wildlife. Examples measures include: - remove tree stand to eliminate roosting or nesting sites for birds etc.; - ensure adequate drainage to ensure no standing water areas; - increase slope of banks to eliminate shelter areas. • Suitable maintenance to ensure new habitat remains unattractive to problem species for an extended period of time. There is some debate around maintenance of grass – some suggest keep short to reduce loafing and feeding, others suggest long grass make it more difficult for birds to find food such as insects and reduces their visual contact with surrounding environments to inhibit their ability to detect predators. • Active measures including scaring and harassing wildlife to disperse.

APPENDIX B

FURTHER DETAILS OF INTERNATIONAL & LOCAL STANDARDS REFERENCED

B1. STANDARDS REFERENCED

Further details of international and local standards referenced in the main report are provided in this Appendix.

1.1 LEED

This is the accreditation scheme of the US Green Buildings Council (USGBC) and was developed to address all buildings everywhere, regardless of where they are in their life cycle. While it was developed by USGBC, it is used internationally with over 40 green building councils forming the LEED International Roundtable, an advisory group looking to supporting USGBC in advancing LEED worldwide and including Hong Kong and China (represented by a not-for profit organization 'Platinum'), Korea and India amongst others.

LEED has assessment tools focused on: Building Design and Construction; Operations and Maintenance; Interior Design and Construction; and Neighbourhood Development with specifications according to building type within those, but nothing specifically for Airports. Most relevant to greening and planting are some for the assessment criteria within 'LEED for Building Design and Construction' and 'LEED for Neighbourhood Development'.

1.1.1 LEED for Building Design and Construction

LEED for Building Design and Construction includes:

- **Water Efficiency: Outdoor Water Use Reduction** requires certain projects to reduce their landscape water requirement by at least 30% from the calculated baseline for the site's peak watering month. Reductions must be achieved through plant species selection and irrigation system efficiency, as calculated by the Environmental Protection Agency (EPA)'s Water Sense Water Budget Tool. Points are earnt as follows:

  - 2 points (1 point if healthcare), where no irrigation is required by showing the landscape does not require a permanent irrigation system beyond a maximum two-year establishment period;

  - 1-2 points (1 point if healthcare) if reducing a Project's landscape water requirements by at least 50% from the calculated baseline for the site's peak watering month (30% for Neighbourhood Development).

- **Sustainable Sites, Heat Island Effect (Roof and non-roof)** requires certain projects to minimize effects on microclimates and human and wildlife habitats by reducing heat islands and this can include provision of a vegetation roof, use of existing plant material or installation of plants to provide shade over paving areas (install vegetated planter) on the site within 10 years of planting. No specific criteria are provided as to the minimum area required etc. however.

1.1.2 *LEED for Neighbourhood Development*

LEED for Neighbourhood Development includes provision for minimum garden space by project density as detailed in *Table B1.1* and some quantitative measures for tree planting as detailed below.

Table B1.1 Minimum garden space, by Project density

Project Density (DU/hectare)	Growing Space (sq. meters/ DU)
> 17.5 and ≤ 35	18.5
> 35 and ≤ 55	9
> 55 and ≤ 69	7.5
> 69 and ≤ 87	6.5
> 87	5.5

- 1 point for tree-lined blocks where trees are provided at intervals of no more than 12m (exempting driveways) along at least 60% of the total existing and planned block length within the Project

- 1 point for provision of shade from trees or permanent structures over at least 40% of the total length of existing and planned sidewalks within or bordering the Project. Trees must provide shade within 10 years of landscape installation.

1.2 *CEEQUAL*

CEEQUAL is an UK accreditation scheme originally named '*Civil Engineering Environmental Quality Assessments and Awards Scheme*' but more recently updated to *'Sustainability Assessment, Rating and Awards Scheme for Civil Engineering, Infrastructure, Landscaping and Public Realm*[(1)] *Works*'. CEEQUAL-trained Assessors use this self-assessment process to assess projects or contracts and there is an International Manual for projects anywhere in the world. CEEQUAL has been used in UK, Hong Kong and Sweden and was also recently in talks with Malaysia's Sustainable Construction Excellence Centre (MAMPAN), a division of the Construction Research Institute of Malaysia (CREAM).

CEEQUAL includes nine sections in the Assessment Manuals covering: Project Strategy; Project Management; People and Communities; **Land Use and Landscape;** the Historic Environment; Ecology and Biodiversity; Water Environment (fresh and marine); Physical Resources Use and Management; and Transport. Within the Land Use and Landscape, relevant considerations that can earn credits are:

- whether the landscape proposals go beyond the aims of applicable landscape development or enhancement policies published by the relevant local, regional or national authority.

(1) 'Public Realm' is a term used to describe the spaces between buildings in built-up areas, where works on roadways and footways, pedestrianised areas, hard and soft landscaping and open spaces is undertaken

- what percentage of vegetation (of any kind) of high or moderate quality has been retained as part of the design. If retention is under 25% there is no credit given while 25-50% is the minimum scoring, with increments at 50-75%, 75-90% and 100%;

- whether planting design has taken the appropriateness of species selection into account to include factors such as climate adaptation, local provenance and soil stability;

- whether a long-term management plan is in place that defines long-term landscape objectives, established recommendations for work required to ensure those objectives are achieved and sets a programme for ongoing monitoring and review to assess the effectiveness.

Other than the first point, no quantitative criteria are suggested. Other considerations that are also not quantified include:

- whether there is evidence that landscape and visual factors have been considered by a suitably qualified landscape professional at each stage of the Project.

- whether there is evidence that the project design fits the local landscape character in terms of landform/ levels' materials; planting; style and detailing; scale; and landscape or townscape pattern;

- whether the impact of the development on the landscape character of the areas has been assessed, if the Project is located in an area of acknowledged and/or protected high amenity value for its landscape,. Coastal or townscape character;

- whether a system or plan was implemented during construction to ensure: commitments were implemented, beset practice applied for planting or habitat areas to avoid damage to landscape features, and soil conditions met the requirements for successful establishment of the landscape design.

1.3 BEAM PLUS

BEAM Plus is an accreditation scheme which has been set up by the Hong Kong Green Building Council Limited (HKGBC), a non-profit, member-led organisation established in 2009. Since 2012 HKGBC has been an Established Member (highest level of membership) of the global network organised by the World Green Building Council (WorldGBC) and joined the WorldGBC Directorship from July 2013 to June 2016. HKGBC strives to promote the standards and development of sustainable buildings in Hong Kong and develop practical solutions for Hong Kong's unique, subtropical built environment of high-rise, high density urban area.

HKGBC has developed various Building Environmental Assessment Methods (BEAM) to undertake assessments and covers the demolition, planning, design, construction and commissioning of a new building project and can also be applied to major renovations, alterations and additions. Overall it seeks to reduce the environmental

impacts of a new building while also improving environmental quality and user satisfaction. Assessment Aspects include: Community Aspects (CA); Site Aspects (SA); Green Building Attributes (GBA); Management (MAN); Materials and Waste Aspects (MWA); Energy Use (EU); Water Use (WU); Indoor/Outdoor Environmental Quality (IEQ/OEQ) and Innovations and Additions (IA). Assessment criteria relevant to landscape and greening are included within SA categories of BEAM Plus *New Buildings* (although this is regarding residential buildings), with provisions around green and open space (which may be partly be used for greening), in *Neighbourhoods*.

BEAM Plus – New Buildings v1.2 – SA7 Landscaping and Planters

For residential premises with site area larger than 1,000 m^2, it is required to demonstrate compliance with appropriate planting on site equivalent to at least 20% of the site area.

- 1 credit is awarded for providing appropriate planting on site equivalent to at least 30% of the site area.
- 2 credits are awarded for providing appropriate planting on site equivalent to at least 40% of the site area.
- 1 credit point is awarded for using previous materials for a minimum of 50% of hardscaped areas.

BEAM Plus – Neighbourhoods v1 - SA2 – Accessibility to Open Space, Greenspace and Blue Assets:

- 1 credit point is awarded where the two conditions are met:
  - (i) the total aggregate area of Open Space, natural woodland, shrub land, grassland, wetland and water bodies within the Assessment Area (Site Area and Impact Area combined) exceeds 5% of the Assessment Area; and
  - (ii) There is a pedestrian access not exceeding 500m walking distance that connects the above spaces to a notional entrance of any major occupied building within the site.
- 1 credit point is awarded where the two conditions are met:
  - (i) the site provided a total aggregate area of Open Space, Green Space and blue assets exceeding 5% of the Assessment Area; and
  - (ii) The Open Space, Green Space and blue assets provide a reasonable access by the public
- 1 credit point is awarded where:
  - (i) Open Space, Green Space and blue assets within the Site exceeds 5% of the Site Area; and

- (ii) At least one shaded or covered pedestrian route to Open Space, Green Space and blue assets is provided within the Site.

A number of credit points are also associated with ecological value and may be linked to landscape strategy but are not directly relevant to greening for landscape and visual purposes.

BEAM does allow for refinement of criteria according to specific conditions and none of these credits are geared towards aviation facilities and for 3RS, as certain types of landscaping and greenery provide food or shelter that attract birds in the aerodrome and may increase the risk of bird hazard, it is considered that the scale of soft landscaping would need to be controlled for safety reasons and the percentage thresholds listed above for credit requirements may need to be reduced. To maximize the provision of greenery, however, internal landscapes could be provided where possible, to improve the indoor environmental quality and visual benefit of occupants within 3RS.

ANNEX C

Trees Assessment Schedule

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T01	3302	811275.297	818150.991	王棕	*Roystonea regia*	330	3	11	RETAIN	RETAIN
T02	3302	811264.902	818147.829	鳳凰木	*Delonix regia*	310	7	10	FELL	FELL
T03	3302	811263.970	818145.696	王棕	*Roystonea regia*	340	3	8	RETAIN	RETAIN
T04	3302	811197.022	818119.301	木棉	*Bombax ceiba*	400	7	8	RETAIN	RETAIN
T05	3302	811170.337	818121.173	大葉合歡	*Albizia lebbeck*	354	7	8	FELL	FELL
T06	3302	811162.015	818120.276	楝	*Melia azedarach*	350	10	10	FELL	FELL
T07	3302	811156.704	818109.776	銀海棗	*Phoenix sylvestris*	360	7	12	RETAIN	RETAIN
T08	3302	811157.985	818104.865	榕樹	*Ficus microcarpa*	350	10	8	RETAIN	RETAIN
T09	3302	811154.973	818114.253	雞蛋花	*Plumeria rubra*	191	4	3.5	RETAIN	RETAIN
T10	3302	811154.739	818117.318	垂葉榕	*Ficus benjamina*	450	5	5.5	RETAIN	RETAIN
T11	3302	811162.660	818130.209	火焰木	*Spathodea campanulata*	370	6	10	RETAIN	RETAIN
T12	3302	811167.380	818133.426	蒲葵	*Livistona chinensis*	300	4	11	RETAIN	RETAIN
T2834	3501	811564.826	819989.263	銀樺	*Grevillea robusta*	95	2	4	FELL	FELL
T2840	3501	811583.814	820019.745	銀樺	*Grevillea robusta*	135	4	7	FELL	FELL
T2841	3501	811581.424	820017.802	銀樺	*Grevillea robusta*	135	3	6	FELL	FELL
T2842	3501	811579.389	820013.517	銀樺	*Grevillea robusta*	160	4	6	FELL	FELL
T2843	3501	811570.203	820021.011	銀樺	*Grevillea robusta*	125	3	6	FELL	FELL
T2844	3501	811569.526	820018.664	銀樺	*Grevillea robusta*	110	3	6	FELL	FELL
T2845	3501	811566.205	820014.999	銀樺	*Grevillea robusta*	170	4	6	FELL	FELL
T2846	3501	811560.860	820016.716	銀樺	*Grevillea robusta*	165	4	8	FELL	FELL
T2847	3501	811557.684	820018.792	銀樺	*Grevillea robusta*	160	4	7	FELL	FELL
T2848	3501	811557.945	820015.551	銀樺	*Grevillea robusta*	150	4	7	FELL	FELL
T2849	3501	811553.484	820017.694	銀樺	*Grevillea robusta*	95	3	6	FELL	FELL
T2850	3501	811552.831	820014.626	銀樺	*Grevillea robusta*	105	3	5	FELL	FELL
T2851	3501	811553.571	820012.506	紅膠木	*Lophostemon confertus*	150	4	6	FELL	FELL
T2852	3501	811550.004	820027.267	苦楝	*Melia azedarach*	275	8	9	FELL	FELL
T2853	3501	811550.004	820028.299	苦楝	*Melia azedarach*	210	3	7	FELL	FELL
T2854	3501	811545.157	820031.346	苦楝	*Melia azedarach*	470	10	9	FELL	FELL
T2855	3501	811544.552	820031.723	苦楝	*Melia azedarach*	230	6	9	FELL	FELL
T2856	3501	811541.734	820025.226	耳果相思	*Acacia auriculiformis*	230	8	9	FELL	FELL
T2857	3501	811533.586	820023.626	*洋紫荊*	*Bauhinia x blakeana*	175	4	5	FELL	FELL
T2858	3501	811544.246	820017.027	*銀樺*	*Grevillea robusta*	155	3	4	FELL	FELL
T2859	3501	811544.739	820005.874	銀樺	*Grevillea robusta*	105	3	6	FELL	FELL
T2860	3501	811544.339	820002.513	銀樺	*Grevillea robusta*	95	3	6	FELL	FELL
T2861	3501	811536.815	820015.382	銀樺	*Grevillea robusta*	120	2	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T2862	3501	811535.419	820012.965	銀樺	*Grevillea robusta*	110	2	5	FELL	FELL
T2863	3501	811535.788	820009.776	銀樺	*Grevillea robusta*	125	3	5	FELL	FELL
T2864	3501	811532.010	820006.746	銀樺	*Grevillea robusta*	150	4	7	FELL	FELL
T2865	3501	811512.828	820010.789	垂葉榕	*Ficus benjamina*	185	4	7	FELL	FELL
T2866	3501	811515.806	819996.902	*紅膠木*	*Lophostemon confertus*	225	4	6	FELL	FELL
T2867	3501	811508.914	819997.550	垂葉榕	*Ficus benjamina*	160	4	5	FELL	FELL
T2868	3501	811507.267	820000.659	垂葉榕	*Ficus benjamina*	160	4	5	FELL	FELL
T2869	3501	811513.026	819988.862	銀樺	*Grevillea robusta*	155	3	8	FELL	FELL
T2870	3501	811506.500	819991.396	垂葉榕	*Ficus benjamina*	150	4	7	FELL	FELL
T2871	3501	811504.880	819988.678	垂葉榕	*Ficus benjamina*	180	4	7	FELL	FELL
T2872	3501	811502.769	819988.202	垂葉榕	*Ficus benjamina*	180	4	7	FELL	FELL
T2873	3501	811500.947	819985.060	垂葉榕	*Ficus benjamina*	200	4	7	FELL	FELL
T2874	3501	811504.630	819985.165	垂葉榕	*Ficus benjamina*	165	4	7	FELL	FELL
T2875	3501	811503.555	819982.468	垂葉榕	*Ficus benjamina*	210	4	7	FELL	FELL
T2876	3501	811499.728	819980.100	垂葉榕	*Ficus benjamina*	190	4	7	FELL	FELL
T2877	3501	811499.980	819976.821	垂葉榕	*Ficus benjamina*	215	6	7	FELL	FELL
T2878	3501	811503.184	819978.072	垂葉榕	*Ficus benjamina*	205	6	7	FELL	FELL
T2879	3501	811503.642	819974.334	垂葉榕	*Ficus benjamina*	215	6	7	FELL	FELL
T2880	3501	811499.977	819973.587	垂葉榕	*Ficus benjamina*	160	4	7	FELL	FELL
T2881	3501	811502.953	819970.909	垂葉榕	*Ficus benjamina*	220	5	7	FELL	FELL
T2882	3501	811501.449	819968.218	垂葉榕	*Ficus benjamina*	240	7	7	FELL	FELL
T2885	3501	811524.395	819959.493	銀樺	*Grevillea robusta*	125	3	6	FELL	FELL
T2886	3501	811519.066	819956.518	*銀樺*	*Grevillea robusta*	100	3	6	FELL	FELL
T2887	3501	811514.400	819956.820	垂葉榕	*Ficus benjamina*	165	3	6	FELL	FELL
T2888	3501	811515.122	819948.868	垂葉榕	*Ficus benjamina*	250	6	7	FELL	FELL
T2889	3501	811518.986	819948.249	垂葉榕	*Ficus benjamina*	190	4	7	FELL	FELL
T2890	3501	811526.581	819949.787	垂葉榕	*Ficus benjamina*	230	5	7	FELL	FELL
T2891	3501	811527.204	819941.173	垂葉榕	*Ficus benjamina*	230	4	6	FELL	FELL
T199	3503	811874.968	819780.9829	耳果相思	*Acacia auriculiformis*	293	7	10	FELL	FELL
T200	3503	811867.316	819782.114	苦楝	*Melia azedarach*	143	6	8	FELL	FELL
T245	3503	811846.55	819771.2276	垂葉榕	*Ficus benjamina*	156	3	5	FELL	FELL
T246	3503	811845.317	819768.2582	垂葉榕	*Ficus benjamina*	172	4	6	FELL	FELL
T247	3503	811848.218	819767.3812	垂葉榕	*Ficus benjamina*	210	5	7	FELL	FELL
T248	3503	811847.577	819764.0966	垂葉榕	*Ficus benjamina*	172	4	7	FELL	FELL
T249	3503	811849.773	819763.4818	垂葉榕	*Ficus benjamina*	191	4	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T250	3503	811851.512	819759.3679	垂葉榕	*Ficus benjamina*	200	5	7	FELL	FELL
T251	3503	811850.533	819756.9545	垂葉榕	*Ficus benjamina*	140	5	7	FELL	FELL
T252	3503	811853.033	819755.9432	垂葉榕	*Ficus benjamina*	225	4	7	FELL	FELL
T253	3503	811852.099	819753.5101	垂葉榕	*Ficus benjamina*	145	3	6	FELL	FELL
T254	3503	811854.535	819752.1039	垂葉榕	*Ficus benjamina*	135	4	7	FELL	FELL
T255	3503	811853.817	819749.7097	垂葉榕	*Ficus benjamina*	190	4	7	FELL	FELL
T256	3503	811856.101	819748.5197	垂葉榕	*Ficus benjamina*	165	4	6	FELL	FELL
T257	3503	811855.117	819745.8945	垂葉榕	*Ficus benjamina*	160	4	7	FELL	FELL
T258	3503	811857.419	819744.8442	垂葉榕	*Ficus benjamina*	230	5	7	FELL	FELL
T259	3503	811856.692	819742.2958	垂葉榕	*Ficus benjamina*	170	5	7	FELL	FELL
T260	3503	811859.411	819741.1989	垂葉榕	*Ficus benjamina*	165	4	7	FELL	FELL
T261	3503	811858.193	819738.821	垂葉榕	*Ficus benjamina*	145	4	7	FELL	FELL
T262	3503	811860.892	819737.4109	垂葉榕	*Ficus benjamina*	160	4	7	FELL	FELL
T263	3503	811859.765	819734.9073	垂葉榕	*Ficus benjamina*	200	5	8	FELL	FELL
T264	3503	811862.333	819733.8653	垂葉榕	*Ficus benjamina*	245	5	8	FELL	FELL
T265	3503	811861.313	819731.1781	垂葉榕	*Ficus benjamina*	220	6	8	FELL	FELL
T266	3503	811863.715	819730.2974	垂葉榕	*Ficus benjamina*	145	4	7	FELL	FELL
T267	3503	811863.011	819727.6284	垂葉榕	*Ficus benjamina*	180	4	8	FELL	FELL
T268	3503	811865.348	819726.4652	垂葉榕	*Ficus benjamina*	200	6	8	FELL	FELL
T269	3503	811864.815	819723.7498	垂葉榕	*Ficus benjamina*	220	6	9	FELL	FELL
T2718	3503	811737.312	819724.557	垂葉榕	*Ficus benjamina*	180	5	7	FELL	FELL
T2719	3503	811736.089	819729.7665	垂葉榕	*Ficus benjamina*	135	4	5	FELL	FELL
T272	3503	811869.808	819712.8991	垂葉榕	*Ficus benjamina*	180	4	7	FELL	FELL
T2720	3503	811733.953	819732.6672	垂葉榕	*Ficus benjamina*	135	3	6	FELL	FELL
T2721	3503	811731.009	819741.1771	垂葉榕	*Ficus benjamina*	125	3	5	FELL	FELL
T2722	3503	811729.083	819747.1919	垂葉榕	*Ficus benjamina*	145	3	5	FELL	FELL
T2723	3503	811727.49	819750.7511	垂葉榕	*Ficus benjamina*	110	3	5	FELL	FELL
T2724	3503	811725.415	819756.9635	垂葉榕	*Ficus benjamina*	120	3	5	FELL	FELL
T2725	3503	811717.544	819780.6435	垂葉榕	*Ficus benjamina*	150	4	6	FELL	FELL
T2726	3503	811716.126	819783.8559	垂葉榕	*Ficus benjamina*	140	3	6	FELL	FELL
T2727	3503	811701.128	819827.63	垂葉榕	*Ficus benjamina*	220	5	7	FELL	FELL
T2728	3503	811699.265	819833.2894	垂葉榕	*Ficus benjamina*	170	3	6	FELL	FELL
T2729	3503	811698.067	819836.5809	垂葉榕	*Ficus benjamina*	165	3	6	FELL	FELL
T273	3503	811871.533	819709.1063	垂葉榕	*Ficus benjamina*	180	4	7	FELL	FELL
T2730	3503	811696.541	819840.9023	垂葉榕	*Ficus benjamina*	170	3	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T2731	3503	811695.663	819844.0416	垂葉榕	*Ficus benjamina*	135	3	5	FELL	FELL
T2732	3503	811694.587	819847.0217	垂葉榕	*Ficus benjamina*	190	4	6	FELL	FELL
T2734	3503	811692.321	819853.8894	垂葉榕	*Ficus benjamina*	180	3	6	FELL	FELL
T2735	3503	811691.183	819856.653	垂葉榕	*Ficus benjamina*	180	3	7	FELL	FELL
T2737	3503	811671.279	819863.96	垂葉榕	*Ficus benjamina*	170	4	6	FELL	FELL
T2738	3503	811667.514	819865.5985	垂葉榕	*Ficus benjamina*	180	4	6	FELL	FELL
T2739	3503	811664.225	819864.8028	垂葉榕	*Ficus benjamina*	125	3	6	FELL	FELL
T2740	3503	811665.626	819861.8557	垂葉榕	*Ficus benjamina*	180	4	6	FELL	FELL
T2741	3503	811666.468	819896.7604	黃槿	*Hibiscus tiliaceus*	265	8	8	FELL	FELL
T2742	3503	811663.587	819899.6396	黃槿	*Hibiscus tiliaceus*	155	7	7	FELL	FELL
T2743	3503	811662.92	819902.2067	黃槿	*Hibiscus tiliaceus*	140	6	6	FELL	FELL
T2744	3503	811661.543	819905.3429	黃槿	*Hibiscus tiliaceus*	190	7	6	FELL	FELL
T2745	3503	811660.523	819908.1113	黃槿	*Hibiscus tiliaceus*	125	6	6	FELL	FELL
T2746	3503	811659.562	819911.0754	黃槿	*Hibiscus tiliaceus*	150	6	6	FELL	FELL
T2747	3503	811659.068	819913.1558	黃槿	*Hibiscus tiliaceus*	150	6	6	FELL	FELL
T2748	3503	811658.312	819915.7848	黃槿	*Hibiscus tiliaceus*	155	7	5	FELL	FELL
T2749	3503	811657.358	819918.9308	黃槿	*Hibiscus tiliaceus*	295	8	7	FELL	FELL
T275	3503	811874.788	819701.2678	垂葉榕	*Ficus benjamina*	216	6	8	FELL	FELL
T2750	3503	811655.159	819934.2419	垂葉榕	*Ficus benjamina*	170	4	6	FELL	FELL
T2751	3503	811660.281	819936.2932	垂葉榕	*Ficus benjamina*	250	6	7	FELL	FELL
T2752	3503	811676.098	819912.2405	黃槿	*Hibiscus tiliaceus*	285	8	8	FELL	FELL
T2753	3503	811674.87	819915.7525	黃槿	*Hibiscus tiliaceus*	245	7	8	FELL	FELL
T2754	3503	811673.028	819926.0714	黃槿	*Hibiscus tiliaceus*	240	7	7	FELL	FELL
T2755	3503	811675.805	819928.1589	黃槿	*Hibiscus tiliaceus*	215	6	7	FELL	FELL
T2756	3503	811677.601	819932.0019	黃槿	*Hibiscus tiliaceus*	195	5	6	FELL	FELL
T2757	3503	811680.775	819933.2527	黃槿	*Hibiscus tiliaceus*	210	5	7	FELL	FELL
T2758	3503	811684.285	819934.2151	黃槿	*Hibiscus tiliaceus*	230	7	8	FELL	FELL
T2759	3503	811689.345	819936.2824	黃槿	*Hibiscus tiliaceus*	315	8	8	FELL	FELL
T276	3503	811876.569	819697.608	垂葉榕	*Ficus benjamina*	185	4	7	FELL	FELL
T2760	3503	811679.433	819944.6381	垂葉榕	*Ficus benjamina*	190	5	7	FELL	FELL
T2761	3503	811689.029	819947.8907	垂葉榕	*Ficus benjamina*	230	6	8	FELL	FELL
T2762	3503	811707.446	819941.5871	黃槿	*Hibiscus tiliaceus*	300	7	8	FELL	FELL
T2764	3503	811718.032	819944.6888	黃槿	*Hibiscus tiliaceus*	215	6	6	FELL	FELL
T2765	3503	811723.896	819944.8007	黃槿	*Hibiscus tiliaceus*	170	5	6	FELL	FELL
T2766	3503	811726.02	819941.1453	黃槿	*Hibiscus tiliaceus*	190	6	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T2767	3503	811728.614	819942.1798	黃槿	*Hibiscus tiliaceus*	250	7	7	FELL	FELL
T2768	3503	811738.573	819932.6347	銀樺	*Grevillea robusta*	120	3	6	FELL	FELL
T2769	3503	811740.136	819930.3655	銀樺	*Grevillea robusta*	100	3	6	FELL	FELL
T277	3503	811878.521	819693.5559	垂葉榕	*Ficus benjamina*	213	4	7	FELL	FELL
T2770	3503	811748.488	819916.8297	銀樺	*Grevillea robusta*	180	4	9	FELL	FELL
T279	3503	811881.585	819685.8313	垂葉榕	*Ficus benjamina*	194	4	7	FELL	FELL
T280	3503	811883.439	819682.1788	垂葉榕	*Ficus benjamina*	165	4	6	FELL	FELL
T281	3503	811884.841	819678.4291	垂葉榕	*Ficus benjamina*	190	5	7	FELL	FELL
T3030	3503	811607.241	819475.165	鐵刀木	*Senna siamea*	215	5	9	RETAIN	FELL
T0001	3601	810205.050	817199.955	耳果相思	*Acacia auriculiformis*	310	5	9	FELL	FELL
T0002	3601	810205.460	817196.267	木麻黃	*Casuarina equisetifolia*	110	2	8	FELL	FELL
T282	3503	811886.353	819674.7187	垂葉榕	*Ficus benjamina*	260	6	8	FELL	FELL
T0003	3601	810207.955	817197.940	木麻黃	*Casuarina equisetifolia*	280	5	10	FELL	FELL
T0004	3601	810218.344	817194.593	木麻黃	*Casuarina equisetifolia*	250	4	10	FELL	FELL
T0005	3601	810215.500	817192.341	木麻黃	*Casuarina equisetifolia*	240	5	12	FELL	FELL
T0006	3601	810211.065	817189.129	木麻黃	*Casuarina equisetifolia*	420	6	10	FELL	FELL
T0007	3601	810214.387	817186.798	木麻黃	*Casuarina equisetifolia*	130	2	7	FELL	FELL
T0008	3601	810216.777	817184.108	木麻黃	*Casuarina equisetifolia*	100	2	5	FELL	FELL
T0009	3601	810212.385	817183.785	木麻黃	*Casuarina equisetifolia*	100	3	6	FELL	FELL
T0010	3601	810228.557	817186.359	木麻黃	*Casuarina equisetifolia*	200	4	7	FELL	FELL
T0011	3601	810232.458	817185.173	木麻黃	*Casuarina equisetifolia*	450	5	9	FELL	FELL
T0012	3601	810229.337	817189.036	木麻黃	*Casuarina equisetifolia*	400	7	12	FELL	FELL
T0013	3601	810230.999	817190.663	木麻黃	*Casuarina equisetifolia*	180	4	9	FELL	FELL
T0014	3601	810232.390	817192.459	木麻黃	*Casuarina equisetifolia*	160	4	9	FELL	FELL
T0001	3602	810186.657	817201.128	木麻黃	*Casuarina equisetifolia*	200	2	10	FELL	FELL
T0002	3602	810186.868	817199.781	木麻黃	*Casuarina equisetifolia*	290	7	12	FELL	FELL
T2835	3503	811551.526	819981.7465	銀樺	*Grevillea robusta*	145	3	6	FELL	FELL
T2836	3503	811555.75	819981.7259	銀樺	*Grevillea robusta*	135	3	5	FELL	FELL
T2837	3503	811530.227	819973.1317	銀樺	*Grevillea robusta*	100	3	5	FELL	FELL
T2838	3503	811591.033	820015.0922	銀樺	*Grevillea robusta*	135	3	6	FELL	FELL
T2839	3503	811587.438	820014.3732	紅膠木	*Lophostemon confertus*	190	8	7	FELL	FELL
T2883	3503	811530.428	819965.4969	銀樺	*Grevillea robusta*	130	3	6	FELL	FELL
T2884	3503	811527.998	819964.4492	銀樺	*Grevillea robusta*	140	3	6	FELL	FELL
T2914	3503	811467.254	819924.1006	垂葉榕	*Ficus benjamina*	230	8	9	FELL	FELL
T2915	3503	811470.812	819923.8546	垂葉榕	*Ficus benjamina*	215	6	8	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T2916	3503	811468.017	819917.6263	垂葉榕	*Ficus benjamina*	225	6	7	FELL	FELL
T2917	3503	811458.819	819899.6831	垂葉榕	*Ficus benjamina*	200	8	8	FELL	FELL
T2918	3503	811456.999	819895.9072	垂葉榕	*Ficus benjamina*	260	8	9	FELL	FELL
T2919	3503	811462.065	819895.1999	垂葉榕	*Ficus benjamina*	245	8	8	FELL	FELL
T2938	3503	811537.036	819917.5632	垂葉榕	*Ficus benjamina*	225	8	8	FELL	FELL
T2939	3503	811537.846	819915.4534	垂葉榕	*Ficus benjamina*	205	8	8	FELL	FELL
T2940	3503	811538.785	819911.7577	垂葉榕	*Ficus benjamina*	165	4	8	FELL	FELL
T2941	3503	811539.566	819908.1966	垂葉榕	*Ficus benjamina*	215	8	8	FELL	FELL
T2942	3503	811540.217	819906.0237	垂葉榕	*Ficus benjamina*	130	2	5	FELL	FELL
T2943	3503	811541.695	819902.593	垂葉榕	*Ficus benjamina*	230	8	7	FELL	FELL
T2944	3503	811534.563	819901.4187	垂葉榕	*Ficus benjamina*	215	6	7	FELL	FELL
T2945	3503	811545.47	819897.6905	苦楝	*Melia azedarach*	210	6	7	FELL	FELL
T2946	3503	811547.357	819898.4851	苦楝	*Melia azedarach*	140	6	7	FELL	FELL
T2950	3503	811571.008	819862.0616	黃槿	*Hibiscus tiliaceus*	205	6	8	FELL	FELL
T2951	3503	811573.626	819860.1849	黃槿	*Hibiscus tiliaceus*	285	6	8	FELL	FELL
T2952	3503	811577.077	819858.264	黃槿	*Hibiscus tiliaceus*	255	8	8	FELL	FELL
T2953	3503	811580.874	819857.1261	黃槿	*Hibiscus tiliaceus*	225	7	8	FELL	FELL
T2954	3503	811584.184	819857.5631	黃槿	*Hibiscus tiliaceus*	205	7	8	FELL	FELL
T2955	3503	811586.008	819854.2774	黃槿	*Hibiscus tiliaceus*	225	8	8	FELL	FELL
T2956	3503	811589.28	819855.0102	黃槿	*Hibiscus tiliaceus*	240	6	8	FELL	FELL
T2957	3503	811587.755	819858.6342	黃槿	*Hibiscus tiliaceus*	230	6	7	FELL	FELL
T2958	3503	811590.836	819859.6539	黃槿	*Hibiscus tiliaceus*	225	6	7	FELL	FELL
T2959	3503	811591.937	819855.6997	黃槿	*Hibiscus tiliaceus*	215	6	8	FELL	FELL
T2960	3503	811595.059	819856.5982	黃槿	*Hibiscus tiliaceus*	190	7	8	FELL	FELL
T2961	3503	811593.704	819860.7705	黃槿	*Hibiscus tiliaceus*	260	8	8	FELL	FELL
T2962	3503	811597.317	819861.8913	黃槿	*Hibiscus tiliaceus*	265	8	8	FELL	FELL
T2963	3503	811598.912	819858.1086	黃槿	*Hibiscus tiliaceus*	300	8	8	FELL	FELL
T2964	3503	811601.96	819862.4595	黃槿	*Hibiscus tiliaceus*	285	8	8	FELL	FELL
T2965	3503	811605.195	819864.3796	黃槿	*Hibiscus tiliaceus*	275	8	8	FELL	FELL
T2966	3503	811609.876	819861.5876	黃槿	*Hibiscus tiliaceus*	265	7	8	FELL	FELL
T2967	3503	811758.701	819662.7	垂葉榕	*Ficus benjamina*	155	4	6	FELL	FELL
T2968	3503	811776.865	819623.9263	垂葉榕	*Ficus benjamina*	225	8	8	FELL	FELL
T2969	3503	811777.519	819622.6111	垂葉榕	*Ficus benjamina*	195	7	8	FELL	FELL
T2970	3503	811675.968	819581.9765	垂葉榕	*Ficus benjamina*	205	6	9	FELL	FELL
T2971	3503	811674.393	819575.3587	垂葉榕	*Ficus benjamina*	170	5	8	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T2972	3503	811673.83	819571.3163	垂葉榕	*Ficus benjamina*	260	6	8	FELL	FELL
T2973	3503	811673.711	819567.6357	垂葉榕	*Ficus benjamina*	215	7	8	FELL	FELL
T2974	3503	811673.307	819563.5969	垂葉榕	*Ficus benjamina*	210	7	8	FELL	FELL
T2975	3503	811672.104	819559.9442	垂葉榕	*Ficus benjamina*	215	7	8	FELL	FELL
T2976	3503	811672.285	819556.2132	垂葉榕	*Ficus benjamina*	180	6	8	FELL	FELL
T2977	3503	811671.402	819552.9569	垂葉榕	*Ficus benjamina*	195	7	8	FELL	FELL
T2978	3503	811671.048	819549.3686	垂葉榕	*Ficus benjamina*	205	6	8	FELL	FELL
T2979	3503	811671.006	819545.7492	垂葉榕	*Ficus benjamina*	225	7	8	FELL	FELL
T2980	3503	811670.752	819541.1446	垂葉榕	*Ficus benjamina*	240	8	8	FELL	FELL
T2981	3503	811669.836	819538.2594	垂葉榕	*Ficus benjamina*	160	5	8	FELL	FELL
T2982	3503	811666.841	819536.211	垂葉榕	*Ficus benjamina*	240	8	8	FELL	FELL
T2984	3503	811650.695	819558.8973	大花紫薇	*Lagerstroemia speciosa*	145	5	4	FELL	FELL
T2985	3503	811651.396	819567.1367	大花紫薇	*Lagerstroemia speciosa*	125	4	4	FELL	FELL
T2986	3503	811643.298	819503.9816	垂葉榕	*Ficus benjamina*	225	6	8	FELL	FELL
T2987	3503	811643.615	819501.4488	垂葉榕	*Ficus benjamina*	195	5	8	FELL	FELL
T2991	3503	811636.856	819504.6597	垂葉榕	*Ficus benjamina*	195	7	8	FELL	FELL
T2992	3503	811663.42	819511.0293	垂葉榕	*Ficus benjamina*	205	7	8	FELL	FELL
T2993	3503	811663.075	819507.9529	垂葉榕	*Ficus benjamina*	170	6	7	FELL	FELL
T2994	3503	811663.494	819502.1075	垂葉榕	*Ficus benjamina*	210	6	7	FELL	FELL
T2995	3503	811663.799	819498.4195	垂葉榕	*Ficus benjamina*	180	6	7	FELL	FELL
T2996	3503	811666.326	819491.4093	垂葉榕	*Ficus benjamina*	110	2	5	FELL	FELL
T2997	3503	811668.146	819488.1384	垂葉榕	*Ficus benjamina*	120	3	5	FELL	FELL
T2998	3503	811671.124	819485.7112	垂葉榕	*Ficus benjamina*	110	2	5	FELL	FELL
T3001	3503	811668.988	819478.4861	鐵刀木	*Senna siamea*	220	6	10	FELL	FELL
T3002	3503	811671.895	819481.3156	鐵刀木	*Senna siamea*	125	4	7	FELL	FELL
T3003	3503	811673.803	819482.5442	垂葉榕	*Ficus benjamina*	110	3	6	FELL	FELL
T3004	3503	811675.739	819483.6615	垂葉榕	*Ficus benjamina*	125	3	6	FELL	FELL
T3005	3503	811677.723	819482.8662	垂葉榕	*Ficus benjamina*	95	3	5	FELL	FELL
T3006	3503	811680.078	819482.066	垂葉榕	*Ficus benjamina*	120	4	6	FELL	FELL
T3007	3503	811682.706	819480.8761	垂葉榕	*Ficus benjamina*	185	5	7	FELL	FELL
T3008	3503	811686.608	819480.8518	垂葉榕	*Ficus benjamina*	170	6	8	FELL	FELL
T3009	3503	811689.774	819479.7525	垂葉榕	*Ficus benjamina*	200	5	7	FELL	FELL
T3011	3503	811678.005	819478.3947	鐵刀木	*Senna siamea*	155	7	10	FELL	FELL
T3012	3503	811713.024	819468.8084	銀樺	*Grevillea robusta*	110	3	4	FELL	FELL
T3013	3503	811723.704	819472.9494	鐵刀木	*Senna siamea*	120	4	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T3014	3503	811728.969	819474.3808	鐵刀木	*Senna siamea*	110	6	7	FELL	FELL
T3025	3503	811773.473	819481.227	鐵刀木	*Senna siamea*	140	6	7	FELL	FELL
T3026	3503	811775.259	819482.4594	鐵刀木	*Senna siamea*	180	7	7	FELL	FELL
T3027	3503	811777.451	819482.3962	紅膠木	*Lophostemon confertus*	125	5	7	FELL	FELL
T3029	3503	811811.202	819502.8837	鐵刀木	*Senna siamea*	215	7	8	FELL	FELL
T0010	3602	810181.695	817206.24	木麻黃	*Casuarina equisetifolia*	300	1	2	FELL	FELL
T3030A	3503	811614.052	819464.003	鐵刀木	*Senna siamea*	178	6	8	RETAIN	FELL
T3189	3503	811710.587	819398.281	鐵刀木	*Senna siamea*	155	6	10	RETAIN	FELL
T3190	3503	811713.089	819417.0996	鐵刀木	*Senna siamea*	210	8	15	FELL	FELL
T3191	3503	811708.031	819411.045	銀樺	*Grevillea robusta*	120	4	6	RETAIN	FELL
T3193	3503	811702.013	819412.2825	銀樺	*Grevillea robusta*	155	5	9	FELL	FELL
T3194	3503	811699.116	819414.699	銀樺	*Grevillea robusta*	130	4	6	RETAIN	FELL
T3196	3503	811702.029	819419.7629	鐵刀木	*Senna siamea*	165	6	12	FELL	FELL
T3227	3503	811700.935	819447.6326	紅膠木	*Lophostemon confertus*	125	3	5	FELL	FELL
T562	3503	811881.627	819763.8929	耳果相思	*Acacia auriculiformis*	300	6	10	FELL	FELL
T563	3503	811881.769	819753.8192	耳果相思	*Acacia auriculiformis*	240	6	10	FELL	FELL
T564	3503	811889.332	819739.9014	台灣相思	*Acacia confusa*	300	8	8	FELL	FELL
T565	3503	811885.682	819735.3161	耳果相思	*Acacia auriculiformis*	240	6	8	FELL	FELL
T566	3503	811893.156	819733.4543	耳果相思	*Acacia auriculiformis*	310	7	10	FELL	FELL
T568	3503	811899.351	819709.3941	銀合歡	*Leucaena leucocephala*	325	8	8	FELL	FELL
T569	3503	811900.976	819699.3232	銀合歡	*Leucaena leucocephala*	300	8	8	FELL	FELL
T636	3503	811762.294	819891.578	銀樺	*Grevillea robusta*	115	4	8	FELL	FELL
T637	3503	811763.24	819888.8642	銀樺	*Grevillea robusta*	135	4	8	FELL	FELL
T638	3503	811764.084	819886.4193	銀樺	*Grevillea robusta*	145	4	8	FELL	FELL
T639	3503	811765.183	819883.9324	銀樺	*Grevillea robusta*	140	4	10	FELL	FELL
T640	3503	811767.184	819879.9601	鐵刀木	*Senna siamea*	260	9	10	FELL	FELL
T641	3503	811768.033	819878.0379	銀樺	*Grevillea robusta*	115	3	7	FELL	FELL
T642	3503	811770.314	819872.9406	銀樺	*Grevillea robusta*	145	4	8	FELL	FELL
T643	3503	811770.915	819870.4573	銀樺	*Grevillea robusta*	125	4	8	FELL	FELL
T644	3503	811770.707	819868.5772	鐵刀木	*Senna siamea*	210	6	9	FELL	FELL
T645	3503	811772.704	819866.9045	銀樺	*Grevillea robusta*	190	5	8	FELL	FELL
T646	3503	811774.081	819863.5729	鐵刀木	*Senna siamea*	190	6	6	FELL	FELL
T647	3503	811772.936	819861.1877	銀樺	*Grevillea robusta*	105	2	4	FELL	FELL
T648	3503	811777.059	819854.2343	鐵刀木	*Senna siamea*	245	7	10	FELL	FELL
T649	3503	811778.485	819851.921	鐵刀木	*Senna siamea*	260	7	9	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T650	3503	811779.314	819846.9965	鐵刀木	*Senna siamea*	250	6	8	FELL	FELL
T651	3503	811779.975	819841.4906	銀樺	*Grevillea robusta*	210	4	9	FELL	FELL
T652	3503	811782.555	819840.4916	銀樺	*Grevillea robusta*	175	5	10	FELL	FELL
T653	3503	811781.941	819837.0654	鐵刀木	*Senna siamea*	215	8	9	FELL	FELL
T654	3503	811784.064	819835.1722	鐵刀木	*Senna siamea*	190	6	8	FELL	FELL
T656	3503	811784.956	819828.7968	銀樺	*Grevillea robusta*	160	3	8	FELL	FELL
T657	3503	811786.456	819828.9715	銀樺	*Grevillea robusta*	190	4	9	FELL	FELL
T665	3503	811828.076	819701.2597	銀樺	*Grevillea robusta*	110	2	6	FELL	FELL
T666	3503	811826.073	819694.1514	銀樺	*Grevillea robusta*	105	3	7	FELL	FELL
T667	3503	811827.209	819690.4866	銀樺	*Grevillea robusta*	145	3	7	FELL	FELL
T668	3503	811831.727	819679.09	銀樺	*Grevillea robusta*	110	3	6	FELL	FELL
T669	3503	811834.439	819664.3402	銀樺	*Grevillea robusta*	110	4	7	FELL	FELL
T670	3503	811836.747	819658.5941	銀樺	*Grevillea robusta*	200	4	10	FELL	FELL
T671	3503	811837.388	819653.0066	銀樺	*Grevillea robusta*	145	5	7	FELL	FELL
T672	3503	811837.567	819648.2486	銀樺	*Grevillea robusta*	180	4	7	FELL	FELL
T675	3503	811817.049	819730.4167	鐵刀木	*Senna siamea*	100	3	7	FELL	FELL
T677	3503	811818.829	819725.7787	鐵刀木	*Senna siamea*	180	5	7	FELL	FELL
T678	3503	811821.156	819704.7097	黃槿	*Hibiscus tiliaceus*	205	5	5	FELL	FELL
T679	3503	811822.279	819700.2688	黃槿	*Hibiscus tiliaceus*	110	3	4	FELL	FELL
T680	3503	811820.207	819698.0592	黃槿	*Hibiscus tiliaceus*	95	2	3	FELL	FELL
T681	3503	811817.954	819696.8511	黃槿	*Hibiscus tiliaceus*	130	3	4	FELL	FELL
T682	3503	811823.431	819696.916	黃槿	*Hibiscus tiliaceus*	120	4	4	FELL	FELL
T683	3503	811826.393	819686.7894	黃槿	*Hibiscus tiliaceus*	160	5	6	FELL	FELL
T684	3503	811825.163	819676.7568	黃槿	*Hibiscus tiliaceus*	165	5	5	FELL	FELL
T689	3503	811833.728	819653.4138	銀樺	*Grevillea robusta*	140	3	9	FELL	FELL
T690	3503	811836.57	819647.4155	銀樺	*Grevillea robusta*	130	3	6	FELL	FELL
T691	3503	811836.892	819640.758	銀樺	*Grevillea robusta*	195	4	9	FELL	FELL
T692	3503	811836.516	819614.4323	垂葉榕	*Ficus benjamina*	205	6	7	FELL	FELL
T693	3503	811833.981	819613.4796	垂葉榕	*Ficus benjamina*	205	6	7	FELL	FELL
T694	3503	811831.95	819612.7264	垂葉榕	*Ficus benjamina*	255	6	7	FELL	FELL
T695	3503	811833.882	819607.2979	垂葉榕	*Ficus benjamina*	165	4	6	FELL	FELL
T696	3503	811835.939	819608.1413	垂葉榕	*Ficus benjamina*	200	4	6	FELL	FELL
T697	3503	811839.066	819609.2891	垂葉榕	*Ficus benjamina*	190	4	6	FELL	FELL
T698	3503	811840.764	819602.4292	垂葉榕	*Ficus benjamina*	215	5	7	FELL	FELL
T699	3503	811838.467	819601.5919	垂葉榕	*Ficus benjamina*	190	5	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T700	3503	811835.925	819600.5875	垂葉榕	*Ficus benjamina*	250	6	7	FELL	FELL
T701	3503	811839.955	819596.8615	垂葉榕	*Ficus benjamina*	210	5	7	FELL	FELL
T702	3503	811842.147	819594.7435	耳果相思	*Acacia auriculiformis*	290	6	10	FELL	FELL
T703	3503	811837.409	819593.5575	垂葉榕	*Ficus benjamina*	235	7	7	FELL	FELL
T704	3503	811839.219	819585.8756	垂葉榕	*Ficus benjamina*	265	8	9	FELL	FELL
T705	3503	811831.801	819548.2848	垂葉榕	*Ficus benjamina*	155	5	7	FELL	FELL
T706	3503	811832.404	819547.1106	耳果相思	*Acacia auriculiformis*	125	3	9	FELL	FELL
T707	3503	811832.206	819545.9792	耳果相思	*Acacia auriculiformis*	140	3	9	FELL	FELL
T708	3503	811831.554	819545.6695	耳果相思	*Acacia auriculiformis*	235	5	9	FELL	FELL
T709	3503	811828.424	819547.4772	垂葉榕	*Ficus benjamina*	190	6	7	FELL	FELL
T710	3503	811825.164	819546.3268	垂葉榕	*Ficus benjamina*	140	4	7	FELL	FELL
T711	3503	811822.464	819545.9012	垂葉榕	*Ficus benjamina*	170	4	7	FELL	FELL
T712	3503	811820.048	819544.9957	垂葉榕	*Ficus benjamina*	190	6	7	FELL	FELL
T713	3503	811821.547	819538.1386	垂葉榕	*Ficus benjamina*	180	4	5	FELL	FELL
T714	3503	811825.187	819539.5038	垂葉榕	*Ficus benjamina*	150	5	6	FELL	FELL
T715	3503	811828.621	819540.8304	垂葉榕	*Ficus benjamina*	110	3	5	FELL	FELL
T718	3503	811829.656	819538.1053	耳果相思	*Acacia auriculiformis*	175	6	10	FELL	FELL
T719	3503	811829.284	819537.079	耳果相思	*Acacia auriculiformis*	190	4	8	FELL	FELL
T720	3503	811827.794	819532.9051	耳果相思	*Acacia auriculiformis*	295	5	11	FELL	FELL
T721	3503	811824.983	819531.1756	垂葉榕	*Ficus benjamina*	250	6	9	FELL	FELL
T722	3503	811826.386	819528.8965	耳果相思	*Acacia auriculiformis*	170	4	10	FELL	FELL
T723	3503	811825.03	819526.0719	耳果相思	*Acacia auriculiformis*	270	4	10	FELL	FELL
T741	3503	811863.281	819624.893	宮粉羊蹄甲	*Bauhinia variegata*	180	5	6	FELL	FELL
T742	3503	811863.842	819621.1064	宮粉羊蹄甲	*Bauhinia variegata*	145	4	5	FELL	FELL
T743	3503	811864.036	819616.2237	宮粉羊蹄甲	*Bauhinia variegata*	180	4	5	FELL	FELL
T744	3503	811864.26	819613.8466	濕地松	*Pinus elliottii*	120	2	6	FELL	FELL
T745	3503	811864.311	819612.2685	濕地松	*Pinus elliottii*	110	3	5	FELL	FELL
T746	3503	811864.528	819608.6838	濕地松	*Pinus elliottii*	120	2	5	FELL	FELL
T747	3503	811866.348	819600.0625	耳果相思	*Acacia auriculiformis*	340	6	9	FELL	FELL
T751	3503	811885.365	819613.0168	台灣相思	*Acacia confusa*	170	5	9	FELL	FELL
T752	3503	811885.74	819611.96	台灣相思	*Acacia confusa*	185	5	9	FELL	FELL
T753	3503	811886.391	819612.5858	台灣相思	*Acacia confusa*	145	3	7	FELL	FELL
T754	3503	811886.576	819610.5082	台灣相思	*Acacia confusa*	190	4	8	FELL	FELL
T755	3503	811885.418	819613.7529	台灣相思	*Acacia confusa*	100	3	8	FELL	FELL
T756	3503	811886.23	819614.2155	台灣相思	*Acacia confusa*	95	2	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T757	3503	811884.55	819614.9549	台灣相思	*Acacia confusa*	135	3	9	FELL	FELL
T758	3503	811885.169	819616.4815	台灣相思	*Acacia confusa*	110	3	8	FELL	FELL
T759	3503	811885.903	819616.1757	台灣相思	*Acacia confusa*	105	2	6	FELL	FELL
T760	3503	811885.848	819617.1665	台灣相思	*Acacia confusa*	100	1	5	FELL	FELL
T761	3503	811885.676	819618.0693	台灣相思	*Acacia confusa*	165	5	8	FELL	FELL
T762	3503	811884.404	819620.962	台灣相思	*Acacia confusa*	165	4	8	FELL	FELL
T763	3503	811884.975	819621.6593	台灣相思	*Acacia confusa*	135	3	7	FELL	FELL
T764	3503	811884.879	819622.6219	台灣相思	*Acacia confusa*	100	2	6	FELL	FELL
T765	3503	811883.119	819623.1704	台灣相思	*Acacia confusa*	160	5	9	FELL	FELL
T766	3503	811883.199	819622.2865	台灣相思	*Acacia confusa*	105	3	9	FELL	FELL
T767	3503	811884.229	819622.0277	台灣相思	*Acacia confusa*	145	4	9	FELL	FELL
T768	3503	811882.148	819616.1089	耳果相思	*Acacia auriculiformis*	265	6	10	FELL	FELL
T769	3503	811880.493	819624.2423	耳果相思	*Acacia auriculiformis*	250	7	10	FELL	FELL
T770	3503	811881.829	819630.2467	黃花夾竹桃	*Thevetia peruviana*	130	4	4	FELL	FELL
T771	3503	811879.291	819632.1584	黃花夾竹桃	*Thevetia peruviana*	135	5	5	FELL	FELL
T772	3503	811878.968	819631.6994	耳果相思	*Acacia auriculiformis*	220	5	10	FELL	FELL
T773	3503	811882.07	819635.0853	黃花夾竹桃	*Thevetia peruviana*	125	5	4	FELL	FELL
T774	3503	811880.297	819638.9309	黃花夾竹桃	*Thevetia peruviana*	240	7	5	FELL	FELL
T775	3503	811877.071	819639.6152	耳果相思	*Acacia auriculiformis*	310	9	11	FELL	FELL
T776	3503	811875.028	819647.2709	大葉相思	*Acacia mangium*	390	8	10	FELL	FELL
T789	3503	811841.273	819641.8088	銀樺	*Grevillea robusta*	100	3	5	FELL	FELL
T790	3503	811842.25	819632.8738	銀樺	*Grevillea robusta*	205	4	10	FELL	FELL
T791	3503	811842.201	819628.5416	耳果相思	*Acacia auriculiformis*	205	4	9	FELL	FELL
T792	3503	811843.439	819623.8498	銀樺	*Grevillea robusta*	200	5	9	FELL	FELL
T793	3503	811842.311	819628.8753	銀樺	*Grevillea robusta*	115	3	8	FELL	FELL
T794	3503	811843.189	819618.5265	銀樺	*Grevillea robusta*	100	2	7	FELL	FELL
T795	3503	811843.66	819612.4284	銀樺	*Grevillea robusta*	145	4	9	FELL	FELL
T796	3503	811843.667	819599.8194	銀樺	*Grevillea robusta*	100	2	6	FELL	FELL
T797	3503	811843.26	819594.2444	銀樺	*Grevillea robusta*	100	2	6	FELL	FELL
T798	3503	811843.597	819588.8107	銀樺	*Grevillea robusta*	165	3	9	FELL	FELL
T799	3503	811843.305	819585.8036	銀樺	*Grevillea robusta*	115	2	8	FELL	FELL
T800	3503	811841.52	819575.2359	銀樺	*Grevillea robusta*	145	3	8	FELL	FELL
T801	3503	811840.51	819569.2426	銀樺	*Grevillea robusta*	160	4	9	FELL	FELL
T802	3503	811838.653	819567.721	銀樺	*Grevillea robusta*	125	3	7	FELL	FELL
T803	3503	811839.415	819563.2405	銀樺	*Grevillea robusta*	170	3	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T805	3503	811835.302	819550.8619	鐵刀木	*Senna siamea*	260	6	9	FELL	FELL
T806	3503	811834.02	819547.1969	鐵刀木	*Senna siamea*	170	5	8	FELL	FELL
T807	3503	811832.975	819543.6504	鐵刀木	*Senna siamea*	160	5	7	FELL	FELL
T808	3503	811828.865	819534.9118	銀樺	*Grevillea robusta*	140	6	12	FELL	FELL
T809	3503	811827.273	819526.0796	鐵刀木	*Senna siamea*	145	4	6	FELL	FELL
T810	3503	811825.337	819522.3289	鐵刀木	*Senna siamea*	125	3	6	FELL	FELL
T812	3503	811844.476	819472.355	細葉榕	*Ficus microcarpa*	465	8	14	TRANSPLANT	TRANSPLANT
T813	3503	811843.473	819476.373	細葉榕	*Ficus microcarpa*	540	12	14	RETAIN	RETAIN
T814	3503	811848.091	819476.008	細葉榕	*Ficus microcarpa*	435	8	14	TRANSPLANT	TRANSPLANT
T815	3503	811847.561	819480.942	細葉榕	*Ficus microcarpa*	475	8	14	TRANSPLANT	TRANSPLANT
T816	3503	811851.615	819479.6995	細葉榕	*Ficus microcarpa*	370	8	14	FELL	FELL
T817	3503	811852.493	819483.8324	細葉榕	*Ficus microcarpa*	446	12	12	FELL	FELL
T818	3503	811857.692	819472.1271	細葉榕	*Ficus microcarpa*	1000	12	12	FELL	FELL
T819	3503	811867.313	819477.67	細葉榕	*Ficus microcarpa*	730	12	14	FELL	FELL
T820	3503	811865.755	819467.469	鳳凰木	*Delonix regia*	300	7	9	FELL	FELL
T821	3503	811873.354	819471.072	鳳凰木	*Delonix regia*	340	6	7	FELL	FELL
T824	3503	811871.605	819451.0912	細葉榕	*Ficus microcarpa*	1000	12	12	FELL	FELL
T825	3503	811862.967	819445.3242	細葉榕	*Ficus microcarpa*	950	10	12	FELL	FELL
T827	3503	811852.528	819447.9131	細葉榕	*Ficus microcarpa*	900	12	10	FELL	FELL
T828	3503	811840.169	819448.4583	細葉榕	*Ficus microcarpa*	450	12	10	FELL	FELL
T829	3503	811834.950	819450.478	細葉榕	*Ficus microcarpa*	450	10	12	TRANSPLANT	TRANSPLANT
T830	3503	811837.974	819454.637	細葉榕	*Ficus microcarpa*	425	8	12	TRANSPLANT	TRANSPLANT
T831	3503	811833.979	819457.520	細葉榕	*Ficus microcarpa*	385	8	12	TRANSPLANT	TRANSPLANT
T832	3503	811837.565	819459.683	細葉榕	*Ficus microcarpa*	450	12	12	FELL	FELL
T833	3503	811834.113	819463.663	細葉榕	*Ficus microcarpa*	550	10	12	RETAIN	RETAIN
T834	3503	811841.579	819461.552	羅漢松	*Podocarpus macrophyllus*	310	4	6	RETAIN	RETAIN
T835	3503	811844.795	819460.472	羅漢松	*Podocarpus macrophyllus*	135	3	4	TRANSPLANT	TRANSPLANT
T836	3503	811846.862	819461.371	羅漢松	*Podocarpus macrophyllus*	100	2	4	TRANSPLANT	TRANSPLANT
T837	3503	811850.223	819459.190	羅漢松	*Podocarpus macrophyllus*	150	3	6	FELL	FELL
T838	3503	811847.685	819459.637	羅漢松	*Podocarpus macrophyllus*	100	2	5	TRANSPLANT	TRANSPLANT
A1	3508	812011.519	819369.687	苦楝	*Melia azedarach*	215	5	6	N/A	FELL
A142	3508	811707.362	819394.046	銀合歡	*Leucaena leucocephala*	136	6	4	N/A	FELL
A143	3508	819391.345	811700.914	銀合歡	*Leucaena leucocephala*	127	6	3	N/A	FELL
A144	3508	811686.836	819406.606	黃槿	*Hibiscus tiliaceus*	300	4	5	N/A	FELL
A145	3508	811693.172	819405.948	潺槁樹	*Litsea glutinosa*	98	5	3	N/A	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
A146	3508	811703.342	819397.118	紅膠木	*Lophostemon confertus*	103	6	3	N/A	FELL
A147	3508	811698.518	819398.269	台灣相思	*Acacia confusa*	185	6	5	N/A	FELL
A148	3508	811695.524	819399.11	潺槁樹	*Litsea glutinosa*	99	6	4	N/A	FELL
A149	3508	811716.23	819383.221	宮粉羊蹄甲	*Bauhinia variegata*	157	6	4	N/A	FELL
A150	3508	811717.379	81999378.56	潺槁樹	*Litsea glutinosa*	100	6	3	N/A	FELL
A151	3508	811724.258	819374.112	洋紫荊	*Bauhinia x blakeana*	98	5	3	N/A	FELL
A2	3508	812014.845	879315.476	椰子	*Cocos nucifera*	282	4	7	N/A	RETAIN
T1381A	3508	811871.959	819347.037	紅花夾竹桃	*Nerium oleander*	160	4	8	RETAIN	RETAIN
T1382A	3508	811872.417	819347.825	紅花夾竹桃	*Nerium oleander*	95	4	8	RETAIN	RETAIN
T1383	3508	811484.94	820118.79	黃槿	*Hibiscus tiliaceus*	120	1	1	RETAIN	FELL
T1384A	3508	811873.813	819349.865	紅花夾竹桃	*Nerium oleander*	110	4	8	RETAIN	RETAIN
T1385A	3508	811875.347	819351.786	紅花夾竹桃	*Nerium oleander*	140	4	8	RETAIN	RETAIN
T1386A	3508	811875.808	819352.495	紅花夾竹桃	*Nerium oleander*	110	3	7	RETAIN	RETAIN
T1387A	3508	811876.93	819353.043	紅花夾竹桃	*Nerium oleander*	120	3	7	RETAIN	RETAIN
T1388A	3508	811876.582	819353.785	紅花夾竹桃	*Nerium oleander*	135	3	7	RETAIN	RETAIN
T1389A	3508	811877.166	819354.413	紅花夾竹桃	*Nerium oleander*	130	4	8	RETAIN	RETAIN
T1390A	3508	811877.969	819355.713	紅花夾竹桃	*Nerium oleander*	155	4	8	RETAIN	RETAIN
T1391A	3508	811878.57	819356.315	紅花夾竹桃	*Nerium oleander*	160	4	8	RETAIN	RETAIN
T1392A	3508	811878.787	819357.144	紅花夾竹桃	*Nerium oleander*	160	4	8	RETAIN	RETAIN
A3	3508	811873.176	819348.8695	紅花夾竹桃	*Nerium oleander*	144	3	5	N/A	RETAIN
A4	3508	811870.631	819344.4861	苦楝	*Melia azedarach*	166	6	9	N/A	RETAIN
T1405	3508	811510.841	820137.951	銀合歡	*Leucaena leucocephala*	120	1	2	RETAIN	FELL
T1405A	3508	811774.025	819300.863	台灣相思	*Acacia confusa*	180	3	6	FELL	FELL
T1406A	3508	811774.709	819300.774	耳果相思	*Acacia auriculiformis*	305	6	12	FELL	FELL
T1407A	3508	811773.852	819303.562	台灣相思	*Acacia confusa*	195	4	10	FELL	FELL
T1408	3508	811777.131	819308.69	台灣相思	*Acacia confusa*	160	4	10	FELL	FELL
T1409	3508	811780.368	819309.182	耳果相思	*Acacia auriculiformis*	230	4	12	FELL	FELL
T1410A	3508	811778.834	819311.458	苦楝	*Melia azedarach*	275	4	12	FELL	FELL
T1411A	3508	811780.185	819314.314	台灣相思	*Acacia confusa*	145	3	7	FELL	FELL
T1412A	3508	811783.034	819313.585	耳果相思	*Acacia auriculiformis*	240	5	11	FELL	FELL
T1413A	3508	811782.069	819317.003	台灣相思	*Acacia confusa*	205	4	9	FELL	FELL
T1416A	3508	811786.869	819324.217	台灣相思	*Acacia confusa*	205	4	9	FELL	FELL
T1418A	3508	811788.345	819326.73	苦楝	*Melia azedarach*	205	5	12	FELL	FELL
T1419	3508	811789.486	819327.468	苦楝	*Melia azedarach*	300	8	12	FELL	FELL
T1420	3508	811790.446	819329.505	台灣相思	*Acacia confusa*	170	6	8	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T1421	3508	811791.237	819327.128	台灣相思	*Acacia confusa*	175	5	9	FELL	FELL
T1423	3508	811791.696	819331.913	苦楝	*Melia azedarach*	270	6	12	FELL	FELL
T1424	3508	811792.984	819333.07	台灣相思	*Acacia confusa*	125	2	6	FELL	FELL
T1425	3508	811793.522	819333.981	台灣相思	*Acacia confusa*	145	4	9	FELL	FELL
T1429	3508	811794.895	819337.465	苦楝	*Melia azedarach*	350	1	1	FELL	FELL
T1430	3508	811796.24	819340.331	苦楝	*Melia azedarach*	265	8	10	FELL	FELL
T1431	3508	811797.401	819340.423	紅膠木	*Lophostemon confertus*	105	3	6	FELL	FELL
T1432	3508	811797.989	819342.986	台灣相思	*Acacia confusa*	160	4	8	FELL	FELL
T1433	3508	811799.895	819344.938	紅膠木	*Lophostemon confertus*	115	4	5	FELL	FELL
T1434	3508	811799.719	819345.603	苦楝	*Melia azedarach*	320	5	10	FELL	FELL
T1437	3508	811803.951	819349.669	苦楝	*Melia azedarach*	250	6	12	FELL	FELL
T1438	3508	811804.925	819351.554	苦楝	*Melia azedarach*	150	4	6	FELL	FELL
T1439	3508	811805.739	819352.436	苦楝	*Melia azedarach*	350	8	12	FELL	FELL
T1440	3508	811802.891	819351.494	台灣相思	*Acacia confusa*	160	3	6	FELL	FELL
T1441A	3508	811804.654	819354.468	台灣相思	*Acacia confusa*	170	3	6	FELL	FELL
T1442A	3508	811806.079	819357.49	苦楝	*Melia azedarach*	215	5	12	FELL	FELL
T1443A	3508	811807.735	819360.366	苦楝	*Melia azedarach*	350	8	12	FELL	FELL
T1444A	3508	811809.276	819363.503	苦楝	*Melia azedarach*	320	10	10	FELL	FELL
T1445A	3508	811823.746	819344.693	台灣相思	*Acacia confusa*	235	8	12	FELL	FELL
T1446A	3508	811822.287	819342.18	苦楝	*Melia azedarach*	205	8	12	FELL	FELL
T1447A	3508	811815.695	819338.36	耳果相思	*Acacia auriculiformis*	265	6	11	FELL	FELL
T1448A	3508	811818.224	819336.991	台灣相思	*Acacia confusa*	175	4	8	FELL	FELL
T1449A	3508	811818.995	819336.91	台灣相思	*Acacia confusa*	320	8	12	FELL	FELL
T1450A	3508	811817.437	819334.836	耳果相思	*Acacia auriculiformis*	215	8	10	FELL	FELL
T1452A	3508	811812.384	819326.2	台灣相思	*Acacia confusa*	345	8	12	FELL	FELL
T1453A	3508	811810.122	819324.896	苦楝	*Melia azedarach*	190	6	10	FELL	FELL
T1454A	3508	811809.509	819323.894	苦楝	*Melia azedarach*	295	6	14	FELL	FELL
T1455A	3508	811807.152	819325.754	耳果相思	*Acacia auriculiformis*	225	8	12	FELL	FELL
T1457A	3508	811806.964	819319.115	台灣相思	*Acacia confusa*	205	7	12	FELL	FELL
T1458A	3508	811806.64	819317.457	台灣相思	*Acacia confusa*	95	3	8	FELL	FELL
T1459A	3508	811805.755	819317.146	台灣相思	*Acacia confusa*	190	6	10	FELL	FELL
T1460A	3508	811805.329	819316.167	台灣相思	*Acacia confusa*	155	6	12	FELL	FELL
T1461A	3508	811804.911	819317.042	台灣相思	*Acacia confusa*	135	4	8	FELL	FELL
T1462A	3508	811804.537	819315.102	台灣相思	*Acacia confusa*	170	4	10	FELL	FELL
T1463A	3508	811803.783	819314.253	台灣相思	*Acacia confusa*	170	4	9	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T1464A	3508	811802.874	819314.158	台灣相思	*Acacia confusa*	170	4	9	FELL	FELL
T1465A	3508	811802.905	819311.623	苦楝	*Melia azedarach*	260	6	12	FELL	FELL
T1466A	3508	811461.003	820109.928	台灣相思	*Acacia confusa*	120	4	10	N/A	FELL
T1466A	3508	811799.036	819313.178	耳果相思	*Acacia auriculiformis*	380	10	12	FELL	FELL
T1467A	3508	811799.243	819308.493	紅膠木	*Lophostemon confertus*	120	4	8	FELL	FELL
T1469A	3508	811796.29	819308.829	耳果相思	*Acacia auriculiformis*	240	8	10	FELL	FELL
T1471A	3508	811794.421	819300.437	大葉相思	*Acacia mangium*	170	4	8	FELL	FELL
T1476	3508	811787.154	819290.546	台灣相思	*Acacia confusa*	230	8	12	FELL	FELL
T1477	3508	811769.404	819269.417	耳果相思	*Acacia auriculiformis*	260	6	12	FELL	FELL
T1491	3508	811990.215	819347.091	椰子	*Cocos nucifera*	285	4	6	RETAIN	RETAIN
T1492	3508	811991.883	819349.564	椰子	*Cocos nucifera*	285	4	6	RETAIN	RETAIN
T1493	3508	811989.307	819351.254	椰子	*Cocos nucifera*	280	4	6	TRANSPLANT	TRANSPLANT
T1494	3508	811993.551	819351.991	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	TRANSPLANT
T1495	3508	811992.617	819356.109	椰子	*Cocos nucifera*	230	4	6	TRANSPLANT	TRANSPLANT
T1496	3508	811994.227	819358.466	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	TRANSPLANT
T1497	3508	811995.885	819360.927	椰子	*Cocos nucifera*	310	4	6	TRANSPLANT	TRANSPLANT
T1498	3508	811998.599	819359.242	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	TRANSPLANT
T1499	3508	812000.382	819361.73	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	TRANSPLANT
T1500	3508	812002.163	819364.494	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	TRANSPLANT
T1501	3508	812003.526	819366.622	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	TRANSPLANT
T1502	3508	812001.218	819368.586	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	TRANSPLANT
T1503	3508	812002.906	819371.18	椰子	*Cocos nucifera*	260	4	6	TRANSPLANT	TRANSPLANT
T1504	3508	812005.411	819369.3	椰子	*Cocos nucifera*	285	4	6	TRANSPLANT	TRANSPLANT
T1506	3508	812006.324	819375.896	椰子	*Cocos nucifera*	255	4	6	RETAIN	RETAIN
T1507	3508	812008.042	819378.517	椰子	*Cocos nucifera*	250	4	6	RETAIN	RETAIN
T1508	3508	812009.773	819381.001	椰子	*Cocos nucifera*	230	4	5	RETAIN	RETAIN
T1509	3508	812011.488	819383.414	椰子	*Cocos nucifera*	300	4	6	RETAIN	RETAIN
T1512	3508	812014.255	819386.336	椰子	*Cocos nucifera*	280	4	6	RETAIN	RETAIN
T1514	3508	812016.634	819391.046	椰子	*Cocos nucifera*	300	4	6	RETAIN	RETAIN
T1515	3508	812018.437	819393.493	椰子	*Cocos nucifera*	285	4	6	RETAIN	RETAIN
T1518	3508	812020.135	819395.886	椰子	*Cocos nucifera*	230	4	6	RETAIN	RETAIN
T1519	3508	812021.876	819398.428	椰子	*Cocos nucifera*	230	4	6	RETAIN	RETAIN
T1521	3508	812023.537	819401.022	椰子	*Cocos nucifera*	285	4	6	RETAIN	RETAIN
T1522	3508	812027.183	819406.119	椰子	*Cocos nucifera*	285	4	6	RETAIN	RETAIN
T1524	3508	812032.541	819413.666	椰子	*Cocos nucifera*	220	4	6	RETAIN	RETAIN

