

Annex H

Replacement Pages of the Revised Tree Preservation and Removal Proposal

3.0 GENERAL DESCRIPTION OF EXISTING TREES

A tree survey was conducted in May 2022 and **224** nos. of trees within the Lot are identified. Among the 224 nos. of existing trees surveyed, 145 nos. of *Leucaena leucocephala* are identified.

Besides the *Leucaena leucocephala*, 79 nos. of existing are surveyed. The most numerous of the existing trees are *Macaranga tanarius* var. *Tomentosa* (23 nos.) and *Callistemon viminalis* (9 nos.). More than half of the surveyed trees are in poor form and poor structural condition.

1 no. of the surveyed existing trees T157 (*Mangifera indica*) with DBH 1300mm is identified as "Tree of Particular Interest".

There is **no** endangered tree species identified in the tree survey under the listing in 'Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586)'. Additionally, there is **no** "Old and Valuable" trees (OVT) observed within the Surveyed Area or its periphery during the undertaking of this survey.

Please refer to the supporting information as follows:

- A schedule of all the trees surveyed, together with their size and condition assessment is presented in Tree Assessment Schedule in **Appendix B**.
- Photographic record of existing trees is shown in **Appendix C**.
- The Location of existing trees overlaid onto the Master Layout Plan showing those affected by the proposed development and proposed for felling are shown on the Tree Survey Plan in **Appendix D**.
- Compensatory Tree Planting Plan showing the locations of compensatory trees overlaid onto the Master Layout Plan in **Appendix E**.

4.0 TREE FELLING PROPOSAL

***Leucaena leucocephala* Proposed to be Felled (145 nos.)**

With reference to the Guideline Notes on TPRP for Building Development in Private Projects – Compliance with Tree Preservation Clause under Lease of LAO Practice Note 6/2023, para (D) Compensatory Planting Proposal under Mandatory Information to be Provided in the Submission of TPRP, "... the total number of compensatory trees should not be less than that of the lost trees, ... but excluding trees of undesirable species e.g. *Leucaena leucocephala* (銀合歡) which is an undesirable species characterized by its aggressive and invasive growing habits and ability to prevent natural succession of native species."

Therefore all **145** nos. of *Leucaena leucocephala* are proposed to be felled without compensatory planting requirement.

4.1 **Trees Proposed to be Felled (79 nos.)**

Upon reviewing the conditions of all the affected trees within and around the Site, felling is considered only as a last resort after retention in-situ and transplanting have been precluded as no other alternate means can be found as viable to save them.

79 nos. of the individual surveyed existing tree are proposed to be felled based on the following principles:

- Trees in **direct conflict with the proposed development layout** e.g. building footprint, site formation works, the vehicular access, EVA and boundary fence.

- Trees of **unrecoverable health problem and are in poor condition** – The trees possess Poor Form and share common defects such as leaning and imbalanced form. These symptoms cause their structural integrity / stability of these trees and present a potential hazard in the long term.
- Trees require **hard pruning / topping for transplanting** – All of the proposed felling trees are with high branching canopy over 5m and tall trunk structure. Hard pruning/ topping is inevitable in order to have them transported on HK roads imposed by TD’s regulations. This contravenes the requirement of LAO PN 6/2023 that not more than 25% tree crown pruning shall be conducted. Their chance of survival after transplanting becomes exceptionally low if they have to be rigidly pruned.
- **Low survival rate after transplanting** – All trees proposed to be felled are exceptionally low in survival rate after transplanting due to their age, species and intrinsic physiological limitation such as deep root system, inability to easily regenerate new feeder roots and lower resistance to adapt easily to transplanting shock.
- Trees of **low amenity value and very common species** – The trees proposed to be felled are of very common species with low amenity value.

Among the 79 nos. of proposed felling trees, 1 no. of them (T157 *Mangifera indica*) with DBH 1300mm, which it is identified as “Tree of Particular Interest (TPI)”. Based on the felling criteria above, below are the reasons for felling this TPI:

1. This tree is directly conflict with the development layout.
2. Its spread reaches 12m, which requires more than 25% of tree pruning to fulfill the transportation on HK roads, therefore is not feasible for transplanting outside the site.
3. The current development has been utilized the whole site area; therefore on-site transplantation is not feasible.
4. This tree is low survival rate after transplantation.

In view of the above, felling of T157 is unavoidable.

The justifications are summarized in the **Table 1** below (to read in conjunction with the Tree Assessment Schedule in **Appendix B**, Photographic Record of Existing Trees in **Appendix C** and Tree Survey Plan in **Appendix D**).