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T1525	3508	812034.273	819416.273	椰子	*Cocos nucifera*	285	4	5	RETAIN	RETAIN
T1527	3508	812037.898	819421.007	椰子	*Cocos nucifera*	285	4	6	RETAIN	RETAIN
T1528	3508	812039.583	819423.549	椰子	*Cocos nucifera*	285	4	6	RETAIN	RETAIN
T1531	3508	812041.338	819426.334	椰子	*Cocos nucifera*	265	4	5	RETAIN	RETAIN
T1532	3508	812042.917	819428.646	椰子	*Cocos nucifera*	240	4	6	RETAIN	RETAIN
T1536	3508	812046.331	819433.584	椰子	*Cocos nucifera*	270	4	5	RETAIN	RETAIN
T3038	3508	811627.673	819443.421	黃槿	*Hibiscus tiliaceus*	140	5	5	FELL	FELL
T3038A	3508	811623.973	819443.742	耳果相思	*Acacia auriculiformis*	100	2	8	FELL	FELL
T3038B	3508	811626.242	819440.901	耳果相思	*Acacia auriculiformis*	130	4	8	FELL	FELL
T3039	3508	811631.266	819438.686	黃槿	*Hibiscus tiliaceus*	150	4	5	FELL	FELL
T3046	3508	811640.969	819395.303	王棕	*Roystonea regia*	225	2	6	TRANSPLANT	FELL
T3047	3508	811642.989	819389.785	王棕	*Roystonea regia*	190	2	6	TRANSPLANT	FELL
T3048	3508	811644.918	819384.088	王棕	*Roystonea regia*	215	2	6	TRANSPLANT	FELL
T3049	3508	811645.891	819381.117	王棕	*Roystonea regia*	225	2	5	TRANSPLANT	FELL
T3050	3508	811646.859	819378.305	王棕	*Roystonea regia*	225	3	6	TRANSPLANT	FELL
T3051	3508	811647.903	819375.532	王棕	*Roystonea regia*	240	2	6	TRANSPLANT	FELL
T3052	3508	811648.734	819372.619	王棕	*Roystonea regia*	250	2	7	TRANSPLANT	FELL
T3053	3508	811649.705	819369.908	王棕	*Roystonea regia*	205	2	6	TRANSPLANT	FELL
T3054	3508	811650.614	819366.797	王棕	*Roystonea regia*	180	2	7	TRANSPLANT	FELL
T3055	3508	811651.805	819364.094	王棕	*Roystonea regia*	250	2	7	TRANSPLANT	FELL
T3157	3508	811722.863	819371.335	大葉相思	*Acacia mangium*	110	2	7	FELL	FELL
T3158	3508	811721.163	819371.569	黃槿	*Hibiscus tiliaceus*	135	3	7	FELL	FELL
T3159	3508	811721.145	819372.531	台灣相思	*Acacia confusa*	150	3	7	FELL	FELL
T3160	3508	811720.145	819372.855	黃槿	*Hibiscus tiliaceus*	100	3	7	FELL	FELL
T3161	3508	811721.382	819374.136	台灣相思	*Acacia confusa*	190	6	8	FELL	FELL
T3162	3508	811720.714	819375.912	台灣相思	*Acacia confusa*	155	3	8	FELL	FELL
T3163	3508	811722.299	819375.571	台灣相思	*Acacia confusa*	225	6	10	FELL	FELL
T3165	3508	811724.192	819377.515	宮粉洋蹄甲	*Bauhinia variegata*	105	4	6	FELL	FELL
T3168	3508	811724.749	819383.442	台灣相思	*Acacia confusa*	285	8	10	FELL	FELL
T3169	3508	811722.095	819386.336	潺槁樹	*Litsea glutinosa*	100	4	6	FELL	FELL
T3170	3508	811721.285	819386.955	大葉相思	*Acacia mangium*	170	4	8	FELL	FELL
T3171	3508	811720.311	819387.349	大葉相思	*Acacia mangium*	215	6	10	FELL	FELL
T3172	3508	811721.558	819386.087	大葉相思	*Acacia mangium*	270	6	10	FELL	FELL
T3173	3508	811718.255	819386.706	大葉相思	*Acacia mangium*	125	4	9	FELL	FELL
T3174	3508	811719.675	819385.118	大葉相思	*Acacia mangium*	115	1	0	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T3175	3508	811718.623	819384.506	大葉相思	*Acacia mangium*	180	1	1	FELL	FELL
T3176	3508	811717.544	819386.181	大葉相思	*Acacia mangium*	205	4	9	FELL	FELL
T3177	3508	811719.098	819381.592	台灣相思	*Acacia confusa*	210	6	10	FELL	FELL
T3178	3508	811714.848	819381.594	台灣相思	*Acacia confusa*	150	6	9	FELL	FELL
T3179	3508	811713.955	819381.559	台灣相思	*Acacia confusa*	220	6	9	FELL	FELL
T3180	3508	811715.391	819378.192	台灣相思	*Acacia confusa*	165	6	10	FELL	FELL
T3181	3508	811715.95	819376.568	台灣相思	*Acacia confusa*	135	4	10	FELL	FELL
T3183	3508	811719.177	819377.271	台灣相思	*Acacia confusa*	155	4	10	FELL	FELL
T3211	3508	811697.113	819405.346	台灣相思	*Acacia confusa*	290	8	9	FELL	FELL
T3212	3508	811696.127	819402.697	潺槁樹	*Litsea glutinosa*	120	3	7	FELL	FELL
T3213	3508	811696.559	819401.431	苦楝	*Melia azedarach*	155	5	7	FELL	FELL
T3214	3508	811701.332	819397.298	宮粉洋蹄甲	*Bauhinia variegata*	170	7	7	FELL	FELL
T3215	3508	811708.882	819395.503	大葉相思	*Acacia mangium*	180	6	10	FELL	FELL
T3216	3508	811708.785	819394.555	大葉相思	*Acacia mangium*	235	6	10	FELL	FELL
T3217	3508	811705.023	819394.006	大葉相思	*Acacia mangium*	180	4	7	FELL	FELL
T3218	3508	811707.126	819392.027	苦楝	*Melia azedarach*	115	3	7	FELL	FELL
T3219	3508	811707.871	819391.142	潺槁樹	*Litsea glutinosa*	100	3	5	FELL	FELL
T3241	3508	811784.996	819372.228	旅人蕉	*Ravenala madagascariensis*	195	2	5	FELL	FELL
T3242	3508	811784.572	819370.879	旅人蕉	*Ravenala madagascariensis*	190	2	5	FELL	FELL
T3243	3508	811783.564	819371.308	旅人蕉	*Ravenala madagascariensis*	205	3	7	FELL	FELL
T3244	3508	811782.355	819371.912	旅人蕉	*Ravenala madagascariensis*	250	3	7	FELL	FELL
T3245	3508	811781.988	819371.135	旅人蕉	*Ravenala madagascariensis*	225	2	7	FELL	FELL
T3246	3508	811781.333	819371.272	旅人蕉	*Ravenala madagascariensis*	205	2	5	FELL	FELL
T3247	3508	811781.182	819370.349	旅人蕉	*Ravenala madagascariensis*	180	2	5	FELL	FELL
T3249	3508	811779.345	819371.573	旅人蕉	*Ravenala madagascariensis*	190	2	4	FELL	FELL
T3251	3508	811779.58	819369.814	旅人蕉	*Ravenala madagascariensis*	225	2	5	FELL	FELL
T3252	3508	811778.849	819369.583	旅人蕉	*Ravenala madagascariensis*	300	3	6	FELL	FELL
T3253	3508	811778.456	819371.121	旅人蕉	*Ravenala madagascariensis*	240	2	5	FELL	FELL
T3254	3508	811778.312	819371.932	旅人蕉	*Ravenala madagascariensis*	160	1	4	FELL	FELL
T3257	3508	811776.588	819367.776	旅人蕉	*Ravenala madagascariensis*	320	3	6	FELL	FELL
T3258	3508	811775.177	819367.931	旅人蕉	*Ravenala madagascariensis*	185	2	5	FELL	FELL
T3259	3508	811775.361	819369.156	旅人蕉	*Ravenala madagascariensis*	250	3	5	FELL	FELL
T3261	3508	811773.379	819369.093	旅人蕉	*Ravenala madagascariensis*	195	3	5	FELL	FELL
T3262	3508	811774.002	819368.351	旅人蕉	*Ravenala madagascariensis*	180	2	5	FELL	FELL
T3263	3508	811771.89	819366.486	旅人蕉	*Ravenala madagascariensis*	190	2	4	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T3264	3508	811771.088	819366.016	旅人蕉	*Ravenala madagascariensis*	240	3	7	FELL	FELL
T3265	3508	811769.706	819366.018	旅人蕉	*Ravenala madagascariensis*	195	2	5	FELL	FELL
T3267	3508	811769.313	819365.038	旅人蕉	*Ravenala madagascariensis*	240	3	6	FELL	FELL
T3268	3508	811769.131	819363.843	旅人蕉	*Ravenala madagascariensis*	250	4	7	FELL	FELL
T3269	3508	811768.539	819363.532	旅人蕉	*Ravenala madagascariensis*	190	2	5	FELL	FELL
T3270	3508	811767.228	819363.494	旅人蕉	*Ravenala madagascariensis*	275	4	7	FELL	FELL
T3271	3508	811766.091	819363.28	旅人蕉	*Ravenala madagascariensis*	195	4	6	FELL	FELL
T3272	3508	811766.769	819362.548	旅人蕉	*Ravenala madagascariensis*	190	2	4	FELL	FELL
T3274	3508	811765.133	819362.515	旅人蕉	*Ravenala madagascariensis*	175	3	6	FELL	FELL
T3275	3508	811766.086	819361.46	旅人蕉	*Ravenala madagascariensis*	265	4	7	FELL	FELL
T3276	3508	811763.267	819362.075	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL
T3277	3508	811763.26	819362.943	旅人蕉	*Ravenala madagascariensis*	225	4	7	FELL	FELL
T3278	3508	811762.231	819362.993	旅人蕉	*Ravenala madagascariensis*	210	4	7	FELL	FELL
T3280	3508	811761.398	819362.354	旅人蕉	*Ravenala madagascariensis*	180	4	6	FELL	FELL
T3281	3508	811761.25	819360.106	旅人蕉	*Ravenala madagascariensis*	210	3	6	FELL	FELL
T3283	3508	811759.698	819360.757	旅人蕉	*Ravenala madagascariensis*	220	4	7	FELL	FELL
T3284	3508	811759.299	819361.152	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL
T3285	3508	811758.618	819360.88	旅人蕉	*Ravenala madagascariensis*	210	5	7	FELL	FELL
T3286	3508	811758.691	819360.538	旅人蕉	*Ravenala madagascariensis*	240	5	7	FELL	FELL
T3287	3508	811762.395	819358.787	旅人蕉	*Ravenala madagascariensis*	190	4	6	FELL	FELL
T3288	3508	811759.039	819358.441	旅人蕉	*Ravenala madagascariensis*	230	4	7	FELL	FELL
T3289	3508	811758.127	819358.081	旅人蕉	*Ravenala madagascariensis*	225	2	4	FELL	FELL
T3290	3508	811757.34	819357.477	旅人蕉	*Ravenala madagascariensis*	170	3	6	FELL	FELL
T3291	3508	811757.98	819356.907	旅人蕉	*Ravenala madagascariensis*	200	4	6	FELL	FELL
T3292	3508	811759.728	819357.014	旅人蕉	*Ravenala madagascariensis*	260	3	6	FELL	FELL
T3293	3508	811758.928	819356.538	旅人蕉	*Ravenala madagascariensis*	260	3	7	FELL	FELL
T3295	3508	811757.189	819356.424	旅人蕉	*Ravenala madagascariensis*	195	4	7	FELL	FELL
T3297	3508	811756.592	819355.333	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL
T3298	3508	811756.309	819353.534	旅人蕉	*Ravenala madagascariensis*	205	2	4	FELL	FELL
T3299	3508	811758.065	819353.885	旅人蕉	*Ravenala madagascariensis*	210	4	7	FELL	FELL
T3300	3508	811759.973	819354.088	旅人蕉	*Ravenala madagascariensis*	260	4	7	FELL	FELL
T3301	3508	811758.85	819353.072	旅人蕉	*Ravenala madagascariensis*	275	4	7	FELL	FELL
T3302	3508	811757.3	819352.962	旅人蕉	*Ravenala madagascariensis*	170	2	4	FELL	FELL
T3303	3508	811757.191	819352.096	旅人蕉	*Ravenala madagascariensis*	220	3	6	FELL	FELL
T3304	3508	811757.087	819351.718	旅人蕉	*Ravenala madagascariensis*	235	4	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T3305	3508	811757.216	819350.691	旅人蕉	*Ravenala madagascariensis*	170	2	5	FELL	FELL
T3306	3508	811756.398	819350.596	旅人蕉	*Ravenala madagascariensis*	195	3	7	FELL	FELL
T3307	3508	811757.131	819350.006	旅人蕉	*Ravenala madagascariensis*	175	3	6	FELL	FELL
T3308	3508	811757.886	819350.317	旅人蕉	*Ravenala madagascariensis*	230	4	7	FELL	FELL
T3309	3508	811757.174	819349.127	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL
T3310	3508	811756.203	819349.138	旅人蕉	*Ravenala madagascariensis*	165	2	4	FELL	FELL
T3311	3508	811756.135	819348.567	旅人蕉	*Ravenala madagascariensis*	210	3	7	FELL	FELL
T3312	3508	811756.021	819347.646	旅人蕉	*Ravenala madagascariensis*	185	2	6	FELL	FELL
T3313	3508	811755.943	819346.761	旅人蕉	*Ravenala madagascariensis*	230	3	7	FELL	FELL
T3314	3508	811755.74	819345.509	旅人蕉	*Ravenala madagascariensis*	215	4	6	FELL	FELL
T3315	3508	811756.436	819345.096	旅人蕉	*Ravenala madagascariensis*	190	4	6	FELL	FELL
T3316	3508	811757.139	819345.071	旅人蕉	*Ravenala madagascariensis*	225	4	7	FELL	FELL
T3317	3508	811755.759	819344.188	旅人蕉	*Ravenala madagascariensis*	160	2	4	FELL	FELL
T3318	3508	811755.53	819343.109	旅人蕉	*Ravenala madagascariensis*	175	3	5	FELL	FELL
T3319	3508	811756.33	819342.842	旅人蕉	*Ravenala madagascariensis*	210	3	7	FELL	FELL
T3320	3508	811757.238	819342.267	旅人蕉	*Ravenala madagascariensis*	240	4	7	FELL	FELL
T3321	3508	811756.174	819341.593	旅人蕉	*Ravenala madagascariensis*	240	4	6	FELL	FELL
T3322	3508	811755.457	819341.648	旅人蕉	*Ravenala madagascariensis*	225	4	7	FELL	FELL
T3323	3508	811755.869	819339.663	旅人蕉	*Ravenala madagascariensis*	220	4	7	FELL	FELL
T3324	3508	811756.684	819338.653	旅人蕉	*Ravenala madagascariensis*	255	4	7	FELL	FELL
T3325	3508	811755.798	819338.158	旅人蕉	*Ravenala madagascariensis*	155	2	4	FELL	FELL
T3326	3508	811754.877	819336.811	旅人蕉	*Ravenala madagascariensis*	225	4	7	FELL	FELL
T3327	3508	811754.671	819335.895	旅人蕉	*Ravenala madagascariensis*	190	4	7	FELL	FELL
T3329	3508	811756.388	819336.699	旅人蕉	*Ravenala madagascariensis*	240	4	7	FELL	FELL
T3330	3508	811756.242	819335.482	旅人蕉	*Ravenala madagascariensis*	290	4	7	FELL	FELL
T3331	3508	811756.938	819334.873	旅人蕉	*Ravenala madagascariensis*	295	4	6	FELL	FELL
T3332	3508	811757.091	819335.5	旅人蕉	*Ravenala madagascariensis*	215	4	7	FELL	FELL
T3333	3508	811757.537	819336.435	旅人蕉	*Ravenala madagascariensis*	250	4	7	FELL	FELL
T3334	3508	811757.404	819337.117	旅人蕉	*Ravenala madagascariensis*	195	3	5	FELL	FELL
T3335	3508	811757.6	819337.982	旅人蕉	*Ravenala madagascariensis*	155	4	6	FELL	FELL
T3336	3508	811758.023	819338.924	旅人蕉	*Ravenala madagascariensis*	270	4	7	FELL	FELL
T3337	3508	811758.152	819340.682	旅人蕉	*Ravenala madagascariensis*	170	2	5	FELL	FELL
T3338	3508	811758.257	819341.327	旅人蕉	*Ravenala madagascariensis*	135	3	6	FELL	FELL
T3339	3508	811758.517	819343.514	旅人蕉	*Ravenala madagascariensis*	205	4	6	FELL	FELL
T3340	3508	811758.605	819344.168	旅人蕉	*Ravenala madagascariensis*	245	4	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T3341	3508	811757.826	819345.021	旅人蕉	*Ravenala madagascariensis*	240	4	7	FELL	FELL
T3343	3508	811758.711	819345.938	旅人蕉	*Ravenala madagascariensis*	200	4	7	FELL	FELL
T3344	3508	811759.072	819346.491	旅人蕉	*Ravenala madagascariensis*	225	5	7	FELL	FELL
T3345	3508	811757.945	819346.755	旅人蕉	*Ravenala madagascariensis*	215	5	9	FELL	FELL
T3346	3508	811759.372	819349.598	旅人蕉	*Ravenala madagascariensis*	205	4	9	FELL	FELL
T3347	3508	811760.149	819349.718	旅人蕉	*Ravenala madagascariensis*	210	4	8	FELL	FELL
T3348	3508	811760.521	819350.578	旅人蕉	*Ravenala madagascariensis*	220	4	8	FELL	FELL
T3349	3508	811759.632	819351.472	旅人蕉	*Ravenala madagascariensis*	220	4	8	FELL	FELL
T3351	3508	811762.121	819353.723	旅人蕉	*Ravenala madagascariensis*	175	5	8	FELL	FELL
T3352	3508	811761.623	819354.983	旅人蕉	*Ravenala madagascariensis*	180	4	6	FELL	FELL
T3354	3508	811761.639	819356.48	旅人蕉	*Ravenala madagascariensis*	300	5	9	FELL	FELL
T3359	3508	811764.302	819356.455	旅人蕉	*Ravenala madagascariensis*	180	5	7	FELL	FELL
T3360	3508	811763.732	819357.017	旅人蕉	*Ravenala madagascariensis*	175	4	7	FELL	FELL
T3362	3508	811763.889	819357.764	旅人蕉	*Ravenala madagascariensis*	215	5	9	FELL	FELL
T3365	3508	811760.324	819363.114	旅人蕉	*Ravenala madagascariensis*	230	4	6	FELL	FELL
T3366	3508	811761.428	819363.506	旅人蕉	*Ravenala madagascariensis*	230	3	5	FELL	FELL
T3367	3508	811763.679	819359.981	旅人蕉	*Ravenala madagascariensis*	215	5	8	FELL	FELL
T3368	3508	811763.718	819359.146	旅人蕉	*Ravenala madagascariensis*	225	5	9	FELL	FELL
T3369	3508	811764.646	819359.399	旅人蕉	*Ravenala madagascariensis*	240	5	8	FELL	FELL
T3370	3508	811764.844	819360.38	旅人蕉	*Ravenala madagascariensis*	215	5	8	FELL	FELL
T3371	3508	811765.707	819358.939	旅人蕉	*Ravenala madagascariensis*	300	6	10	FELL	FELL
T3372	3508	811765.346	819357.231	旅人蕉	*Ravenala madagascariensis*	190	4	7	FELL	FELL
T3374	3508	811766.017	819358.613	旅人蕉	*Ravenala madagascariensis*	170	5	8	FELL	FELL
T3375	3508	811766.919	819359.104	旅人蕉	*Ravenala madagascariensis*	150	1	4	FELL	FELL
T3376	3508	811766.847	819359.968	旅人蕉	*Ravenala madagascariensis*	180	4	6	FELL	FELL
T3377	3508	811766.274	819360.745	旅人蕉	*Ravenala madagascariensis*	215	4	8	FELL	FELL
T3381	3508	811768.397	819361.218	旅人蕉	*Ravenala madagascariensis*	255	5	8	FELL	FELL
T3382	3508	811768.024	819362.166	旅人蕉	*Ravenala madagascariensis*	235	5	8	FELL	FELL
T3383	3508	811769.153	819362.035	旅人蕉	*Ravenala madagascariensis*	220	5	8	FELL	FELL
T3384	3508	811770.043	819361.481	旅人蕉	*Ravenala madagascariensis*	240	4	8	FELL	FELL
T3385	3508	811770.777	819361.827	旅人蕉	*Ravenala madagascariensis*	205	5	8	FELL	FELL
T3386	3508	811771.22	819362.531	旅人蕉	*Ravenala madagascariensis*	170	4	7	FELL	FELL
T3387	3508	811771.576	819363.64	旅人蕉	*Ravenala madagascariensis*	190	4	6	FELL	FELL
T3389	3508	811772.795	819363.644	旅人蕉	*Ravenala madagascariensis*	240	5	8	FELL	FELL
T3390	3508	811772.675	819365.467	旅人蕉	*Ravenala madagascariensis*	210	4	8	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T3391	3508	811773.112	819365.981	旅人蕉	*Ravenala madagascariensis*	180	4	8	FELL	FELL
T3392	3508	811774.552	819366.576	旅人蕉	*Ravenala madagascariensis*	225	5	9	FELL	FELL
T3393	3508	811775.034	819365.948	旅人蕉	*Ravenala madagascariensis*	265	5	7	FELL	FELL
T3394	3508	811775.921	819365.872	旅人蕉	*Ravenala madagascariensis*	205	5	7	FELL	FELL
T3396	3508	811777.003	819366.688	旅人蕉	*Ravenala madagascariensis*	260	3	5	FELL	FELL
T3397	3508	811777.758	819367.55	旅人蕉	*Ravenala madagascariensis*	210	5	7	FELL	FELL
T3398	3508	811777.985	819367.917	旅人蕉	*Ravenala madagascariensis*	220	5	9	FELL	FELL
T3401	3508	811780.723	819368.723	旅人蕉	*Ravenala madagascariensis*	240	5	9	FELL	FELL
T3402	3508	811781.586	819368.578	旅人蕉	*Ravenala madagascariensis*	275	5	9	FELL	FELL
T3403	3508	811782.707	819368.416	旅人蕉	*Ravenala madagascariensis*	225	5	8	FELL	FELL
T3406	3508	811783.636	819368.51	旅人蕉	*Ravenala madagascariensis*	190	4	7	FELL	FELL
T3407	3508	811783.556	819368.971	旅人蕉	*Ravenala madagascariensis*	165	3	6	FELL	FELL
T0011	3602	810180.477	817207.006	台灣相思	*Acacia confusa*	150	1	1	FELL	FELL
T0012	3602	810179.159	817207.274	台灣相思	*Acacia confusa*	130	5	7	FELL	FELL
T0013	3602	810177.179	817208.138	台灣相思	*Acacia confusa*	130	5	8	FELL	FELL
T0017	3602	810175.155	817196.108	台灣相思	*Acacia confusa*	170	7	10	FELL	FELL
T0024	3602	810169.093	817197.334	台灣相思	*Acacia confusa*	220	6	8	FELL	FELL
T0037	3602	810157.141	817206.661	潺槁樹	*Litsea glutinosa*	75	2	5	FELL	FELL
T0039	3602	810155.564	817205.236	潺槁樹	*Litsea glutinosa*	130	4	7	FELL	FELL
T0045	3602	810154.491	817206.957	台灣相思	*Acacia confusa*	150	4	9	FELL	FELL
T0001	3603	810118.790	817215.640	木麻黃	*Casuarina equisetifolia*	300	4	12	FELL	FELL
T0002	3603	810119.320	817216.590	木麻黃	*Casuarina equisetifolia*	160	2	12	FELL	FELL
T0003	3603	810119.670	817217.600	木麻黃	*Casuarina equisetifolia*	350	6	14	FELL	FELL
T0004	3603	810118.230	817217.370	木麻黃	*Casuarina equisetifolia*	280	4	14	FELL	FELL
T0005	3603	810118.250	817219.540	台灣相思	*Acacia confusa*	140	6	10	FELL	FELL
T0006	3603	810119.500	817219.490	台灣相思	*Acacia confusa*	100	4	8	FELL	FELL
T0007	3603	810120.780	817219.460	台灣相思	*Acacia confusa*	180	4	10	FELL	FELL
T0008	3603	810121.960	817219.460	台灣相思	*Acacia confusa*	320	5	12	FELL	FELL
T0009	3603	810122.800	817220.530	台灣相思	*Acacia confusa*	220	4	10	FELL	FELL
T0010	3603	810123.750	817223.180	台灣相思	*Acacia confusa*	240	6	10	FELL	FELL
T0011	3603	810122.730	817223.150	台灣相思	*Acacia confusa*	100	2	6	FELL	FELL
T0012	3603	810121.750	817223.030	台灣相思	*Acacia confusa*	140	2	6	FELL	FELL
T0013	3603	810120.700	817223.070	台灣相思	*Acacia confusa*	110	2	6	FELL	FELL
T0014	3603	810119.880	817223.860	台灣相思	*Acacia confusa*	250	4	3	FELL	FELL
T0015	3603	810118.860	817223.720	台灣相思	*Acacia confusa*	95	2	3	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T0016	3603	810116.600	817216.520	木麻黃	*Casuarina equisetifolia*	180	4	14	FELL	FELL
T0017	3603	810116.130	817215.340	木麻黃	*Casuarina equisetifolia*	240	2	9	FELL	FELL
T0018	3603	810114.700	817215.720	台灣相思	*Acacia confusa*	95	2	3	FELL	FELL
T0019	3603	810113.270	817216.170	台灣相思	*Acacia confusa*	130	4	8	FELL	FELL
T0020	3603	810111.820	817216.720	台灣相思	*Acacia confusa*	220	4	8	FELL	FELL
T0021	3603	810110.220	817217.320	台灣相思	*Acacia confusa*	130	4	8	FELL	FELL
T0022	3603	810108.500	817218.010	台灣相思	*Acacia confusa*	110	4	8	FELL	FELL
T0023	3603	810111.520	817223.560	木麻黃	*Casuarina equisetifolia*	130	2	6	FELL	FELL
T0024	3603	##########	817224.7300	木麻黃	*Casuarina equisetifolia*	190	5	10	FELL	FELL
T0025	3603	810109.680	817224.990	木麻黃	*Casuarina equisetifolia*	120	4	5	FELL	FELL
T0026	3603	810107.820	817226.460	木麻黃	*Casuarina equisetifolia*	100	4	8	FELL	FELL
T0027	3603	810105.840	817220.800	木麻黃	*Casuarina equisetifolia*	120	2	8	FELL	FELL
T0028	3603	810104.720	817221.940	木麻黃	*Casuarina equisetifolia*	360	4	12	FELL	FELL
T0029	3603	810102.930	817221.390	木麻黃	*Casuarina equisetifolia*	150	4	10	FELL	FELL
T0030	3603	810103.180	817222.960	木麻黃	*Casuarina equisetifolia*	95	2	6	FELL	FELL
T0031	3603	810101.200	817222.690	木麻黃	*Casuarina equisetifolia*	95	2	5	FELL	FELL
T0032	3603	810099.260	817220.710	耳果相思	*Acacia auriculiformis*	200	5	8	FELL	FELL
T0033	3603	810097.520	817221.950	木麻黃	*Casuarina equisetifolia*	120	4	8	FELL	FELL
T0034	3603	810093.510	817224.570	台灣相思	*Acacia confusa*	300	8	7	FELL	FELL
T0035	3603	810089.380	817223.780	朴樹	*Celtis sinensis*	120	3	7	FELL	FELL
T0036	3603	810087.450	817224.160	木麻黃	*Casuarina equisetifolia*	350	6	12	FELL	FELL
T0037	3603	810085.730	817224.500	木麻黃	*Casuarina equisetifolia*	220	4	12	FELL	FELL
T0038	3603	810083.860	817224.980	木麻黃	*Casuarina equisetifolia*	140	4	12	FELL	FELL
T0039	3603	810082.510	817225.460	木麻黃	*Casuarina equisetifolia*	95	2	3	FELL	FELL
T0040	3603	810084.300	817228.720	木麻黃	*Casuarina equisetifolia*	120	4	12	FELL	FELL
T0041	3603	810087.590	817227.180	木麻黃	*Casuarina equisetifolia*	140	4	8	FELL	FELL
T0042	3603	810088.640	817228.040	木麻黃	*Casuarina equisetifolia*	140	4	8	FELL	FELL
T0043	3603	810087.590	817228.760	木麻黃	*Casuarina equisetifolia*	200	5	14	FELL	FELL
T0044	3603	810089.840	817233.090	耳果相思	*Acacia auriculiformis*	180	3	5	FELL	FELL
T0045	3603	810088.540	817234.610	木麻黃	*Casuarina equisetifolia*	140	4	10	FELL	FELL
T0046	3603	810087.270	817235.070	木麻黃	*Casuarina equisetifolia*	140	2	8	FELL	FELL
T0047	3603	810085.680	817234.700	木麻黃	*Casuarina equisetifolia*	190	4	8	FELL	FELL
T0048	3603	810084.710	817235.790	木麻黃	*Casuarina equisetifolia*	180	4	10	FELL	FELL
T0049	3603	810083.440	817236.080	木麻黃	*Casuarina equisetifolia*	180	4	12	FELL	FELL
T0050	3603	810082.060	817235.100	台灣相思	*Acacia confusa*	100	4	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T0051	3603	810080.580	817235.560	台灣相思	*Acacia confusa*	100	2	4	FELL	FELL
T0052	3603	810078.510	817236.920	台灣相思	*Acacia confusa*	100	2	3	FELL	FELL
T0053	3603	810078.540	817233.440	台灣相思	*Acacia confusa*	150	4	6	FELL	FELL
T0054	3603	810077.740	817232.670	台灣相思	*Acacia confusa*	220	4	8	FELL	FELL
T0055	3603	810077.090	817231.690	台灣相思	*Acacia confusa*	95	2	4	FELL	FELL
T0056	3603	810075.810	817232.260	台灣相思	*Acacia confusa*	140	4	7	FELL	FELL
T0057	3603	810077.380	817236.770	台灣相思	*Acacia confusa*	120	4	6	FELL	FELL
T0058	3603	810076.280	817236.780	台灣相思	*Acacia confusa*	95	2	4	FELL	FELL
T0059	3603	810075.310	817237.510	台灣相思	*Acacia confusa*	95	2	3	FELL	FELL
T0060	3603	810075.000	817235.020	耳果相思	*Acacia auriculiformis*	110	2	8	FELL	FELL
T0061	3603	810074.260	817238.480	木麻黃	*Casuarina equisetifolia*	160	4	12	FELL	FELL
T0062	3603	810075.230	817239.370	木麻黃	*Casuarina equisetifolia*	300	5	14	FELL	FELL
T0063	3603	810073.800	817239.730	木麻黃	*Casuarina equisetifolia*	180	4	12	FELL	FELL
T0064	3603	810072.440	817240.290	木麻黃	*Casuarina equisetifolia*	180	4	12	FELL	FELL
T0065	3603	810072.360	817239.080	木麻黃	*Casuarina equisetifolia*	180	4	10	FELL	FELL
T0066	3603	810070.180	817237.990	台灣相思	*Acacia confusa*	95	1	3	FELL	FELL
T0067	3603	810069.040	817237.080	台灣相思	*Acacia confusa*	95	1	2	FELL	FELL
T0068	3603	810067.520	817234.480	木麻黃	*Casuarina equisetifolia*	140	4	12	FELL	FELL
T0069	3603	810066.920	817235.680	木麻黃	*Casuarina equisetifolia*	220	4	14	FELL	FELL
T0070	3603	810065.880	817234.540	木麻黃	*Casuarina equisetifolia*	220	4	14	FELL	FELL
CT1426	3801	811488.407	820155.898	大葉相思	*Acacia mangium*	120	5	5	RETAIN	FELL
CT1427	3801	811487.122	820155.523	大葉相思	*Acacia mangium*	410	15	8	RETAIN	FELL
CT1428	3801	811486.052	820154.674	大葉相思	*Acacia mangium*	390	16	7	RETAIN	FELL
CT1429	3801	811485.208	820154.697	潺槁樹	*Litsea glutinosa*	149	9	6	RETAIN	FELL
CT1432	3801	811486.363	820148.963	紅膠木	*Lophostemon confertus*	110	7	4	RETAIN	FELL
CT1433	3801	811483.288	820147.865	大葉相思	*Acacia mangium*	280	13	5	RETAIN	FELL
CT1515	3801	811445.192	820185.063	羊蹄甲屬	*Bauhinia sp.*	160	7	4	RETAIN	FELL
CT1516	3801	811447.273	820185.038	羊蹄甲屬	*Bauhinia sp.*	120	6	4	RETAIN	FELL
CT1517	3801	811449.007	820185.903	楝	*Melia azedarach*	140	5	5	RETAIN	FELL
CT1518	3801	811502.864	820197.557	大葉相思	*Acacia mangium*	310	10	7	RETAIN	FELL
CT1519	3801	811503.390	820198.788	紅膠木	*Lophostemon confertus*	140	6	5	RETAIN	FELL
CT1520	3801	811503.420	820197.576	大葉相思	*Acacia mangium*	150	8	5	RETAIN	FELL
CT1521	3801	811504.484	820198.881	紅膠木	*Lophostemon confertus*	110	5	5	RETAIN	FELL
CT1522	3801	811507.675	820200.094	大葉相思	*Acacia mangium*	300	11	8	RETAIN	FELL
CT1523	3801	811509.224	820197.715	台灣相思	*Acacia confusa*	480	10	10	RETAIN	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1524	3801	811512.232	820199.176	潺槁樹	*Litsea glutinosa*	340	7	8	RETAIN	FELL
P252/CT558A	3801	811673.066	820042.919	楝	*Melia azedarach*	339	9	6	FELL	FELL
T10	3728	810926.352	817590.1991	銀合歡	*Leucaena leucocephala*	116	4	3	N/A	FELL
T11	3728	810932.044	817581.0358	銀合歡	*Leucaena leucocephala*	115	5	8	N/A	FELL
T12	3728	810922.446	817584.5594	苦楝	*Melia azedarach*	316	7	11	N/A	FELL
T13	3728	810928.734	817578.2439	銀合歡	*Leucaena leucocephala*	354	9	11	N/A	FELL
T14	3728	810918.485	817579.8364	銀合歡	*Leucaena leucocephala*	171	6	9	N/A	FELL
T15	3728	810917.813	817576.1966	銀合歡	*Leucaena leucocephala*	225	6	9	N/A	FELL
T16	3728	810917.559	817573.5636	銀合歡	*Leucaena leucocephala*	110	3	7	N/A	FELL
T17	3728	810914.599	817579.5789	銀合歡	*Leucaena leucocephala*	130	2	4	N/A	FELL
T18	3728	810911.781	817579.0712	銀合歡	*Leucaena leucocephala*	115	2	4	N/A	FELL
T19	3728	810907.951	817578.5835	銀合歡	*Leucaena leucocephala*	210	1	2	N/A	FELL
T2	3728	810950.978	817585.7448	銀合歡	*Leucaena leucocephala*	231	4	9	N/A	FELL
T20	3728	810885.493	817576.2373	銀合歡	*Leucaena leucocephala*	302	6	8	N/A	FELL
T21	3728	810892.359	817561.2137	銀合歡	*Leucaena leucocephala*	115	4	8	N/A	FELL
T22	3728	810891.989	817552.3865	苦楝	*Melia azedarach*	430	9	12	N/A	FELL
T23	3728	810895.11	817551.9523	苦楝	*Melia azedarach*	260	6	12	N/A	FELL
T24	3728	810890.451	817544.1072	銀合歡	*Leucaena leucocephala*	108	4	8	N/A	FELL
T25	3728	810898.692	817543.823	銀合歡	*Leucaena leucocephala*	103	4	8	N/A	FELL
T26	3728	810894.559	817539.3592	苦楝	*Melia azedarach*	250	6	11	N/A	FELL
T27	3728	810901.987	817539.7597	苦楝	*Melia azedarach*	128	4	9	N/A	FELL
T28	3728	810899.352	817536.9166	苦楝	*Melia azedarach*	125	3	9	N/A	FELL
T29	3728	810899.459	817531.8931	銀合歡	*Leucaena leucocephala*	112	5	9	N/A	FELL
T3	3728	810943.575	817597.863	桑樹	*Morus alba*	422	6	8	N/A	FELL
T30	3728	810898.822	817526.3778	銀合歡	*Leucaena leucocephala*	260	6	11	N/A	FELL
T31	3728	810906.499	817531.296	苦楝	*Melia azedarach*	346	6	11	N/A	FELL
T32	3728	810909.742	817536.112	銀合歡	*Leucaena leucocephala*	165	3	6	N/A	FELL
T33	3728	810913.987	817533.9101	苦楝	*Melia azedarach*	152	3	11	N/A	FELL
T34	3728	810920.998	817538.4257	苦楝	*Melia azedarach*	224	4	11	N/A	FELL
T35	3728	810910.791	817542.6334	銀合歡	*Leucaena leucocephala*	160	4	9	N/A	FELL
T36	3728	810927.231	817538.213	苦楝	*Melia azedarach*	224	3	9	N/A	FELL
T37	3728	810937.923	817547.963	苦楝	*Melia azedarach*	485	6	11	N/A	FELL
T38	3728	810941.147	817545.1523	苦楝	*Melia azedarach*	280	4	10	N/A	FELL
T39	3728	810942.945	817548.5522	銀合歡	*Leucaena leucocephala*	181	3	7	N/A	FELL
T4	3728	810945.972	817585.3292	銀合歡	*Leucaena leucocephala*	120	6	7	N/A	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T40	3728	810941.149	817552.2427	死樹	*Dead Tree*	170	1	1	N/A	FELL
T41	3728	810942.508	817560.8958	銀合歡	*Leucaena leucocephala*	200	2	9	N/A	FELL
T42	3728	810945.122	817560.6361	銀合歡	*Leucaena leucocephala*	125	4	9	N/A	FELL
T43	3728	810947.353	817560.2992	銀合歡	*Leucaena leucocephala*	180	4	9	N/A	FELL
T44	3728	810951.247	817564.1559	苦楝	*Melia azedarach*	195	4	8	N/A	FELL
T45	3728	810952.751	817560.8097	銀合歡	*Leucaena leucocephala*	155	4	8	N/A	FELL
T46	3728	810951.596	817547.2889	銀合歡	*Leucaena leucocephala*	112	4	7	N/A	FELL
T47	3728	810957.042	817548.7489	銀合歡	*Leucaena leucocephala*	118	2	7	N/A	FELL
T48	3728	810962.614	817550.4222	銀合歡	*Leucaena leucocephala*	105	2	7	N/A	FELL
T49	3728	810960.183	817562.4621	銀合歡	*Leucaena leucocephala*	140	5	6	N/A	FELL
T5	3728	810941.155	817587.5835	銀合歡	*Leucaena leucocephala*	148	4	8	N/A	FELL
T50	3728	810956.376	817569.1987	銀合歡	*Leucaena leucocephala*	120	5	1	N/A	FELL
T51	3728	810953.92	817570.7445	銀合歡	*Leucaena leucocephala*	120	4	8	N/A	FELL
T52	3728	810951.621	817567.9158	銀合歡	*Leucaena leucocephala*	120	4	8	N/A	FELL
T53	3728	810934.544	817572.5227	苦楝	*Melia azedarach*	150	4	8	N/A	FELL
T54	3728	810937.99	817568.9962	銀合歡	*Leucaena leucocephala*	128	4	2	N/A	FELL
T55	3728	810931.941	817569.193	銀合歡	*Leucaena leucocephala*	190	5	8	N/A	FELL
T56	3728	810933.942	817565.69	台灣相思	*Acacia confusa*	255	6	9	N/A	FELL
T57	3728	810929.98	817551.5172	死樹	*Dead Tree*	635	6	1	N/A	FELL
T58	3728	810925.654	817553.3724	台灣相思	*Acacia confusa*	214	5	6	N/A	FELL
T59	3728	810927.835	817546.2148	銀合歡	*Leucaena leucocephala*	97	4	7	N/A	FELL
T6	3728	810933.721	817586.5055	銀合歡	*Leucaena leucocephala*	120	3	8	N/A	FELL
T60	3728	810924.046	817549.1364	銀合歡	*Leucaena leucocephala*	158	4	7	N/A	FELL
T61	3728	810905.453	817549.389	銀合歡	*Leucaena leucocephala*	191	9	8	N/A	FELL
T62	3728	810906.046	817545.2812	銀合歡	*Leucaena leucocephala*	140	2	4	N/A	FELL
T63	3728	810919.658	817559.2558	銀合歡	*Leucaena leucocephala*	105	4	8	N/A	FELL
T64	3728	810928.297	817572.6426	銀合歡	*Leucaena leucocephala*	159	8	8	N/A	FELL
T65	3728	810953.852	817574.9112	銀合歡	*Leucaena leucocephala*	140	2	4	N/A	FELL
T66	3728	810951.252	817578.575	銀合歡	*Leucaena leucocephala*	130	6	8	N/A	FELL
T67	3728	810948.065	817581.1369	銀合歡	*Leucaena leucocephala*	177	6	7	N/A	FELL
T68	3728	810761.011	817525.228	銀合歡	*Leucaena leucocephala*	115	5	7	N/A	FELL
T69	3728	810756.935	817524.644	銀合歡	*Leucaena leucocephala*	145	6	7	N/A	FELL
T7	3728	810937.523	817591.1759	銀合歡	*Leucaena leucocephala*	120	3	2	N/A	FELL
T70	3728	810754.754	817524.141	銀合歡	*Leucaena leucocephala*	105	6	7	N/A	FELL
T71	3728	810752.983	817523.759	銀合歡	*Leucaena leucocephala*	145	3	4	N/A	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T72	3728	810749.067	817522.55	銀合歡	*Leucaena leucocephala*	165	5	7	N/A	FELL
T73	3728	810744.724	817521.199	銀合歡	*Leucaena leucocephala*	185	5	7	N/A	FELL
T74	3728	810745.409	817516.329	銀合歡	*Leucaena leucocephala*	125	5	6	N/A	FELL
T75	3728	810742.728	817515.565	銀合歡	*Leucaena leucocephala*	119	4	9	N/A	FELL
T76	3728	810739.095	817519.031	銀合歡	*Leucaena leucocephala*	100	4	6	N/A	FELL
T77	3728	810736.576	817518.08	苦楝	*Melia azedarach*	117	5	6	N/A	FELL
T78	3728	810732.543	817516.819	銀合歡	*Leucaena leucocephala*	113	4	7	N/A	FELL
T79	3728	810728.804	817515.445	銀合歡	*Leucaena leucocephala*	143	5	7	N/A	FELL
T8	3728	810936.881	817595.2206	銀合歡	*Leucaena leucocephala*	130	4	8	N/A	FELL
T9	3728	810930.206	817592.6487	銀合歡	*Leucaena leucocephala*	125	4	6	N/A	FELL
CT100	3801	811708.059	820136.975	銀合歡	*Leucaena leucocephala*	170	12	8	FELL	FELL
CT1000	3801	811607.372	820089.480	羊蹄甲屬	*Bauhinia sp.*	130	9	6	FELL	FELL
CT1001	3801	811606.424	820089.670	紅膠木	*Lophostemon confertus*	170	10	5	FELL	FELL
CT1002	3801	811609.506	820095.199	楝	*Melia azedarach*	300	13	9	FELL	FELL
CT1003	3801	811607.877	820095.079	羊蹄甲屬	*Bauhinia sp.*	110	6	4	FELL	FELL
CT1004	3801	811604.373	820092.891	台灣相思	*Acacia confusa*	200	11	7	FELL	FELL
CT1005	3801	811603.943	820091.949	台灣相思	*Acacia confusa*	160	11	5	FELL	FELL
CT1006	3801	811603.128	820090.076	台灣相思	*Acacia confusa*	286	14	9	FELL	FELL
CT1007	3801	811603.031	820091.028	台灣相思	*Acacia confusa*	150	10	4	FELL	FELL
CT1008	3801	811600.940	820091.174	台灣相思	*Acacia confusa*	140	11	5	FELL	FELL
CT1009	3801	811601.456	820091.886	台灣相思	*Acacia confusa*	110	11	5	FELL	FELL
CT101	3801	811709.156	820139.805	銀合歡	*Leucaena leucocephala*	130	11	6	FELL	FELL
CT1010	3801	811600.653	820092.141	台灣相思	*Acacia confusa*	110	10	4	FELL	FELL
CT1011	3801	811601.135	820093.077	台灣相思	*Acacia confusa*	240	12	7	FELL	FELL
CT1012	3801	811601.878	820095.769	黃槿	*Hibiscus tiliaceus*	225	9	8	FELL	FELL
CT1013	3801	811599.434	820095.420	大葉相思	*Acacia mangium*	190	11	5	FELL	FELL
CT1014	3801	811598.990	820091.664	羊蹄甲屬	*Bauhinia sp.*	270	10	7	FELL	FELL
CT1015	3801	811595.349	820090.995	大葉相思	*Acacia mangium*	220	13	6	FELL	FELL
CT1016	3801	811593.924	820091.210	大葉相思	*Acacia mangium*	220	10	5	FELL	FELL
CT1017	3801	811594.438	820091.634	大葉相思	*Acacia mangium*	270	12	6	FELL	FELL
CT1018	3801	811594.056	820092.363	大葉相思	*Acacia mangium*	250	12	6	FELL	FELL
CT1019	3801	811594.678	820094.767	台灣相思	*Acacia confusa*	160	11	6	FELL	FELL
CT102	3801	811704.726	820142.180	台灣相思	*Acacia confusa*	150	10	6	FELL	FELL
CT1020	3801	811593.529	820095.048	台灣相思	*Acacia confusa*	100	6	5	FELL	FELL
CT1021	3801	811592.600	820095.118	台灣相思	*Acacia confusa*	110	8	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1022	3801	811591.996	820093.947	台灣相思	*Acacia confusa*	130	6	6	FELL	FELL
CT1023	3801	811591.141	820093.820	台灣相思	*Acacia confusa*	200	11	7	FELL	FELL
CT1024	3801	811590.773	820092.600	台灣相思	*Acacia confusa*	140	8	6	FELL	FELL
CT1025	3801	811587.510	820091.877	楝	*Melia azedarach*	330	12	7	FELL	FELL
CT1026	3801	811586.993	820091.341	台灣相思	*Acacia confusa*	130	6	7	FELL	FELL
CT1027	3801	811585.559	820091.233	台灣相思	*Acacia confusa*	320	11	8	FELL	FELL
CT1028	3801	811585.686	820092.992	大葉相思	*Acacia mangium*	270	12	7	FELL	FELL
CT1029	3801	811585.350	820094.412	大葉相思	*Acacia mangium*	260	10	6	FELL	FELL
CT103	3801	811702.715	820142.816	台灣相思	*Acacia confusa*	140	12	7	FELL	FELL
CT1030	3801	811583.754	820092.969	楝	*Melia azedarach*	210	11	6	FELL	FELL
CT1031	3801	811583.108	820096.896	台灣相思	*Acacia confusa*	120	5	4	FELL	FELL
CT1032	3801	811581.253	820091.932	紅膠木	*Lophostemon confertus*	180	10	5	FELL	FELL
CT1033	3801	811580.528	820092.523	大葉相思	*Acacia mangium*	100	8	4	FELL	FELL
CT1034	3801	811577.009	820091.211	羊蹄甲屬	*Bauhinia sp.*	100	6	6	FELL	FELL
CT1035	3801	811576.435	820092.461	台灣相思	*Acacia confusa*	150	6	7	FELL	FELL
CT1036	3801	811575.761	820090.461	羊蹄甲屬	*Bauhinia sp.*	170	11	9	FELL	FELL
CT1037	3801	811576.526	820093.358	大葉相思	*Acacia mangium*	280	11	9	FELL	FELL
CT1038	3801	811575.973	820093.172	台灣相思	*Acacia confusa*	110	7	7	FELL	FELL
CT1039	3801	811575.124	820093.899	台灣相思	*Acacia confusa*	110	8	6	FELL	FELL
CT104	3801	811701.026	820144.182	台灣相思	*Acacia confusa*	120	11	7	FELL	FELL
CT1040	3801	811574.214	820093.757	台灣相思	*Acacia confusa*	205	11	6	FELL	FELL
CT1041	3801	811574.478	820092.307	台灣相思	*Acacia confusa*	150	8	6	FELL	FELL
CT1042	3801	811573.330	820091.987	台灣相思	*Acacia confusa*	130	8	5	FELL	FELL
CT1043	3801	811572.789	820095.282	紅膠木	*Lophostemon confertus*	100	5	3	FELL	FELL
CT1044	3801	811571.245	820095.114	紅膠木	*Lophostemon confertus*	195	12	5	FELL	FELL
CT1045	3801	811568.545	820094.611	楝	*Melia azedarach*	280	12	10	FELL	FELL
CT1046	3801	811566.727	820093.252	紅膠木	*Lophostemon confertus*	230	10	5	FELL	FELL
CT1047	3801	811568.953	820091.315	楝	*Melia azedarach*	160	11	7	FELL	FELL
CT1048	3801	811568.353	820091.045	紅膠木	*Lophostemon confertus*	110	10	4	FELL	FELL
CT1049	3801	811567.019	820089.853	死樹	*Dead tree*	100	6	2	FELL	FELL
CT105	3801	811699.745	820145.874	台灣相思	*Acacia confusa*	110	10	6	FELL	FELL
CT1050	3801	811566.127	820091.444	羊蹄甲屬	*Bauhinia sp.*	130	10	5	FELL	FELL
CT1051	3801	811565.009	820089.141	大葉相思	*Acacia mangium*	180	11	4	FELL	FELL
CT1052	3801	811564.049	820090.051	羊蹄甲屬	*Bauhinia sp.*	190	11	6	FELL	FELL
CT1053	3801	811563.228	820088.533	台灣相思	*Acacia confusa*	160	10	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1054	3801	811562.323	820088.771	台灣相思	*Acacia confusa*	190	9	6	FELL	FELL
CT1055	3801	811561.331	820088.018	台灣相思	*Acacia confusa*	120	10	4	FELL	FELL
CT1056	3801	811561.552	820087.052	台灣相思	*Acacia confusa*	120	10	3	FELL	FELL
CT1057	3801	811564.132	820087.086	台灣相思	*Acacia confusa*	160	10	6	FELL	FELL
CT1058	3801	811561.629	820085.749	台灣相思	*Acacia confusa*	150	11	5	FELL	FELL
CT1059	3801	811559.710	820086.199	黃槿	*Hibiscus tiliaceus*	180	8	4	FELL	FELL
CT106	3801	811699.102	820145.128	台灣相思	*Acacia confusa*	100	9	5	FELL	FELL
CT1060	3801	811560.023	820085.072	黃槿	*Hibiscus tiliaceus*	180	10	5	FELL	FELL
CT1061	3801	811559.064	820085.206	黃槿	*Hibiscus tiliaceus*	180	10	6	FELL	FELL
CT1062	3801	811559.525	820084.247	黃槿	*Hibiscus tiliaceus*	130	10	5	FELL	FELL
CT1063	3801	811559.921	820084.002	黃槿	*Hibiscus tiliaceus*	150	11	5	FELL	FELL
CT1064	3801	811559.676	820083.576	死樹	*Dead tree*	190	10	4	FELL	FELL
CT1065	3801	811557.779	820082.453	紅膠木	*Lophostemon confertus*	130	10	4	FELL	FELL
CT1066	3801	811559.947	820081.485	羊蹄甲屬	*Bauhinia sp.*	180	10	8	FELL	FELL
CT1067	3801	811560.620	820080.298	羊蹄甲屬	*Bauhinia sp.*	110	6	6	FELL	FELL
CT1068	3801	811559.103	820079.650	死樹	*Dead tree*	110	7	5	FELL	FELL
CT1069	3801	811557.033	820074.486	大葉合歡	*Albizia lebbeck*	150	6	5	FELL	FELL
CT107	3801	811699.198	820146.775	台灣相思	*Acacia confusa*	130	10	7	FELL	FELL
CT1070	3801	811555.169	820069.753	黃槿	*Hibiscus tiliaceus*	110	5	5	FELL	FELL
CT1071	3801	811555.400	820068.590	黃槿	*Hibiscus tiliaceus*	110	6	7	FELL	FELL
CT1072	3801	811555.341	820068.535	黃槿	*Hibiscus tiliaceus*	100	8	4	FELL	FELL
CT1073	3801	811553.969	820067.809	黃槿	*Hibiscus tiliaceus*	160	7	4	FELL	FELL
CT1074	3801	811551.642	820068.428	羊蹄甲屬	*Bauhinia sp.*	130	6	3	FELL	FELL
CT1075	3801	811550.499	820068.186	羊蹄甲屬	*Bauhinia sp.*	110	6	3	FELL	FELL
CT1076	3801	811552.339	820064.925	黃槿	*Hibiscus tiliaceus*	180	8	5	FELL	FELL
CT1077	3801	811551.714	820064.022	黃槿	*Hibiscus tiliaceus*	100	7	2	FELL	FELL
CT1078	3801	811552.751	820064.019	黃槿	*Hibiscus tiliaceus*	120	7	5	FELL	FELL
CT1079	3801	811553.933	820064.056	黃槿	*Hibiscus tiliaceus*	230	10	7	FELL	FELL
CT108	3801	811695.784	820145.940	銀合歡	*Leucaena leucocephala*	122	11	7	FELL	FELL
CT1080	3801	811553.922	820063.035	黃槿	*Hibiscus tiliaceus*	170	10	10	FELL	FELL
CT1081	3801	811553.631	820062.288	黃槿	*Hibiscus tiliaceus*	170	10	6	FELL	FELL
CT1082	3801	811552.391	820062.737	黃槿	*Hibiscus tiliaceus*	150	10	7	FELL	FELL
CT1083	3801	811551.511	820061.720	台灣相思	*Acacia confusa*	150	10	5	FELL	FELL
CT1084	3801	811551.307	820062.904	黃槿	*Hibiscus tiliaceus*	130	9	5	FELL	FELL
CT1085	3801	811549.398	820063.355	黃槿	*Hibiscus tiliaceus*	140	8	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1086	3801	811549.346	820064.416	羊蹄甲屬	*Bauhinia sp.*	100	6	5	FELL	FELL
CT1087	3801	811555.660	820057.850	羊蹄甲屬	*Bauhinia sp.*	120	7	6	FELL	FELL
CT1088	3801	811548.880	820057.057	台灣相思	*Acacia confusa*	150	10	6	FELL	FELL
CT1089	3801	811548.236	820055.579	黃槿	*Hibiscus tiliaceus*	130	9	7	FELL	FELL
CT109	3801	811705.843	820144.767	台灣相思	*Acacia confusa*	120	8	9	FELL	FELL
CT1090	3801	811547.480	820056.281	黃槿	*Hibiscus tiliaceus*	220	8	9	FELL	FELL
CT1091	3801	811547.944	820054.095	黃槿	*Hibiscus tiliaceus*	130	9	6	FELL	FELL
CT1092	3801	811547.965	820053.037	黃槿	*Hibiscus tiliaceus*	170	9	6	FELL	FELL
CT1093	3801	811546.709	820054.670	黃槿	*Hibiscus tiliaceus*	120	9	6	FELL	FELL
CT1094	3801	811545.351	820054.741	黃槿	*Hibiscus tiliaceus*	180	8	8	FELL	FELL
CT1095	3801	811544.148	820054.496	黃槿	*Hibiscus tiliaceus*	270	9	10	FELL	FELL
CT1096	3801	811545.917	820053.257	黃槿	*Hibiscus tiliaceus*	120	5	4	FELL	FELL
CT1097	3801	811549.236	820052.378	台灣相思	*Acacia confusa*	190	10	5	FELL	FELL
CT1098	3801	811549.193	820051.175	黃花夾竹桃	*Thevetia peruviana*	110	5	4	FELL	FELL
CT1099	3801	811551.200	820051.622	台灣相思	*Acacia confusa*	110	9	5	FELL	FELL
CT110	3801	811706.547	820144.347	台灣相思	*Acacia confusa*	140	6	6	FELL	FELL
CT1100	3801	811554.902	820054.938	羊蹄甲屬	*Bauhinia sp.*	190	9	7	FELL	FELL
CT1101	3801	811551.836	820050.553	台灣相思	*Acacia confusa*	190	7	4	FELL	FELL
CT1102	3801	811551.922	820049.473	台灣相思	*Acacia confusa*	170	6	5	FELL	FELL
CT1103	3801	811559.421	820044.326	羊蹄甲屬	*Bauhinia sp.*	220	8	6	FELL	FELL
CT1104	3801	811559.250	820046.366	楝	*Melia azedarach*	600	13	10	FELL	FELL
CT1105	3801	811565.195	820043.652	大葉相思	*Acacia mangium*	290	13	8	FELL	FELL
CT1106	3801	811566.393	820042.044	黃槿	*Hibiscus tiliaceus*	290	10	8	FELL	FELL
CT1107	3801	811567.495	820042.292	黃槿	*Hibiscus tiliaceus*	130	7	7	FELL	FELL
CT1108	3801	811568.062	820041.905	黃槿	*Hibiscus tiliaceus*	150	11	5	FELL	FELL
CT1109	3801	811568.775	820041.524	黃槿	*Hibiscus tiliaceus*	150	10	6	FELL	FELL
CT111	3801	811710.312	820144.229	銀合歡	*Leucaena leucocephala*	120	14	6	FELL	FELL
CT1110	3801	811571.069	820040.143	台灣相思	*Acacia confusa*	260	15	8	FELL	FELL
CT1111	3801	811571.879	820039.158	台灣相思	*Acacia confusa*	150	5	4	FELL	FELL
CT1112	3801	811572.832	820038.796	台灣相思	*Acacia confusa*	180	7	7	FELL	FELL
CT1113	3801	811574.389	820038.694	羊蹄甲屬	*Bauhinia sp.*	120	7	6	FELL	FELL
CT1114	3801	811575.194	820037.855	大葉相思	*Acacia mangium*	240	15	5	FELL	FELL
CT1115	3801	811576.128	820037.145	大葉相思	*Acacia mangium*	300	15	6	FELL	FELL
CT1116	3801	811576.837	820037.461	大葉相思	*Acacia mangium*	180	14	4	FELL	FELL
CT1117	3801	811578.856	820036.349	大葉相思	*Acacia mangium*	350	15	10	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1118	3801	811581.254	820035.240	大葉相思	*Acacia mangium*	320	12	6	FELL	FELL
CT1119	3801	811581.266	820034.378	台灣相思	*Acacia confusa*	140	7	6	FELL	FELL
CT112	3801	811709.264	820144.397	銀合歡	*Leucaena leucocephala*	130	13	7	FELL	FELL
CT1120	3801	811582.400	820034.075	台灣相思	*Acacia confusa*	120	5	5	FELL	FELL
CT1121	3801	811585.549	820033.011	台灣相思	*Acacia confusa*	180	8	7	FELL	FELL
CT1122	3801	811586.315	820032.910	台灣相思	*Acacia confusa*	130	10	4	FELL	FELL
CT1123	3801	811587.468	820033.300	台灣相思	*Acacia confusa*	150	10	5	FELL	FELL
CT1124	3801	811587.897	820032.460	台灣相思	*Acacia confusa*	260	14	7	FELL	FELL
CT1125	3801	811593.367	820031.377	台灣相思	*Acacia confusa*	160	7	6	FELL	FELL
CT1126	3801	811594.803	820030.913	台灣相思	*Acacia confusa*	200	8	7	FELL	FELL
CT1127	3801	811598.796	820029.958	大葉相思	*Acacia mangium*	310	14	8	FELL	FELL
CT1128	3801	811599.528	820029.759	大葉相思	*Acacia mangium*	250	12	7	FELL	FELL
CT1129	3801	811608.477	820029.014	濕地松	*Pinus elliottii*	100	5	3	FELL	FELL
CT113	3801	811709.039	820146.496	台灣相思	*Acacia confusa*	130	9	7	FELL	FELL
CT1130	3801	811609.126	820028.329	濕地松	*Pinus elliottii*	140	10	4	FELL	FELL
CT1131	3801	811616.238	820030.840	台灣相思	*Acacia confusa*	140	7	7	FELL	FELL
CT1132	3801	811616.308	820031.851	台灣相思	*Acacia confusa*	190	10	6	FELL	FELL
CT1133	3801	811615.852	820033.203	台灣相思	*Acacia confusa*	220	13	8	FELL	FELL
CT1134	3801	811616.563	820034.090	台灣相思	*Acacia confusa*	240	15	8	FELL	FELL
CT1135	3801	811617.394	820032.983	台灣相思	*Acacia confusa*	170	11	6	FELL	FELL
CT1136	3801	811618.703	820033.940	台灣相思	*Acacia confusa*	130	12	4	FELL	FELL
CT1137	3801	811618.532	820032.164	台灣相思	*Acacia confusa*	240	15	7	FELL	FELL
CT1138	3801	811618.342	820030.837	死樹	*Dead tree*	140	8	5	FELL	FELL
CT1139	3801	811623.664	820032.115	黃槿	*Hibiscus tiliaceus*	100	6	4	FELL	FELL
CT114	3801	811707.566	820147.036	台灣相思	*Acacia confusa*	120	8	6	FELL	FELL
CT1141	3801	811626.059	820031.226	楝	*Melia azedarach*	350	16	10	FELL	FELL
CT1142	3801	811619.670	820038.156	大葉相思	*Acacia mangium*	154	9	4	FELL	FELL
CT1143	3801	811620.477	820039.727	大葉相思	*Acacia mangium*	250	15	4	FELL	FELL
CT1144	3801	811621.862	820039.024	大葉相思	*Acacia mangium*	110	7	2	FELL	FELL
CT1145	3801	811621.406	820040.377	大葉相思	*Acacia mangium*	140	14	3	FELL	FELL
CT1146	3801	811621.669	820040.969	大葉相思	*Acacia mangium*	220	15	4	FELL	FELL
CT1149	3801	811619.755	820042.274	台灣相思	*Acacia confusa*	370	11	7	FELL	FELL
CT115	3801	811707.393	820147.792	台灣相思	*Acacia confusa*	120	6	9	FELL	FELL
CT1152	3801	811618.639	820047.981	羊蹄甲屬	*Bauhinia sp.*	110	7	5	FELL	FELL
CT1154	3801	811622.603	820042.126	楝	*Melia azedarach*	270	16	8	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1155	3801	811624.929	820047.806	楝	*Melia azedarach*	350	16	7	FELL	FELL
CT1156	3801	811626.882	820047.854	大葉相思	*Acacia mangium*	200	15	4	FELL	FELL
CT1157	3801	811627.734	820047.406	大葉相思	*Acacia mangium*	210	15	4	FELL	FELL
CT1158	3801	811625.486	820032.298	大葉相思	*Acacia mangium*	200	15	4	FELL	FELL
CT116	3801	811706.347	820149.170	台灣相思	*Acacia confusa*	220	8	8	FELL	FELL
CT1164	3801	811632.061	820041.410	大葉相思	*Acacia mangium*	560	15	8	FELL	FELL
CT1165	3801	811634.854	820043.787	台灣相思	*Acacia confusa*	100	15	4	FELL	FELL
CT1166	3801	811634.853	820045.135	台灣相思	*Acacia confusa*	260	15	5	FELL	FELL
CT1167	3801	811635.727	820044.693	台灣相思	*Acacia confusa*	200	15	4	FELL	FELL
CT1168	3801	811637.726	820042.463	台灣相思	*Acacia confusa*	220	15	8	FELL	FELL
CT1169	3801	811638.538	820042.044	台灣相思	*Acacia confusa*	190	15	6	FELL	FELL
CT117	3801	811707.663	820148.779	楝	*Melia azedarach*	110	9	5	FELL	FELL
CT1170	3801	811640.857	820047.005	楝	*Melia azedarach*	260	16	5	FELL	FELL
CT1172	3801	811635.452	820050.197	大葉相思	*Acacia mangium*	170	13	5	FELL	FELL
CT1174	3801	811643.340	820044.909	楝	*Melia azedarach*	120	10	4	FELL	FELL
CT1175	3801	811647.168	820048.671	大葉相思	*Acacia mangium*	180	16	3	FELL	FELL
CT1176	3801	811646.197	820048.819	大葉相思	*Acacia mangium*	150	15	3	FELL	FELL
CT1177	3801	811647.399	820049.684	大葉相思	*Acacia mangium*	210	16	4	FELL	FELL
CT1178	3801	811646.640	820049.654	大葉相思	*Acacia mangium*	140	15	4	FELL	FELL
CT1179	3801	811645.758	820050.287	大葉相思	*Acacia mangium*	180	15	4	FELL	FELL
CT118	3801	811705.761	820150.826	銀合歡	*Leucaena leucocephala*	150	12	6	FELL	FELL
CT1180	3801	811645.450	820049.221	大葉相思	*Acacia mangium*	210	16	4	FELL	FELL
CT1181	3801	811643.271	820050.480	大葉相思	*Acacia mangium*	230	15	6	FELL	FELL
CT1183	3801	811643.274	820052.950	大葉相思	*Acacia mangium*	200	15	4	FELL	FELL
CT1184	3801	811642.496	820053.529	大葉相思	*Acacia mangium*	140	15	1	FELL	FELL
CT1185	3801	811645.629	820052.199	大葉相思	*Acacia mangium*	230	16	5	FELL	FELL
CT1186	3801	811646.430	820053.883	台灣相思	*Acacia confusa*	120	9	4	FELL	FELL
CT1187	3801	811650.231	820052.131	紅膠木	*Lophostemon confertus*	110	9	4	FELL	FELL
CT1188	3801	811651.140	820053.474	台灣相思	*Acacia confusa*	170	14	5	FELL	FELL
CT1189	3801	811649.912	820055.087	台灣相思	*Acacia confusa*	110	13	3	FELL	FELL
CT119	3801	811702.085	820153.875	銀合歡	*Leucaena leucocephala*	186	11	5	FELL	FELL
CT1190	3801	811650.468	820060.683	台灣相思	*Acacia confusa*	220	15	5	FELL	FELL
CT1191	3801	811652.187	820058.898	台灣相思	*Acacia confusa*	110	14	3	FELL	FELL
CT1192	3801	811654.182	820059.095	台灣相思	*Acacia confusa*	140	14	4	FELL	FELL
CT1193	3801	811655.487	820060.236	台灣相思	*Acacia confusa*	110	13	3	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
P282/CT2781	3801	811730.934	819980.528	大葉合歡	*Albizia lebbeck*	387	7	5	FELL	FELL
CT1195	3801	811658.884	820062.634	台灣相思	*Acacia confusa*	130	14	5	FELL	FELL
CT1196	3801	811658.433	820059.086	台灣相思	*Acacia confusa*	190	13	5	FELL	FELL
CT1197	3801	811663.043	820060.145	台灣相思	*Acacia confusa*	120	11	4	FELL	FELL
CT1198	3801	811660.394	820060.711	台灣相思	*Acacia confusa*	110	14	4	FELL	FELL
CT1199	3801	811662.340	820061.619	台灣相思	*Acacia confusa*	200	12	5	FELL	FELL
CT120	3801	811702.188	820151.943	羊蹄甲屬	*Bauhinia sp.*	100	7	6	FELL	FELL
CT1200	3801	811662.964	820061.084	台灣相思	*Acacia confusa*	140	11	4	FELL	FELL
CT1201	3801	811664.458	820064.519	台灣相思	*Acacia confusa*	100	7	3	FELL	FELL
CT1202	3801	811663.410	820064.703	台灣相思	*Acacia confusa*	100	8	4	FELL	FELL
CT1203	3801	811665.251	820065.394	台灣相思	*Acacia confusa*	110	10	4	FELL	FELL
CT1204	3801	811663.421	820065.990	台灣相思	*Acacia confusa*	140	9	5	FELL	FELL
CT1205	3801	811666.248	820066.615	黃槿	*Hibiscus tiliaceus*	190	13	7	FELL	FELL
CT1206	3801	811665.529	820068.028	台灣相思	*Acacia confusa*	140	14	4	FELL	FELL
CT1207	3801	811662.625	820067.925	台灣相思	*Acacia confusa*	100	11	5	FELL	FELL
CT1208	3801	811662.574	820067.142	台灣相思	*Acacia confusa*	180	11	5	FELL	FELL
CT1209	3801	811661.430	820067.505	台灣相思	*Acacia confusa*	170	13	4	FELL	FELL
CT121	3801	811697.537	820157.064	台灣相思	*Acacia confusa*	140	9	6	FELL	FELL
CT1210	3801	811661.889	820068.614	台灣相思	*Acacia confusa*	170	13	4	FELL	FELL
CT1211	3801	811660.773	820068.864	台灣相思	*Acacia confusa*	140	8	5	FELL	FELL
CT1212	3801	811659.711	820068.287	台灣相思	*Acacia confusa*	100	7	5	FELL	FELL
CT1213	3801	811660.620	820066.902	台灣相思	*Acacia confusa*	150	14	6	FELL	FELL
CT1214	3801	811660.827	820066.009	台灣相思	*Acacia confusa*	120	10	4	FELL	FELL
CT1215	3801	811661.478	820065.705	楝	*Melia azedarach*	350	15	8	FELL	FELL
CT1216	3801	811658.891	820066.853	台灣相思	*Acacia confusa*	110	9	5	FELL	FELL
CT1217	3801	811642.036	820069.080	黃槿	*Hibiscus tiliaceus*	170	7	7	FELL	FELL
CT122	3801	811697.277	820156.280	台灣相思	*Acacia confusa*	122	6	6	FELL	FELL
CT1221	3801	811651.082	820064.429	台灣相思	*Acacia confusa*	160	14	6	FELL	FELL
CT1222	3801	811650.983	820063.225	台灣相思	*Acacia confusa*	110	14	4	FELL	FELL
CT1224	3801	811649.110	820055.915	台灣相思	*Acacia confusa*	100	12	4	FELL	FELL
CT1225	3801	811645.138	820057.496	紅膠木	*Lophostemon confertus*	130	11	4	FELL	FELL
CT1226	3801	811646.680	820061.645	台灣相思	*Acacia confusa*	100	10	3	FELL	FELL
CT1227	3801	811646.453	820065.996	台灣相思	*Acacia confusa*	140	10	5	FELL	FELL
CT123	3801	811695.152	820152.291	銀合歡	*Leucaena leucocephala*	120	4	8	FELL	FELL
CT1230	3801	811642.252	820065.051	大葉相思	*Acacia mangium*	300	15	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1233	3801	811641.814	820058.809	大葉相思	*Acacia mangium*	220	13	4	FELL	FELL
CT1234	3801	811640.277	820056.745	大葉相思	*Acacia mangium*	490	11	5	FELL	FELL
CT1236	3801	811637.069	820057.613	紅膠木	*Lophostemon confertus*	150	9	5	FELL	FELL
CT1237	3801	811636.263	820057.154	紅膠木	*Lophostemon confertus*	140	8	7	FELL	FELL
CT1239	3801	811633.574	820054.150	台灣相思	*Acacia confusa*	140	12	4	FELL	FELL
CT124	3801	811695.622	820158.091	大葉相思	*Acacia mangium*	140	11	4	FELL	FELL
CT1240	3801	811633.596	820052.218	台灣相思	*Acacia confusa*	100	10	4	FELL	FELL
CT1241	3801	811632.650	820052.715	台灣相思	*Acacia confusa*	100	9	4	FELL	FELL
CT1242	3801	811631.635	820055.291	大葉相思	*Acacia mangium*	180	15	3	FELL	FELL
CT1244	3801	811630.680	820052.887	大葉相思	*Acacia mangium*	260	16	3	FELL	FELL
CT1245	3801	811628.597	820052.926	台灣相思	*Acacia confusa*	240	15	5	FELL	FELL
CT1247	3801	811624.968	820052.652	楝	*Melia azedarach*	280	16	9	FELL	FELL
CT1248	3801	811623.953	820053.506	楝	*Melia azedarach*	220	14	6	FELL	FELL
CT1249	3801	811624.959	820054.452	黃槿	*Hibiscus tiliaceus*	150	13	5	FELL	FELL
CT125	3801	811694.041	820158.993	台灣相思	*Acacia confusa*	110	9	5	FELL	FELL
CT1250	3801	811623.931	820055.134	黃槿	*Hibiscus tiliaceus*	110	12	4	FELL	FELL
CT1251	3801	811628.667	820058.672	台灣相思	*Acacia confusa*	180	15	4	FELL	FELL
CT1252	3801	811627.483	820059.908	台灣相思	*Acacia confusa*	130	13	5	FELL	FELL
CT1253	3801	811627.492	820062.194	羊蹄甲屬	*Bauhinia sp.*	110	10	5	TRANSPLANT	TRANSPLANT
CT1254	3801	811625.276	820062.024	台灣相思	*Acacia confusa*	130	14	4	FELL	FELL
CT1255	3801	811625.053	820059.890	台灣相思	*Acacia confusa*	100	10	4	FELL	FELL
CT1256	3801	811626.243	820059.254	台灣相思	*Acacia confusa*	100	14	2	FELL	FELL
CT1257	3801	811626.096	820057.985	台灣相思	*Acacia confusa*	140	15	4	FELL	FELL
CT1258	3801	811625.230	820058.734	台灣相思	*Acacia confusa*	190	15	6	FELL	FELL
CT1259	3801	811623.876	820059.493	台灣相思	*Acacia confusa*	160	15	5	FELL	FELL
CT126	3801	811694.133	820160.858	黃花夾竹桃	*Thevetia peruviana*	100	6	5	FELL	FELL
CT1260	3801	811623.284	820059.999	台灣相思	*Acacia confusa*	100	11	4	FELL	FELL
CT1261	3801	811621.412	820059.069	大葉相思	*Acacia mangium*	230	15	4	FELL	FELL
CT1262	3801	811622.963	820057.720	台灣相思	*Acacia confusa*	150	15	3	FELL	FELL
CT1263	3801	811622.836	820055.500	黃槿	*Hibiscus tiliaceus*	130	12	4	FELL	FELL
CT1264	3801	811621.279	820056.564	台灣相思	*Acacia confusa*	100	8	5	FELL	FELL
CT1265	3801	811619.348	820054.325	紅膠木	*Lophostemon confertus*	100	8	5	FELL	FELL
CT1266	3801	811620.374	820057.219	大葉相思	*Acacia mangium*	120	6	1	FELL	FELL
CT1267	3801	811619.655	820057.960	大葉相思	*Acacia mangium*	350	16	5	FELL	FELL
CT1268	3801	811617.395	820058.807	楝	*Melia azedarach*	150	11	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1269	3801	811619.470	820058.930	大葉相思	*Acacia mangium*	130	11	1	FELL	FELL
CT127	3801	811692.824	820160.944	大葉相思	*Acacia mangium*	220	12	6	FELL	FELL
CT1270	3801	811619.393	820059.762	大葉相思	*Acacia mangium*	160	14	2	FELL	FELL
CT1271	3801	811624.011	820062.722	台灣相思	*Acacia confusa*	180	15	3	FELL	FELL
CT1272	3801	811622.316	820064.100	台灣相思	*Acacia confusa*	190	12	5	FELL	FELL
CT1273	3801	811621.141	820063.192	台灣相思	*Acacia confusa*	170	11	3	FELL	FELL
CT1274	3801	811618.461	820062.540	楝	*Melia azedarach*	280	15	6	FELL	FELL
CT1275	3801	811618.213	820063.536	台灣相思	*Acacia confusa*	180	10	4	FELL	FELL
CT1276	3801	811620.568	820065.793	台灣相思	*Acacia confusa*	260	11	6	FELL	FELL
CT1277	3801	811615.659	820057.847	台灣相思	*Acacia confusa*	190	8	8	FELL	FELL
CT1278	3801	811614.812	820058.290	尾葉桉	*Eucalyptus urophylla*	450	20	8	FELL	FELL
CT128	3801	811690.112	820162.537	大葉相思	*Acacia mangium*	330	15	7	FELL	FELL
CT1280	3801	811613.313	820058.735	紅膠木	*Lophostemon confertus*	110	9	5	FELL	FELL
CT1281	3801	811610.873	820058.940	大葉相思	*Acacia mangium*	360	16	7	FELL	FELL
CT1282	3801	811610.668	820060.409	大葉相思	*Acacia mangium*	120	7	5	FELL	FELL
CT1283	3801	811610.597	820062.377	大葉相思	*Acacia mangium*	230	16	4	FELL	FELL
CT1284	3801	811607.665	820059.682	大葉相思	*Acacia mangium*	290	12	6	FELL	FELL
CT1285	3801	811607.536	820060.925	大葉相思	*Acacia mangium*	220	15	4	FELL	FELL
CT1287	3801	811608.440	820066.620	台灣相思	*Acacia confusa*	240	12	6	FELL	FELL
CT1288	3801	811606.768	820069.493	大葉相思	*Acacia mangium*	250	12	5	FELL	FELL
CT1289	3801	811605.304	820069.953	大葉相思	*Acacia mangium*	380	12	8	FELL	FELL
CT129	3801	811690.358	820160.586	大葉相思	*Acacia mangium*	130	10	7	FELL	FELL
CT1290	3801	811603.451	820068.775	大葉相思	*Acacia mangium*	320	15	8	FELL	FELL
CT1291	3801	811605.452	820067.383	台灣相思	*Acacia confusa*	210	10	9	FELL	FELL
CT1292	3801	811606.745	820067.803	台灣相思	*Acacia confusa*	250	15	5	FELL	FELL
CT1293	3801	811606.717	820066.758	台灣相思	*Acacia confusa*	140	12	4	FELL	FELL
CT1294	3801	811606.785	820066.146	台灣相思	*Acacia confusa*	100	7	4	FELL	FELL
CT1295	3801	811606.498	820064.918	台灣相思	*Acacia confusa*	120	8	5	FELL	FELL
CT1296	3801	811605.550	820065.321	台灣相思	*Acacia confusa*	100	8	6	FELL	FELL
CT1297	3801	811604.589	820063.802	台灣相思	*Acacia confusa*	380	11	8	FELL	FELL
CT1298	3801	811603.751	820063.459	台灣相思	*Acacia confusa*	140	4	5	FELL	FELL
CT130	3801	811688.375	820158.488	台灣相思	*Acacia confusa*	120	11	4	FELL	FELL
CT1300	3801	811618.362	820072.427	台灣相思	*Acacia confusa*	120	8	3	FELL	FELL
CT1302	3801	811622.585	820065.226	台灣相思	*Acacia confusa*	150	11	5	FELL	FELL
CT1303	3801	811626.904	820071.159	大葉相思	*Acacia mangium*	200	14	4	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1306	3801	811629.785	820070.348	大葉相思	*Acacia mangium*	160	14	3	FELL	FELL
CT1307	3801	811628.994	820073.017	大葉相思	*Acacia mangium*	230	15	4	FELL	FELL
CT1308	3801	811635.324	820073.108	大葉相思	*Acacia mangium*	120	14	4	FELL	FELL
CT1309	3801	811635.673	820071.721	大葉相思	*Acacia mangium*	180	14	5	FELL	FELL
CT131	3801	811693.742	820155.840	大葉相思	*Acacia mangium*	220	8	4	FELL	FELL
CT1311	3801	811637.911	820070.255	大葉相思	*Acacia mangium*	300	15	5	FELL	FELL
CT1313	3801	811639.084	820071.703	大葉相思	*Acacia mangium*	300	15	6	FELL	FELL
CT1314	3801	811640.729	820070.597	大葉相思	*Acacia mangium*	150	8	2	FELL	FELL
CT1315	3801	811639.819	820072.291	大葉相思	*Acacia mangium*	160	11	4	FELL	FELL
CT1316	3801	811637.298	820075.442	台灣相思	*Acacia confusa*	170	14	4	FELL	FELL
CT1317	3801	811636.247	820076.238	台灣相思	*Acacia confusa*	150	15	4	FELL	FELL
CT1319	3801	811634.887	820077.749	台灣相思	*Acacia confusa*	120	10	5	FELL	FELL
CT132	3801	811693.236	820155.279	大葉相思	*Acacia mangium*	140	11	3	FELL	FELL
CT1320	3801	811632.856	820076.156	台灣相思	*Acacia confusa*	170	12	6	FELL	FELL
CT1321	3801	811631.814	820077.456	台灣相思	*Acacia confusa*	130	10	2	FELL	FELL
CT1322	3801	811630.009	820078.671	楝	*Melia azedarach*	270	14	5	FELL	FELL
CT1323	3801	811622.014	820078.397	大葉相思	*Acacia mangium*	140	6	7	FELL	FELL
CT1324	3801	811621.603	820078.664	大葉相思	*Acacia mangium*	260	13	6	FELL	FELL
CT1325	3801	811619.443	820079.972	大葉相思	*Acacia mangium*	140	10	6	FELL	FELL
CT1326	3801	811620.325	820080.663	大葉相思	*Acacia mangium*	350	12	7	FELL	FELL
CT1327	3801	811612.824	820086.555	旅人蕉	*Ravenala madagascariensis*	160	5	2	FELL	FELL
CT1328	3801	811576.335	820054.894	台灣相思	*Acacia confusa*	440	9	12	FELL	FELL
CT1329	3801	811615.419	820052.415	紅膠木	*Lophostemon confertus*	100	5	3	FELL	FELL
CT133	3801	811691.916	820152.671	大葉相思	*Acacia mangium*	290	12	6	FELL	FELL
CT1334	3801	811643.088	820040.639	大葉相思	*Acacia mangium*	300	14	5	FELL	FELL
CT1335	3801	811643.238	820042.562	黃槿	*Hibiscus tiliaceus*	110	6	4	FELL	FELL
CT1336	3801	811644.853	820044.200	大葉相思	*Acacia mangium*	150	10	2	FELL	FELL
CT1337	3801	811645.467	820044.164	大葉相思	*Acacia mangium*	250	13	6	FELL	FELL
CT1338	3801	811647.339	820045.445	大葉相思	*Acacia mangium*	310	14	5	FELL	FELL
CT1339	3801	811647.985	820044.867	大葉相思	*Acacia mangium*	160	8	5	FELL	FELL
CT134	3801	811691.325	820152.406	楝	*Melia azedarach*	280	12	7	FELL	FELL
CT1340	3801	811647.847	820046.273	黃槿	*Hibiscus tiliaceus*	100	7	3	FELL	FELL
CT1342	3801	811652.415	820044.718	死樹	*Dead tree*	230	7	4	FELL	FELL
CT1343	3801	811650.168	820049.929	大葉相思	*Acacia mangium*	280	14	4	FELL	FELL
CT1344	3801	811651.101	820051.318	大葉相思	*Acacia mangium*	230	12	3	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1345	3801	811651.687	820052.090	大葉相思	*Acacia mangium*	250	11	5	FELL	FELL
CT1346	3801	811652.422	820052.719	大葉相思	*Acacia mangium*	100	6	4	FELL	FELL
CT1347	3801	811660.138	820057.935	台灣相思	*Acacia confusa*	130	8	5	FELL	FELL
CT1348	3801	811659.995	820058.726	台灣相思	*Acacia confusa*	200	10	4	FELL	FELL
CT135	3801	811690.529	820151.936	楝	*Melia azedarach*	140	10	6	FELL	FELL
CT136	3801	811689.178	820148.711	台灣相思	*Acacia confusa*	110	7	5	FELL	FELL
CT137	3801	811688.138	820148.992	台灣相思	*Acacia confusa*	120	7	4	FELL	FELL
CT138	3801	811686.644	820153.384	台灣相思	*Acacia confusa*	187	11	5	FELL	FELL
CT1380	3801	811483.351	820116.098	楝	*Melia azedarach*	150	7	3	FELL	FELL
CT1381	3801	811483.244	820117.593	楝	*Melia azedarach*	220	7	4	FELL	FELL
CT1382	3801	811485.435	820117.488	黃槿	*Hibiscus tiliaceus*	130	6	4	FELL	FELL
CT139	3801	811684.867	820154.505	台灣相思	*Acacia confusa*	142	11	6	FELL	FELL
CT1398	3801	811504.913	820134.222	黃槿	*Hibiscus tiliaceus*	110	6	4	FELL	FELL
CT140	3801	811682.454	820154.147	台灣相思	*Acacia confusa*	220	10	7	FELL	FELL
CT1408	3801	811523.766	820156.346	台灣相思	*Acacia confusa*	110	7	4	FELL	FELL
CT1409	3801	811524.439	820157.794	台灣相思	*Acacia confusa*	110	6	4	FELL	FELL
CT141	3801	811685.461	820158.845	台灣相思	*Acacia confusa*	214	12	7	FELL	FELL
P282/CT2782	3801	811732.589	819980.236	大葉合歡	*Albizia lebbeck*	420	7	7	FELL	FELL
CT142	3801	811681.989	820161.006	銀合歡	*Leucaena leucocephala*	100	13	3	FELL	FELL
P282/CT2783	3801	811705.680	819982.670	垂葉榕	*Ficus benjamina*	330	7	4	FELL	FELL
P282/CT2784	3801	811715.065	819959.190	垂葉榕	*Ficus benjamina*	280	8	5	FELL	FELL
P282/CT2785	3801	811710.165	819974.829	垂葉榕	*Ficus benjamina*	290	6	4	FELL	FELL
P282/CT2786	3801	811722.794	819993.266	銀樺	*Grevillea robusta*	220	7	2	FELL	FELL
P282/CT2787	3801	811721.805	819994.885	銀樺	*Grevillea robusta*	160	3	2	FELL	FELL
P282/CT2788	3801	811719.302	819996.355	銀樺	*Grevillea robusta*	240	4	3	FELL	FELL
CT143	3801	811679.461	820160.363	台灣相思	*Acacia confusa*	186	12	4	FELL	FELL
CT1430	3801	811482.581	820152.646	黃槿	*Hibiscus tiliaceus*	180	14	8	FELL	FELL
CT1431	3801	811484.712	820149.682	紅膠木	*Lophostemon confertus*	110	6	6	FELL	FELL
P282/CT2789	3801	811717.300	819998.983	銀樺	*Grevillea robusta*	210	3	3	FELL	FELL
P282/CT2790	3801	811714.266	819999.652	銀樺	*Grevillea robusta*	110	2	2	FELL	FELL
CT1434	3801	811484.933	820146.409	黃槿	*Hibiscus tiliaceus*	200	6	4	FELL	FELL
CT1435	3801	811482.598	820145.589	大葉相思	*Acacia mangium*	180	6	3	FELL	FELL
CT1436	3801	811478.942	820150.082	楝	*Melia azedarach*	100	8	6	FELL	FELL
CT1437	3801	811476.562	820151.440	紅膠木	*Lophostemon confertus*	180	15	4	FELL	FELL
CT1438	3801	811475.167	820151.343	紅膠木	*Lophostemon confertus*	149	14	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1439	3801	811476.251	820146.221	台灣相思	*Acacia confusa*	110	13	4	FELL	FELL
CT144	3801	811678.506	820160.891	台灣相思	*Acacia confusa*	120	12	4	FELL	FELL
CT1440	3801	811475.744	820145.599	台灣相思	*Acacia confusa*	240	15	6	FELL	FELL
CT1442	3801	811468.820	820131.727	黃槿	*Hibiscus tiliaceus*	190	10	8	FELL	FELL
CT145	3801	811677.559	820161.263	台灣相思	*Acacia confusa*	120	11	7	FELL	FELL
CT1452	3801	811460.820	820118.492	大葉相思	*Acacia mangium*	250	13	5	FELL	FELL
CT1453	3801	811457.301	820119.470	羊蹄甲屬	*Bauhinia sp.*	110	7	6	FELL	FELL
CT1454	3801	811456.815	820122.820	細葉榕	*Ficus microcarpa*	140	5	4	FELL	FELL
CT1455	3801	811449.865	820117.011	大葉相思	*Acacia mangium*	180	8	5	FELL	FELL
CT1456	3801	811453.436	820115.681	黃槿	*Hibiscus tiliaceus*	100	8	5	FELL	FELL
CT1457	3801	811453.633	820114.931	黃槿	*Hibiscus tiliaceus*	130	10	6	FELL	FELL
CT1458	3801	811454.686	820114.537	黃槿	*Hibiscus tiliaceus*	160	10	5	FELL	FELL
CT1459	3801	811456.069	820114.382	黃槿	*Hibiscus tiliaceus*	130	10	4	FELL	FELL
CT146	3801	811677.850	820155.510	楝	*Melia azedarach*	360	12	14	FELL	FELL
CT1460	3801	811454.371	820112.693	大葉相思	*Acacia mangium*	190	10	6	FELL	FELL
CT1461	3801	811455.518	820112.302	大葉相思	*Acacia mangium*	150	11	5	FELL	FELL
CT147	3801	811676.956	820157.021	銀合歡	*Leucaena leucocephala*	120	11	7	FELL	FELL
CT1471	3801	811450.719	820111.181	羊蹄甲屬	*Bauhinia sp.*	210	9	7	FELL	FELL
CT1472	3801	811440.179	820139.344	台灣相思	*Acacia confusa*	340	14	7	FELL	FELL
CT1473	3801	811441.608	820140.438	台灣相思	*Acacia confusa*	269	7	7	FELL	FELL
CT1474	3801	811442.852	820140.406	大葉相思	*Acacia mangium*	260	10	5	FELL	FELL
CT1475	3801	811443.547	820140.181	大葉相思	*Acacia mangium*	210	13	6	FELL	FELL
CT1476	3801	811444.064	820139.125	大葉相思	*Acacia mangium*	110	6	5	FELL	FELL
CT1477	3801	811446.706	820140.094	大葉相思	*Acacia mangium*	350	15	8	FELL	FELL
CT1478	3801	811446.402	820140.830	大葉相思	*Acacia mangium*	260	14	8	FELL	FELL
CT1479	3801	811448.072	820142.206	紅膠木	*Lophostemon confertus*	150	10	5	FELL	FELL
CT148	3801	811673.636	820157.351	台灣相思	*Acacia confusa*	110	10	6	FELL	FELL
CT1480	3801	811449.306	820142.725	紅膠木	*Lophostemon confertus*	150	9	5	FELL	FELL
CT1481	3801	811450.085	820140.740	紅膠木	*Lophostemon confertus*	110	10	4	FELL	FELL
CT1482	3801	811450.558	820141.599	紅膠木	*Lophostemon confertus*	220	15	3	FELL	FELL
CT1483	3801	811450.388	820132.627	黃槿	*Hibiscus tiliaceus*	254	10	8	FELL	FELL
CT1484	3801	811451.668	820134.187	黃槿	*Hibiscus tiliaceus*	230	10	8	FELL	FELL
CT1485	3801	811457.459	820129.115	細葉榕	*Ficus microcarpa*	140	7	5	FELL	FELL
CT1486	3801	811463.072	820135.838	黃槿	*Hibiscus tiliaceus*	100	8	5	FELL	FELL
CT1487	3801	811461.865	820136.852	黃槿	*Hibiscus tiliaceus*	170	11	8	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1488	3801	811461.273	820137.744	黃槿	*Hibiscus tiliaceus*	150	10	6	FELL	FELL
CT1489	3801	811459.659	820137.312	台灣相思	*Acacia confusa*	100	10	5	FELL	FELL
CT149	3801	811673.213	820158.776	台灣相思	*Acacia confusa*	158	10	7	FELL	FELL
CT1490	3801	811453.169	820143.395	黃槿	*Hibiscus tiliaceus*	100	8	12	FELL	FELL
CT1491	3801	811454.113	820142.348	黃槿	*Hibiscus tiliaceus*	200	13	7	FELL	FELL
CT1492	3801	811454.555	820143.391	黃槿	*Hibiscus tiliaceus*	140	12	7	FELL	FELL
CT1493	3801	811455.170	820144.072	黃槿	*Hibiscus tiliaceus*	130	8	6	FELL	FELL
CT1494	3801	811455.622	820143.023	黃槿	*Hibiscus tiliaceus*	140	12	5	FELL	FELL
CT1495	3801	811456.677	820144.407	黃槿	*Hibiscus tiliaceus*	320	14	12	FELL	FELL
CT1496	3801	811458.068	820144.427	黃槿	*Hibiscus tiliaceus*	250	14	12	FELL	FELL
CT1497	3801	811457.804	820142.600	黃槿	*Hibiscus tiliaceus*	170	10	8	FELL	FELL
CT1498	3801	811459.400	820142.432	黃槿	*Hibiscus tiliaceus*	170	12	6	FELL	FELL
CT1499	3801	811458.729	820145.511	大葉相思	*Acacia mangium*	200	15	6	FELL	FELL
CT150	3801	811672.400	820158.169	台灣相思	*Acacia confusa*	100	11	5	FELL	FELL
CT1500	3801	811460.064	820145.233	大葉相思	*Acacia mangium*	300	13	6	FELL	FELL
CT1501	3801	811460.764	820146.292	大葉相思	*Acacia mangium*	170	11	5	FELL	FELL
CT1502	3801	811464.165	820143.652	羊蹄甲屬	*Bauhinia sp.*	110	10	8	FELL	FELL
CT1503	3801	811464.748	820144.361	羊蹄甲屬	*Bauhinia sp.*	180	15	8	FELL	FELL
CT1504	3801	811464.766	820147.468	羊蹄甲屬	*Bauhinia sp.*	100	6	5	FELL	FELL
CT1505	3801	811466.932	820146.691	台灣相思	*Acacia confusa*	150	15	3	FELL	FELL
CT1506	3801	811467.327	820147.260	台灣相思	*Acacia confusa*	200	15	10	FELL	FELL
CT1507	3801	811467.737	820146.199	台灣相思	*Acacia confusa*	180	15	6	FELL	FELL
CT1508	3801	811469.768	820143.836	黃槿	*Hibiscus tiliaceus*	170	10	7	FELL	FELL
CT1509	3801	811470.662	820146.178	黃槿	*Hibiscus tiliaceus*	120	7	7	FELL	FELL
CT151	3801	811669.638	820159.704	台灣相思	*Acacia confusa*	184	10	7	FELL	FELL
CT1510	3801	811468.988	820147.294	黃槿	*Hibiscus tiliaceus*	220	14	9	FELL	FELL
CT1511	3801	811470.221	820147.208	黃槿	*Hibiscus tiliaceus*	230	13	8	FELL	FELL
CT1512	3801	811470.411	820148.880	黃槿	*Hibiscus tiliaceus*	310	15	12	FELL	FELL
CT1513	3801	811469.145	820149.581	黃槿	*Hibiscus tiliaceus*	140	12	7	FELL	FELL
CT1514	3801	811468.771	820148.627	黃槿	*Hibiscus tiliaceus*	230	15	8	FELL	FELL
P282/CT2791	3801	811707.011	820006.025	銀樺	*Grevillea robusta*	130	2	2	FELL	FELL
P282/CT2792	3801	811702.827	820008.238	銀樺	*Grevillea robusta*	220	6	2	FELL	FELL
P282/CT2793	3801	811671.180	820035.119	台灣相思	*Acacia confusa*	215	11	6	FELL	FELL
P282/CT2794	3801	811669.341	820036.385	台灣相思	*Acacia confusa*	190	10	5	FELL	FELL
P282/CT2795	3801	811671.386	820037.808	台灣相思	*Acacia confusa*	151	8	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT152	3801	811668.613	820159.904	台灣相思	*Acacia confusa*	140	10	6	FELL	FELL
P282/CT2796	3801	811672.821	820036.394	台灣相思	*Acacia confusa*	167	6	4	FELL	FELL
P282/CT2797	3801	811673.009	820039.742	台灣相思	*Acacia confusa*	145	10	3	FELL	FELL
P282/CT2798	3801	811669.020	820030.417	紅花羊蹄甲	*Bauhinia purpurea*	125	6	4	FELL	FELL
P282/CT2799	3801	811664.127	820032.433	台灣相思	*Acacia confusa*	130	7	3	FELL	FELL
P282/CT2800	3801	811661.345	820030.472	台灣相思	*Acacia confusa*	294	11	4	FELL	FELL
CT1525	3801	811524.855	820196.620	黃槿	*Hibiscus tiliaceus*	315	9	9	FELL	FELL
CT1526	3801	811528.464	820197.931	潺槁樹	*Litsea glutinosa*	130	8	2	FELL	FELL
CT1527	3801	811530.157	820202.241	台灣相思	*Acacia confusa*	190	9	8	FELL	FELL
CT1528	3801	811531.456	820201.819	台灣相思	*Acacia confusa*	170	10	8	FELL	FELL
CT1529	3801	811532.798	820201.518	台灣相思	*Acacia confusa*	230	11	6	FELL	FELL
CT153	3801	811667.746	820163.081	台灣相思	*Acacia confusa*	120	10	5	FELL	FELL
CT1530	3801	811533.631	820203.323	台灣相思	*Acacia confusa*	160	11	6	FELL	FELL
CT1531	3801	811533.060	820203.957	台灣相思	*Acacia confusa*	120	12	7	FELL	FELL
CT1532	3801	811528.736	820205.350	黃槿	*Hibiscus tiliaceus*	260	12	14	FELL	FELL
CT1533	3801	811527.794	820205.283	黃槿	*Hibiscus tiliaceus*	256	11	7	FELL	FELL
CT1536	3801	811529.440	820207.638	黃槿	*Hibiscus tiliaceus*	180	10	6	FELL	FELL
CT1537	3801	811530.052	820215.424	黃槿	*Hibiscus tiliaceus*	343	10	8	FELL	FELL
CT1538	3801	811531.053	820214.455	黃槿	*Hibiscus tiliaceus*	140	10	5	FELL	FELL
CT1539	3801	811531.553	820215.492	黃槿	*Hibiscus tiliaceus*	312	10	9	FELL	FELL
CT154	3801	811666.662	820162.647	台灣相思	*Acacia confusa*	140	12	7	FELL	FELL
CT1540	3801	811533.317	820209.086	台灣相思	*Acacia confusa*	110	10	5	FELL	FELL
CT1541	3801	811534.340	820209.244	台灣相思	*Acacia confusa*	130	11	5	FELL	FELL
CT1542	3801	811535.438	820209.635	台灣相思	*Acacia confusa*	160	11	5	FELL	FELL
CT1543	3801	811534.437	820208.264	台灣相思	*Acacia confusa*	350	14	11	FELL	FELL
CT1544	3801	811541.329	820209.083	黃槿	*Hibiscus tiliaceus*	150	11	7	FELL	FELL
CT1545	3801	811542.621	820209.510	黃槿	*Hibiscus tiliaceus*	100	7	7	FELL	FELL
CT1546	3801	811542.151	820211.165	黃槿	*Hibiscus tiliaceus*	150	10	7	FELL	FELL
CT1547	3801	811544.149	820211.673	台灣相思	*Acacia confusa*	190	13	7	FELL	FELL
CT1548	3801	811544.413	820210.407	台灣相思	*Acacia confusa*	270	14	8	FELL	FELL
CT1549	3801	811546.865	820211.707	大葉相思	*Acacia mangium*	170	11	5	FELL	FELL
CT155	3801	811666.611	820163.807	台灣相思	*Acacia confusa*	100	6	6	FELL	FELL
CT1550	3801	811546.747	820212.665	大葉相思	*Acacia mangium*	160	10	5	FELL	FELL
CT1551	3801	811547.796	820215.863	羊蹄甲屬	*Bauhinia sp.*	100	5	5	FELL	FELL
CT1552	3801	811545.487	820215.402	羊蹄甲屬	*Bauhinia sp.*	120	8	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1553	3801	811538.095	820217.971	大葉相思	*Acacia mangium*	160	9	4	FELL	FELL
CT1554	3801	811539.014	820218.602	大葉相思	*Acacia mangium*	100	7	4	FELL	FELL
CT1555	3801	811539.321	820219.454	大葉相思	*Acacia mangium*	220	12	5	FELL	FELL
CT1556	3801	811539.868	820218.663	大葉相思	*Acacia mangium*	290	13	6	FELL	FELL
CT1557	3801	811540.921	820221.041	黃槿	*Hibiscus tiliaceus*	250	8	6	FELL	FELL
CT1558	3801	811541.612	820218.749	大葉相思	*Acacia mangium*	280	11	6	FELL	FELL
CT1559	3801	811542.978	820221.187	黃槿	*Hibiscus tiliaceus*	190	10	6	FELL	FELL
CT156	3801	811665.051	820163.492	台灣相思	*Acacia confusa*	110	10	5	FELL	FELL
CT1560	3801	811542.915	820222.447	黃槿	*Hibiscus tiliaceus*	180	10	5	FELL	FELL
CT1561	3801	811544.355	820222.750	黃槿	*Hibiscus tiliaceus*	350	8	10	FELL	FELL
CT1562	3801	811543.772	820221.872	黃槿	*Hibiscus tiliaceus*	100	9	5	FELL	FELL
CT1563	3801	811547.428	820222.653	紅花夾竹桃	*Nerium indicum*	160	6	8	FELL	FELL
CT1564	3801	811551.029	820225.987	大葉相思	*Acacia mangium*	180	9	4	FELL	FELL
CT1565	3801	811552.028	820223.701	大葉相思	*Acacia mangium*	210	10	7	FELL	FELL
CT1566	3801	811552.941	820224.343	大葉相思	*Acacia mangium*	330	11	8	FELL	FELL
CT1567	3801	811553.772	820224.388	大葉相思	*Acacia mangium*	140	8	4	FELL	FELL
CT1568	3801	811554.754	820216.516	紅膠木	*Lophostemon confertus*	160	9	3	FELL	FELL
CT1569	3801	811554.812	820217.597	紅膠木	*Lophostemon confertus*	200	9	4	FELL	FELL
CT157	3801	811664.319	820163.098	台灣相思	*Acacia confusa*	140	9	5	FELL	FELL
CT1570	3801	811580.721	820232.601	濕地松	*Pinus elliottii*	140	7	4	FELL	FELL
CT1571	3801	811582.050	820232.978	濕地松	*Pinus elliottii*	120	7	3	FELL	FELL
CT1572	3801	811584.740	820234.111	濕地松	*Pinus elliottii*	100	6	2	FELL	FELL
CT158	3801	811664.962	820164.489	台灣相思	*Acacia confusa*	140	10	7	FELL	FELL
CT159	3801	811664.143	820165.097	台灣相思	*Acacia confusa*	158	9	7	FELL	FELL
CT161	3801	811666.039	820169.281	銀合歡	*Leucaena leucocephala*	110	14	6	FELL	FELL
CT162	3801	811668.833	820166.265	台灣相思	*Acacia confusa*	164	12	7	FELL	FELL
CT163	3801	811669.172	820164.397	台灣相思	*Acacia confusa*	100	8	6	FELL	FELL
CT164	3801	811669.899	820164.371	台灣相思	*Acacia confusa*	150	11	6	FELL	FELL
CT165	3801	811677.860	820166.248	台灣相思	*Acacia confusa*	120	12	5	FELL	FELL
CT166	3801	811677.983	820168.284	台灣相思	*Acacia confusa*	140	15	5	FELL	FELL
CT167	3801	811677.161	820168.643	台灣相思	*Acacia confusa*	100	10	6	FELL	FELL
CT168	3801	811675.424	820169.247	台灣相思	*Acacia confusa*	140	13	7	FELL	FELL
CT169	3801	811686.062	820165.938	楝	*Melia azedarach*	210	14	7	FELL	FELL
CT170	3801	811683.474	820167.147	大葉相思	*Acacia mangium*	210	15	7	FELL	FELL
CT171	3801	811681.322	820169.796	大葉相思	*Acacia mangium*	190	12	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT172	3801	811680.450	820169.984	黃花夾竹桃	*Thevetia peruviana*	110	8	5	FELL	FELL
CT173	3801	811676.672	820172.436	台灣相思	*Acacia confusa*	180	16	9	FELL	FELL
CT176	3801	811672.992	820174.377	台灣相思	*Acacia confusa*	210	16	7	FELL	FELL
CT177	3801	811671.350	820175.099	台灣相思	*Acacia confusa*	140	16	6	FELL	FELL
CT178	3801	811671.995	820172.922	羊蹄甲屬	*Bauhinia sp.*	110	9	7	FELL	FELL
CT1781	3801	811397.104	820232.882	楝	*Melia azedarach*	220	12	9	N/A	FELL
CT1782	3801	811392.512	820242.437	耳果相思	*Acacia auriculiformis*	300	5	8	N/A	FELL
CT1783	3801	811391.020	820246.866	楝	*Melia azedarach*	160	8	5	N/A	FELL
CT1784	3801	811385.669	820261.972	楝	*Melia azedarach*	120	8	5	N/A	FELL
CT1785	3801	811385.390	820263.437	耳果相思	*Acacia auriculiformis*	170	10	7	N/A	FELL
CT1787	3801	811370.279	820266.619	芒果	*Mangifera indica*	190	8	5	N/A	FELL
CT1788	3801	811374.659	820286.027	細葉榕	*Ficus microcarpa*	180	9	5	N/A	FELL
CT1789	3801	811376.247	820288.268	耳果相思	*Acacia auriculiformis*	170	11	6	N/A	FELL
CT179	3801	811669.648	820173.002	台灣相思	*Acacia confusa*	170	14	6	FELL	FELL
CT1790	3801	811374.306	820297.023	耳果相思	*Acacia auriculiformis*	130	7	4	N/A	FELL
P282/CT2801	3801	811663.492	820030.323	台灣相思	*Acacia confusa*	135	9	5	FELL	FELL
P282/CT2802	3801	811661.830	820029.017	台灣相思	*Acacia confusa*	210	10	4	FELL	FELL
CT180	3801	811666.364	820175.308	台灣相思	*Acacia confusa*	180	16	7	FELL	FELL
CT181	3801	811665.456	820174.386	台灣相思	*Acacia confusa*	110	13	5	FELL	FELL
CT182	3801	811660.177	820171.247	台灣相思	*Acacia confusa*	120	10	5	FELL	FELL
CT183	3801	811658.475	820166.754	大葉相思	*Acacia mangium*	250	10	9	FELL	FELL
CT184	3801	811657.574	820166.492	大葉相思	*Acacia mangium*	220	10	6	FELL	FELL
CT185	3801	811657.255	820165.399	大葉相思	*Acacia mangium*	230	10	6	FELL	FELL
CT186	3801	811657.592	820164.354	大葉相思	*Acacia mangium*	150	9	5	FELL	FELL
CT187	3801	811656.760	820166.104	大葉相思	*Acacia mangium*	120	7	5	FELL	FELL
CT188	3801	811647.477	820168.303	台灣相思	*Acacia confusa*	130	10	7	FELL	FELL
CT1885	3801	811353.834	817631.933	鐵刀木	*Senna siamea*	240	8	4	RETAIN	RETAIN
CT1886	3801	811354.984	817636.267	鐵刀木	*Senna siamea*	300	11	5	RETAIN	RETAIN
CT1887	3801	811355.580	817640.384	麻楝	*Chukrasia tabularis*	120	7	4	RETAIN	RETAIN
CT1888	3801	811428.848	820134.355	細葉榕	*Ficus microcarpa*	300	8	6	RETAIN	FELL
CT1889	3801	811422.128	820125.551	紅花羊蹄甲	*Bauhinia purpurea*	235	8	6	RETAIN	FELL
CT189	3801	811648.680	820169.098	台灣相思	*Acacia confusa*	160	10	8	FELL	FELL
CT1890	3801	811421.577	820124.746	楝	*Melia azedarach*	385	13	7	RETAIN	FELL
CT1891	3801	811421.766	820122.939	台灣相思	*Acacia confusa*	110	7	4	FELL	FELL
CT1892	3801	811418.941	820124.187	楝	*Melia azedarach*	345	13	7	RETAIN	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT1893	3801	811418.558	820134.982	銀合歡	*Leucaena leucocephala*	160	10	6	FELL	FELL
CT1894	3801	811415.941	820133.798	大王椰子	*Roystonea regia*	220	11	5	RETAIN	FELL
CT1897	3801	811416.715	820123.334	楝	*Melia azedarach*	185	12	5	RETAIN	FELL
CT1899	3801	811413.121	820127.276	楝	*Melia azedarach*	190	11	6	RETAIN	FELL
CT190	3801	811646.837	820168.898	台灣相思	*Acacia confusa*	130	9	5	FELL	FELL
CT1901	3801	811411.009	820131.884	銀合歡	*Leucaena leucocephala*	180	6	9	RETAIN	FELL
CT1902	3801	811413.450	820119.803	台灣相思	*Acacia confusa*	160	4	8	RETAIN	FELL
CT1903	3801	811412.345	820118.269	耳果相思	*Acacia auriculiformis*	200	14	6	FELL	FELL
CT1904	3801	811409.703	820125.912	台灣相思	*Acacia confusa*	200	6	4	RETAIN	FELL
CT1905	3801	811409.245	820130.943	銀合歡	*Leucaena leucocephala*	300	5	9	RETAIN	FELL
CT1906	3801	811407.373	820130.892	銀合歡	*Leucaena leucocephala*	110	4	8	RETAIN	FELL
CT1907	3801	811406.374	820130.186	銀合歡	*Leucaena leucocephala*	230	5	9	RETAIN	FELL
CT1908	3801	811405.316	820130.175	銀合歡	*Leucaena leucocephala*	280	5	9	RETAIN	FELL
CT1909	3801	811404.951	820130.043	銀合歡	*Leucaena leucocephala*	260	5	9	RETAIN	FELL
CT191	3801	811645.828	820169.164	台灣相思	*Acacia confusa*	180	10	7	FELL	FELL
CT1910	3801	811403.694	820129.600	銀合歡	*Leucaena leucocephala*	250	5	8	RETAIN	FELL
CT1911	3801	811402.934	820129.352	銀合歡	*Leucaena leucocephala*	250	5	9	RETAIN	FELL
CT1912	3801	811402.151	820129.015	銀合歡	*Leucaena leucocephala*	270	4	8	RETAIN	FELL
CT1913	3801	811404.413	820126.414	楝	*Melia azedarach*	350	6	12	RETAIN	FELL
CT1914	3801	811402.489	820125.698	大葉相思	*Acacia mangium*	300	5	10	RETAIN	FELL
CT1915	3801	811410.772	820117.821	台灣相思	*Acacia confusa*	110	11	6	FELL	FELL
CT1917	3801	811407.774	820117.712	台灣相思	*Acacia confusa*	280	5	9	FELL	FELL
CT1918	3801	811409.481	820113.127	羊蹄甲屬	*Bauhinia spp.*	110	8	6	FELL	FELL
CT1919	3801	811411.271	820111.204	黃槿	*Hibiscus tiliaceus*	155	8	7	FELL	FELL
CT192	3801	811644.947	820169.518	台灣相思	*Acacia confusa*	120	8	6	FELL	FELL
CT1920	3801	811406.304	820113.529	紅膠木	*Lophostemon confertus*	160	11	5	FELL	FELL
CT1921	3801	811405.857	820115.854	紅膠木	*Lophostemon confertus*	170	12	6	FELL	FELL
CT1922	3801	811403.620	820113.931	台灣相思	*Acacia confusa*	110	11	0	FELL	FELL
CT1923	3801	811403.396	820113.484	台灣相思	*Acacia confusa*	110	12	5	FELL	FELL
CT1924	3801	811400.089	820111.096	黃槿	*Hibiscus tiliaceus*	145	8	4	FELL	FELL
CT1925	3801	811399.866	820112.200	黃槿	*Hibiscus tiliaceus*	130	9	6	FELL	FELL
CT1926	3801	811398.996	820112.052	黃槿	*Hibiscus tiliaceus*	115	9	6	FELL	FELL
CT1927	3801	811399.271	820112.690	台灣相思	*Acacia confusa*	150	12	6	FELL	FELL
CT1928	3801	811398.235	820112.583	台灣相思	*Acacia confusa*	170	12	5	FELL	FELL
CT1929	3801	811396.943	820112.368	台灣相思	*Acacia confusa*	200	12	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT193	3801	811643.239	820169.055	黃槿	*Hibiscus tiliaceus*	100	4	6	FELL	FELL
CT1930	3801	811397.720	820111.779	黃槿	*Hibiscus tiliaceus*	200	11	6	FELL	FELL
CT1931	3801	811396.582	820111.552	黃槿	*Hibiscus tiliaceus*	210	11	6	FELL	FELL
CT1932	3801	811395.944	820111.552	黃槿	*Hibiscus tiliaceus*	283	13	7	FELL	FELL
CT1933	3801	811395.591	820124.989	銀合歡	*Leucaena leucocephala*	320	5	9	FELL	FELL
CT1934	3801	811394.365	820126.533	大王椰子	*Roystonea regia*	195	7	3	FELL	FELL
CT194	3801	811647.099	820170.705	紅膠木	*Lophostemon confertus*	110	7	6	FELL	FELL
CT195	3801	811648.907	820170.951	紅膠木	*Lophostemon confertus*	120	9	5	FELL	FELL
CT196	3801	811656.047	820174.360	台灣相思	*Acacia confusa*	300	13	8	FELL	FELL
CT197	3801	811658.662	820177.947	楝	*Melia azedarach*	230	13	7	FELL	FELL
CT198	3801	811660.299	820178.993	台灣相思	*Acacia confusa*	130	10	6	FELL	FELL
CT199	3801	811657.880	820179.319	台灣相思	*Acacia confusa*	130	13	5	FELL	FELL
CT200	3801	811655.969	820178.959	台灣相思	*Acacia confusa*	100	10	3	FELL	FELL
CT201	3801	811655.786	820180.102	耳果相思	*Acacia auriculiformis*	180	14	6	FELL	FELL
CT202	3801	811652.113	820182.405	大葉相思	*Acacia mangium*	230	14	6	FELL	FELL
CT203	3801	811650.822	820177.183	銀合歡	*Leucaena leucocephala*	110	12	5	FELL	FELL
CT204	3801	811646.331	820176.852	台灣相思	*Acacia confusa*	150	11	7	FELL	FELL
CT205	3801	811645.269	820177.900	台灣相思	*Acacia confusa*	120	13	7	FELL	FELL
CT206	3801	811644.245	820178.156	台灣相思	*Acacia confusa*	170	15	8	FELL	FELL
CT207	3801	811644.127	820181.841	台灣相思	*Acacia confusa*	140	14	7	FELL	FELL
CT208	3801	811647.929	820181.165	台灣相思	*Acacia confusa*	130	14	5	FELL	FELL
CT209	3801	811648.879	820181.789	台灣相思	*Acacia confusa*	120	15	4	FELL	FELL
CT210	3801	811646.912	820182.868	台灣相思	*Acacia confusa*	130	14	4	FELL	FELL
CT212	3801	811645.445	820184.991	台灣相思	*Acacia confusa*	120	12	5	FELL	FELL
CT213	3801	811645.095	820186.558	台灣相思	*Acacia confusa*	140	12	5	FELL	FELL
CT214	3801	811643.149	820186.397	青果榕	*Ficus variegata*	220	15	8	FELL	FELL
CT217	3801	811639.417	820188.072	台灣相思	*Acacia confusa*	170	11	6	FELL	FELL
CT218	3801	811636.965	820188.049	台灣相思	*Acacia confusa*	150	11	5	FELL	FELL
CT219	3801	811640.292	820184.068	台灣相思	*Acacia confusa*	140	12	5	FELL	FELL
CT220	3801	811641.476	820182.823	台灣相思	*Acacia confusa*	120	13	6	FELL	FELL
CT221	3801	811639.794	820181.531	台灣相思	*Acacia confusa*	130	13	6	FELL	FELL
CT222	3801	811639.073	820180.793	台灣相思	*Acacia confusa*	112	13	5	FELL	FELL
CT223	3801	811637.328	820181.255	台灣相思	*Acacia confusa*	130	12	7	FELL	FELL
CT224	3801	811636.552	820182.481	台灣相思	*Acacia confusa*	180	12	8	FELL	FELL
CT225	3801	811638.424	820179.225	台灣相思	*Acacia confusa*	249	12	8	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT226	3801	811638.866	820172.737	紅膠木	*Lophostemon confertus*	120	9	5	FELL	FELL
CT227	3801	811637.149	820173.115	紅膠木	*Lophostemon confertus*	110	8	4	FELL	FELL
CT228	3801	811635.727	820172.814	台灣相思	*Acacia confusa*	160	10	7	FELL	FELL
CT229	3801	811634.606	820175.087	黃槿	*Hibiscus tiliaceus*	110	7	5	FELL	FELL
CT230	3801	811633.556	820175.201	黃槿	*Hibiscus tiliaceus*	100	6	5	FELL	FELL
CT231	3801	811632.835	820174.508	紅膠木	*Lophostemon confertus*	110	6	7	FELL	FELL
CT232	3801	811629.994	820175.478	紅膠木	*Lophostemon confertus*	100	5	4	FELL	FELL
CT233	3801	811628.890	820172.596	楝	*Melia azedarach*	150	7	6	FELL	FELL
CT234	3801	811627.992	820173.085	楝	*Melia azedarach*	130	8	5	FELL	FELL
CT235	3801	811627.127	820173.390	台灣相思	*Acacia confusa*	120	8	4	FELL	FELL
CT236	3801	811626.228	820173.720	台灣相思	*Acacia confusa*	160	9	7	FELL	FELL
CT237	3801	811625.334	820174.019	台灣相思	*Acacia confusa*	261	10	8	FELL	FELL
CT238	3801	811625.774	820175.690	台灣相思	*Acacia confusa*	130	9	6	FELL	FELL
CT239	3801	811627.687	820175.277	台灣相思	*Acacia confusa*	140	9	5	FELL	FELL
CT240	3801	811626.430	820178.005	大葉相思	*Acacia mangium*	140	10	2	FELL	FELL
CT241	3801	811627.306	820178.934	大葉相思	*Acacia mangium*	200	10	4	FELL	FELL
CT242	3801	811634.271	820182.916	死樹	*Dead tree*	100	4	6	FELL	FELL
CT243	3801	811627.061	820182.529	楝	*Melia azedarach*	220	9	8	FELL	FELL
CT244	3801	811625.027	820183.954	台灣相思	*Acacia confusa*	158	9	5	FELL	FELL
CT245	3801	811623.381	820183.302	台灣相思	*Acacia confusa*	100	8	5	FELL	FELL
CT246	3801	811622.449	820183.456	台灣相思	*Acacia confusa*	130	11	5	FELL	FELL
CT247	3801	811622.881	820185.972	楝	*Melia azedarach*	260	10	9	FELL	FELL
CT248	3801	811626.322	820187.588	台灣相思	*Acacia confusa*	130	11	6	FELL	FELL
CT249	3801	811627.316	820187.632	台灣相思	*Acacia confusa*	140	12	6	FELL	FELL
CT250	3801	811626.093	820188.988	台灣相思	*Acacia confusa*	110	10	5	FELL	FELL
CT251	3801	811628.441	820189.007	台灣相思	*Acacia confusa*	100	9	6	FELL	FELL
CT252	3801	811629.038	820188.473	台灣相思	*Acacia confusa*	100	14	4	FELL	FELL
CT253	3801	811628.994	820187.277	台灣相思	*Acacia confusa*	190	15	9	FELL	FELL
CT254	3801	811634.744	820190.433	台灣相思	*Acacia confusa*	162	9	6	FELL	FELL
CT255	3801	811627.857	820192.216	大葉相思	*Acacia mangium*	350	14	10	FELL	FELL
CT256	3801	811620.891	820192.285	台灣相思	*Acacia confusa*	130	10	6	FELL	FELL
CT257	3801	811620.248	820191.642	台灣相思	*Acacia confusa*	110	5	5	FELL	FELL
CT258	3801	811618.360	820191.800	台灣相思	*Acacia confusa*	230	13	8	FELL	FELL
CT259	3801	811616.201	820189.564	台灣相思	*Acacia confusa*	160	13	8	FELL	FELL
CT260	3801	811617.578	820188.518	台灣相思	*Acacia confusa*	150	11	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT261	3801	811616.667	820188.642	台灣相思	*Acacia confusa*	198	12	4	FELL	FELL
CT262	3801	811616.286	820186.763	台灣相思	*Acacia confusa*	156	14	5	FELL	FELL
CT263	3801	811615.407	820186.922	台灣相思	*Acacia confusa*	120	12	6	FELL	FELL
CT264	3801	811612.672	820191.971	楝	*Melia azedarach*	220	10	7	FELL	FELL
CT265	3801	811608.837	820192.214	黃槿	*Hibiscus tiliaceus*	130	8	9	FELL	FELL
CT266	3801	811607.771	820192.352	黃槿	*Hibiscus tiliaceus*	110	9	7	FELL	FELL
CT267	3801	811605.940	820196.440	台灣相思	*Acacia confusa*	180	9	10	FELL	FELL
CT268	3801	811603.780	820194.290	耳果相思	*Acacia auriculiformis*	310	13	5	FELL	FELL
CT269	3801	811603.510	820195.090	耳果相思	*Acacia auriculiformis*	249	13	5	FELL	FELL
CT27	3801	811752.679	820070.061	台灣相思	*Acacia confusa*	120	5	6	FELL	FELL
CT270	3801	811602.800	820202.900	台灣相思	*Acacia confusa*	156	10	6	FELL	FELL
CT271	3801	811602.570	820204.130	台灣相思	*Acacia confusa*	177	10	8	FELL	FELL
CT272	3801	811601.180	820204.200	台灣相思	*Acacia confusa*	177	10	8	FELL	FELL
CT273	3801	811595.900	820198.760	楝	*Melia azedarach*	290	10	7	FELL	FELL
CT274	3801	811596.800	820196.990	楝	*Melia azedarach*	160	9	6	FELL	FELL
CT275	3801	811595.840	820197.140	楝	*Melia azedarach*	240	11	6	FELL	FELL
CT276	3801	811595.260	820197.820	楝	*Melia azedarach*	100	5	5	TRANSPLANT	TRANSPLANT
CT277	3801	811593.710	820196.840	楝	*Melia azedarach*	240	11	7	FELL	FELL
CT278	3801	811593.220	820197.560	台灣相思	*Acacia confusa*	100	4	4	FELL	FELL
CT279	3801	811592.440	820195.410	大葉相思	*Acacia mangium*	470	15	8	FELL	FELL
CT28	3801	811749.735	820076.922	台灣相思	*Acacia confusa*	110	10	6	FELL	FELL
CT280	3801	811588.930	820194.170	楝	*Melia azedarach*	220	15	5	FELL	FELL
CT281	3801	811590.545	820190.559	台灣相思	*Acacia confusa*	170	13	8	FELL	FELL
CT282	3801	811590.413	820189.831	台灣相思	*Acacia confusa*	110	4	4	FELL	FELL
CT283	3801	811591.912	820189.888	台灣相思	*Acacia confusa*	130	13	8	FELL	FELL
CT284	3801	811592.465	820190.999	台灣相思	*Acacia confusa*	150	14	6	FELL	FELL
CT285	3801	811593.309	820192.003	台灣相思	*Acacia confusa*	170	14	6	FELL	FELL
CT286	3801	811597.544	820189.239	楝	*Melia azedarach*	410	14	15	FELL	FELL
CT287	3801	811598.413	820188.294	台灣相思	*Acacia confusa*	110	6	6	FELL	FELL
CT288	3801	811599.048	820187.264	台灣相思	*Acacia confusa*	160	12	5	FELL	FELL
CT289	3801	811599.833	820186.409	台灣相思	*Acacia confusa*	130	4	7	FELL	FELL
CT29	3801	811748.524	820077.019	台灣相思	*Acacia confusa*	230	9	6	FELL	FELL
CT290	3801	811600.576	820186.269	台灣相思	*Acacia confusa*	226	14	6	FELL	FELL
CT292	3801	811602.567	820188.954	黃槿	*Hibiscus tiliaceus*	120	7	5	FELL	FELL
CT293	3801	811610.278	820183.583	台灣相思	*Acacia confusa*	150	13	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT294	3801	811610.664	820182.520	台灣相思	*Acacia confusa*	160	13	8	FELL	FELL
CT295	3801	811613.009	820183.408	台灣相思	*Acacia confusa*	110	10	2	FELL	FELL
CT296	3801	811615.405	820179.992	台灣相思	*Acacia confusa*	140	12	7	FELL	FELL
CT297	3801	811616.217	820179.134	台灣相思	*Acacia confusa*	150	12	8	FELL	FELL
CT298	3801	811618.344	820180.692	台灣相思	*Acacia confusa*	130	10	4	FELL	FELL
CT299	3801	811618.669	820179.628	台灣相思	*Acacia confusa*	120	10	5	FELL	FELL
CT30	3801	811749.506	820077.887	台灣相思	*Acacia confusa*	180	9	5	FELL	FELL
CT300	3801	811617.973	820179.118	台灣相思	*Acacia confusa*	222	10	7	FELL	FELL
CT301	3801	811613.979	820174.946	台灣相思	*Acacia confusa*	120	7	4	FELL	FELL
CT302	3801	811608.407	820175.061	潺槁樹	*Litsea glutinosa*	110	5	5	FELL	FELL
CT303	3801	811606.791	820175.354	台灣相思	*Acacia confusa*	170	9	7	FELL	FELL
CT304	3801	811605.578	820176.479	台灣相思	*Acacia confusa*	140	9	7	FELL	FELL
CT305	3801	811607.000	820178.026	紅膠木	*Lophostemon confertus*	110	8	4	FELL	FELL
CT306	3801	811608.708	820177.804	紅膠木	*Lophostemon confertus*	160	9	5	FELL	FELL
CT307	3801	811609.093	820179.437	紅膠木	*Lophostemon confertus*	110	9	5	FELL	FELL
CT308	3801	811609.490	820180.219	紅膠木	*Lophostemon confertus*	110	9	5	FELL	FELL
CT31	3801	811751.161	820077.486	楝	*Melia azedarach*	180	7	6	FELL	FELL
CT310	3801	811605.323	820181.508	黃槿	*Hibiscus tiliaceus*	110	8	5	FELL	FELL
CT311	3801	811600.991	820178.702	台灣相思	*Acacia confusa*	180	12	8	FELL	FELL
CT312	3801	811598.721	820180.011	羊蹄甲屬	*Bauhinia sp.*	100	5	4	FELL	FELL
CT313	3801	811598.031	820178.956	楝	*Melia azedarach*	210	9	8	FELL	FELL
CT314	3801	811598.059	820177.339	楝	*Melia azedarach*	200	7	8	FELL	FELL
CT315	3801	811598.245	820175.703	大葉相思	*Acacia mangium*	180	9	8	FELL	FELL
CT316	3801	811596.075	820176.511	台灣相思	*Acacia confusa*	100	5	4	FELL	FELL
CT317	3801	811595.119	820180.506	台灣相思	*Acacia confusa*	120	10	5	FELL	FELL
CT318	3801	811600.488	820183.166	大葉相思	*Acacia mangium*	120	4	10	FELL	FELL
CT319	3801	811589.055	820183.051	黃槿	*Hibiscus tiliaceus*	180	10	8	FELL	FELL
CT32	3801	811750.827	820079.902	楝	*Melia azedarach*	230	11	6	FELL	FELL
CT320	3801	811588.532	820181.949	黃槿	*Hibiscus tiliaceus*	100	5	5	FELL	FELL
CT321	3801	811588.774	820183.646	黃槿	*Hibiscus tiliaceus*	120	10	5	FELL	FELL
CT322	3801	811590.517	820183.644	台灣相思	*Acacia confusa*	100	9	4	FELL	FELL
CT323	3801	811588.233	820186.440	台灣相思	*Acacia confusa*	140	12	4	FELL	FELL
CT324	3801	811587.510	820186.455	台灣相思	*Acacia confusa*	170	12	6	FELL	FELL
CT325	3801	811586.351	820186.221	台灣相思	*Acacia confusa*	160	12	8	FELL	FELL
CT326	3801	811584.605	820185.869	台灣相思	*Acacia confusa*	100	11	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT327	3801	811587.177	820184.553	台灣相思	*Acacia confusa*	100	9	5	FELL	FELL
CT328	3801	811586.244	820184.265	台灣相思	*Acacia confusa*	130	14	6	FELL	FELL
CT329	3801	811585.496	820184.249	台灣相思	*Acacia confusa*	100	12	4	FELL	FELL
CT33	3801	811749.556	820079.688	楝	*Melia azedarach*	260	10	10	FELL	FELL
CT330	3801	811586.581	820183.557	黃槿	*Hibiscus tiliaceus*	170	10	8	FELL	FELL
CT331	3801	811587.165	820181.696	黃槿	*Hibiscus tiliaceus*	100	7	7	FELL	FELL
CT332	3801	811583.918	820180.155	大葉相思	*Acacia mangium*	140	12	4	FELL	FELL
CT333	3801	811584.895	820179.336	大葉相思	*Acacia mangium*	210	11	6	FELL	FELL
CT334	3801	811581.583	820176.857	黃槿	*Hibiscus tiliaceus*	180	10	8	FELL	FELL
CT335	3801	811580.963	820175.778	黃槿	*Hibiscus tiliaceus*	200	9	9	FELL	FELL
CT336	3801	811579.604	820175.243	黃槿	*Hibiscus tiliaceus*	120	8	7	FELL	FELL
CT337	3801	811577.501	820175.575	楝	*Melia azedarach*	180	10	7	FELL	FELL
CT338	3801	811580.583	820180.042	紅膠木	*Lophostemon confertus*	100	10	4	FELL	FELL
CT339	3801	811580.319	820182.740	台灣相思	*Acacia confusa*	140	11	7	FELL	FELL
CT34	3801	811748.574	820079.676	台灣相思	*Acacia confusa*	170	9	6	FELL	FELL
CT340	3801	811579.356	820183.553	台灣相思	*Acacia confusa*	110	5	7	FELL	FELL
CT341	3801	811577.983	820182.648	台灣相思	*Acacia confusa*	150	12	8	FELL	FELL
CT342	3801	811576.174	820181.160	耳果相思	*Acacia auriculiformis*	130	9	4	FELL	FELL
CT343	3801	811580.652	820183.828	台灣相思	*Acacia confusa*	130	12	7	FELL	FELL
CT344	3801	811579.769	820184.596	台灣相思	*Acacia confusa*	170	12	8	FELL	FELL
CT345	3801	811579.003	820185.295	台灣相思	*Acacia confusa*	170	3	7	FELL	FELL
CT347	3801	811571.962	820182.147	黃槿	*Hibiscus tiliaceus*	140	7	8	FELL	FELL
CT347A	3801	811569.712	820181.571	黃槿	*Hibiscus tiliaceus*	110	8	7	FELL	FELL
CT348	3801	811570.618	820176.739	黃槿	*Hibiscus tiliaceus*	120	5	5	FELL	FELL
CT348A	3801	811570.306	820180.994	黃槿	*Hibiscus tiliaceus*	110	8	7	FELL	FELL
CT349	3801	811571.688	820176.833	黃槿	*Hibiscus tiliaceus*	120	7	5	FELL	FELL
CT35	3801	811747.949	820078.950	台灣相思	*Acacia confusa*	130	9	6	FELL	FELL
CT350	3801	811571.441	820176.083	黃槿	*Hibiscus tiliaceus*	140	8	6	FELL	FELL
CT351	3801	811572.443	820173.627	楝	*Melia azedarach*	180	9	6	FELL	FELL
CT352	3801	811569.070	820173.973	紅膠木	*Lophostemon confertus*	120	8	5	FELL	FELL
CT353	3801	811568.271	820174.479	紅膠木	*Lophostemon confertus*	180	13	8	FELL	FELL
CT354	3801	811566.584	820173.781	台灣相思	*Acacia confusa*	130	14	8	FELL	FELL
CT355	3801	811566.157	820174.421	台灣相思	*Acacia confusa*	160	14	7	FELL	FELL
CT356	3801	811565.050	820176.274	台灣相思	*Acacia confusa*	190	11	9	FELL	FELL
CT356A	3801	811563.000	820174.348	黃花夾竹桃	*Thevetia peruviana*	120	5	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT357	3801	811562.290	820169.075	黃槿	*Hibiscus tiliaceus*	100	5	7	FELL	FELL
CT358	3801	811561.220	820169.530	黃槿	*Hibiscus tiliaceus*	130	6	6	FELL	FELL
CT359	3801	811562.410	820166.168	黃槿	*Hibiscus tiliaceus*	180	9	7	FELL	FELL
CT36	3801	811748.387	820082.323	台灣相思	*Acacia confusa*	110	7	6	FELL	FELL
CT360	3801	811563.474	820167.774	黃槿	*Hibiscus tiliaceus*	100	4	5	FELL	FELL
CT361	3801	811557.571	820164.222	黃槿	*Hibiscus tiliaceus*	200	10	9	FELL	FELL
CT362	3801	811556.710	820163.534	黃槿	*Hibiscus tiliaceus*	170	9	8	FELL	FELL
CT363	3801	811556.379	820166.009	台灣相思	*Acacia confusa*	150	11	7	FELL	FELL
CT364	3801	811556.397	820169.840	黃槿	*Hibiscus tiliaceus*	170	10	7	FELL	FELL
CT365	3801	811556.338	820170.816	黃槿	*Hibiscus tiliaceus*	230	10	10	FELL	FELL
CT366	3801	811554.484	820168.727	黃槿	*Hibiscus tiliaceus*	110	7	4	FELL	FELL
CT369	3801	811545.411	820159.783	台灣相思	*Acacia confusa*	120	7	7	FELL	FELL
CT369A	3801	811546.329	820157.769	黃花夾竹桃	*Thevetia peruviana*	120	5	5	FELL	FELL
CT37	3801	811750.258	820081.748	台灣相思	*Acacia confusa*	150	6	5	FELL	FELL
CT370	3801	811539.719	820144.976	黃槿	*Hibiscus tiliaceus*	150	9	5	FELL	FELL
CT371	3801	811540.311	820145.315	死樹	*Dead tree*	160	9	5	FELL	FELL
CT372	3801	811542.162	820144.061	楝	*Melia azedarach*	170	12	8	FELL	FELL
CT373	3801	811541.862	820141.012	楝	*Melia azedarach*	110	9	5	FELL	FELL
CT374	3801	811541.995	820140.255	楝	*Melia azedarach*	150	9	5	FELL	FELL
CT375	3801	811540.395	820138.731	台灣相思	*Acacia confusa*	140	10	7	FELL	FELL
CT376	3801	811539.691	820138.373	台灣相思	*Acacia confusa*	100	4	2	FELL	FELL
CT377	3801	811540.038	820137.499	台灣相思	*Acacia confusa*	140	13	5	FELL	FELL
CT378	3801	811541.467	820138.117	台灣相思	*Acacia confusa*	160	10	6	FELL	FELL
CT379	3801	811542.477	820136.790	台灣相思	*Acacia confusa*	130	9	7	FELL	FELL
CT37A	3801	811749.695	820082.564	台灣相思	*Acacia confusa*	110	5	5	FELL	FELL
CT38	3801	811747.748	820087.335	台灣相思	*Acacia confusa*	160	5	5	FELL	FELL
CT380	3801	811541.016	820135.756	黃槿	*Hibiscus tiliaceus*	180	10	6	FELL	FELL
CT381	3801	811541.415	820135.206	黃槿	*Hibiscus tiliaceus*	277	11	8	FELL	FELL
CT382	3801	811544.472	820136.937	大葉相思	*Acacia mangium*	200	13	7	FELL	FELL
CT383	3801	811545.009	820136.290	大葉相思	*Acacia mangium*	150	11	5	FELL	FELL
CT384	3801	811546.860	820134.049	楝	*Melia azedarach*	130	5	8	FELL	FELL
CT385	3801	811547.407	820133.621	楝	*Melia azedarach*	390	13	10	FELL	FELL
CT386	3801	811545.164	820131.244	楝	*Melia azedarach*	210	14	6	FELL	FELL
CT387	3801	811546.463	820129.222	黃槿	*Hibiscus tiliaceus*	220	9	6	FELL	FELL
CT388	3801	811549.776	820127.886	台灣相思	*Acacia confusa*	130	8	4	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT389	3801	811550.014	820127.527	楝	*Melia azedarach*	230	14	7	FELL	FELL
CT39	3801	811746.892	820087.273	台灣相思	*Acacia confusa*	200	9	6	FELL	FELL
CT390	3801	811550.829	820128.488	台灣相思	*Acacia confusa*	140	8	5	FELL	FELL
CT391	3801	811551.538	820127.006	楝	*Melia azedarach*	110	9	4	FELL	FELL
CT392	3801	811551.629	820128.109	台灣相思	*Acacia confusa*	260	15	9	FELL	FELL
CT393	3801	811552.278	820127.864	台灣相思	*Acacia confusa*	130	9	5	FELL	FELL
CT394	3801	811554.501	820126.665	楝	*Melia azedarach*	190	15	6	FELL	FELL
CT395	3801	811556.164	820124.991	楝	*Melia azedarach*	150	9	5	FELL	FELL
CT396	3801	811558.887	820124.196	楝	*Melia azedarach*	250	15	7	FELL	FELL
CT397	3801	811563.497	820122.778	台灣相思	*Acacia confusa*	160	10	7	FELL	FELL
CT398	3801	811563.466	820124.198	台灣相思	*Acacia confusa*	140	7	6	FELL	FELL
CT399	3801	811564.981	820123.600	台灣相思	*Acacia confusa*	140	10	6	FELL	FELL
CT40	3801	811744.787	820085.847	楝	*Melia azedarach*	240	8	7	FELL	FELL
CT400	3801	811564.628	820124.241	台灣相思	*Acacia confusa*	130	9	6	FELL	FELL
CT401	3801	811564.289	820125.226	台灣相思	*Acacia confusa*	150	13	9	FELL	FELL
CT402	3801	811565.217	820125.175	台灣相思	*Acacia confusa*	100	8	5	FELL	FELL
CT403	3801	811564.839	820126.036	台灣相思	*Acacia confusa*	120	12	5	FELL	FELL
CT404	3801	811562.956	820127.747	黃花夾竹桃	*Thevetia peruviana*	117	7	4	FELL	FELL
CT405	3801	811563.674	820127.654	黃花夾竹桃	*Thevetia peruviana*	100	9	3	FELL	FELL
CT406	3801	811565.776	820126.154	台灣相思	*Acacia confusa*	140	12	7	FELL	FELL
CT407	3801	811567.132	820127.264	黃花夾竹桃	*Thevetia peruviana*	136	9	4	FELL	FELL
CT408	3801	811570.464	820127.440	黃花夾竹桃	*Thevetia peruviana*	146	7	3	FELL	FELL
CT409	3801	811573.813	820127.057	大葉相思	*Acacia mangium*	310	15	8	FELL	FELL
CT41	3801	811743.761	820089.377	楝	*Melia azedarach*	100	6	4	FELL	FELL
CT410	3801	811574.436	820127.371	銀合歡	*Leucaena leucocephala*	100	13	6	FELL	FELL
CT411	3801	811568.800	820121.917	大葉相思	*Acacia mangium*	160	14	8	FELL	FELL
CT412	3801	811577.448	820126.902	大葉相思	*Acacia mangium*	230	14	7	FELL	FELL
CT413	3801	811577.714	820127.244	大葉相思	*Acacia mangium*	140	15	5	FELL	FELL
CT414	3801	811581.792	820124.546	紅膠木	*Lophostemon confertus*	120	9	5	FELL	FELL
CT415	3801	811582.341	820125.869	羊蹄甲屬	*Bauhinia sp.*	130	9	7	FELL	FELL
CT416	3801	811583.838	820126.617	楝	*Melia azedarach*	160	15	6	FELL	FELL
CT417	3801	811584.964	820126.648	楝	*Melia azedarach*	150	12	6	FELL	FELL
CT418	3801	811585.571	820126.089	台灣相思	*Acacia confusa*	150	5	8	FELL	FELL
CT419	3801	811586.362	820126.210	台灣相思	*Acacia confusa*	140	13	9	FELL	FELL
CT42	3801	811746.165	820089.613	台灣相思	*Acacia confusa*	170	7	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT420	3801	811587.302	820126.117	台灣相思	*Acacia confusa*	170	11	5	FELL	FELL
CT421	3801	811588.630	820126.027	台灣相思	*Acacia confusa*	150	12	8	FELL	FELL
CT422	3801	811590.441	820126.009	台灣相思	*Acacia confusa*	150	12	9	FELL	FELL
CT423	3801	811590.945	820126.389	台灣相思	*Acacia confusa*	190	11	10	FELL	FELL
CT424	3801	811591.889	820125.298	台灣相思	*Acacia confusa*	100	6	5	FELL	FELL
CT425	3801	811592.963	820124.931	台灣相思	*Acacia confusa*	110	6	4	FELL	FELL
CT426	3801	811593.562	820125.921	台灣相思	*Acacia confusa*	160	14	10	FELL	FELL
CT427	3801	811593.957	820125.913	死樹	*Dead tree*	170	12	8	FELL	FELL
CT428	3801	811594.525	820125.174	台灣相思	*Acacia confusa*	170	13	11	FELL	FELL
CT429	3801	811599.937	820122.669	台灣相思	*Acacia confusa*	140	13	5	FELL	FELL
CT43	3801	811742.235	820095.116	台灣相思	*Acacia confusa*	206	8	8	FELL	FELL
CT430	3801	811604.440	820121.972	大葉相思	*Acacia mangium*	140	12	8	FELL	FELL
CT431	3801	811605.429	820122.065	大葉相思	*Acacia mangium*	210	13	9	FELL	FELL
CT432	3801	811606.256	820123.023	大葉相思	*Acacia mangium*	120	8	6	FELL	FELL
CT433	3801	811606.493	820122.058	大葉相思	*Acacia mangium*	160	11	5	FELL	FELL
CT434	3801	811607.521	820122.902	大葉相思	*Acacia mangium*	240	14	8	FELL	FELL
CT435	3801	811609.123	820122.279	楝	*Melia azedarach*	230	14	6	FELL	FELL
CT436	3801	811606.825	820126.286	羊蹄甲屬	*Bauhinia sp.*	130	8	7	FELL	FELL
CT437	3801	811608.822	820125.772	羊蹄甲屬	*Bauhinia sp.*	150	8	9	FELL	FELL
CT438	3801	811610.717	820125.653	羊蹄甲屬	*Bauhinia sp.*	120	10	5	FELL	FELL
CT439	3801	811611.915	820122.181	楝	*Melia azedarach*	210	13	7	FELL	FELL
CT44	3801	811742.018	820096.878	台灣相思	*Acacia confusa*	140	8	5	FELL	FELL
CT440	3801	811616.465	820121.391	台灣相思	*Acacia confusa*	230	10	7	FELL	FELL
CT441	3801	811618.568	820121.241	台灣相思	*Acacia confusa*	180	10	8	FELL	FELL
CT442	3801	811619.682	820121.146	台灣相思	*Acacia confusa*	110	6	4	FELL	FELL
CT443	3801	811623.012	820118.846	台灣相思	*Acacia confusa*	130	10	5	FELL	FELL
CT444	3801	811624.418	820119.154	紅膠木	*Lophostemon confertus*	110	7	5	FELL	FELL
CT445	3801	811621.031	820124.575	台灣相思	*Acacia confusa*	110	7	4	FELL	FELL
CT446	3801	811622.188	820124.470	台灣相思	*Acacia confusa*	160	10	8	FELL	FELL
CT447	3801	811625.011	820123.776	台灣相思	*Acacia confusa*	210	14	9	FELL	FELL
CT448	3801	811625.935	820123.460	台灣相思	*Acacia confusa*	130	13	8	FELL	FELL
CT449	3801	811626.961	820123.328	台灣相思	*Acacia confusa*	120	14	8	FELL	FELL
CT45	3801	811740.882	820098.639	台灣相思	*Acacia confusa*	130	7	5	FELL	FELL
CT450	3801	811627.752	820123.101	台灣相思	*Acacia confusa*	120	14	5	FELL	FELL
CT451	3801	811628.511	820122.961	台灣相思	*Acacia confusa*	220	15	9	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT452	3801	811630.122	820120.083	大葉相思	*Acacia mangium*	190	10	7	FELL	FELL
CT453	3801	811636.933	820117.605	台灣相思	*Acacia confusa*	190	11	8	FELL	FELL
CT454	3801	811637.853	820116.964	台灣相思	*Acacia confusa*	160	11	6	FELL	FELL
CT455	3801	811640.899	820116.177	耳果相思	*Acacia auriculiformis*	280	15	7	FELL	FELL
CT456	3801	811641.336	820116.099	大葉相思	*Acacia mangium*	190	12	5	FELL	FELL
CT457	3801	811640.144	820117.408	大葉相思	*Acacia mangium*	190	13	7	FELL	FELL
CT458	3801	811647.587	820116.440	羊蹄甲屬	*Bauhinia sp.*	120	7	6	FELL	FELL
CT459	3801	811650.024	820113.891	大葉相思	*Acacia mangium*	320	15	8	FELL	FELL
CT46	3801	811740.407	820098.008	台灣相思	*Acacia confusa*	170	9	6	FELL	FELL
CT460	3801	811650.238	820112.821	台灣相思	*Acacia confusa*	200	8	6	FELL	FELL
CT461	3801	811651.801	820112.943	大葉相思	*Acacia mangium*	230	13	6	FELL	FELL
CT462	3801	811652.783	820110.938	台灣相思	*Acacia confusa*	170	5	2	FELL	FELL
CT463	3801	811655.205	820111.821	台灣相思	*Acacia confusa*	130	12	10	FELL	FELL
CT464	3801	811655.382	820110.962	台灣相思	*Acacia confusa*	100	5	5	FELL	FELL
CT465	3801	811656.252	820110.739	台灣相思	*Acacia confusa*	150	12	7	FELL	FELL
CT466	3801	811658.259	820111.001	羊蹄甲屬	*Bauhinia sp.*	100	7	2	FELL	FELL
CT467	3801	811657.594	820109.536	台灣相思	*Acacia confusa*	170	13	7	FELL	FELL
CT468	3801	811663.670	820106.670	台灣相思	*Acacia confusa*	280	14	8	FELL	FELL
CT469	3801	811664.861	820107.684	台灣相思	*Acacia confusa*	210	12	7	FELL	FELL
CT47	3801	811739.809	820097.621	台灣相思	*Acacia confusa*	166	7	6	FELL	FELL
CT470	3801	811668.850	820104.569	楝	*Melia azedarach*	190	15	8	FELL	FELL
CT471	3801	811671.853	820101.349	紅膠木	*Lophostemon confertus*	190	10	8	FELL	FELL
CT472	3801	811683.171	820096.999	大葉相思	*Acacia mangium*	300	14	8	FELL	FELL
CT473	3801	811684.071	820095.415	台灣相思	*Acacia confusa*	190	15	8	FELL	FELL
CT474	3801	811685.045	820093.647	台灣相思	*Acacia confusa*	170	15	7	FELL	FELL
CT475	3801	811686.829	820095.120	潺槁樹	*Litsea glutinosa*	100	5	3	FELL	FELL
CT476	3801	811687.830	820093.042	台灣相思	*Acacia confusa*	220	4	6	FELL	FELL
CT477	3801	811688.458	820091.561	台灣相思	*Acacia confusa*	250	14	11	FELL	FELL
CT478	3801	811689.519	820091.909	台灣相思	*Acacia confusa*	320	15	12	FELL	FELL
CT479	3801	811689.985	820094.007	黃花夾竹桃	*Thevetia peruviana*	100	8	5	FELL	FELL
CT480	3801	811691.131	820093.457	黃花夾竹桃	*Thevetia peruviana*	100	6	4	FELL	FELL
CT481	3801	811691.718	820092.772	黃花夾竹桃	*Thevetia peruviana*	110	6	7	FELL	FELL
CT482	3801	811691.930	820091.097	羊蹄甲屬	*Bauhinia sp.*	120	4	5	FELL	FELL
CT483	3801	811692.459	820089.034	黃槿	*Hibiscus tiliaceus*	130	9	5	FELL	FELL
CT484	3801	811694.017	820087.966	楝	*Melia azedarach*	270	16	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT485	3801	811694.423	820087.391	台灣相思	*Acacia confusa*	130	9	5	FELL	FELL
CT486	3801	811694.801	820088.751	羊蹄甲屬	*Bauhinia sp.*	130	6	8	FELL	FELL
CT487	3801	811695.713	820089.786	楝	*Melia azedarach*	320	13	8	FELL	FELL
CT488	3801	811697.804	820086.572	楝	*Melia azedarach*	280	11	9	FELL	FELL
CT489	3801	811698.732	820085.742	大葉相思	*Acacia mangium*	150	9	5	FELL	FELL
CT490	3801	811698.649	820085.337	大葉相思	*Acacia mangium*	480	15	10	FELL	FELL
CT491	3801	811698.397	820084.309	大葉相思	*Acacia mangium*	310	14	8	FELL	FELL
CT492	3801	811700.729	820082.547	大葉相思	*Acacia mangium*	110	8	2	FELL	FELL
CT493	3801	811701.690	820083.460	大葉相思	*Acacia mangium*	140	8	5	FELL	FELL
CT494	3801	811702.346	820082.617	大葉相思	*Acacia mangium*	230	14	8	FELL	FELL
CT495	3801	811701.812	820081.676	大葉相思	*Acacia mangium*	280	13	7	FELL	FELL
CT496	3801	811703.190	820082.497	大葉相思	*Acacia mangium*	170	13	6	FELL	FELL
CT497	3801	811704.000	820081.022	台灣相思	*Acacia confusa*	110	6	3	FELL	FELL
CT498	3801	811704.600	820080.461	台灣相思	*Acacia confusa*	160	12	7	FELL	FELL
CT499	3801	811705.521	820079.793	台灣相思	*Acacia confusa*	120	13	5	FELL	FELL
CT50	3801	811733.587	820104.750	羊蹄甲屬	*Bauhinia sp.*	130	5	5	FELL	FELL
CT500	3801	811705.686	820078.834	台灣相思	*Acacia confusa*	150	6	2	FELL	FELL
CT501	3801	811706.372	820081.647	台灣相思	*Acacia confusa*	226	12	7	FELL	FELL
CT501A	3801	811707.392	820080.549	台灣相思	*Acacia confusa*	110	10	6	FELL	FELL
CT502	3801	811707.000	820079.000	台灣相思	*Acacia confusa*	140	11	5	FELL	FELL
CT503	3801	811708.760	820077.670	台灣相思	*Acacia confusa*	227	13	8	FELL	FELL
CT504	3801	811709.981	820078.056	台灣相思	*Acacia confusa*	110	13	6	FELL	FELL
CT505	3801	811710.965	820077.751	台灣相思	*Acacia confusa*	184	15	8	FELL	FELL
CT506	3801	811715.970	820073.136	黃槿	*Hibiscus tiliaceus*	178	10	6	FELL	FELL
CT507	3801	811718.047	820071.040	黃槿	*Hibiscus tiliaceus*	110	6	7	FELL	FELL
CT508	3801	811713.210	820072.231	台灣相思	*Acacia confusa*	120	10	5	FELL	FELL
CT509	3801	811713.841	820072.123	台灣相思	*Acacia confusa*	156	10	5	FELL	FELL
CT51	3801	811735.070	820106.072	大葉相思	*Acacia mangium*	140	6	3	FELL	FELL
CT510	3801	811713.814	820071.502	台灣相思	*Acacia confusa*	120	9	5	FELL	FELL
CT511	3801	811714.260	820071.228	台灣相思	*Acacia confusa*	100	11	5	FELL	FELL
CT512	3801	811715.178	820070.421	台灣相思	*Acacia confusa*	180	12	5	FELL	FELL
CT513	3801	811715.650	820070.497	台灣相思	*Acacia confusa*	230	12	8	FELL	FELL
CT514	3801	811716.689	820069.425	台灣相思	*Acacia confusa*	110	8	5	FELL	FELL
CT515	3801	811718.195	820067.333	大葉相思	*Acacia mangium*	180	12	6	FELL	FELL
CT516	3801	811719.139	820067.499	大葉相思	*Acacia mangium*	270	13	9	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT517	3801	811719.954	820065.740	大葉相思	*Acacia mangium*	110	11	2	FELL	FELL
CT518	3801	811720.709	820065.931	大葉相思	*Acacia mangium*	150	12	4	FELL	FELL
CT519	3801	811721.150	820064.339	大葉相思	*Acacia mangium*	100	7	2	FELL	FELL
CT52	3801	811738.477	820108.984	銀合歡	*Leucaena leucocephala*	140	9	6	FELL	FELL
CT520	3801	811722.188	820064.339	大葉相思	*Acacia mangium*	160	10	4	FELL	FELL
CT521	3801	811721.725	820063.689	大葉相思	*Acacia mangium*	190	12	5	FELL	FELL
CT522	3801	811723.744	820061.349	台灣相思	*Acacia confusa*	100	5	2	FELL	FELL
CT523	3801	811725.635	820061.600	台灣相思	*Acacia confusa*	160	9	6	FELL	FELL
CT524	3801	811726.999	820061.395	楝	*Melia azedarach*	260	10	7	FELL	FELL
CT525	3801	811726.418	820059.608	紅膠木	*Lophostemon confertus*	120	5	3	FELL	FELL
CT526	3801	811727.427	820059.515	台灣相思	*Acacia confusa*	130	7	4	FELL	FELL
CT528	3801	811727.783	820058.111	台灣相思	*Acacia confusa*	180	12	8	FELL	FELL
CT529	3801	811728.910	820058.908	楝	*Melia azedarach*	220	12	5	FELL	FELL
CT53	3801	811736.538	820109.681	大葉相思	*Acacia mangium*	160	9	4	FELL	FELL
CT532	3801	811731.196	820053.918	大葉相思	*Acacia mangium*	120	9	5	FELL	FELL
CT533	3801	811732.426	820053.158	大葉相思	*Acacia mangium*	100	9	5	FELL	FELL
CT534	3801	811733.116	820053.205	大葉相思	*Acacia mangium*	250	12	6	FELL	FELL
CT535	3801	811734.510	820051.640	大葉相思	*Acacia mangium*	170	11	6	FELL	FELL
CT536	3801	811733.249	820050.840	大葉相思	*Acacia mangium*	190	10	5	FELL	FELL
CT537	3801	811737.093	820047.748	黃槿	*Hibiscus tiliaceus*	130	8	6	FELL	FELL
CT538	3801	811737.978	820045.486	大葉相思	*Acacia mangium*	260	12	9	FELL	FELL
CT539	3801	811740.969	820044.556	耳果相思	*Acacia auriculiformis*	100	9	5	FELL	FELL
CT54	3801	811735.914	820110.362	大葉相思	*Acacia mangium*	100	6	4	FELL	FELL
CT540	3801	811741.432	820040.669	台灣相思	*Acacia confusa*	200	10	10	FELL	FELL
CT541	3801	811743.035	820039.490	台灣相思	*Acacia confusa*	160	10	6	FELL	FELL
CT542	3801	811743.432	820038.589	台灣相思	*Acacia confusa*	180	11	7	FELL	FELL
CT543	3801	811742.825	820038.029	台灣相思	*Acacia confusa*	230	11	8	FELL	FELL
CT544	3801	811743.665	820037.876	台灣相思	*Acacia confusa*	190	10	7	FELL	FELL
CT545	3801	811739.268	820049.919	潺槁樹	*Litsea glutinosa*	150	6	5	FELL	FELL
CT546	3801	811741.343	820056.363	台灣相思	*Acacia confusa*	120	7	5	FELL	FELL
CT547	3801	811732.375	820058.426	潺槁樹	*Litsea glutinosa*	140	6	5	FELL	FELL
CT548	3801	811722.478	820073.696	楝	*Melia azedarach*	310	11	8	FELL	FELL
CT549	3801	811716.561	820079.409	楝	*Melia azedarach*	260	12	8	FELL	FELL
CT55	3801	811736.649	820111.144	大葉相思	*Acacia mangium*	280	11	5	FELL	FELL
CT555	3801	811695.021	820105.536	銀合歡	*Leucaena leucocephala*	162	12	4	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT556	3801	811693.206	820106.820	銀合歡	*Leucaena leucocephala*	162	13	6	FELL	FELL
CT557	3801	811685.459	820100.681	死樹	*Dead tree*	200	5	3	FELL	FELL
CT558	3801	811684.391	820104.330	死樹	*Dead tree*	170	4	3	FELL	FELL
CT559	3801	811684.993	820106.267	銀合歡	*Leucaena leucocephala*	135	14	6	FELL	FELL
CT56	3801	811734.516	820113.249	紅膠木	*Lophostemon confertus*	110	5	4	FELL	FELL
CT561	3801	811684.815	820110.600	銀合歡	*Leucaena leucocephala*	232	14	8	FELL	FELL
CT562	3801	811682.641	820110.503	椰子	*Cocos nucifera*	190	5	4	FELL	FELL
CT563	3801	811682.432	820118.340	楝	*Melia azedarach*	170	14	10	FELL	FELL
CT564	3801	811677.881	820117.771	黃花夾竹桃	*Thevetia peruviana*	110	4	3	FELL	FELL
CT565	3801	811680.359	820119.373	黃花夾竹桃	*Thevetia peruviana*	232	8	5	FELL	FELL
CT566	3801	811681.461	820121.944	台灣相思	*Acacia confusa*	240	14	10	FELL	FELL
CT567	3801	811682.761	820123.636	台灣相思	*Acacia confusa*	120	14	7	FELL	FELL
CT568	3801	811684.787	820123.500	台灣相思	*Acacia confusa*	170	13	10	FELL	FELL
CT569	3801	811684.243	820124.115	台灣相思	*Acacia confusa*	160	15	10	FELL	FELL
CT57	3801	811730.716	820108.620	羊蹄甲屬	*Bauhinia sp.*	120	3	4	FELL	FELL
CT570	3801	811687.861	820123.538	台灣相思	*Acacia confusa*	150	5	5	FELL	FELL
CT571	3801	811686.055	820126.012	台灣相思	*Acacia confusa*	250	11	9	FELL	FELL
CT572	3801	811683.843	820125.468	楝	*Melia azedarach*	240	5	10	FELL	FELL
CT573	3801	811680.728	820124.520	大葉相思	*Acacia mangium*	180	10	10	FELL	FELL
CT574	3801	811678.298	820124.801	大葉相思	*Acacia mangium*	110	9	3	FELL	FELL
CT575	3801	811677.517	820124.466	大葉相思	*Acacia mangium*	270	16	8	FELL	FELL
CT576	3801	811677.027	820123.856	大葉相思	*Acacia mangium*	130	9	5	FELL	FELL
CT577	3801	811676.923	820122.893	大葉相思	*Acacia mangium*	160	9	5	FELL	FELL
CT578	3801	811674.008	820125.277	楝	*Melia azedarach*	160	10	10	FELL	FELL
CT579	3801	811673.845	820125.904	楝	*Melia azedarach*	250	15	10	FELL	FELL
CT58	3801	811729.951	820109.747	台灣相思	*Acacia confusa*	184	8	6	FELL	FELL
CT580	3801	811680.676	820127.920	羊蹄甲屬	*Bauhinia sp.*	120	10	4	FELL	FELL
CT581	3801	811679.211	820130.713	台灣相思	*Acacia confusa*	140	13	9	FELL	FELL
CT582	3801	811680.000	820130.848	台灣相思	*Acacia confusa*	150	12	7	FELL	FELL
CT583	3801	811680.782	820131.188	台灣相思	*Acacia confusa*	190	13	6	FELL	FELL
CT584	3801	811679.250	820131.256	台灣相思	*Acacia confusa*	130	12	5	FELL	FELL
CT585	3801	811679.431	820132.418	台灣相思	*Acacia confusa*	170	14	7	FELL	FELL
CT586	3801	811677.985	820131.842	台灣相思	*Acacia confusa*	120	14	5	FELL	FELL
CT587	3801	811678.203	820131.061	台灣相思	*Acacia confusa*	120	12	5	FELL	FELL
CT588	3801	811677.008	820131.609	台灣相思	*Acacia confusa*	170	14	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT589	3801	811672.651	820130.192	黃槿	*Hibiscus tiliaceus*	130	7	5	FELL	FELL
CT59	3801	811728.801	820111.344	台灣相思	*Acacia confusa*	150	9	3	FELL	FELL
CT590	3801	811669.397	820132.110	楝	*Melia azedarach*	220	11	8	FELL	FELL
CT591	3801	811669.850	820132.892	楝	*Melia azedarach*	130	10	6	FELL	FELL
CT592	3801	811670.361	820133.727	楝	*Melia azedarach*	210	11	9	FELL	FELL
CT593	3801	811676.391	820135.223	台灣相思	*Acacia confusa*	262	13	9	FELL	FELL
CT594	3801	811667.884	820146.255	楝	*Melia azedarach*	280	13	10	FELL	FELL
CT595	3801	811667.767	820147.457	楝	*Melia azedarach*	180	11	5	FELL	FELL
CT596	3801	811671.796	820143.142	台灣相思	*Acacia confusa*	301	13	12	FELL	FELL
CT597	3801	811674.187	820142.143	台灣相思	*Acacia confusa*	262	12	8	FELL	FELL
CT598	3801	811677.801	820140.586	台灣相思	*Acacia confusa*	206	11	7	FELL	FELL
CT599	3801	811680.470	820138.077	黃槿	*Hibiscus tiliaceus*	215	11	4	FELL	FELL
CT60	3801	811727.606	820112.655	台灣相思	*Acacia confusa*	170	9	5	FELL	FELL
CT600	3801	811681.389	820140.016	台灣相思	*Acacia confusa*	180	11	7	FELL	FELL
CT601	3801	811683.556	820136.642	台灣相思	*Acacia confusa*	143	10	6	FELL	FELL
CT602	3801	811681.498	820135.152	台灣相思	*Acacia confusa*	160	13	5	FELL	FELL
CT604	3801	811686.934	820134.588	楝	*Melia azedarach*	190	9	5	FELL	FELL
CT605	3801	811689.640	820132.743	台灣相思	*Acacia confusa*	100	5	4	FELL	FELL
CT606	3801	811687.072	820133.438	楝	*Melia azedarach*	190	10	9	FELL	FELL
CT607	3801	811687.530	820132.713	楝	*Melia azedarach*	220	11	6	FELL	FELL
CT608	3801	811685.586	820131.186	台灣相思	*Acacia confusa*	180	14	10	FELL	FELL
CT609	3801	811690.192	820125.902	台灣相思	*Acacia confusa*	130	5	5	FELL	FELL
CT61	3801	811728.869	820112.829	台灣相思	*Acacia confusa*	120	8	5	FELL	FELL
CT610	3801	811692.627	820124.030	台灣相思	*Acacia confusa*	100	5	7	FELL	FELL
CT611	3801	811692.498	820123.154	台灣相思	*Acacia confusa*	110	10	7	FELL	FELL
CT612	3801	811693.533	820122.547	台灣相思	*Acacia confusa*	130	7	8	FELL	FELL
CT613	3801	811694.360	820118.888	羊蹄甲屬	*Bauhinia sp.*	140	6	6	FELL	FELL
CT614	3801	811695.590	820120.299	台灣相思	*Acacia confusa*	150	8	5	FELL	FELL
CT615	3801	811696.364	820119.534	台灣相思	*Acacia confusa*	190	8	7	FELL	FELL
CT616	3801	811697.005	820118.959	台灣相思	*Acacia confusa*	110	4	5	FELL	FELL
CT617	3801	811700.510	820121.409	台灣相思	*Acacia confusa*	130	5	6	FELL	FELL
CT618	3801	811698.305	820123.669	台灣相思	*Acacia confusa*	100	4	4	FELL	FELL
CT619	3801	811699.270	820125.260	台灣相思	*Acacia confusa*	310	9	12	FELL	FELL
CT62	3801	811732.446	820114.914	羊蹄甲屬	*Bauhinia sp.*	140	9	5	FELL	FELL
CT620	3801	811702.449	820118.659	台灣相思	*Acacia confusa*	130	7	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT621	3801	811703.179	820117.873	台灣相思	*Acacia confusa*	184	7	5	FELL	FELL
CT622	3801	811705.370	820115.206	台灣相思	*Acacia confusa*	140	10	6	FELL	FELL
CT623	3801	811706.322	820112.971	楝	*Melia azedarach*	140	7	4	FELL	FELL
CT624	3801	811706.909	820112.250	楝	*Melia azedarach*	220	11	7	FELL	FELL
CT625	3801	811704.968	820107.885	台灣相思	*Acacia confusa*	130	9	5	FELL	FELL
CT626	3801	811705.261	820107.528	台灣相思	*Acacia confusa*	120	9	6	FELL	FELL
CT627	3801	811710.856	820104.409	台灣相思	*Acacia confusa*	163	4	5	FELL	FELL
CT628	3801	811711.271	820103.560	台灣相思	*Acacia confusa*	110	8	5	FELL	FELL
CT629	3801	811709.677	820108.246	台灣相思	*Acacia confusa*	170	5	7	FELL	FELL
CT63	3801	811733.066	820116.783	羊蹄甲屬	*Bauhinia sp.*	140	7	7	FELL	FELL
CT630	3801	811712.284	820109.161	大葉相思	*Acacia mangium*	180	8	6	FELL	FELL
CT631	3801	811713.042	820107.669	台灣相思	*Acacia confusa*	110	7	5	FELL	FELL
CT632	3801	811715.233	820105.360	台灣相思	*Acacia confusa*	100	8	4	FELL	FELL
CT633	3801	811715.935	820105.649	楝	*Melia azedarach*	150	8	4	FELL	FELL
CT634	3801	811715.561	820104.807	台灣相思	*Acacia confusa*	170	9	6	FELL	FELL
CT635	3801	811716.143	820104.036	台灣相思	*Acacia confusa*	170	9	7	FELL	FELL
CT636	3801	811717.532	820104.049	楝	*Melia azedarach*	260	10	7	FELL	FELL
CT637	3801	811718.425	820104.110	黃花夾竹桃	*Thevetia peruviana*	110	7	4	FELL	FELL
CT638	3801	811720.435	820101.525	楝	*Melia azedarach*	230	8	6	FELL	FELL
CT639	3801	811719.456	820101.346	楝	*Melia azedarach*	160	8	7	FELL	FELL
CT64	3801	811732.053	820118.692	羊蹄甲屬	*Bauhinia sp.*	110	5	6	FELL	FELL
CT640	3801	811718.448	820099.422	台灣相思	*Acacia confusa*	120	8	4	FELL	FELL
CT641	3801	811719.755	820097.002	台灣相思	*Acacia confusa*	120	8	5	FELL	FELL
CT642	3801	811717.520	820094.261	台灣相思	*Acacia confusa*	120	10	7	FELL	FELL
CT643	3801	811712.542	820094.387	台灣相思	*Acacia confusa*	130	7	5	FELL	FELL
CT644	3801	811720.338	820089.959	台灣相思	*Acacia confusa*	170	12	9	FELL	FELL
CT645	3801	811722.459	820088.188	死樹	*Dead tree*	130	6	8	FELL	FELL
CT646	3801	811724.402	820088.717	台灣相思	*Acacia confusa*	198	8	9	FELL	FELL
CT647	3801	811724.451	820088.218	台灣相思	*Acacia confusa*	170	13	7	FELL	FELL
CT648	3801	811725.148	820084.660	台灣相思	*Acacia confusa*	240	13	8	FELL	FELL
CT649	3801	811726.185	820086.232	台灣相思	*Acacia confusa*	160	13	8	FELL	FELL
CT65	3801	811732.419	820119.146	羊蹄甲屬	*Bauhinia sp.*	120	7	5	FELL	FELL
CT650	3801	811725.889	820087.217	台灣相思	*Acacia confusa*	110	12	5	FELL	FELL
CT651	3801	811726.146	820088.611	台灣相思	*Acacia confusa*	120	10	8	FELL	FELL
CT652	3801	811727.545	820089.135	楝	*Melia azedarach*	250	10	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT653	3801	811723.448	820096.911	羊蹄甲屬	*Bauhinia sp.*	100	5	4	FELL	FELL
CT654	3801	811724.632	820095.491	羊蹄甲屬	*Bauhinia sp.*	120	6	5	FELL	FELL
CT655	3801	811722.894	820094.498	紅膠木	*Lophostemon confertus*	110	7	5	FELL	FELL
CT656	3801	811726.570	820086.829	台灣相思	*Acacia confusa*	160	13	7	FELL	FELL
CT657	3801	811729.221	820086.093	大葉相思	*Acacia mangium*	180	9	5	FELL	FELL
CT658	3801	811728.346	820084.776	台灣相思	*Acacia confusa*	140	13	6	FELL	FELL
CT659	3801	811727.822	820083.859	台灣相思	*Acacia confusa*	150	12	7	FELL	FELL
CT66	3801	811731.262	820119.343	羊蹄甲屬	*Bauhinia sp.*	150	8	5	FELL	FELL
CT660	3801	811729.841	820082.662	台灣相思	*Acacia confusa*	188	14	8	FELL	FELL
CT661	3801	811730.342	820081.042	台灣相思	*Acacia confusa*	140	12	6	FELL	FELL
CT662	3801	811732.060	820081.652	台灣相思	*Acacia confusa*	150	10	5	FELL	FELL
CT663	3801	811732.872	820080.443	台灣相思	*Acacia confusa*	130	8	5	FELL	FELL
CT664	3801	811732.623	820079.190	台灣相思	*Acacia confusa*	100	8	4	FELL	FELL
CT665	3801	811734.208	820078.169	台灣相思	*Acacia confusa*	110	8	5	FELL	FELL
CT666	3801	811737.094	820072.622	台灣相思	*Acacia confusa*	130	8	6	FELL	FELL
CT667	3801	811738.314	820070.083	台灣相思	*Acacia confusa*	140	8	5	FELL	FELL
CT668	3801	811736.370	820069.716	台灣相思	*Acacia confusa*	110	7	5	FELL	FELL
CT669	3801	811735.492	820070.903	羊蹄甲屬	*Bauhinia sp.*	100	6	4	FELL	FELL
CT67	3801	811730.398	820120.243	台灣相思	*Acacia confusa*	180	10	7	FELL	FELL
CT670	3801	811735.915	820071.012	台灣相思	*Acacia confusa*	160	7	6	FELL	FELL
CT671	3801	811735.009	820072.239	台灣相思	*Acacia confusa*	262	9	7	FELL	FELL
CT672	3801	811668.547	820088.977	大葉相思	*Acacia mangium*	340	10	9	FELL	FELL
CT673	3801	811666.354	820113.763	羊蹄甲屬	*Bauhinia sp.*	110	9	5	FELL	FELL
CT674	3801	811664.554	820113.198	羊蹄甲屬	*Bauhinia sp.*	140	10	5	FELL	FELL
CT675	3801	811660.285	820113.025	大葉相思	*Acacia mangium*	210	12	5	FELL	FELL
CT676	3801	811658.432	820113.350	台灣相思	*Acacia confusa*	200	11	6	FELL	FELL
CT677	3801	811658.418	820114.567	台灣相思	*Acacia confusa*	180	11	6	FELL	FELL
CT678	3801	811657.237	820114.638	台灣相思	*Acacia confusa*	120	9	5	FELL	FELL
CT679	3801	811656.321	820114.775	台灣相思	*Acacia confusa*	140	9	7	FELL	FELL
CT68	3801	811731.110	820120.534	台灣相思	*Acacia confusa*	160	8	7	FELL	FELL
CT680	3801	811657.034	820115.678	台灣相思	*Acacia confusa*	100	9	5	FELL	FELL
CT681	3801	811658.085	820115.423	台灣相思	*Acacia confusa*	140	10	4	FELL	FELL
CT682	3801	811658.810	820116.191	台灣相思	*Acacia confusa*	140	8	6	FELL	FELL
CT683	3801	811659.954	820116.000	台灣相思	*Acacia confusa*	160	8	6	FELL	FELL
CT684	3801	811660.536	820115.803	台灣相思	*Acacia confusa*	190	9	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT685	3801	811656.720	820116.574	台灣相思	*Acacia confusa*	230	10	6	FELL	FELL
CT686	3801	811657.067	820117.386	楝	*Melia azedarach*	220	11	5	FELL	FELL
CT688	3801	811656.994	820125.820	潺槁樹	*Litsea glutinosa*	100	6	4	FELL	FELL
CT689	3801	811655.204	820121.931	台灣相思	*Acacia confusa*	110	8	7	FELL	FELL
CT69	3801	811729.891	820120.859	台灣相思	*Acacia confusa*	170	8	7	FELL	FELL
CT690	3801	811654.325	820122.711	台灣相思	*Acacia confusa*	260	10	9	FELL	FELL
CT691	3801	811654.274	820122.080	台灣相思	*Acacia confusa*	180	8	7	FELL	FELL
CT692	3801	811652.982	820123.153	台灣相思	*Acacia confusa*	130	9	7	FELL	FELL
CT693	3801	811653.371	820124.291	台灣相思	*Acacia confusa*	130	8	5	FELL	FELL
CT694	3801	811652.325	820124.395	台灣相思	*Acacia confusa*	150	9	7	FELL	FELL
CT695	3801	811652.403	820125.156	台灣相思	*Acacia confusa*	130	10	4	FELL	FELL
CT696	3801	811651.370	820125.110	台灣相思	*Acacia confusa*	120	8	6	FELL	FELL
CT697	3801	811650.970	820126.683	羊蹄甲屬	*Bauhinia sp.*	120	5	4	FELL	FELL
CT698	3801	811652.013	820130.329	紅膠木	*Lophostemon confertus*	160	10	4	FELL	FELL
CT699	3801	811650.005	820131.666	台灣相思	*Acacia confusa*	190	8	7	FELL	FELL
CT70	3801	811728.118	820123.298	台灣相思	*Acacia confusa*	150	9	5	FELL	FELL
CT700	3801	811649.234	820132.527	台灣相思	*Acacia confusa*	180	10	7	FELL	FELL
CT701	3801	811648.433	820131.499	台灣相思	*Acacia confusa*	200	12	6	FELL	FELL
CT702	3801	811648.636	820132.490	台灣相思	*Acacia confusa*	110	8	4	FELL	FELL
CT703	3801	811647.245	820133.698	大葉相思	*Acacia mangium*	140	10	4	FELL	FELL
CT704	3801	811646.308	820133.284	楝	*Melia azedarach*	120	12	4	FELL	FELL
CT705	3801	811646.328	820134.522	楝	*Melia azedarach*	110	9	4	FELL	FELL
CT706	3801	811647.221	820134.985	楝	*Melia azedarach*	120	9	4	FELL	FELL
CT707	3801	811648.229	820135.608	楝	*Melia azedarach*	120	6	2	FELL	FELL
CT708	3801	811645.684	820135.196	楝	*Melia azedarach*	130	8	5	FELL	FELL
CT709	3801	811644.058	820137.438	耳果相思	*Acacia auriculiformis*	100	8	4	FELL	FELL
CT71	3801	811727.211	820124.000	台灣相思	*Acacia confusa*	160	7	6	FELL	FELL
CT710	3801	811641.396	820134.938	台灣相思	*Acacia confusa*	150	9	8	FELL	FELL
CT711	3801	811640.400	820134.843	台灣相思	*Acacia confusa*	100	10	4	FELL	FELL
CT712	3801	811640.380	820135.848	台灣相思	*Acacia confusa*	110	10	5	FELL	FELL
CT713	3801	811638.711	820136.869	台灣相思	*Acacia confusa*	191	10	8	FELL	FELL
CT714	3801	811637.918	820137.258	台灣相思	*Acacia confusa*	163	12	5	FELL	FELL
CT715	3801	811638.709	820136.154	台灣相思	*Acacia confusa*	130	9	5	FELL	FELL
CT716	3801	811639.280	820131.614	羊蹄甲屬	*Bauhinia sp.*	110	9	7	FELL	FELL
CT717	3801	811640.823	820129.758	楝	*Melia azedarach*	270	13	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT718	3801	811641.624	820129.984	羊蹄甲屬	*Bauhinia sp.*	120	8	6	FELL	FELL
CT719	3801	811641.649	820127.805	台灣相思	*Acacia confusa*	110	9	5	FELL	FELL
CT72	3801	811726.432	820124.609	大葉相思	*Acacia mangium*	270	12	6	FELL	FELL
CT720	3801	811641.983	820126.995	台灣相思	*Acacia confusa*	200	10	7	FELL	FELL
CT721	3801	811648.793	820121.870	台灣相思	*Acacia confusa*	160	12	9	FELL	FELL
CT722	3801	811647.629	820121.355	台灣相思	*Acacia confusa*	100	11	4	FELL	FELL
CT723	3801	811647.298	820120.607	台灣相思	*Acacia confusa*	140	13	5	FELL	FELL
CT724	3801	811649.231	820119.858	台灣相思	*Acacia confusa*	110	12	5	FELL	FELL
CT725	3801	811647.785	820119.434	台灣相思	*Acacia confusa*	100	10	5	FELL	FELL
CT726	3801	811646.231	820119.473	台灣相思	*Acacia confusa*	200	11	6	FELL	FELL
CT727	3801	811645.723	820121.032	台灣相思	*Acacia confusa*	150	10	7	FELL	FELL
CT728	3801	811642.169	820122.250	羊蹄甲屬	*Bauhinia sp.*	110	9	6	FELL	FELL
CT729	3801	811642.032	820125.191	台灣相思	*Acacia confusa*	170	10	8	FELL	FELL
CT73	3801	811726.139	820120.074	台灣相思	*Acacia confusa*	170	9	10	FELL	FELL
CT730	3801	811641.077	820125.497	台灣相思	*Acacia confusa*	170	11	9	FELL	FELL
CT731	3801	811638.493	820125.537	台灣相思	*Acacia confusa*	150	12	7	FELL	FELL
CT732	3801	811637.737	820125.192	羊蹄甲屬	*Bauhinia sp.*	120	8	4	FELL	FELL
CT733	3801	811637.863	820126.066	台灣相思	*Acacia confusa*	140	8	6	FELL	FELL
CT734	3801	811636.771	820125.851	台灣相思	*Acacia confusa*	170	11	5	FELL	FELL
CT735	3801	811637.912	820128.845	台灣相思	*Acacia confusa*	150	12	7	FELL	FELL
CT736	3801	811638.656	820129.217	台灣相思	*Acacia confusa*	100	12	3	FELL	FELL
CT737	3801	811637.191	820130.323	台灣相思	*Acacia confusa*	110	11	3	FELL	FELL
CT738	3801	811636.316	820129.878	台灣相思	*Acacia confusa*	110	11	2	FELL	FELL
CT739	3801	811635.090	820131.588	台灣相思	*Acacia confusa*	170	12	6	FELL	FELL
CT74	3801	811725.411	820120.985	台灣相思	*Acacia confusa*	150	10	6	FELL	FELL
CT740	3801	811635.596	820133.466	楝	*Melia azedarach*	170	11	1	FELL	FELL
CT741	3801	811634.112	820132.415	台灣相思	*Acacia confusa*	170	15	5	FELL	FELL
CT742	3801	811633.419	820132.746	台灣相思	*Acacia confusa*	110	9	4	FELL	FELL
CT743	3801	811631.555	820131.863	大葉相思	*Acacia mangium*	160	13	4	FELL	FELL
CT744	3801	811631.484	820130.848	大葉相思	*Acacia mangium*	170	15	3	FELL	FELL
CT745	3801	811630.960	820132.217	大葉相思	*Acacia mangium*	130	15	4	FELL	FELL
CT746	3801	811627.839	820131.068	楝	*Melia azedarach*	270	15	9	FELL	FELL
CT747	3801	811627.941	820133.460	大葉相思	*Acacia mangium*	150	14	3	FELL	FELL
CT748	3801	811624.973	820132.750	大葉相思	*Acacia mangium*	240	14	5	FELL	FELL
CT749	3801	811624.892	820133.709	大葉相思	*Acacia mangium*	160	13	4	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT75	3801	811723.776	820122.316	台灣相思	*Acacia confusa*	110	10	5	FELL	FELL
CT750	3801	811625.911	820134.671	台灣相思	*Acacia confusa*	100	10	5	FELL	FELL
CT751	3801	811624.927	820135.487	台灣相思	*Acacia confusa*	160	12	5	FELL	FELL
CT752	3801	811623.359	820136.054	台灣相思	*Acacia confusa*	160	12	8	FELL	FELL
CT753	3801	811619.166	820136.604	台灣相思	*Acacia confusa*	140	11	6	FELL	FELL
CT754	3801	811619.192	820135.553	台灣相思	*Acacia confusa*	170	11	7	FELL	FELL
CT755	3801	811620.308	820133.625	大葉相思	*Acacia mangium*	190	9	6	FELL	FELL
CT756	3801	811617.352	820134.181	台灣相思	*Acacia confusa*	130	6	6	FELL	FELL
CT757	3801	811616.209	820134.397	台灣相思	*Acacia confusa*	170	13	5	FELL	FELL
CT758	3801	811615.358	820134.516	台灣相思	*Acacia confusa*	150	9	6	FELL	FELL
CT759	3801	811615.360	820135.360	台灣相思	*Acacia confusa*	150	10	7	FELL	FELL
CT76	3801	811721.819	820124.078	楝	*Melia azedarach*	220	11	10	FELL	FELL
CT760	3801	811616.474	820137.221	台灣相思	*Acacia confusa*	130	11	5	FELL	FELL
CT761	3801	811615.978	820138.200	台灣相思	*Acacia confusa*	160	12	5	FELL	FELL
CT762	3801	811615.183	820137.415	台灣相思	*Acacia confusa*	130	8	7	FELL	FELL
CT763	3801	811614.280	820138.663	台灣相思	*Acacia confusa*	190	10	8	FELL	FELL
CT764	3801	811612.488	820136.608	台灣相思	*Acacia confusa*	150	11	7	FELL	FELL
CT765	3801	811611.804	820128.114	銀合歡	*Leucaena leucocephala*	140	14	8	FELL	FELL
CT766	3801	811605.438	820134.692	銀合歡	*Leucaena leucocephala*	100	9	10	FELL	FELL
CT767	3801	811600.977	820136.418	銀合歡	*Leucaena leucocephala*	214	11	11	FELL	FELL
CT768	3801	811607.029	820137.200	台灣相思	*Acacia confusa*	170	11	6	FELL	FELL
CT769	3801	811601.200	820138.216	羊蹄甲屬	*Bauhinia sp.*	160	9	7	FELL	FELL
CT77	3801	811725.729	820127.252	大葉相思	*Acacia mangium*	120	7	4	FELL	FELL
CT770	3801	811600.374	820138.421	台灣相思	*Acacia confusa*	170	11	8	FELL	FELL
CT771	3801	811599.144	820138.377	台灣相思	*Acacia confusa*	210	9	8	FELL	FELL
CT772	3801	811597.809	820139.198	台灣相思	*Acacia confusa*	110	12	3	FELL	FELL
CT773	3801	811597.260	820138.444	台灣相思	*Acacia confusa*	140	9	10	FELL	FELL
CT774	3801	811597.287	820139.165	台灣相思	*Acacia confusa*	160	8	4	FELL	FELL
CT775	3801	811595.962	820139.020	台灣相思	*Acacia confusa*	120	7	3	FELL	FELL
CT776	3801	811593.928	820138.370	銀合歡	*Leucaena leucocephala*	100	12	4	FELL	FELL
CT777	3801	811594.215	820138.075	台灣相思	*Acacia confusa*	130	7	7	FELL	FELL
CT778	3801	811593.166	820139.137	台灣相思	*Acacia confusa*	130	6	4	FELL	FELL
CT779	3801	811591.717	820133.980	羊蹄甲屬	*Bauhinia sp.*	140	8	2	FELL	FELL
CT78	3801	811724.421	820128.780	大葉相思	*Acacia mangium*	180	10	5	FELL	FELL
CT780	3801	811589.094	820133.741	台灣相思	*Acacia confusa*	100	6	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT781	3801	811588.415	820134.141	台灣相思	*Acacia confusa*	110	10	7	FELL	FELL
CT782	3801	811588.561	820134.753	台灣相思	*Acacia confusa*	130	9	4	FELL	FELL
CT783	3801	811588.879	820136.717	銀合歡	*Leucaena leucocephala*	100	12	4	FELL	FELL
CT784	3801	811586.948	820136.122	台灣相思	*Acacia confusa*	120	10	5	FELL	FELL
CT785	3801	811587.466	820133.550	台灣相思	*Acacia confusa*	120	9	7	FELL	FELL
CT786	3801	811585.906	820133.493	台灣相思	*Acacia confusa*	120	12	5	FELL	FELL
CT787	3801	811584.819	820133.217	台灣相思	*Acacia confusa*	100	9	6	FELL	FELL
CT788	3801	811583.845	820133.243	台灣相思	*Acacia confusa*	120	12	4	FELL	FELL
CT789	3801	811582.540	820133.145	台灣相思	*Acacia confusa*	130	13	5	FELL	FELL
CT79	3801	811724.688	820129.666	大葉相思	*Acacia mangium*	210	8	5	FELL	FELL
CT790	3801	811581.815	820133.942	楝	*Melia azedarach*	130	13	5	FELL	FELL
CT791	3801	811581.298	820133.189	台灣相思	*Acacia confusa*	120	13	4	FELL	FELL
CT792	3801	811578.941	820135.776	羊蹄甲屬	*Bauhinia sp.*	100	10	3	FELL	FELL
CT793	3801	811578.058	820130.990	銀合歡	*Leucaena leucocephala*	100	13	5	FELL	FELL
CT794	3801	811576.009	820133.651	銀合歡	*Leucaena leucocephala*	111	13	3	FELL	FELL
CT795	3801	811575.216	820134.153	銀合歡	*Leucaena leucocephala*	140	13	7	FELL	FELL
CT796	3801	811577.485	820135.113	銀合歡	*Leucaena leucocephala*	120	7	8	FELL	FELL
CT797	3801	811576.206	820134.814	銀合歡	*Leucaena leucocephala*	120	9	9	FELL	FELL
CT798	3801	811571.463	820135.500	銀合歡	*Leucaena leucocephala*	100	9	5	FELL	FELL
CT799	3801	811570.756	820128.819	銀合歡	*Leucaena leucocephala*	110	13	3	FELL	FELL
CT80	3801	811724.289	820130.573	大葉相思	*Acacia mangium*	110	5	3	FELL	FELL
CT800	3801	811567.750	820130.213	銀合歡	*Leucaena leucocephala*	110	7	10	FELL	FELL
CT801	3801	811562.869	820130.496	銀合歡	*Leucaena leucocephala*	110	9	5	FELL	FELL
CT802	3801	811561.617	820130.104	銀合歡	*Leucaena leucocephala*	190	13	6	FELL	FELL
CT803	3801	811557.283	820130.588	銀合歡	*Leucaena leucocephala*	120	10	3	FELL	FELL
CT804	3801	811554.902	820133.605	銀合歡	*Leucaena leucocephala*	240	14	8	FELL	FELL
CT805	3801	811555.149	820137.178	銀合歡	*Leucaena leucocephala*	130	11	5	FELL	FELL
CT806	3801	811559.949	820139.787	銀合歡	*Leucaena leucocephala*	100	9	7	FELL	FELL
CT807	3801	811566.206	820137.497	銀合歡	*Leucaena leucocephala*	120	9	9	FELL	FELL
CT808	3801	811550.692	820140.926	銀合歡	*Leucaena leucocephala*	230	15	13	FELL	FELL
CT809	3801	811546.582	820140.800	銀合歡	*Leucaena leucocephala*	160	14	5	FELL	FELL
CT81	3801	811722.544	820132.500	大葉相思	*Acacia mangium*	210	10	5	FELL	FELL
CT810	3801	811546.590	820144.611	銀合歡	*Leucaena leucocephala*	100	9	2	FELL	FELL
CT811	3801	811544.960	820145.644	羊蹄甲屬	*Bauhinia sp.*	110	6	4	FELL	FELL
CT812	3801	811551.197	820149.059	銀合歡	*Leucaena leucocephala*	120	13	4	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT813	3801	811562.402	820145.653	銀合歡	*Leucaena leucocephala*	240	14	12	FELL	FELL
CT814	3801	811561.741	820144.121	銀合歡	*Leucaena leucocephala*	130	9	10	FELL	FELL
CT815	3801	811562.284	820142.342	黃花夾竹桃	*Thevetia peruviana*	110	8	4	FELL	FELL
CT816	3801	811564.294	820147.487	台灣相思	*Acacia confusa*	170	11	9	FELL	FELL
CT817	3801	811563.617	820147.668	台灣相思	*Acacia confusa*	160	12	8	FELL	FELL
CT818	3801	811564.151	820148.929	台灣相思	*Acacia confusa*	150	10	5	FELL	FELL
CT819	3801	811564.361	820149.574	台灣相思	*Acacia confusa*	170	10	6	FELL	FELL
CT82	3801	811721.594	820131.589	台灣相思	*Acacia confusa*	250	12	8	FELL	FELL
CT820	3801	811565.021	820150.461	楝	*Melia azedarach*	100	9	5	FELL	FELL
CT821	3801	811569.155	820152.269	羊蹄甲屬	*Bauhinia sp.*	350	8	6	FELL	FELL
CT822	3801	811573.060	820153.799	台灣相思	*Acacia confusa*	100	5	3	FELL	FELL
CT823	3801	811571.472	820151.374	羊蹄甲屬	*Bauhinia sp.*	110	9	4	FELL	FELL
CT824	3801	811574.713	820148.659	黃花夾竹桃	*Thevetia peruviana*	100	5	3	FELL	FELL
CT825	3801	811576.045	820146.801	大葉相思	*Acacia mangium*	170	9	4	FELL	FELL
CT826	3801	811572.201	820145.635	大葉相思	*Acacia mangium*	130	13	3	FELL	FELL
CT827	3801	811569.832	820145.748	大葉相思	*Acacia mangium*	240	15	5	FELL	FELL
CT828	3801	811567.519	820144.873	銀合歡	*Leucaena leucocephala*	160	13	11	FELL	FELL
CT829	3801	811565.683	820143.266	台灣相思	*Acacia confusa*	130	10	5	FELL	FELL
CT83	3801	811719.933	820136.186	銀合歡	*Leucaena leucocephala*	120	8	7	FELL	FELL
CT830	3801	811567.407	820142.123	台灣相思	*Acacia confusa*	262	14	8	FELL	FELL
CT831	3801	811568.429	820142.307	台灣相思	*Acacia confusa*	100	8	3	FELL	FELL
CT832	3801	811568.567	820140.845	台灣相思	*Acacia confusa*	200	12	5	FELL	FELL
CT833	3801	811565.694	820138.207	銀合歡	*Leucaena leucocephala*	110	9	9	FELL	FELL
CT834	3801	811566.979	820136.897	銀合歡	*Leucaena leucocephala*	130	8	9	FELL	FELL
CT835	3801	811569.853	820137.673	銀合歡	*Leucaena leucocephala*	100	10	6	FELL	FELL
CT836	3801	811570.161	820142.657	銀合歡	*Leucaena leucocephala*	130	13	6	FELL	FELL
CT837	3801	811572.243	820144.089	銀合歡	*Leucaena leucocephala*	210	15	6	FELL	FELL
CT838	3801	811574.635	820140.154	銀合歡	*Leucaena leucocephala*	130	15	5	FELL	FELL
CT839	3801	811576.650	820137.984	銀合歡	*Leucaena leucocephala*	130	7	3	FELL	FELL
CT84	3801	811719.219	820136.163	大葉相思	*Acacia mangium*	320	8	6	FELL	FELL
CT840	3801	811577.628	820138.723	銀合歡	*Leucaena leucocephala*	190	9	3	FELL	FELL
CT841	3801	811578.316	820142.223	銀合歡	*Leucaena leucocephala*	150	13	4	FELL	FELL
CT842	3801	811579.737	820141.507	銀合歡	*Leucaena leucocephala*	140	11	4	FELL	FELL
CT843	3801	811580.667	820139.394	羊蹄甲屬	*Bauhinia sp.*	130	9	6	FELL	FELL
CT844	3801	811581.310	820138.926	羊蹄甲屬	*Bauhinia sp.*	120	10	4	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT845	3801	811584.404	820138.480	楝	*Melia azedarach*	160	11	4	FELL	FELL
CT846	3801	811585.268	820137.673	台灣相思	*Acacia confusa*	150	11	6	FELL	FELL
CT847	3801	811586.029	820137.552	台灣相思	*Acacia confusa*	200	11	5	FELL	FELL
CT848	3801	811587.422	820139.790	大葉相思	*Acacia mangium*	180	12	5	FELL	FELL
CT849	3801	811589.924	820140.332	大葉相思	*Acacia mangium*	170	14	5	FELL	FELL
CT85	3801	811718.831	820137.027	大葉相思	*Acacia mangium*	200	11	5	FELL	FELL
CT850	3801	811591.556	820144.270	死樹	*Dead tree*	110	7	3	FELL	FELL
CT851	3801	811589.685	820144.051	大葉相思	*Acacia mangium*	110	8	4	FELL	FELL
CT852	3801	811588.829	820144.002	大葉相思	*Acacia mangium*	120	9	4	FELL	FELL
CT853	3801	811587.225	820143.919	羊蹄甲屬	*Bauhinia sp.*	100	8	5	FELL	FELL
CT854	3801	811585.540	820145.185	羊蹄甲屬	*Bauhinia sp.*	120	9	5	FELL	FELL
CT855	3801	811584.517	820145.257	台灣相思	*Acacia confusa*	130	9	4	FELL	FELL
CT857	3801	811580.058	820144.562	楝	*Melia azedarach*	240	15	6	FELL	FELL
CT858	3801	811580.584	820145.353	大葉相思	*Acacia mangium*	150	10	4	FELL	FELL
CT859	3801	811574.848	820144.564	紅膠木	*Lophostemon confertus*	190	12	4	FELL	FELL
CT86	3801	811718.356	820137.511	大葉相思	*Acacia mangium*	100	7	1	FELL	FELL
CT860	3801	811577.483	820146.380	大葉相思	*Acacia mangium*	160	10	4	FELL	FELL
CT861	3801	811580.149	820149.877	楝	*Melia azedarach*	140	9	8	FELL	FELL
CT862	3801	811581.324	820150.528	楝	*Melia azedarach*	160	11	5	FELL	FELL
CT863	3801	811584.560	820148.364	黃花夾竹桃	*Thevetia peruviana*	227	5	6	FELL	FELL
CT864	3801	811585.547	820145.824	台灣相思	*Acacia confusa*	260	15	10	FELL	FELL
CT865	3801	811587.979	820145.608	台灣相思	*Acacia confusa*	120	11	4	FELL	FELL
CT866	3801	811588.179	820146.363	台灣相思	*Acacia confusa*	100	8	4	FELL	FELL
CT867	3801	811588.976	820145.743	台灣相思	*Acacia confusa*	150	10	5	FELL	FELL
CT868	3801	811589.724	820145.959	台灣相思	*Acacia confusa*	130	11	9	FELL	FELL
CT869	3801	811591.414	820146.139	台灣相思	*Acacia confusa*	170	12	8	FELL	FELL
CT87	3801	811717.268	820134.654	台灣相思	*Acacia confusa*	140	11	7	FELL	FELL
CT870	3801	811594.954	820145.213	台灣相思	*Acacia confusa*	130	6	3	FELL	FELL
CT871	3801	811598.786	820143.495	台灣相思	*Acacia confusa*	156	8	5	FELL	FELL
CT872	3801	811601.688	820142.760	大葉相思	*Acacia mangium*	110	9	4	FELL	FELL
CT873	3801	811595.781	820140.705	銀合歡	*Leucaena leucocephala*	120	11	4	FELL	FELL
CT874	3801	811605.070	820141.771	大葉相思	*Acacia mangium*	310	14	8	FELL	FELL
CT875	3801	811607.701	820143.001	台灣相思	*Acacia confusa*	130	10	8	FELL	FELL
CT876	3801	811606.565	820144.331	台灣相思	*Acacia confusa*	100	7	7	FELL	FELL
CT877	3801	811607.277	820144.851	台灣相思	*Acacia confusa*	150	11	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT878	3801	811608.072	820146.824	楝	*Melia azedarach*	160	12	4	FELL	FELL
CT879	3801	811609.273	820144.867	台灣相思	*Acacia confusa*	180	11	5	FELL	FELL
CT88	3801	811716.411	820138.704	大葉相思	*Acacia mangium*	110	5	6	FELL	FELL
CT880	3801	811609.509	820143.208	台灣相思	*Acacia confusa*	160	12	4	FELL	FELL
CT881	3801	811615.677	820142.284	大葉相思	*Acacia mangium*	180	12	5	FELL	FELL
CT882	3801	811617.651	820141.156	死樹	*Dead tree*	340	10	8	FELL	FELL
CT883	3801	811623.063	820139.727	台灣相思	*Acacia confusa*	100	12	5	FELL	FELL
CT884	3801	811623.527	820141.084	大葉相思	*Acacia mangium*	200	15	5	FELL	FELL
CT885	3801	811628.092	820137.432	台灣相思	*Acacia confusa*	130	13	5	FELL	FELL
CT886	3801	811628.826	820137.058	台灣相思	*Acacia confusa*	130	13	6	FELL	FELL
CT887	3801	811631.684	820141.243	羊蹄甲屬	*Bauhinia sp.*	110	5	5	FELL	FELL
CT888	3801	811634.432	820142.740	台灣相思	*Acacia confusa*	160	9	6	FELL	FELL
CT889	3801	811635.834	820143.492	台灣相思	*Acacia confusa*	120	7	4	FELL	FELL
CT89	3801	811715.371	820140.085	大葉相思	*Acacia mangium*	190	12	5	FELL	FELL
CT890	3801	811634.916	820143.892	台灣相思	*Acacia confusa*	140	7	6	FELL	FELL
CT891	3801	811634.225	820144.356	台灣相思	*Acacia confusa*	160	8	5	FELL	FELL
CT892	3801	811633.245	820144.855	台灣相思	*Acacia confusa*	110	8	3	FELL	FELL
CT893	3801	811633.575	820143.683	台灣相思	*Acacia confusa*	120	9	4	FELL	FELL
CT894	3801	811629.873	820143.990	大葉相思	*Acacia mangium*	140	9	4	FELL	FELL
CT895	3801	811629.602	820141.735	楝	*Melia azedarach*	230	10	7	FELL	FELL
CT896	3801	811626.640	820143.059	台灣相思	*Acacia confusa*	160	10	7	FELL	FELL
CT897	3801	811625.725	820143.760	台灣相思	*Acacia confusa*	140	9	6	FELL	FELL
CT898	3801	811624.816	820143.764	台灣相思	*Acacia confusa*	130	12	5	FELL	FELL
CT899	3801	811622.496	820144.157	台灣相思	*Acacia confusa*	120	11	4	FELL	FELL
CT90	3801	811715.871	820141.038	銀合歡	*Leucaena leucocephala*	156	9	7	FELL	FELL
CT900	3801	811621.995	820144.111	台灣相思	*Acacia confusa*	130	11	6	FELL	FELL
CT901	3801	811623.874	820148.391	羊蹄甲屬	*Bauhinia sp.*	190	7	5	FELL	FELL
CT902	3801	811616.806	820148.572	台灣相思	*Acacia confusa*	180	8	5	FELL	FELL
CT903	3801	811615.634	820146.515	台灣相思	*Acacia confusa*	150	8	4	FELL	FELL
CT904	3801	811616.003	820146.226	台灣相思	*Acacia confusa*	120	7	3	FELL	FELL
CT905	3801	811617.460	820144.787	台灣相思	*Acacia confusa*	110	8	4	FELL	FELL
CT906	3801	811615.943	820145.358	台灣相思	*Acacia confusa*	110	8	3	FELL	FELL
CT907	3801	811614.500	820145.765	台灣相思	*Acacia confusa*	150	8	5	FELL	FELL
CT908	3801	811613.465	820148.156	台灣相思	*Acacia confusa*	231	8	5	FELL	FELL
CT909	3801	811605.529	820149.520	台灣相思	*Acacia confusa*	170	7	4	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT91	3801	811714.961	820141.592	楝	*Melia azedarach*	120	11	4	FELL	FELL
CT910	3801	811604.252	820149.564	台灣相思	*Acacia confusa*	140	8	5	FELL	FELL
CT911	3801	811603.428	820150.140	台灣相思	*Acacia confusa*	120	6	5	FELL	FELL
CT912	3801	811604.253	820150.610	台灣相思	*Acacia confusa*	170	7	3	FELL	FELL
CT913	3801	811601.190	820147.756	大葉相思	*Acacia mangium*	150	7	3	FELL	FELL
CT914	3801	811600.852	820149.490	羊蹄甲屬	*Bauhinia sp.*	100	5	4	FELL	FELL
CT915	3801	811594.236	820151.876	楝	*Melia azedarach*	190	7	5	FELL	FELL
CT916	3801	811593.879	820152.722	楝	*Melia azedarach*	140	7	4	FELL	FELL
CT917	3801	811670.016	820072.115	羊蹄甲屬	*Bauhinia sp.*	120	7	4	FELL	FELL
CT918	3801	811667.265	820071.504	大葉相思	*Acacia mangium*	180	10	3	FELL	FELL
CT919	3801	811666.338	820069.213	黃槿	*Hibiscus tiliaceus*	170	10	7	FELL	FELL
CT92	3801	811716.807	820139.580	大葉相思	*Acacia mangium*	110	7	6	FELL	FELL
CT920	3801	811665.058	820069.603	黃花夾竹桃	*Thevetia peruviana*	110	8	6	FELL	FELL
CT921	3801	811664.677	820072.149	台灣相思	*Acacia confusa*	210	11	5	FELL	FELL
CT922	3801	811666.505	820075.134	台灣相思	*Acacia confusa*	140	10	4	FELL	FELL
CT923	3801	811665.474	820076.628	台灣相思	*Acacia confusa*	210	10	6	FELL	FELL
CT924	3801	811663.803	820074.288	楝	*Melia azedarach*	280	12	5	FELL	FELL
CT925	3801	811662.143	820074.568	楝	*Melia azedarach*	240	12	3	FELL	FELL
CT926	3801	811661.820	820076.670	台灣相思	*Acacia confusa*	180	8	7	FELL	FELL
CT927	3801	811661.633	820072.276	台灣相思	*Acacia confusa*	100	7	4	FELL	FELL
CT928	3801	811659.005	820073.211	台灣相思	*Acacia confusa*	120	8	4	FELL	FELL
CT929	3801	811656.636	820075.849	台灣相思	*Acacia confusa*	100	5	3	FELL	FELL
CT93	3801	811713.309	820143.632	銀合歡	*Leucaena leucocephala*	218	9	15	FELL	FELL
CT930	3801	811658.430	820076.247	台灣相思	*Acacia confusa*	120	8	4	FELL	FELL
CT931	3801	811658.357	820077.197	大葉相思	*Acacia mangium*	290	12	6	FELL	FELL
CT933	3801	811657.583	820077.756	台灣相思	*Acacia confusa*	180	12	3	FELL	FELL
CT934	3801	811657.506	820078.760	大葉相思	*Acacia mangium*	230	11	4	FELL	FELL
CT935	3801	811656.423	820079.238	大葉相思	*Acacia mangium*	140	11	4	FELL	FELL
CT937	3801	811656.524	820077.007	台灣相思	*Acacia confusa*	130	8	4	FELL	FELL
CT938	3801	811655.646	820079.505	大葉相思	*Acacia mangium*	240	11	4	FELL	FELL
CT939	3801	811654.826	820077.818	台灣相思	*Acacia confusa*	100	8	5	FELL	FELL
CT94	3801	811713.024	820131.351	台灣相思	*Acacia confusa*	140	10	9	FELL	FELL
CT940	3801	811653.505	820081.248	紅膠木	*Lophostemon confertus*	100	15	4	FELL	FELL
CT941	3801	811654.776	820076.723	台灣相思	*Acacia confusa*	130	7	7	FELL	FELL
CT942	3801	811653.900	820077.304	台灣相思	*Acacia confusa*	280	11	7	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT943	3801	811650.929	820079.337	羊蹄甲屬	*Bauhinia sp.*	120	6	5	FELL	FELL
CT944	3801	811648.167	820080.445	羊蹄甲屬	*Bauhinia sp.*	110	7	5	FELL	FELL
CT945	3801	811647.472	820080.151	羊蹄甲屬	*Bauhinia sp.*	100	8	7	FELL	FELL
CT946	3801	811647.460	820080.816	羊蹄甲屬	*Bauhinia sp.*	150	7	7	FELL	FELL
CT947	3801	811646.663	820080.322	羊蹄甲屬	*Bauhinia sp.*	120	10	5	FELL	FELL
CT948	3801	811644.172	820079.271	楝	*Melia azedarach*	390	11	9	FELL	FELL
CT949	3801	811643.895	820081.576	台灣相思	*Acacia confusa*	205	9	8	FELL	FELL
CT95	3801	811712.308	820131.465	台灣相思	*Acacia confusa*	130	10	5	FELL	FELL
CT950	3801	811644.415	820081.982	台灣相思	*Acacia confusa*	120	7	7	FELL	FELL
CT951	3801	811644.374	820083.085	大葉相思	*Acacia mangium*	210	11	5	FELL	FELL
CT952	3801	811645.348	820084.083	大葉相思	*Acacia mangium*	205	7	5	FELL	FELL
CT953	3801	811642.829	820084.523	大葉相思	*Acacia mangium*	230	11	4	FELL	FELL
CT954	3801	811642.497	820083.054	台灣相思	*Acacia confusa*	120	8	4	FELL	FELL
CT955	3801	811641.830	820084.715	大葉相思	*Acacia mangium*	100	5	3	FELL	FELL
CT956	3801	811641.135	820083.922	大葉相思	*Acacia mangium*	290	12	5	FELL	FELL
CT957	3801	811641.451	820082.261	台灣相思	*Acacia confusa*	130	8	4	FELL	FELL
CT958	3801	811639.808	820083.258	台灣相思	*Acacia confusa*	150	10	4	FELL	FELL
CT959	3801	811640.123	820084.116	大葉相思	*Acacia mangium*	140	8	4	FELL	FELL
CT96	3801	811711.858	820130.574	台灣相思	*Acacia confusa*	140	9	5	FELL	FELL
CT960	3801	811639.974	820088.710	大葉相思	*Acacia mangium*	300	11	6	FELL	FELL
CT961	3801	811637.927	820085.962	紅膠木	*Lophostemon confertus*	100	8	5	FELL	FELL
CT962	3801	811635.834	820087.092	紅膠木	*Lophostemon confertus*	100	8	5	FELL	FELL
CT963	3801	811636.340	820084.950	羊蹄甲屬	*Bauhinia sp.*	100	8	3	FELL	FELL
CT964	3801	811637.112	820082.146	紅膠木	*Lophostemon confertus*	120	6	5	FELL	FELL
CT965	3801	811631.954	820085.976	台灣相思	*Acacia confusa*	260	12	7	FELL	FELL
CT966	3801	811633.441	820086.855	台灣相思	*Acacia confusa*	120	9	4	FELL	FELL
CT967	3801	811631.858	820086.727	台灣相思	*Acacia confusa*	120	6	6	FELL	FELL
CT968	3801	811632.465	820087.105	台灣相思	*Acacia confusa*	160	11	4	FELL	FELL
CT969	3801	811630.829	820087.183	台灣相思	*Acacia confusa*	130	8	5	FELL	FELL
CT97	3801	811711.245	820131.195	台灣相思	*Acacia confusa*	170	10	7	FELL	FELL
CT970	3801	811631.393	820087.900	台灣相思	*Acacia confusa*	120	7	7	FELL	FELL
CT971	3801	811633.283	820088.061	台灣相思	*Acacia confusa*	110	6	5	FELL	FELL
CT972	3801	811635.631	820089.192	楝	*Melia azedarach*	240	12	5	FELL	FELL
CT973	3801	811629.298	820085.653	楝	*Melia azedarach*	220	12	7	FELL	FELL
CT974	3801	811623.906	820086.085	大葉相思	*Acacia mangium*	310	12	5	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
CT975	3801	811622.994	820086.361	大葉相思	*Acacia mangium*	140	11	3	FELL	FELL
CT976	3801	811623.550	820087.356	大葉相思	*Acacia mangium*	170	11	5	FELL	FELL
CT977	3801	811621.966	820087.134	死樹	*Dead tree*	170	12	3	FELL	FELL
CT978	3801	811623.281	820088.260	大葉相思	*Acacia mangium*	180	11	4	FELL	FELL
CT979	3801	811624.497	820088.077	大葉相思	*Acacia mangium*	280	12	8	FELL	FELL
CT98	3801	811710.313	820131.891	台灣相思	*Acacia confusa*	150	9	7	FELL	FELL
CT980	3801	811624.120	820089.260	大葉相思	*Acacia mangium*	100	7	5	FELL	FELL
CT981	3801	811625.260	820092.836	大葉相思	*Acacia mangium*	210	10	4	FELL	FELL
CT982	3801	811622.968	820092.013	紅膠木	*Lophostemon confertus*	100	6	4	FELL	FELL
CT983	3801	811622.077	820091.055	台灣相思	*Acacia confusa*	160	10	6	FELL	FELL
CT984	3801	811621.398	820090.268	台灣相思	*Acacia confusa*	100	10	5	FELL	FELL
CT985	3801	811621.163	820091.290	台灣相思	*Acacia confusa*	120	6	5	FELL	FELL
CT986	3801	811620.622	820090.790	台灣相思	*Acacia confusa*	110	10	5	FELL	FELL
CT987	3801	811619.796	820090.089	台灣相思	*Acacia confusa*	190	10	7	FELL	FELL
CT988	3801	811619.133	820087.566	大葉相思	*Acacia mangium*	230	12	6	FELL	FELL
CT989	3801	811618.346	820089.535	羊蹄甲屬	*Bauhinia sp.*	110	10	3	FELL	FELL
CT99	3801	811706.145	820136.848	楝	*Melia azedarach*	220	9	7	FELL	FELL
CT990	3801	811616.978	820087.816	紅膠木	*Lophostemon confertus*	110	8	3	FELL	FELL
CT991	3801	811617.107	820090.263	羊蹄甲屬	*Bauhinia sp.*	140	10	5	FELL	FELL
CT992	3801	811614.730	820091.061	大葉相思	*Acacia mangium*	210	11	3	FELL	FELL
CT993	3801	811614.324	820090.844	大葉相思	*Acacia mangium*	130	11	2	FELL	FELL
CT994	3801	811613.921	820091.427	大葉相思	*Acacia mangium*	210	9	4	FELL	FELL
CT995	3801	811613.384	820091.001	大葉相思	*Acacia mangium*	400	14	9	FELL	FELL
CT996	3801	811613.115	820088.535	大葉相思	*Acacia mangium*	410	13	6	FELL	FELL
CT997	3801	811611.615	820088.742	羊蹄甲屬	*Bauhinia sp.*	100	8	6	FELL	FELL
CT998	3801	811610.086	820091.235	羊蹄甲屬	*Bauhinia sp.*	110	7	5	FELL	FELL
CT999	3801	811608.617	820089.393	羊蹄甲屬	*Bauhinia sp.*	100	12	2	FELL	FELL
P252/CT305	3801	811786.397	819946.253	垂葉榕	*Ficus benjamina*	215	7	5	FELL	FELL
P252/CT306	3801	811785.442	819950.058	垂葉榕	*Ficus benjamina*	200	7	6	FELL	FELL
P252/CT307	3801	811784.457	819954.052	垂葉榕	*Ficus benjamina*	225	7	6	FELL	FELL
P252/CT308	3801	811783.426	819957.428	垂葉榕	*Ficus benjamina*	210	7	6	FELL	FELL
P252/CT309	3801	811782.225	819961.739	垂葉榕	*Ficus benjamina*	280	7	7	FELL	FELL
P252/CT310	3801	811779.809	819969.496	垂葉榕	*Ficus benjamina*	210	6	5	FELL	FELL
P252/CT311	3801	811778.480	819973.314	垂葉榕	*Ficus benjamina*	255	7	6	FELL	FELL
P252/CT312	3801	811777.481	819977.223	垂葉榕	*Ficus benjamina*	215	7	6	FELL	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
P252/CT313	3801	811776.405	819980.743	垂葉榕	*Ficus benjamina*	225	7	6	FELL	FELL
P252/CT314	3801	811770.989	819930.305	垂葉榕	*Ficus benjamina*	140	5	3	FELL	FELL
P252/CT315	3801	811769.878	819933.451	大葉相思	*Acacia mangium*	220	7	3	FELL	FELL
P252/CT316	3801	811757.330	819970.896	大葉相思	*Acacia mangium*	245	8	5	FELL	FELL
P252/CT506	3801	811736.868	820021.775	大葉相思	*Acacia mangium*	205	5	4	FELL	FELL
P252/CT507	3801	811728.866	820034.748	耳果相思	*Acacia auriculiformis*	160	5	4	FELL	FELL
P252/CT508	3801	811725.942	820039.012	大葉相思	*Acacia mangium*	255	7	5	FELL	FELL
P252/CT509	3801	811717.896	820049.460	大葉相思	*Acacia mangium*	160	6	4	FELL	FELL
P252/CT510	3801	811714.594	820053.262	大葉相思	*Acacia mangium*	220	6	5	FELL	FELL
P252/CT511	3801	811711.315	820056.891	耳果相思	*Acacia auriculiformis*	200	7	5	FELL	FELL
P252/CT512	3801	811704.103	820064.238	大葉相思	*Acacia mangium*	205	7	5	FELL	FELL
P252/CT513	3801	811699.979	820068.095	大葉相思	*Acacia mangium*	205	7	5	FELL	FELL
P252/CT514	3801	811692.594	820074.350	大葉相思	*Acacia mangium*	175	6	5	FELL	FELL
P252/CT515	3801	811688.504	820077.506	大葉相思	*Acacia mangium*	245	8	5	FELL	FELL
P252/CT544	3801	811674.863	820053.976	台灣相思	*Acacia confusa*	175	7	7	FELL	FELL
P252/CT545	3801	811675.324	820053.377	台灣相思	*Acacia confusa*	255	11	5	FELL	FELL
P252/CT546	3801	811676.786	820051.154	台灣相思	*Acacia confusa*	230	11	8	FELL	FELL
P252/CT547	3801	811674.578	820053.029	台灣相思	*Acacia confusa*	130	10	5	FELL	FELL
P252/CT548	3801	811676.225	820050.495	台灣相思	*Acacia confusa*	285	11	8	FELL	FELL
P252/CT549	3801	811677.397	820049.129	台灣相思	*Acacia confusa*	150	6	5	FELL	FELL
P252/CT550	3801	811676.920	820049.641	台灣相思	*Acacia confusa*	250	9	6	FELL	FELL
P252/CT551	3801	811678.441	820048.391	台灣相思	*Acacia confusa*	115	6	4	FELL	FELL
P252/CT552	3801	811678.364	820047.144	大葉相思	*Acacia mangium*	170	5	3	FELL	FELL
P252/CT553	3801	811681.041	820038.225	大葉相思	*Acacia mangium*	135	4	4	FELL	FELL
P252/CT554	3801	811678.721	820035.693	大葉相思	*Acacia mangium*	250	10	8	FELL	FELL
P252/CT555	3801	811677.782	820034.753	大葉相思	*Acacia mangium*	145	5	5	FELL	FELL
P252/CT556	3801	811677.084	820042.980	台灣相思	*Acacia confusa*	110	4	2	FELL	FELL
P252/CT558	3801	811674.373	820041.894	台灣相思	*Acacia confusa*	135	7	4	FELL	FELL
P282/CT2803	3801	811659.870	820029.129	台灣相思	*Acacia confusa*	210	11	4	FELL	FELL
P252/CT559	3801	811674.194	820039.949	台灣相思	*Acacia confusa*	190	7	5	FELL	FELL
P252/CT560	3801	811675.793	820041.152	洋紫荊	*Bauhinia x blakeana*	155	5	5	FELL	FELL
P282/CT2804	3801	811658.410	820029.157	台灣相思	*Acacia confusa*	205	5	4	FELL	FELL
P282/CT2805	3801	811657.118	820027.234	台灣相思	*Acacia confusa*	195	8	7	FELL	FELL
P282/CT2806	3801	811655.342	820027.159	台灣相思	*Acacia confusa*	280	9	7	FELL	FELL
P282/CT2807	3801	811657.049	820026.390	台灣相思	*Acacia confusa*	300	8	6	FELL	FELL

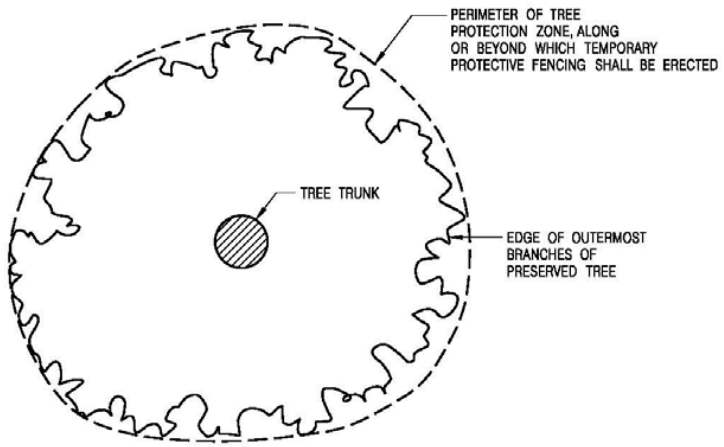
Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
P282/CT2808	3801	811658.352	820025.477	楝	*Melia azedarach*	305	8	5	FELL	FELL
T2817	3503	811633.646	820008.781	銀樺	*Grevillea robusta*	160	3	7	N/A	FELL
T2818	3503	811631.363	820008.663	銀樺	*Grevillea robusta*	135	3	7	N/A	FELL
T2819	3503	811629.539	820007.787	銀樺	*Grevillea robusta*	175	3	7	N/A	FELL
T2820	3503	811627.171	820007.147	銀樺	*Grevillea robusta*	125	3	7	N/A	FELL
T2821	3503	811625.252	820006.178	銀樺	*Grevillea robusta*	170	3	7	N/A	FELL
T2822	3503	811619.046	820004.472	銀樺	*Grevillea robusta*	190	3	7	N/A	FELL
T2823	3503	811616.539	820004.636	銀樺	*Grevillea robusta*	145	3	5	N/A	FELL
T2824	3503	811614.921	820003.336	銀樺	*Grevillea robusta*	120	2	5	N/A	FELL
T2825	3503	811610.414	820001.779	銀樺	*Grevillea robusta*	150	3	6	N/A	FELL
T2826	3503	811606.248	820001.058	銀樺	*Grevillea robusta*	120	2	6	N/A	FELL
T2827	3503	811608.124	820001.837	銀樺	*Grevillea robusta*	125	2	6	N/A	FELL
T2828	3503	811603.75	819999.498	銀樺	*Grevillea robusta*	110	3	5	N/A	FELL
T2829	3503	811601.142	819998.056	銀樺	*Grevillea robusta*	100	2	5	N/A	FELL
T2830	3503	811596.549	819997.142	銀樺	*Grevillea robusta*	150	3	6	N/A	FELL
T2831	3503	811595.146	819997.973	銀樺	*Grevillea robusta*	100	2	4	N/A	FELL
T2832	3503	811593.285	819995.994	銀樺	*Grevillea robusta*	130	2	3	N/A	FELL
T2833	3503	811591.649	819995.917	銀樺	*Grevillea robusta*	160	3	4	N/A	FELL
AT1	3802	811378.106	820243.758	細葉榕	*Ficus microcarpa*	700	6	7	N/A	FELL
AT2	3802	811401.388	820223.811	楝	*Melia azedarach*	300	4	9	N/A	FELL
AT3	3802	811372.285	820309.262	耳果相思	*Acacia auriculiformis*	170	4	7	N/A	FELL
AT4	3802	811449.757	820186.097	楝	*Melia azedarach*	300	5	9	N/A	FELL
AT5	3802	811466.876	820192.065	愛氏松	*Pinus elliottii*	130	3	6	N/A	FELL
AT6	3802	811527.327	820166.261	潺稿樹	*Litsea glutinosa*	15	5	8	N/A	FELL
ESW001	3802	811355.878	820280.068	番石榴	*Psidium guajava*	250	7	8	N/A	FELL
ESW002	3802	811358.763	820281.225	楝	*Melia azedarach*	170	8	8	N/A	FELL
ESW003	3802	811370.340	820266.583	楝	*Melia azedarach*	100	6	5	N/A	FELL
ESW004	3802	811358.218	820227.985	細葉榕	*Ficus microcarpa*	150	8	6	N/A	FELL
T002	3802	811399.004	820126.502	銀合歡	*Leucaena leucocephala*	160	4	8	N/A	FELL
T005	3802	811397.729	820125.602	銀合歡	*Leucaena leucocephala*	160	4	8	N/A	FELL
T011	3802	811412.267	820133.294	黃花夾竹桃	*Thevetia peruviana*	100	4	6	N/A	FELL

Tree ID	Contacts	Easting	Northing	Chinese Name	*Latin Name*	Tree Measurement			Recommendation in initial LVP (Oct 2020)	Recommendation (Nov 2022)
						[DBH(mm)	Crown Spread (m)	Height (m)		
T022	3802	811410.119	820128.730	銀合歡	*Leucaena leucocephala*	100	4	6	N/A	FELL
T030	3802	811419.596	820122.636	宮粉羊蹄甲	*Bauhinia variegata*	100	3	4	N/A	FELL
T031	3802	811418.214	820122.689	宮粉羊蹄甲	*Bauhinia variegata*	110	4	5	N/A	FELL

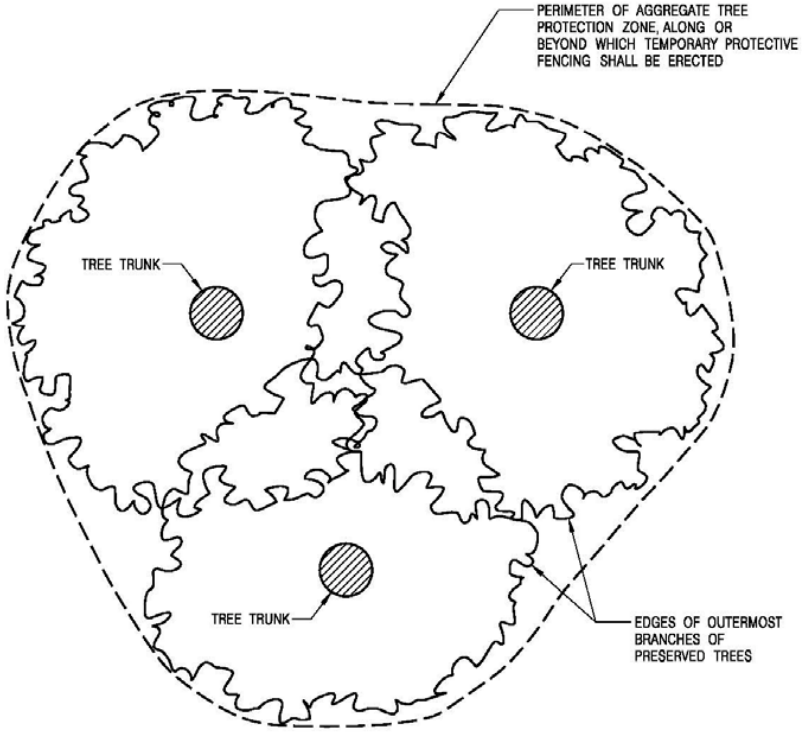
Total	**RETAIN**	**49**
	TRANSPLANT	**23**
	FELL	**2342**

ANNEX D

Generic Tree Protection Plan

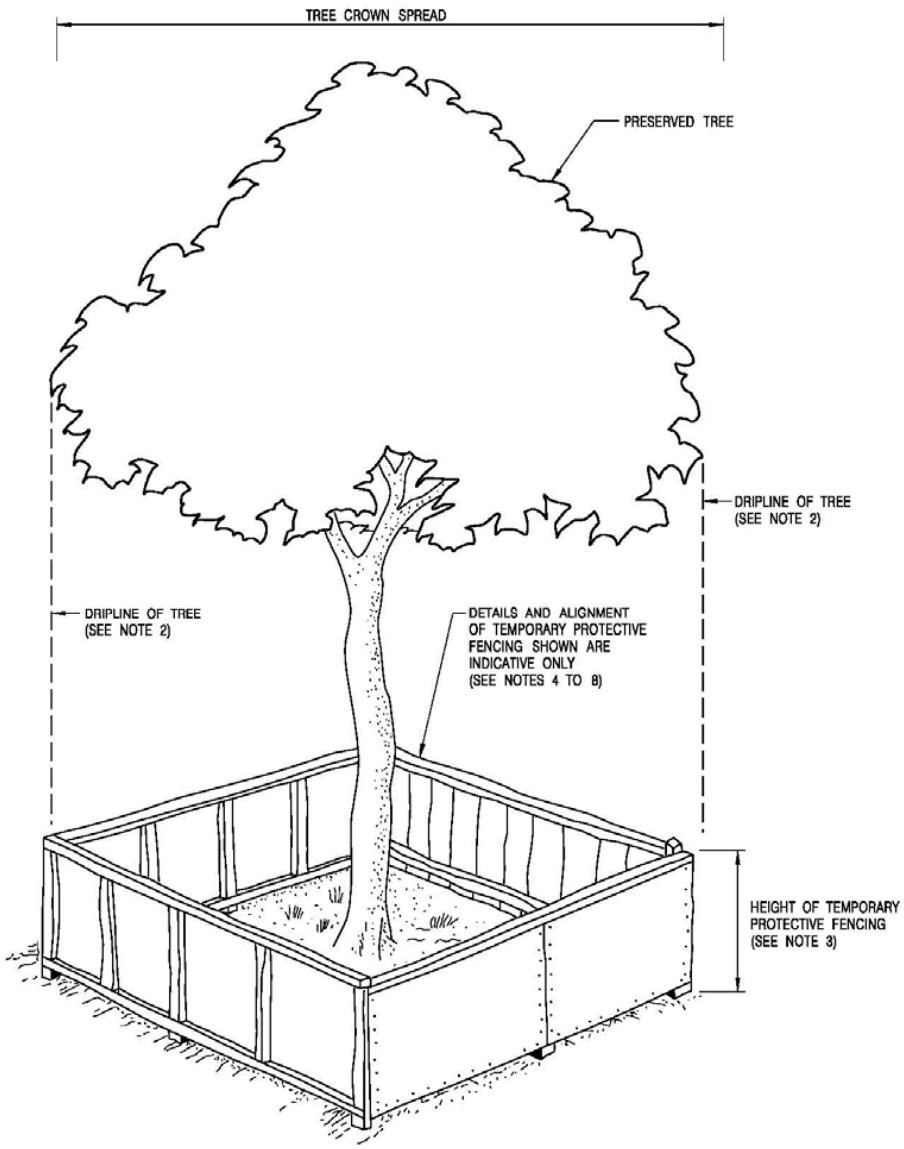


PLAN – INDIVIDUAL TREE
(DIAGRAMMATIC)



PLAN – GROUP OF TREES
(DIAGRAMMATIC)

TEMPORARY PROTECTIVE FENCING TO PRESERVED TREE	**DRAWING NO.** TP1 (SHEET 1 OF 4)

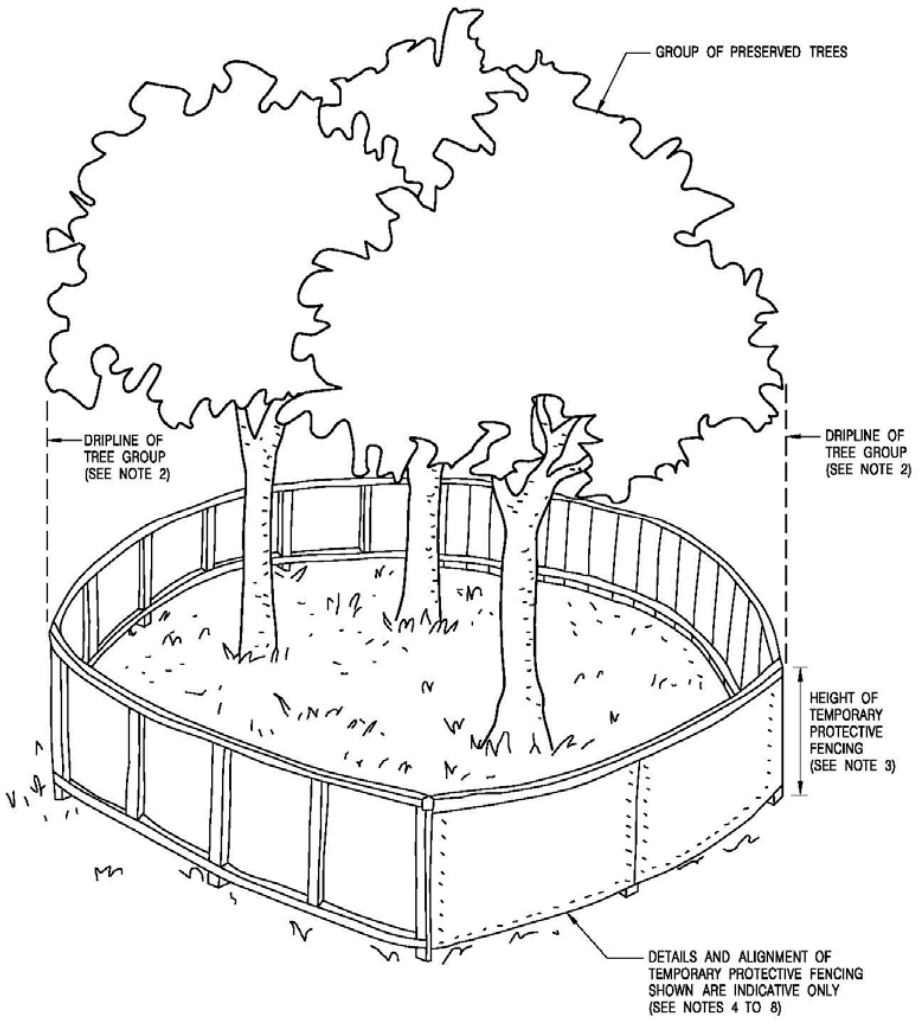


PERSPECTIVE – INDIVIDUAL TREE

(DIAGRAMMATIC)

TEMPORARY PROTECTIVE FENCING TO PRESERVED TREE

DRAWING NO.
TP1 (SHEET 2 OF 4)



PERSPECTIVE – GROUP OF TREES

(DIAGRAMMATIC)

TEMPORARY PROTECTIVE FENCING TO PRESERVED TREE	**DRAWING NO.** TP1 (SHEET 3 OF 4)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
2. DRIPLINE OF *TREE / TREE GROUP EXTENDS TO THE OUTERMOST BRANCHES OF THE *TREE / TREE GROUP, DEFINING THE PERIMETER OF THE *TREE PROTECTION ZONE / AGGREGATE TREE PROTECTION ZONE.
3. HEIGHT OF TEMPORARY PROTECTIVE FENCING SHALL BE 1500 MINIMUM, BUT THE REQUIRED HEIGHT SHALL BE DETERMINED BY THE *ARCHITECT / ENGINEER / SUPERVISING OFFICER WHEN APPROVING THE CONSTRUCTION DETAILS OF THE FENCING AS REFERRED TO IN NOTE 8.
4. TEMPORARY PROTECTIVE FENCING SHALL BE STRONG AND APPROPRIATE FOR RESISTING THE IMPACTS OF CONSTRUCTION ACTIVITIES ON THE SITE. IT SHALL BE MADE OF ROBUST MATERIALS AND SHALL COMPRISE A VERTICAL AND HORIZONTAL SCAFFOLDING FRAMEWORK, WELL BRACED AND SUPPORTING **CHAIN LINK FENCING / STEEL SHEET FENCING, OR OTHER FENCING AS APPROVED BY THE *ARCHITECT / ENGINEER / SUPERVISING OFFICER. ONLY IN EXCEPTIONAL CIRCUMSTANCES SHALL PLASTIC WEBBING BE CONSIDERED.
5. THE ALIGNMENT OF TEMPORARY PROTECTIVE FENCING CAN BE IN CIRCULAR, SQUARE, RECTANGULAR OR ANY OTHER SHAPE SO LONG AS THE FENCING INCLUDING ITS FOUNDATIONS DOES NOT ENCROACH INTO THE TREE PROTECTION ZONE.
6. A LOCKABLE GATE SHALL BE PROVIDED TO THE TEMPORARY PROTECTIVE FENCING TO ALLOW ENTRY FOR CARRYING OUT THE NECESSARY ARBORICULTURAL WORKS OR MAINTENANCE WORKS TO THE TREE OR ANY OTHER APPROVED WORKS WITHIN THE TREE PROTECTION ZONE.
7. WARNING NOTICE GUARDING AGAINST UNAUTHORISED OPERATIONS WITHIN FENCED AREA SHALL BE ERECTED ON THE TEMPORARY PROTECTIVE FENCING.
8. THE CONTRACTOR SHALL SUBMIT THE CONSTRUCTION DETAILS OF THE TEMPORARY PROTECTIVE FENCING TO THE *ARCHITECT / ENGINEER / SUPERVISING OFFICER FOR APPROVAL PRIOR TO ERECTION OF THE FENCING.

* DELETE WHICHEVER IS INAPPROPRIATE.

** DELETE WHICHEVER IS INAPPROPRIATE. STEEL SHEET FENCING SHALL BE USED IN CIRCUMSTANCES WHERE THE CONCENTRATION OF CONSTRUCTION ACTIVITY IS PARTICULARLY INTENSE OR THE PRESERVED TREE IS EITHER PARTICULARLY VALUABLE OR PARTICULARLY VULNERABLE.

TEMPORARY PROTECTIVE FENCING TO PRESERVED TREE	**DRAWING NO.** TP1 (SHEET 4 OF 4)

In addition to the general notes, which support the generic tree protection plans provided above, the responsible parties for the implementation and maintenance of these measures including their regular checking are also summarized below as per the requirements set out in the EM&A Manual.

Stage	Monitoring Task	Monitoring Report	Form of Approval	Frequency
Detailed Design	Checking of design works against the recommendations of the landscape and visual impact assessments within the EIA shall be undertaken during detailed design and tender stage, to ensure that they fulfil the intention of the mitigation measures. Any changes to the design, including design changes on site shall also be checked.	Report by AAHK/ PM confirming that the design conforms to requirements of EP.	Approved by Client	At the end of the detailed design phase
Construction	Checking of the contractor's operations during the construction period.	Report on Contractor's compliance, by ET	Counter signature of report by IEC	Weekly
Establishment Works	Checking of the planting works during the 12-month establishment period after completion of the construction works.	Report on Contractor's compliance, by ET	Counter signature of report by IEC	Every two months
Long Term Management (10 year)	Monitoring of the long-term management of the planting works in the period up to 10 years after completion of the construction works.	Report on compliance by ET or maintenance agency as appropriate	Counter signature of report by Management Agency	Annually

Source: Table 12-1 of Updated EM&A Manual

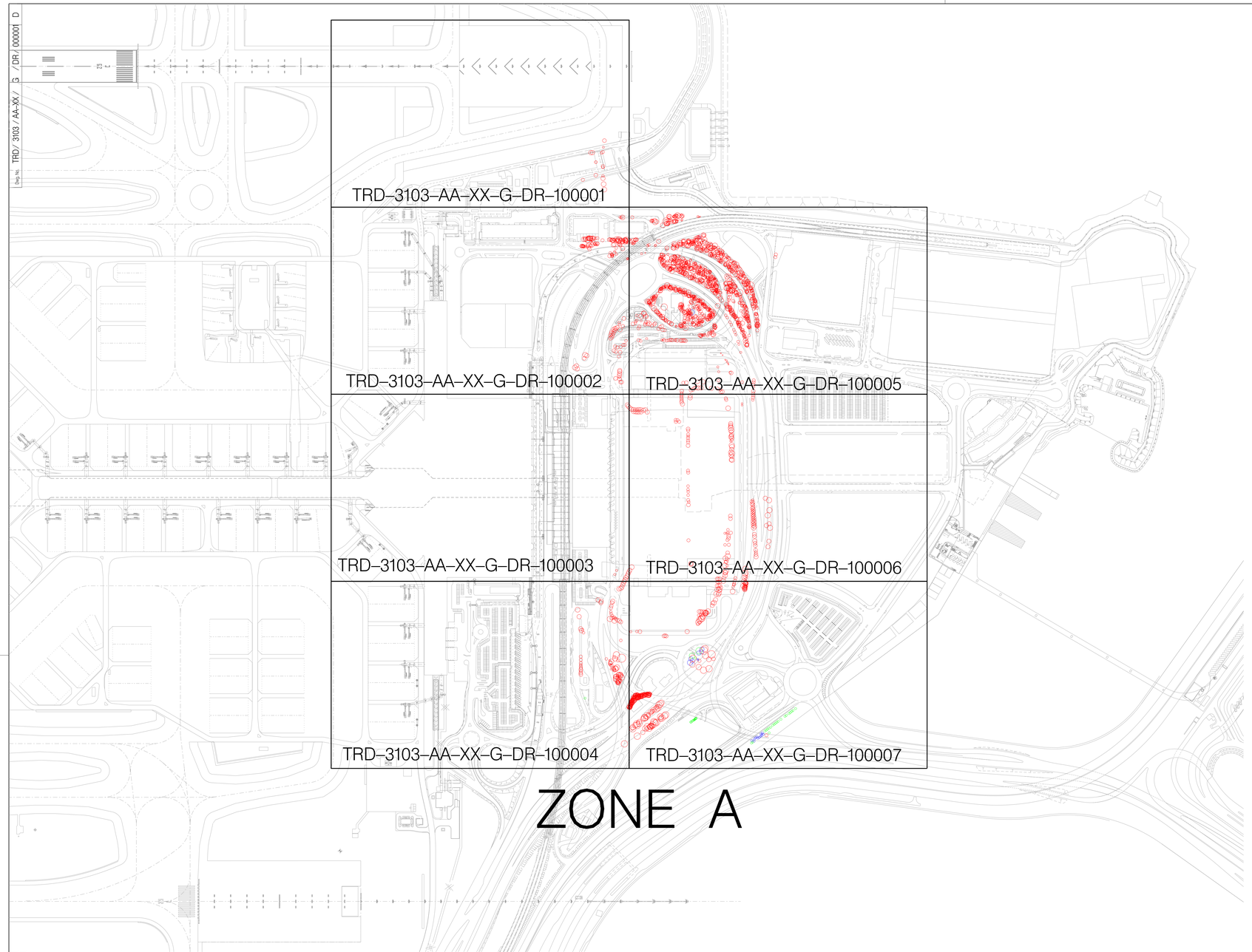
Landscape & Visual Mitigation Measure ID No.	Implementation Agency	Management Agency	Maintenance Agency
Construction Phase			
CM1 – CM10	Contractor	-	-
Operation Phase			
OM1, OM5, OM8, OM10, OM11	Design Engineer	AAHK	AAHK
OM2 – OM4	Design Engineer	Building Operator	Building Operator
OM6, OM7, OM9	Contractor	AAHK	AAHK

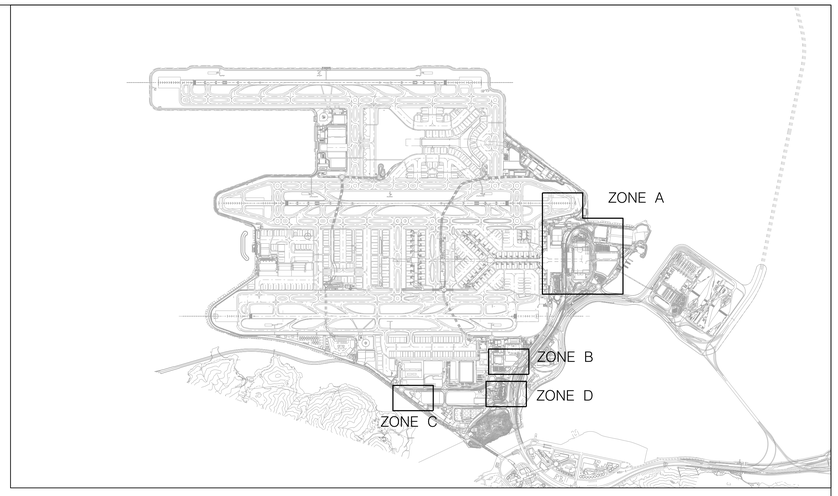
Source: Table 12-2 of Updated EM&A Manual

In accordance with the EM&A Manual, construction mitigation measure **CM8**, which states that: "All existing trees shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas" shall be implemented by the Contractor, and monitored by the ET on a weekly basis. The ET shall also be responsible for reporting on the Contractor's compliance, with the report to be counter signed by IEC.

ANNEX E

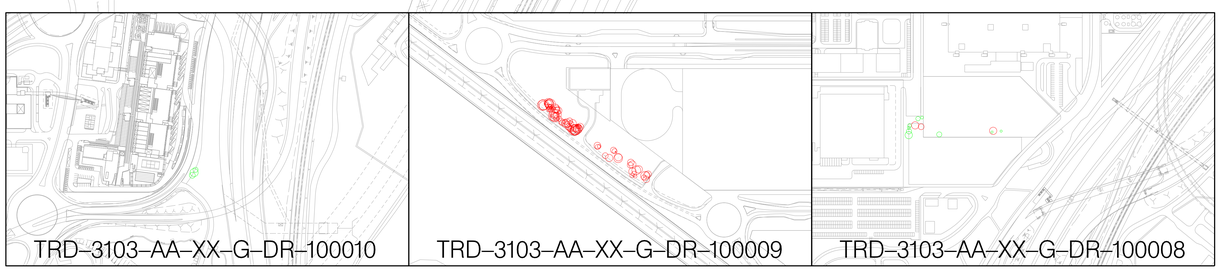
Tree Treatments Plans





LEGEND:–

- TREE RETAINED
- TREE TRANSPLANTED
- TREE FELLED



ZONE D ZONE C ZONE B

Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Rev.	Date	Description	Checked

Rev.	Date	Description	Checked

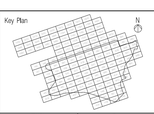
Signatures for Approval

Drawn: F. NG	Date: 21.05.2020	Design	Date
Checkers: A. WONG	Date: 21.050.2020	Plot Date: 19/12/2022	
Design Supervisor			Date
Authorised Representative: M. PUTNAM			Date: 21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT

Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong
Tel: (852) 2188 7111 Fax : (852) 2824 0717

Key Plan



Hong Kong International Airport

Title: 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – OVERALL PLAN

Scale	Zone	Originator	Design Ref.	Location	Discipline	Type	Number	Revision
1 : 3000 (in A0)	XXXX	Drawing No. TRD / 3103 / AA–XX / G / DR / 000001						D

Plot File : PD_A0_A1_pdf_extraline.pltcfg

File Name : Y:\CADD\Project\TRD\3103\DR\TRD–3103–AA–XX–G–DR–000001–D.dgn

User Name : NG_FWT

Plot Date : 19/12/2022

Dwg No. TRD / 3103 / AA-XX / G / DR / 100001 D

LEGEND:–

- TREE RETAINED
- TREE TRANSPLANTED
- TREE FELLED

Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Signatures for Approval

Drawn	Date	Design	Date
F. NG	21.05.2020		
Checkers	Date	Plot Date	
A. WONG	21.05.2020	19/12/2022	
Design Supervisor			Date
Authorised Representative			Date
M. PUTNAM			21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT
Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong
Tel: (852) 2188 7111 Fax : (852) 2824 0717

Key Plan N

Hong Kong International Airport

Title: 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (1)

Scale	Zone
1 : 500 (in A0)	3AD

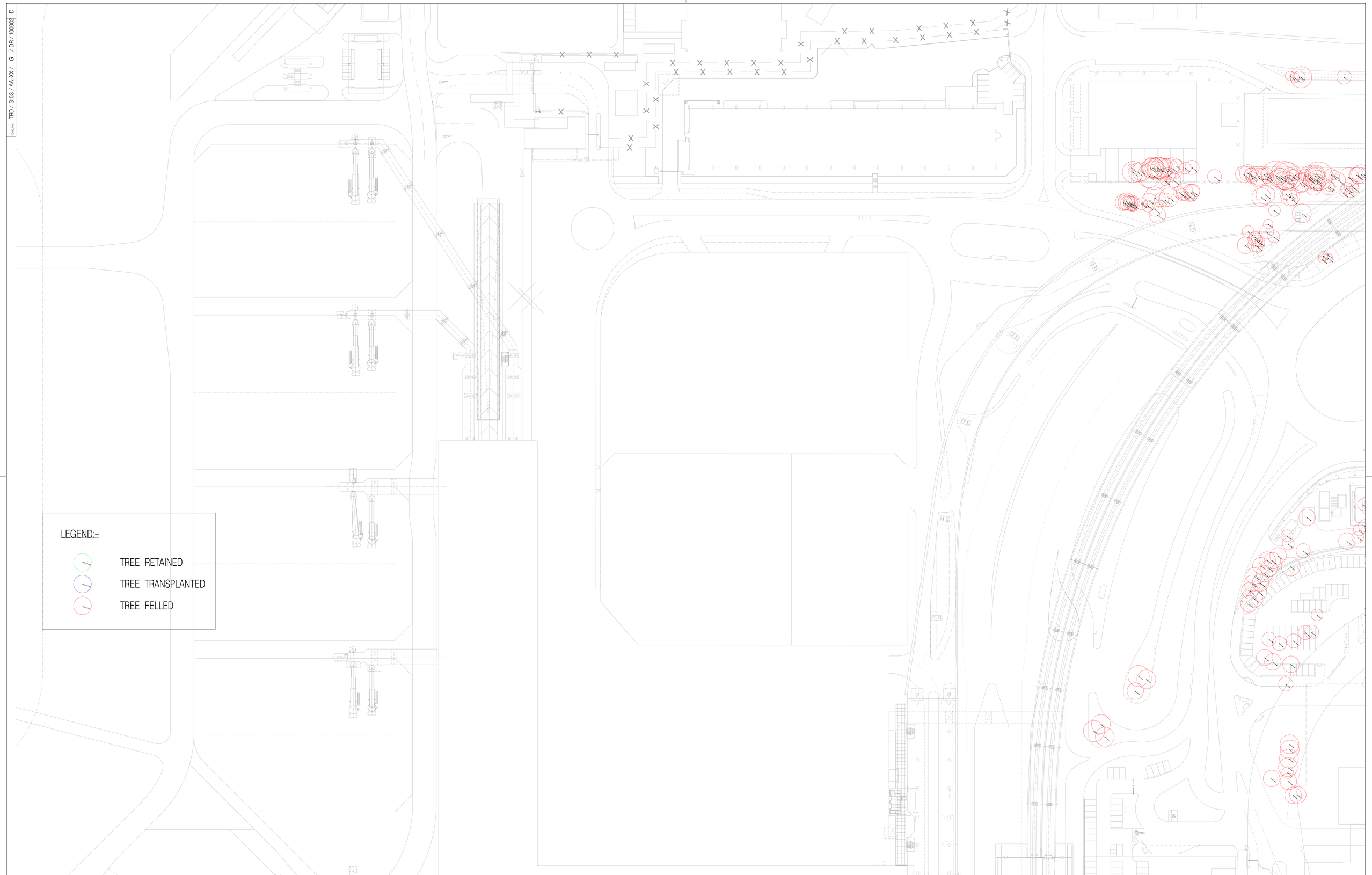
Originator	Design Ref.	Location	Discipline	Type	Number	Revision
Drawing No. TRD / 3103 / AA-XX / G / DR / 100001						D

Plot File : PD_A0_H_pdf_portraitfine.pltcfg

File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100001-D.dgn

User Name : NG_FWT

Plot Date : 19/12/2022



Dwg. No. TRD / 3103 / AA-XX / G / DR / 100002 D

Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Rev.	Date	Description	Checked

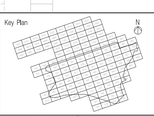
Rev.	Date	Description	Checked

Signatures for Approval

Drawn	Date	Design	Date
F. NG	21.05.2020		
Checkers	Date	Plot Date	
A. WONG	21.050.2020	19/12/2022	
Design Supervisor			Date
Authorised Representative			Date
M. PUTNAM			21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT
Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong
Tel: (852) 2188 7111 Fax : (852) 2824 0717

Key Plan



Hong Kong International Airport

Title 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (2)

Scale	Zone	Originator	Design Ref.	Location	Discipline	Type	Number	Revision
1 : 500 (in A0)	3CB	TRD / 3103 / AA-XX / G / DR / 100002						D

Drawing No.

Plot File : PD_A0_A1_pdf_extrafine.pltcfg

File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100002-D.dgn

User Name : NG_FWT

Plot Date : 19/12/2022

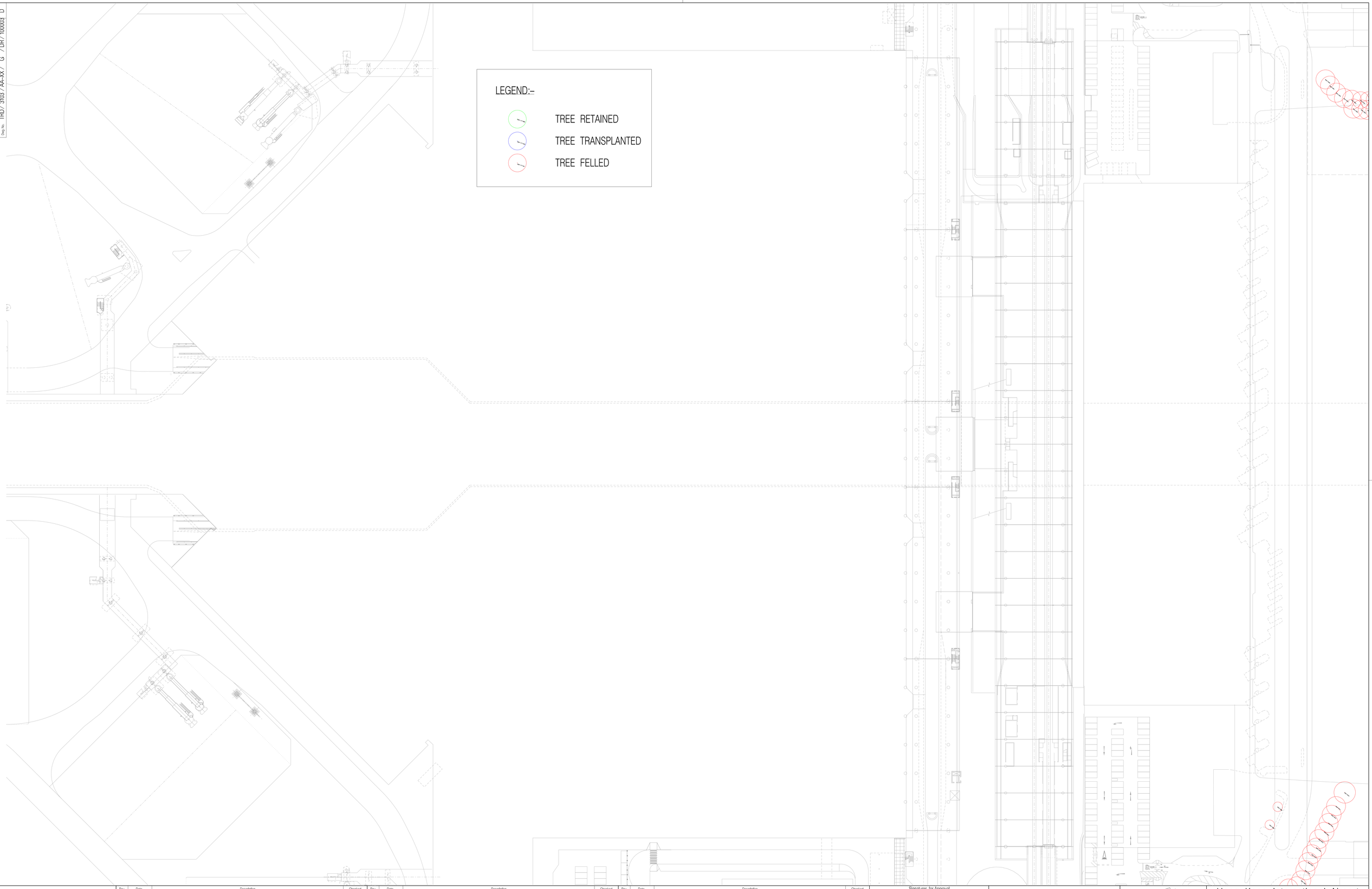
Dwg No. TRD / 3103 / AA-XX / G / DR / 100003 D

LEGEND:–

TREE RETAINED

TREE TRANSPLANTED

TREE FELLED



Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Rev.	Date	Description	Checked

Rev.	Date	Description	Checked

Signatures for Approval

	Date		Date
Drawn F. NG	21.05.2020	Design	
Checkers A. WONG	21.050.2020	Plot Date	19/12/2022
Design Supervisor			Date
Authorised Representative M. PUTNAM			Date 21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT
Airport Authority HKIA Tower,1 Sky Plaza Road,Hong Kong International Airport, Lantau, Hong Kong
Tel: (852) 2188 7111 Fax: (852) 2824 0717

Key Plan N

Hong Kong International Airport

Title 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (3)

Scale	Zone
1 : 500 (in A0)	3CB

Originator	Design Ref.	Location	Discipline	Type	Number	Revision
Drawing No. TRD / 3103 / AA-XX / G / DR / 100003						D

Plot Date : 19/12/2022

Plot File : RD_A0_A1.ctb_ceiathke.pltcfg

File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100003-D.dgn

User Name : NG_FWT

Dwg No. TRD / 3103 / AA-XX / G / DR / 100004 D

LEGEND:-

- TREE RETAINED
- TREE TRANSPLANTED
- TREE FELLED

Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Signatures for Approval

Drawn	Date	Design	Date
F. NG	21.05.2020		
Checkers	Date	Plot Date	
A. WONG	21.05.2020	19122022	
Design Supervisor			Date
Authorised Representative			Date
M. PUTNAM			21.05.2020

香港 國際機場 HONG KONG INTERNATIONAL AIRPORT
Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong
Tel.: (852) 2181 7111 Fax.: (852) 2824 0717

Key Plan

Scale	Zone
1 : 500 (in A0)	6AB

Hong Kong International Airport

Title: 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (4)

Originator	Design Ref.	Location	Discipline	Type	Number	Revision
Drawing No. TRD / 3103 / AA-XX /	G	/ DR /	100004			D

Plot Date : 19122022

Plot File : TD_A0_A1_pltCatalina.pltcfg

File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100004-D.dgn

User Name : NG_FWT

Dwg No. TRD / 3103 / AA-XX / G / DR / 100005 D

LEGEND:–

TREE RETAINED

TREE TRANSPLANTED

TREE FELLED

Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Rev.	Date	Description	Checked

Rev.	Date	Description	Checked

Signatures for Approval

	Date		Date
Drawn F. NG	21.05.2020	Design	
Checkers A. WONG	21.050.2020	Plot Date	19/12/2022
Design Supervisor			Date
Authorised Representative			Date
M. PUTNAM			21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT
Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong
Tel: (852) 2188 7111 Fax: (852) 2824 0717

Key Plan N

Scale	Zone
1 : 500 (in A0)	3DA

Hong Kong International Airport

Title 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (5)

Originator	Design Ref.	Location	Discipline	Type	Number	Revision
Drawing No.	TRD /	3103 /	AA-XX /	G	/ DR /	100005 D

Plot File : RD_A0_A1.ctb_ext:fine.ctb:by
File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100005-D.dgn
User Name : NG_FWT
Plot Date : 19/12/2022

Dwg No. TRD / 3103 / AA-XX / G / DR / 100006 D

LEGEND:–

- TREE RETAINED
- TREE TRANSPLANTED
- TREE FELLED

Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Signatures for Approval

	Date		Date
Drawn F. NG	21.05.2020	Design	
Checkers A. WONG	21.050.2020	Plot Date	19/12/2022
Design Supervisor			Date
Authorised Representative M. PUTNAM			Date 21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT
Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong
Tel.: (852) 2181 7111 Fax : (852) 2824 0777

Key Plan

Hong Kong International Airport

Title: 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (6)

Scale	Zone
1 : 500 (in A0)	3DC

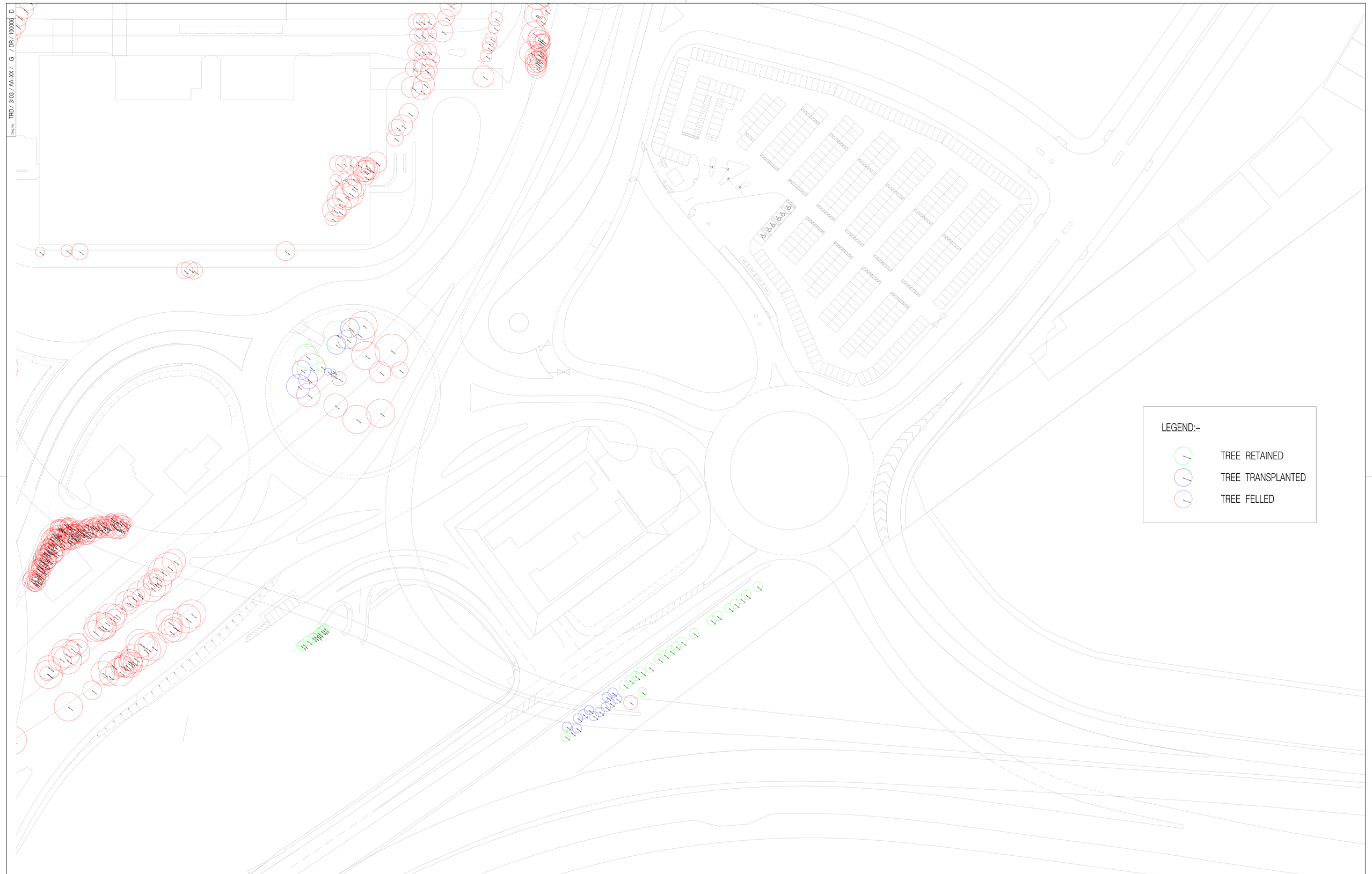
Originator	Design Ref.	Location	Discipline	Type	Number	Revision
Drawing No. TRD / 3103 / AA-XX / G / DR / 100006						D

Plot File : P:_A0_A1_pdf_autoshive.ctb\g

File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100006-D.dgn

User Name : NG_FWT

Plot Date : 19/12/2022



Dwg. No. TRD / 3103 / AA-XX / G / DR / 100006 D

Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Rev.	Date	Description	Checked

Rev.	Date	Description	Checked

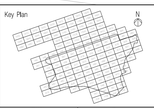
Signatures for Approval

Drawn	Date	Design	Date
F. NG	21.05.2020		
Checkers	Date	Plot Date	19/12/2022
A. WONG	21.050.2020		
Design Supervisor			Date
Authorised Representative			Date
M. PUTNAM			21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT

Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong
Tel: (852) 2188 7111 Fax : (852) 2824 0717

Key Plan



Hong Kong International Airport

Title 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (7)

Scale	Zone	Originator	Design Ref.	Location	Discipline	Type	Number	Revision
1 : 500 (in A0)	3DC	TRD	3103	AA-XX	G	DR	100007	D

Drawing No. TRD / 3103 / AA-XX / G / DR / 100007 D

Plot File : PD_A0_A1_pdf_extraline.pltcfg

File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100007-D.dgn

User Name : NG_FWT

Plot Date : 19/12/2022

Dwg No. TRD / 3103 / AA-XX / G / DR / 100008 D

LEGEND:–

TREE RETAINED

TREE TRANSPLANTED

TREE FELLED

Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Rev.	Date	Description	Checked

Rev.	Date	Description	Checked

Signatures for Approval

Drawn	Date	Design	Date
F. NG	21.05.2020		
Checkers	Date	Plot Date	
A. WONG	21.050.2020	19/12/2022	
Design Supervisor			Date
Authorised Representative			Date
M. PUTNAM			21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT

Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong
Tel : (852) 2188 7111 Fax : (852) 2824 0717

Key Plan N

Scale	Zone
1 : 500 (in A0)	6CC

Hong Kong International Airport

Title 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (8)

Originator	Design. Ref.	Location	Discipline	Type	Number	Revision
Drawing No. TRD / 3103 / AA-XX /	G	/ DR /	100008			D

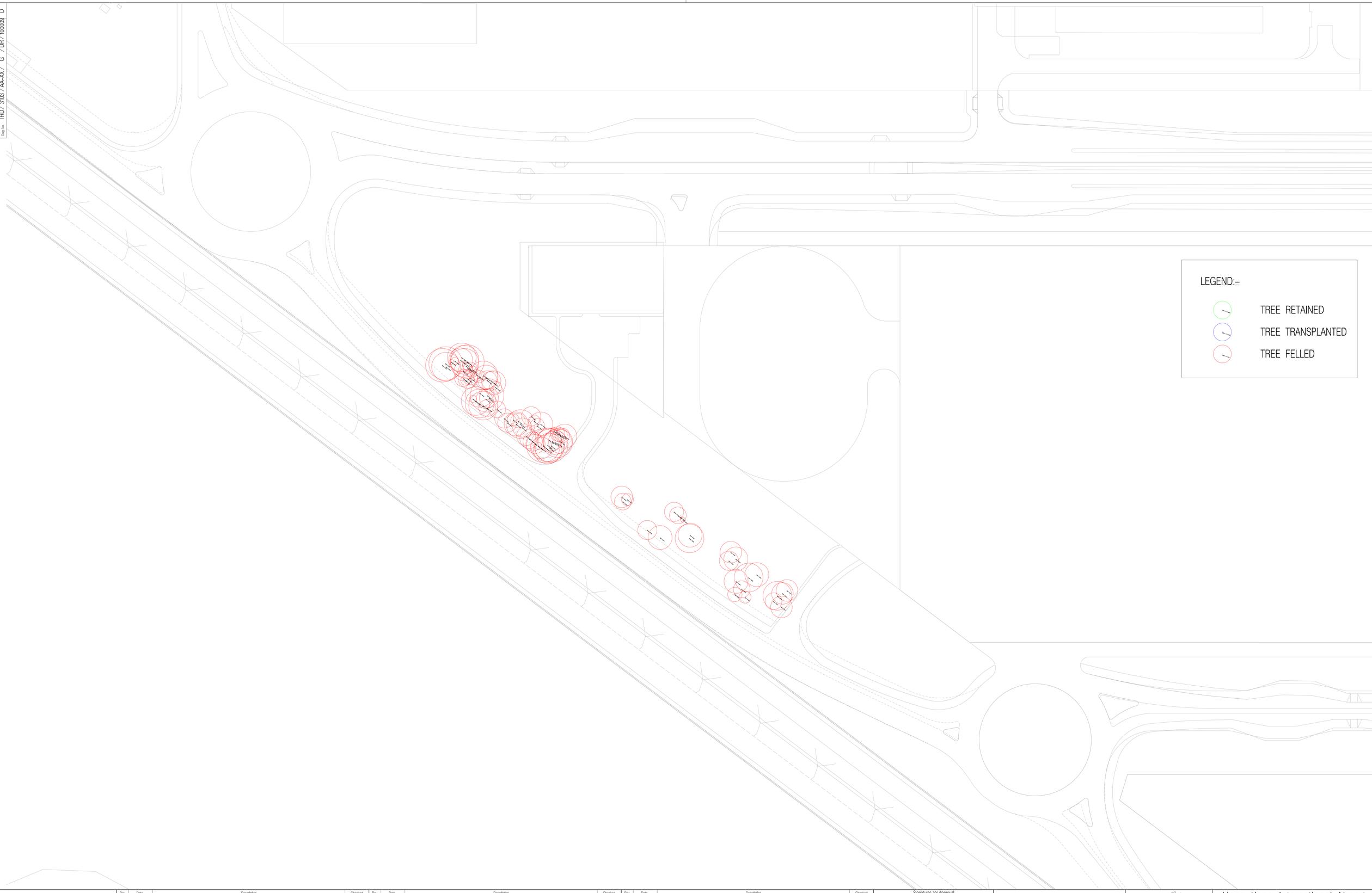
Plot Date : 19/12/2022

Plot File : PD_A0_H_pdf_portraitfree.pltcfg

File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100008-D.dgn

User Name : NG_FWT

Dwg No. TRD / 3103 / AA-XX / G / DR / 100009 D



Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Signatures for Approval

Drawn	Date	Design	Date
F. NG	21.05.2020		
Checkers	Date	Plot Date	
A. WONG	21.050.2020	19/12/2022	
Design Supervisor			Date
Authorised Representative			Date
M. PUTNAM			21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT
Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong.
Tel : (852) 2188 7111 Fax : (852) 2824 0717

Key Plan

Scale	Zone
1 : 500 (in A0)	7AD

Hong Kong International Airport

Title: 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (9)

Originator	Design Ref.	Location	Discipline	Type	Number	Revision
Drawing No. TRD / 3103 / AA-XX / G / DR / 100009						D

Plot File : PD_A0_A1.ctb

File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100009-D.dgn

User Name : NG_FWT

Plot Date : 19/12/2022



Dwg. No. TRD / 3103 / AA-XX / G / DR / 100010 D

Notes :
1. Measurements are based on metric system.
2. All levels are in metres to Principal Datum (mPD) unless noted otherwise.
3. Do not scale drawing.
4. Figure dimensions are to be followed.
5. Do not use for construction unless expressly permitted.
6. The Contractor shall verify all conditions on the Site & notify the Employer's Representative of any variations from dimensions before construction.

Copyright in this document and all proprietary rights in the information it contains belong to the AA. It is a condition of the supply of this document, in whatever form, that the recipient shall hold it in confidence and shall not duplicate or otherwise reproduce it in whole or in part, nor disclose its contents without the written consent of the AA.

Rev.	Date	Description	Checked
A	21.05.2020	FIRST ISSUE	A. WONG
B	15.07.2020	GENERAL UPDATED	A. WONG
C	31.07.2020	GENERAL UPDATED	A. WONG
D	21.11.2022	GENERAL UPDATED	A. WONG

Rev.	Date	Description	Checked

Rev.	Date	Description	Checked

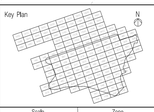
Signatures for Approval

Drawn	Date	Design	Date
F. NG	21.05.2020		
Checkers	Date	Plot Date	
A. WONG	21.050.2020	19/12/2022	
Design Supervisor			Date
Authorised Representative			Date
M. PUTNAM			21.05.2020

香港國際機場 HONG KONG INTERNATIONAL AIRPORT

Airport Authority HKIA Tower, 1 Sky Plaza Road, Hong Kong International Airport, Lantau, Hong Kong
Tel: (852) 2188 7111 Fax : (852) 2824 0717

Key Plan



Hong Kong International Airport

Title 3RS LANDSCAPE AND VISUAL PLAN

LANDSCAPE SURVEY AND RECOMMENDATION – ZOOM IN PLAN (10)

Scale	Zone	Originator	Design Ref.	Location	Discipline	Type	Number	Revision
1 : 500 (in A0)	7BB	Drawing No. TRD / 3103 / AA-XX / G / DR / 100010						D

Plot File : PD_A0_A1_pdf_extrafine.pltcfg

File Name : Y:\CADD\Project\TRD\3103\DR\TRD-3103-AA-XX-G-DR-100010-D.dgn

User Name : NG_FWT

Plot Date : 19/12/2022

ANNEX F

Typical Tree Transplantation Specification

GENERAL REQUIREMENTS FOR TREE TRANSPLANTATION WORKS

1. SUBMISSION OF METHOD STATEMENTS

1.1 The Contractor shall make his own arrangements for the transportation of trees. The Contractor shall submit the method statement for tree transplantation to the Project Manager/ET/IEC for review without objection prior to the commencement of any works. The method statements shall outline the method, sequencing, time of operations and the location and type of machinery to be used for various transplantation operations.

1.2 The Contractor shall allow the tree transplanting works in his programme of Works in such a way that the root pruning to the approved size of rootball shall commence as early as possible so as to ensure maximum fibrous root growth before the transplanting operations.

1.3 The Contractor shall take all necessary precautions to ensure that no damage is done to the tree during all processes of transplanting.

1.4 Transplanting operations shall be timed so as to enable transplanting of the trees direct to the areas of proposed planting. No lifting and transplanting operations shall commence until either the receptor sites or the holding nursery are fully prepared as specified. Any tree lifted must be transplanted and watered on the same day.

1.5 Trees shall be lifted carefully to avoid damage to roots and to obtain the approved size of rootball. Roots shall be cut free of ground, not pulled, using a suitable implement to give a clean cut. The rootball should be properly wrapped before lifting. Also trees should not be lifted by the trunk, as this can cause serious trunk injury but by its rootball which should be properly prepared and wrapped.

1.6 All trees to be transplanted shall be wrapped and protected to prevent mechanical damage during lifting and transportation. They shall also be protected against excessive sunlight, wind and drought. Care shall be taken in packing to prevent over-heating with its resultant loss of foliage.

1.7 Trees transplanted direct to the receptor sites are to be planted in accordance with the contract-specific requirements unless otherwise proposed in the Contractor's method statement and reviewed without objection by the Project Manager.

1.8 The Contractor shall be responsible for all the necessary application for the Temporary Traffic Arrangement for the transplantation works.

2. PREPARATION OF TRANSPLANTED TREES

2.1 The contractor shall follow contract-specific requirements of the preparation works for tree transplanting works, including the rootball size, depth of root ball, root ball preparation period, pruning requirement and recipient site for tree transplanting.

3. PLANTING AT RECEPTOR SITE

3.1 The Contractor shall be responsible for identifying and verifying tree recipient sites in relation to the proposed works before the tree transplantation. Where a tree recipient site is found unsuitable, the Contractor shall submit an alternative proposal to the Project Manager for review without objection. Once the underground utilities verification is complete, associated protective measures such as the provision of

root barrier to any transplanted trees which is in close proximity to existing utilities shall be provided to avoid any potential damages.

3.2 Prior to the lifting of the trees, tree pits at their receptor sites shall be already prepared and agreed on site.

3.3 After settlement the top of the root collar shall be level with the surrounding ground level. Backfill in layers, each layer being firmly consolidated to eliminate air pockets. The backfilling materials proposed by the Contractor shall be reviewed without objection by the Project Manager.

3.4 Add fertilizer to the backfilling materials at the rate agreed by the Project Manager. Alternatively, liquid fertilizer may be use as reviewed without objection by the Project Manager. Fertilizer shall be thoroughly mixed with the backfilling materials. Hormone powder may be applied to the rootball and alginates and polymer gels mixed into the backfilling materials in accordance with the manufacturer's instructions if reviewed without objection by the Project Manager.

3.5 Securing and supporting measures for the transplanted trees shall be submitted by the Contractor and reviewed without objection by the Project Manager.

4. POST TRANSPLANTING/ ESTABLISHMENT WORK

4.1 The transplanted trees shall be maintained immediately after transplanting works, from existing location and subsequent Establishment Period for 1 year. Such maintenance shall include all measures necessary to establish and maintain all the transplanted trees in an acceptable vigorous and healthy growing condition until the expiry of the Establishment Period.

4.2 Immediately after transplanting, the base of all the transplanted trees shall be well watered, using enough water to thoroughly soak the rootball.

4.3 Backfill of soil mix to form ground level to match adjacent landform and apply hydroseeding according to the contract-specific requirements.

4.4 Firming up of the transplanted trees and the supporting materials shall be undertaken as necessary during the period and particularly after heavy rain and/or wind.

4.5 Root activator, if instructed, shall be applied regularly according to manufacturer's recommendations.

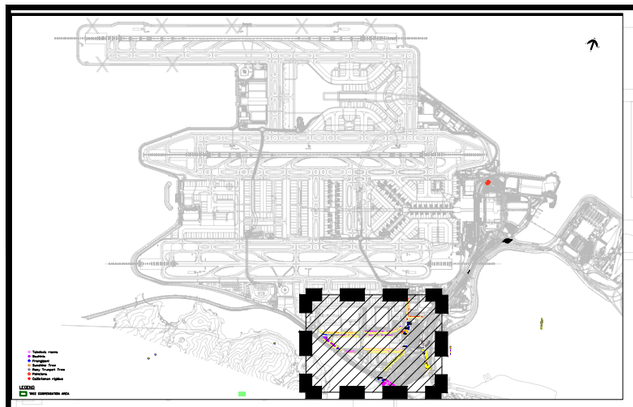
4.6 Rootball shall be kept free of weeds at all times.

*Specific EM&A Requirements:

- In accordance with the EM&A Manual, the ET shall carry out checking of the contractor’s operations during the construction period, which in this case would be the transplanting works. The ET shall also report on the Contractor’s compliance, and the report shall be counter signed by IEC.
- In accordance with the EM&A Manual, the ET shall carry out checking of the planting works during the 12-month Establishment Period after tree transplantation and report on the Contractor’s compliance, and the report shall be counter signed by IEC.
- Following the 12-month Establishment Period for transplanted trees, monitoring of the long-term management of planting works will be carried out by ET or maintenance agency for compliance for a period up to 10 years after completion of the construction works.

ANNEX G

Compensatory Planting Plans and Recipient Locations for Transplanted Trees



COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATIONS (3 OF 8)

COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATIONS (2 OF 8)

COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATIONS (4 OF 8)

COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATIONS (1 OF 8)

COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATIONS (5 OF 8)

COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATION (6 OF 8)

T815 (3503)
T812 (3503)
T831 (3503)
T829 (3503)
T835
T836
T838
T830(3503)
CT1253 (3801)
CT1276 (3801)
T814 (3503)

LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR.宮粉羊蹄甲
- PLU. RUB.雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG.紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATIONS (KEY PLAN -1)

DRAWING INFORMATION

PROJECT NUMBER: 0313181	
DRAWING NUMBER: CP_KEY PLAN	REVISION: 14 OCT 2022
FILE NAME:	DATE:
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

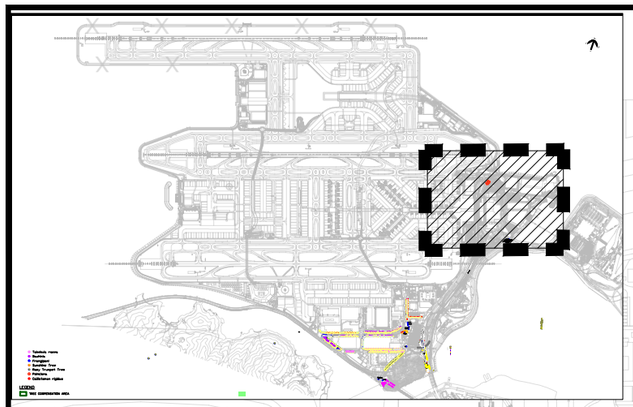
SCALE

1:5000 @ A3

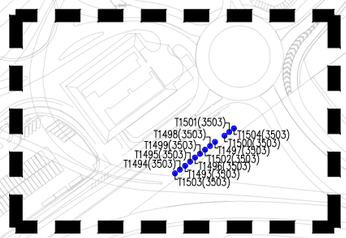
Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

COPYRIGHT RESERVED

ERM



COMPENSATORY PLANTING PLANS &
TRANSPLANTED TREES RECIPIENT LOCATIONS
(8 OF 8)



COMPENSATORY PLANTING PLANS &
TRANSPLANTED TREES RECIPIENT LOCATIONS
(7 OF 8)

LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR. 宮粉羊蹄甲
- PLU. RUB. 雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG. 紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy
Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS &
TRANSPLANTED TREES RECIPIENT LOCATIONS
(KEY PLAN - 2)

DRAWING INFORMATION

PROJECT NUMBER	0313181
DRAWING NUMBER	CP_KEY PLAN
REVISION	14 OCT 2022
FILE NAME	
DATE	
DESIGN / DRAWN BY	JL
REVIEWED BY	TF

SCALE

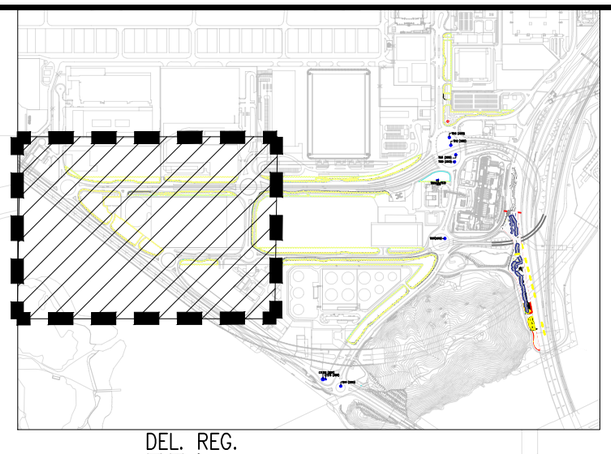
1:5000 @ A3

Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

-

COPYRIGHT RESERVED

ERM



DEL. REG.
鳳凰木
29 Nos.

DEL. REG.
鳳凰木
25 Nos.

CRA. UNI.
樹頭菜
84 Nos.

BAU. VAR.
宮粉羊蹄甲
199 NOS

BAU. VAR.
宮粉羊蹄甲
70 Nos.

TAB. ROS.
紅花風鈴木
40 NOS

PLU. RUB.
雞蛋花(紅花)
207 NOS

LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR. 宮粉羊蹄甲
- PLU. RUB. 雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG. 紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy
Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS &
TRANSPLANTED TREES RECIPIENT LOCATIONS
(1 OF 8)

DRAWING INFORMATION

PROJECT NUMBER
0313181

DRAWING NUMBER	REVISION
CP_1	14 OCT 2022
FILE NAME	DATE
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

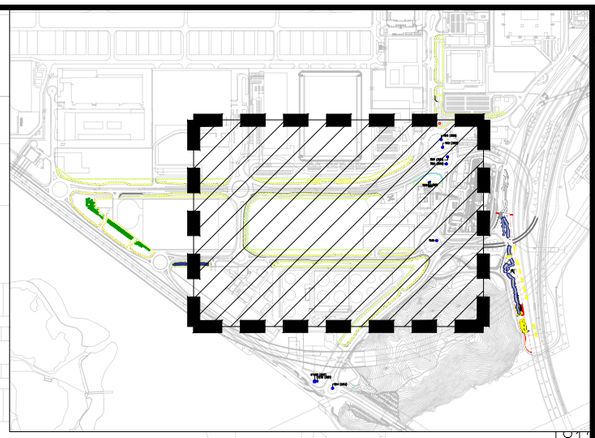
SCALE
1:2000 @ A3

Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

-

COPYRIGHT RESERVED

ERM



BAU. VAR.
宮粉羊蹄甲
140 Nos.

T831 (3503)

T829 (3503)

SEN. SUR.
黃槐
37 Nos.

T835

T836

T838

CAL. RIG.
紅千層
28 NOS

BAU. VAR.
宮粉羊蹄甲
128 Nos.

PLU. RUB.
雞蛋花(紅花)
77 NOS

TAB. ROS.
紅花風鈴木
141 NOS

TAB. ROS.
紅花風鈴木
39 NOS

T830

LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR. 宮粉羊蹄甲
- PLU. RUB. 雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG. 紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy
Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS &
TRANSPLANTED TREES RECIPIENT
LOCATIONS (2 OF 8)

DRAWING INFORMATION

PROJECT NUMBER: 0313181	
DRAWING NUMBER: CP_2	REVISION: 14 OCT 2022
FILE NAME:	DATE:
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

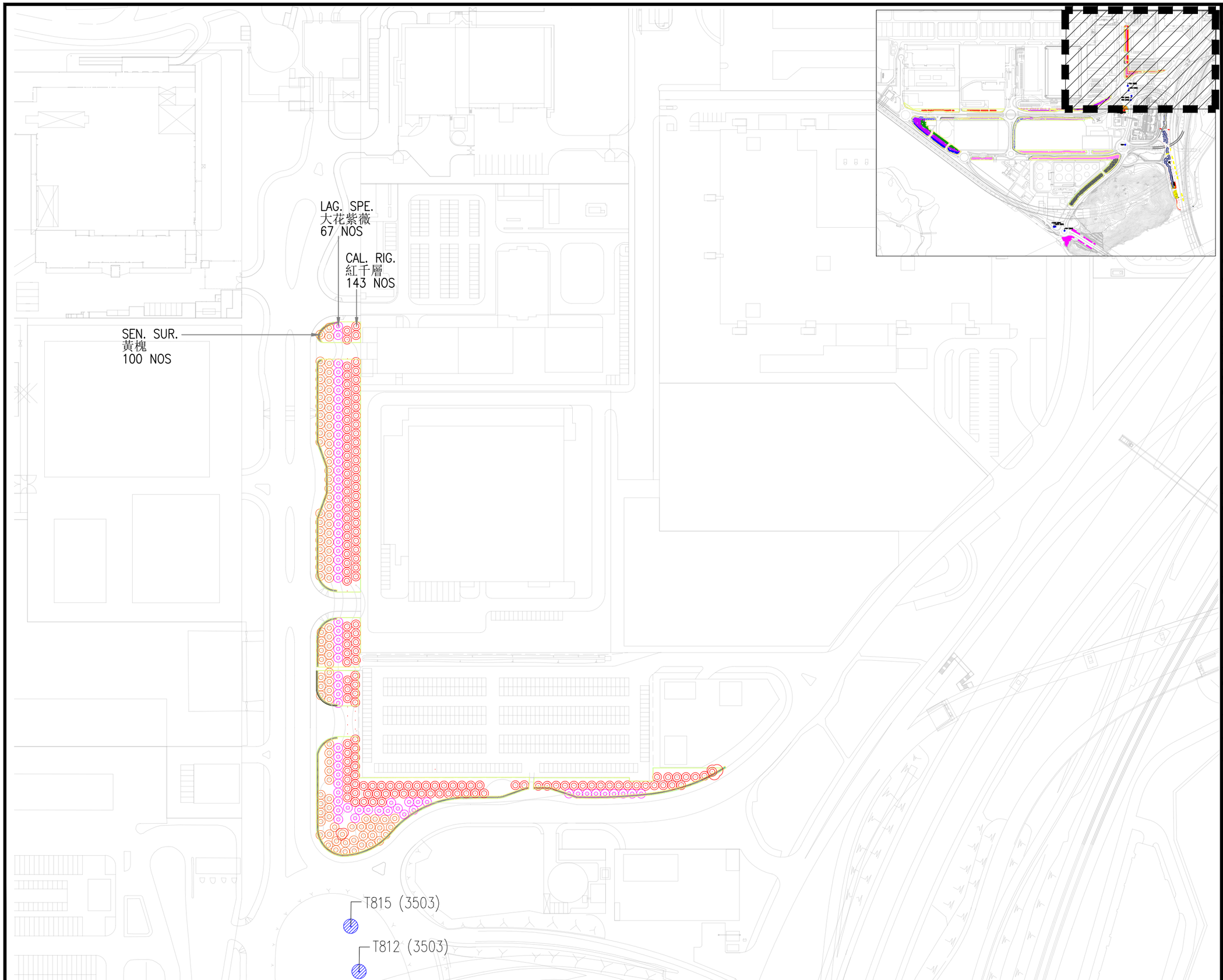
SCALE

1:2000 @ A3

Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

COPYRIGHT RESERVED

ERM



LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR. 宮粉羊蹄甲
- PLU. RUB. 雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG. 紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy
Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS &
TRANSPLANTED TREES RECIPIENT LOCATIONS
(3 OF 8)

DRAWING INFORMATION

PROJECT NUMBER: 0313181

DRAWING NUMBER	REVISION
CP_3	14 OCT 2022
FILE NAME	DATE
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

PLANTING PLAN (3 OF 6)

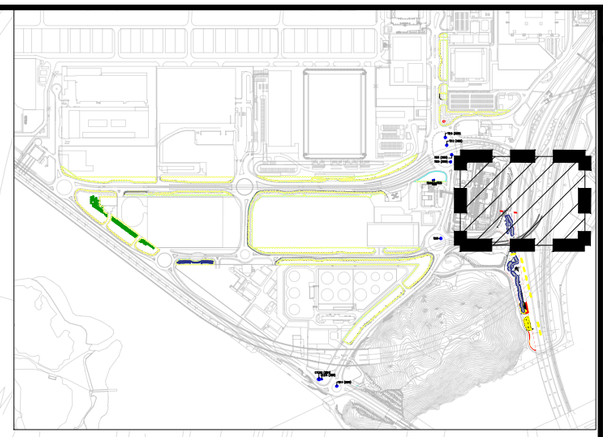
SCALE: 1:2000 @ A3

Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

COPYRIGHT RESERVED

0

ERM



TAB. CHR.
黃花風鈴木
83 NOS

LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR. 宮粉羊蹄甲
- PLU. RUB. 雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG. 紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy
Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATIONS (4 OF 8)

DRAWING INFORMATION

PROJECT NUMBER: 0313181	
DRAWING NUMBER: CP_4	REVISION: 14 OCT 2022
FILE NAME:	DATE:
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

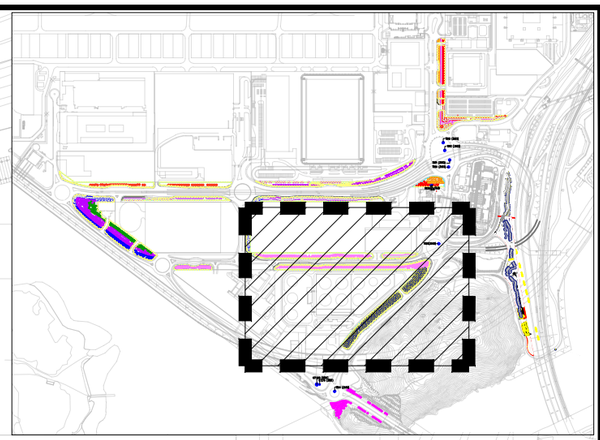
SCALE

1:1000 @ A3

Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

COPYRIGHT RESERVED

ERM



T830(3503)

TAB. CHR.
黃花風鈴木
104 NOS

TAB. ROS.
紅花風鈴木
215 NOS

TAB. CHR.
黃花風鈴木
219 NOS

LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR. 宮粉羊蹄甲
- PLU. RUB. 雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG. 紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy
Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS &
TRANSPLANTED TREES RECIPIENT LOCATIONS
(5 OF 8)

DRAWING INFORMATION

PROJECT NUMBER
0313181

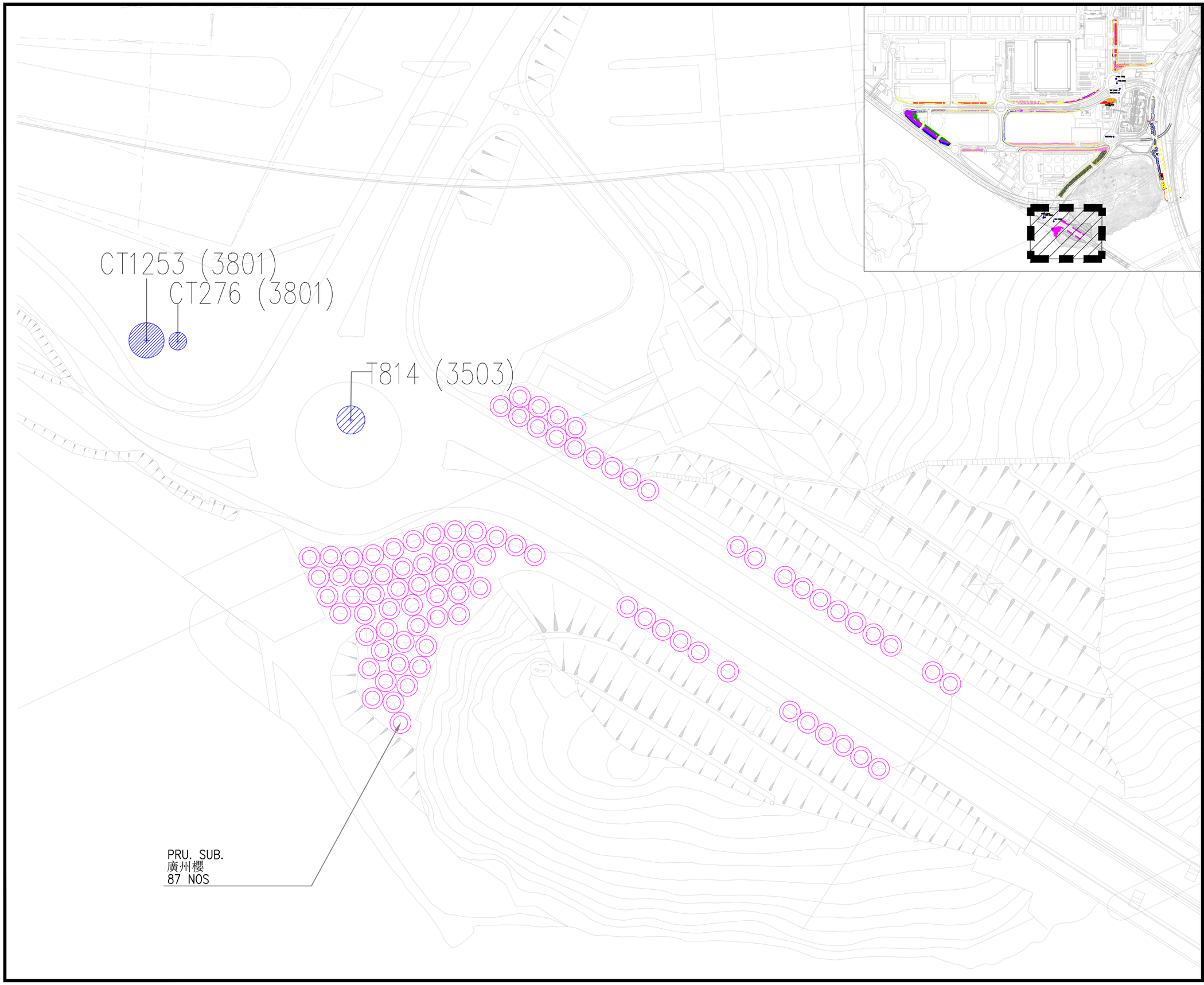
DRAWING NUMBER	REVISION
CP_5	14 OCT 2022
FILE NAME	DATE
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

SCALE
1:2000 @ 3A

Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

COPYRIGHT RESERVED

ERM



LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR.宮粉羊蹄甲
- PLU. RUB.雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG.紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy
Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS &
TRANSPLANTED TREES RECIPIENT LOCATIONS
(6 OF 8)

DRAWING INFORMATION

PROJECT NUMBER
0313181

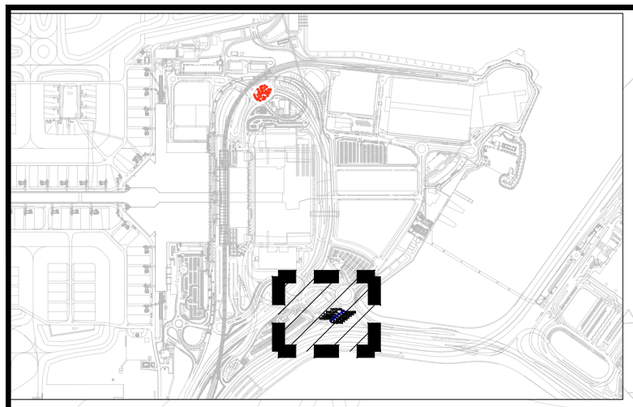
DRAWING NUMBER	REVISION
CP_6	14 OCT 2022
FILE NAME	DATE
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

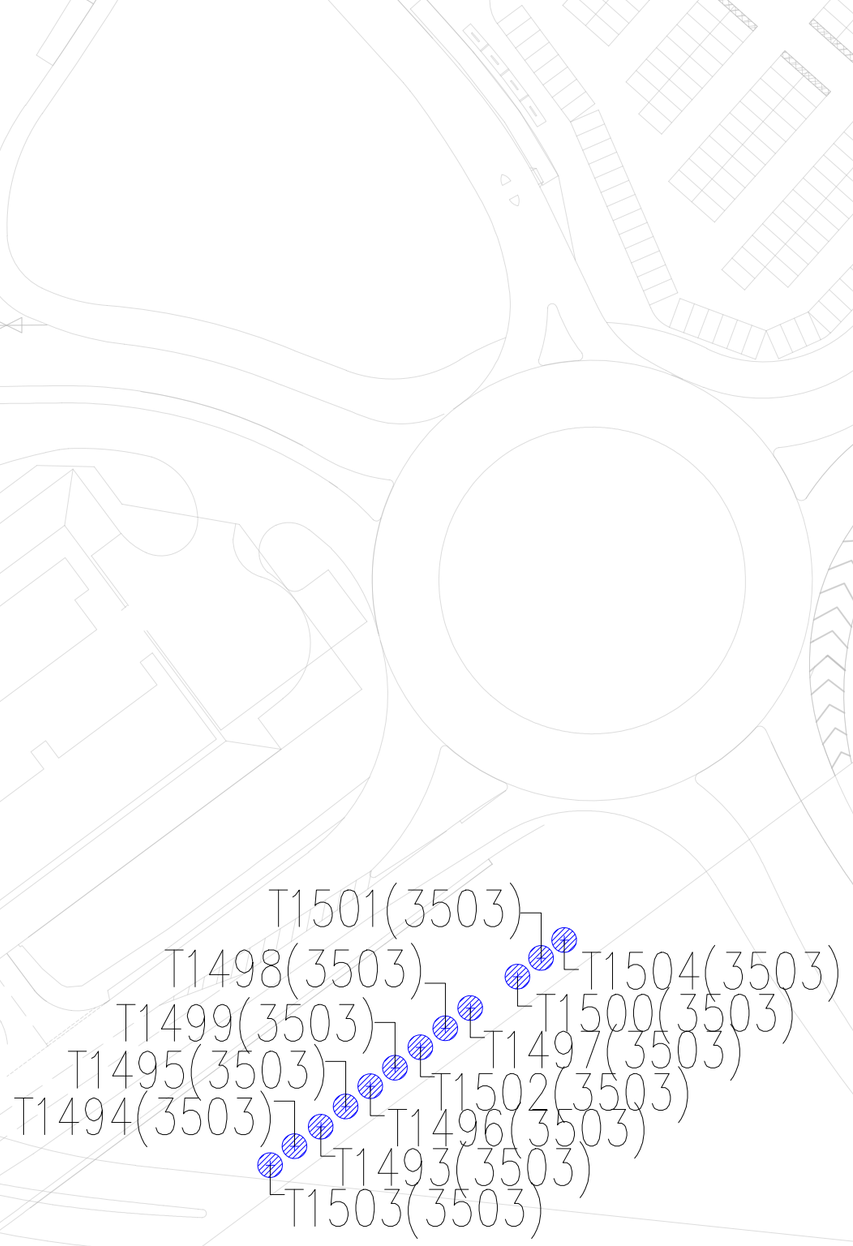
SCALE
1:1000 @ 3A

Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

COPYRIGHT RESERVED

ERM





LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR. 宮粉羊蹄甲
- PLU. RUB. 雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG. 紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy
Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATIONS (7 OF 8)

DRAWING INFORMATION

PROJECT NUMBER
0313181

DRAWING NUMBER	REVISION
CP_7	14 OCT 2022
FILE NAME	DATE
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

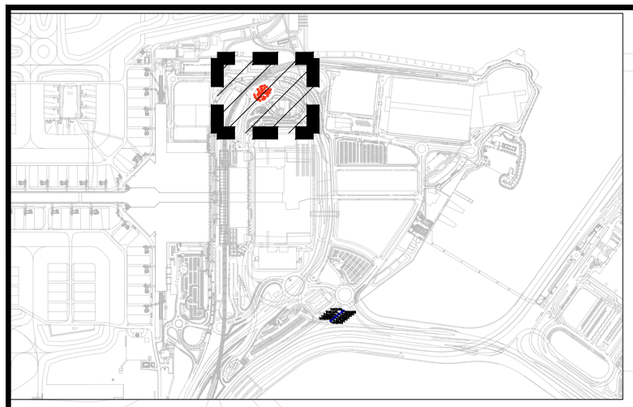
SCALE
1:1000 @ A3

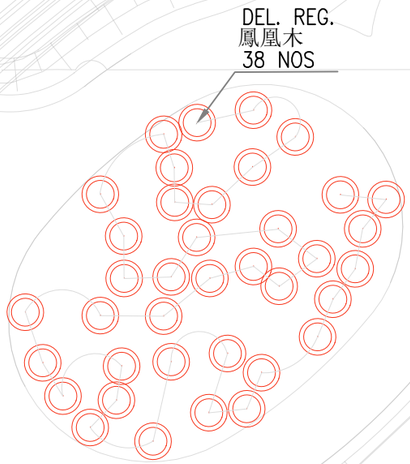
Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

-

COPYRIGHT RESERVED

ERM





LEGEND

- DEL. REG. 鳳凰木
- CRA. UNI. 樹頭菜
- TAB. ROS. 紅花風鈴木
- BAU. VAR.宮粉羊蹄甲
- PLU. RUB.雞蛋花(紅花)
- LAG. SPE. 大花紫薇
- SEN. SUR. 黃槐
- CAL. RIG.紅千層
- TAB. CHR. 黃花風鈴木
- PRU. SUB. 廣州櫻
- TRANSPLANTED TREE RECIPIENT LOCATION

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy
Services - Landscape and Visual Plan

DRAWING TITLE

COMPENSATORY PLANTING PLANS & TRANSPLANTED TREES RECIPIENT LOCATIONS (8 OF 8)

DRAWING INFORMATION

PROJECT NUMBER: 0313181	
DRAWING NUMBER: CP_8	REVISION: 14 OCT 2022
FILE NAME:	DATE:
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

SCALE

1:1000 @ A3

Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

-

COPYRIGHT RESERVED

ERM

TREES

ABBREVIATION	BOTANICAL NAME	CHINESE NAME	HEIGHT (m)	SPREAD (m)	DBH (mm)	QUANTITY	SPACING (m)	REMARKS
BAU. VAR.	*Bauhinia Variegata*	宮粉羊蹄甲	5000-6000	5000	150	537	4	
CAL. RIG.	*Callistemon Rigidus*	紅千層	5000-6000	5000	150	171	4	
CRA. UNI.	*Crateva Unilocularis*	樹頭菜	6000-7000	6000	150	84	5	
DEL. REG.	*Delonix Regia*	鳳凰木	5000-6000	5000	150	92	5	
LAG. SPE.	*Lagerstroemia Speciosa*	大花紫薇	5000-6000	5000	150	67	4	
PLU. RUB.	*Plumeria Rubra*	雞蛋花(紅花)	5000-6000	6000	150	284	3	
PRU. SUB.	*Prunus subgen.Cerasus*	廣州櫻	5000-6000	6000	150	87	4	
TAB. CHR.	*Tabebuia Chrysantha*	黃花風鈴木	5000-6000	5000	150	406	4	
TAB. ROS.	*Tabebuia Rosea*	紅花風鈴木	5000-6000	5000	150	435	4	
SEN. SUR.	*Senna Surattensis*	黃槐	5000-6000	5000	150	137	3	

LEGEND

NOTES:
- All proposed plant species and specifications are subject to change during construction to suit the site conditions.
- Planting Selections are compliance with Hong Kong International Airport Approved Plant Species List (Revision 5.0: January 2018).

REVISION

SUFFIX	DESCRIPTION	DRAWN	CHECKED	DATE

CLIENT / ARCHITECT

AIRPORT AUTHORITY
HONG KONG

PROJECT NAME

Hong Kong International Airport
3RS Environmental Permit Consultancy Services - Landscape and Visual Plan

DRAWING TITLE

PLANTING SCHEDULE

DRAWING INFORMATION

PROJECT NUMBER
0313181

DRAWING NUMBER	REVISION
PS_1	14 OCT 2022
FILE NAME	DATE
DESIGN / DRAWN BY: JL	REVIEWED BY: TF

SCALE
N.T.S

Environmental Resources Management
2509, 25/F, One Harbourfront,
18 Tak Fung Street, Hunghom, Kowloon,
Hong Kong

COPYRIGHT RESERVED

ERM

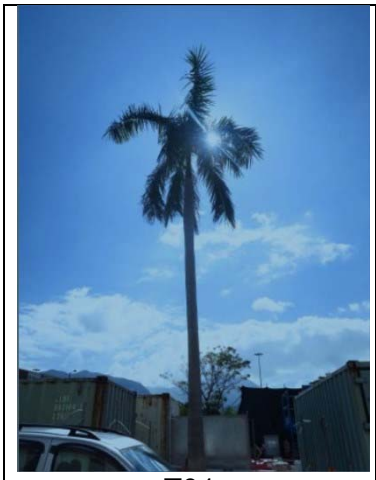
ANNEX H

Photo Records of “Retain” and “Transplant” Trees

Annex H– Photo Records of "Retain" and "Transplant" Trees

"Retain" Trees

Contract 3302



T01



T03



T04



T07



T08



T09



T10



T11



T12

Annex H– Photo Records of "Retain" and "Transplant" Trees

"Retain" Trees

Contract 3503

 T813	 T833	 T834

Annex H – Photo Records of "Retain" and "Transplant" Trees

"Retain" Trees

Contract 3801

		
CT1885	CT1886	CT1887

Annex H– Photo Records of "Retain" and "Transplant" Trees

"Retain" Trees

Contract 3508

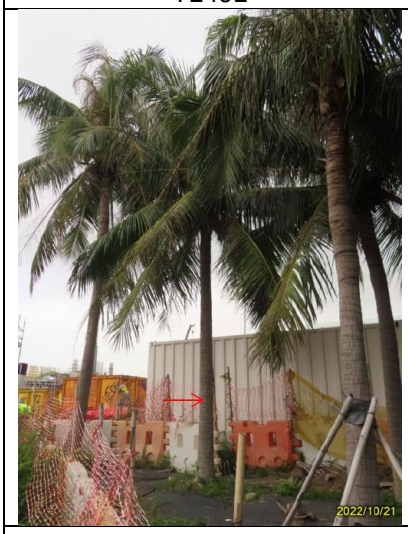
 T1381A-T1392A		

* Photos are extracted from detailed design submission and will be subject to changes based on updated tree survey results

Annex H– Photo Records of "Retain" and "Transplant" Trees

"Retain" Trees

Contract 3508

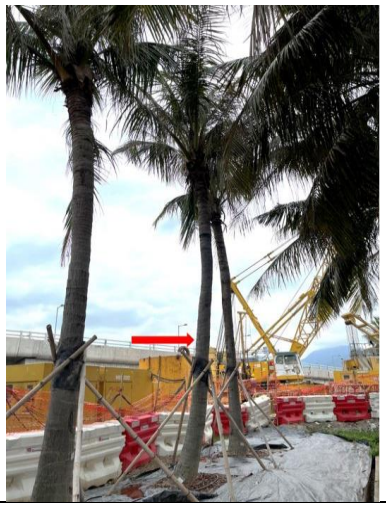
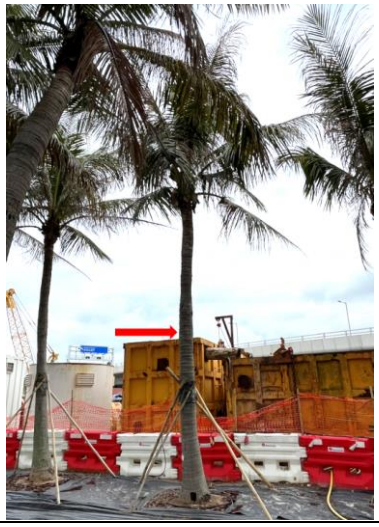
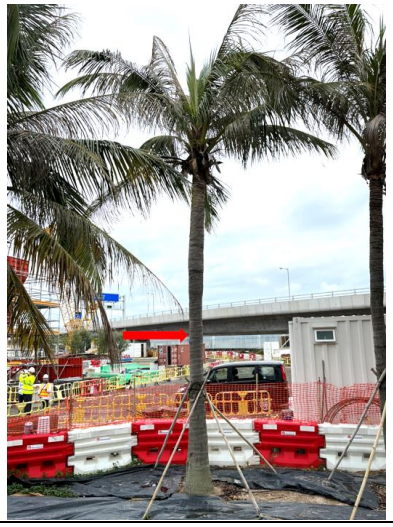
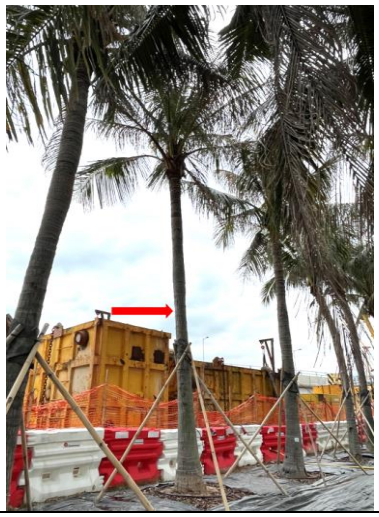
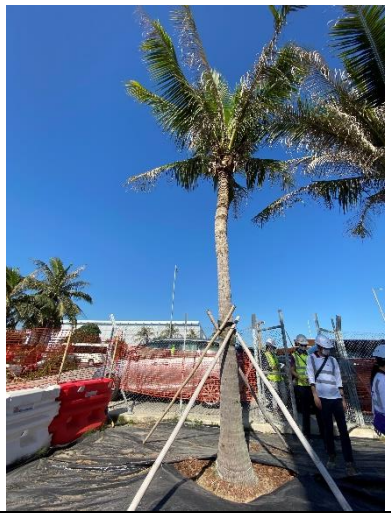
		
T1491	T1492	T1506
		
T1507	T1508	T1509
		
T1512	T1514	T1515

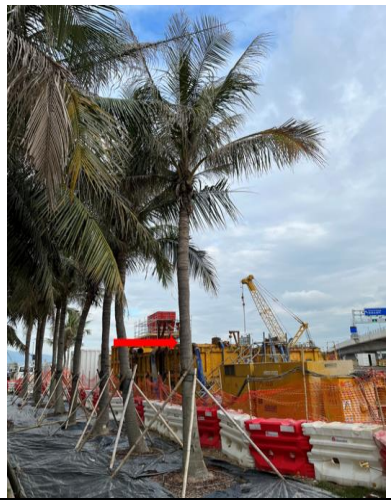
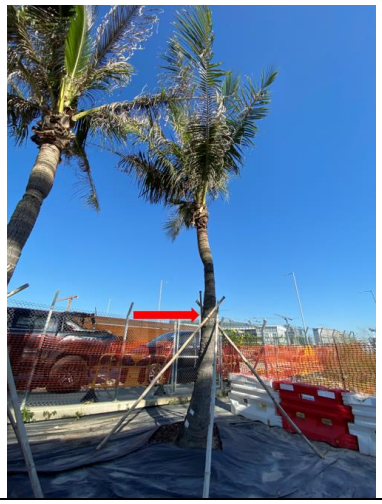
		
T1518	T1519	T1521
		
T1522	T1524	T1525
		
T1527	T1528	T1531

		
T1532	T1536	A2
		
A3	A4	

Photos of transplant trees

3503		
		
T812	T814	T815
		
T829	T830	T831
		
T835	T836	T838

		
T1493	T1494	T1495
		
T1496	T1497	T1498
		
T1499	T1500	T1501

		
T1502	T1503	T1504
3801		
		
T276	T1253	