Table 1: Proposed Tree Felling Schedule

| Proposed Tree Felling Schedule | |
|---|--|
| Tree No. | Justifications for proposed felling of existing trees |
| Please refer to Tree Assessment Schedule in Appendix B for Tree Nos. | <p>145 nos. of <i>Leucaena leucocephala</i> are proposed to be felled without compensation.</p> <p>79 nos. of trees are recommended for <u>Fell</u> in-situ for the following justifications:</p> <ul style="list-style-type: none"> • T157 <i>Mangifera indica</i> with DBH 1300mm, is identified as “Tree of Particular Interest (TPI)”, however due to the below reasons, T157 is proposed to be felled unavoidably: <ol style="list-style-type: none"> a. This tree is directly conflict with the development layout. b. Its spread reaches 12m, which requires more than 25% of tree pruning to fulfill the transportation on HK roads, therefore is not feasible for transplanting outside the site. c. The current development has been utilized the whole site area; therefore on-site transplantation is not feasible. d. This tree is low survival rate after transplantation. |

| | |
|--|--|
| | <ul style="list-style-type: none"> Trees in direct conflict with the proposed development layout e.g. building footprint, site formation works, the vehicular access, EVA and boundary fence. The trees in direct conflict with the proposed development layout due to changes in level between the existing and the proposed layout. They are with: <ol style="list-style-type: none"> Unrecoverable health problem and are in poor condition; Poor form with severe leaning trunk or imbalanced tree form; Low amenity value and common species; Low survival rate after transplanting. |
|--|--|

In summary, please find the following **Table 2** showing the Tree Felling Proposal:

Table 2: Summary of Tree Felling Proposal

| Description | Current Scheme |
|---|----------------|
| Total Nos. of Trees Surveyed | 224 |
| Nos. of <i>Leucaena leucocephala</i> Proposed to be Felled | 145 |
| Nos. of Trees Proposed to be Felled | 79 |
| Aggregated DBH Loss (exclude <i>Leucaena leucocephala</i>) | 25.772m |

5.0 TREE COMPENSATORY PROPOSAL

Major objectives of this current Tree Compensatory Proposal are listed below:

- To enhance greenery within the Site through planting compensatory trees;
- To compensate for the loss of greenery by felling of existing trees;
- To increase the species diversity to enhance greenery within the Site.

To compensate for the loss of greenery, **79 nos.** of compensatory trees are proposed for compensation (Aggregated DBH Compensated is **7.41m**). The compensation ratio is 1:1 in terms of quantity and **1:0.29** in terms of quality. Please refer to **Table 3** and read in conjunction with **Appendix E - Compensatory Tree Planting Plan**.

Table 3: Proposed Compensatory Tree Planting Schedule

| Qty | Botanical Name | Chinese Name | Height (m) | Spread (m) | DBH (m) | Total DBH (m) |
|---------------------------|---|--------------|------------|------------|---------|---------------|
| Compensatory Trees | | | | | | |
| 46 | * <i>Cinnamomum burmannii</i> | 陰香 | 4.5 | 2.5 | 0.095 | 4.37 |
| 5 | * <i>Gordonia axillaris</i> | 大頭茶 | 3 | 2 | 0.09 | 0.45 |
| 7 | <i>Osmanthus fragrans</i> | 桂花 | 3.5 | 2 | 0.09 | 0.63 |
| 14 | <i>Terminalia mantaly</i> | 細葉欖仁 | 5 | 2.5 | 0.095 | 1.33 |
| 5 | * <i>Sapium sebiferum</i> (L.) Roxb. | 烏桕 | 5 | 2.5 | 0.09 | 0.45 |
| 2 | * <i>Viburnum odoratissimum</i> Ker Gawl. | 珊瑚樹 | 3.5 | 1.5 | 0.09 | 0.18 |
| Total | 79 | | | | | 7.41 |

Table 4: Maintenance Schedule

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Watering | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Pruning | | D | GC | | | | | | | | | |
| Fertilizing | soil test | | X | | | | | | | | X | |
| Fungicide / Insecticide | | | X | | | | | | X | | | X |
| Weeding | | X | X | X | X | X | X | X | | X | | X |
| Securing | | | X | | | | | | | | | |
| Thinning | | | EG | | | | | | | | D | |

Remarks: Tree risk assessment will be conducted by future property management at appropriate time for appropriate tree as instructed by the owner in accordance with the Handbook of Tree Management by DEVB.

Schedule Legend:

| | | | | | |
|----|-------------------------------|----|-------------|---|-----------|
| GC | Groundcover | EG | Evergreen | D | Deciduous |
| ● | Size proportional to quantity | X | Application | | |

7.0 SUMMARY OF TREE FELLING AND COMPENSATORY PROPOSAL

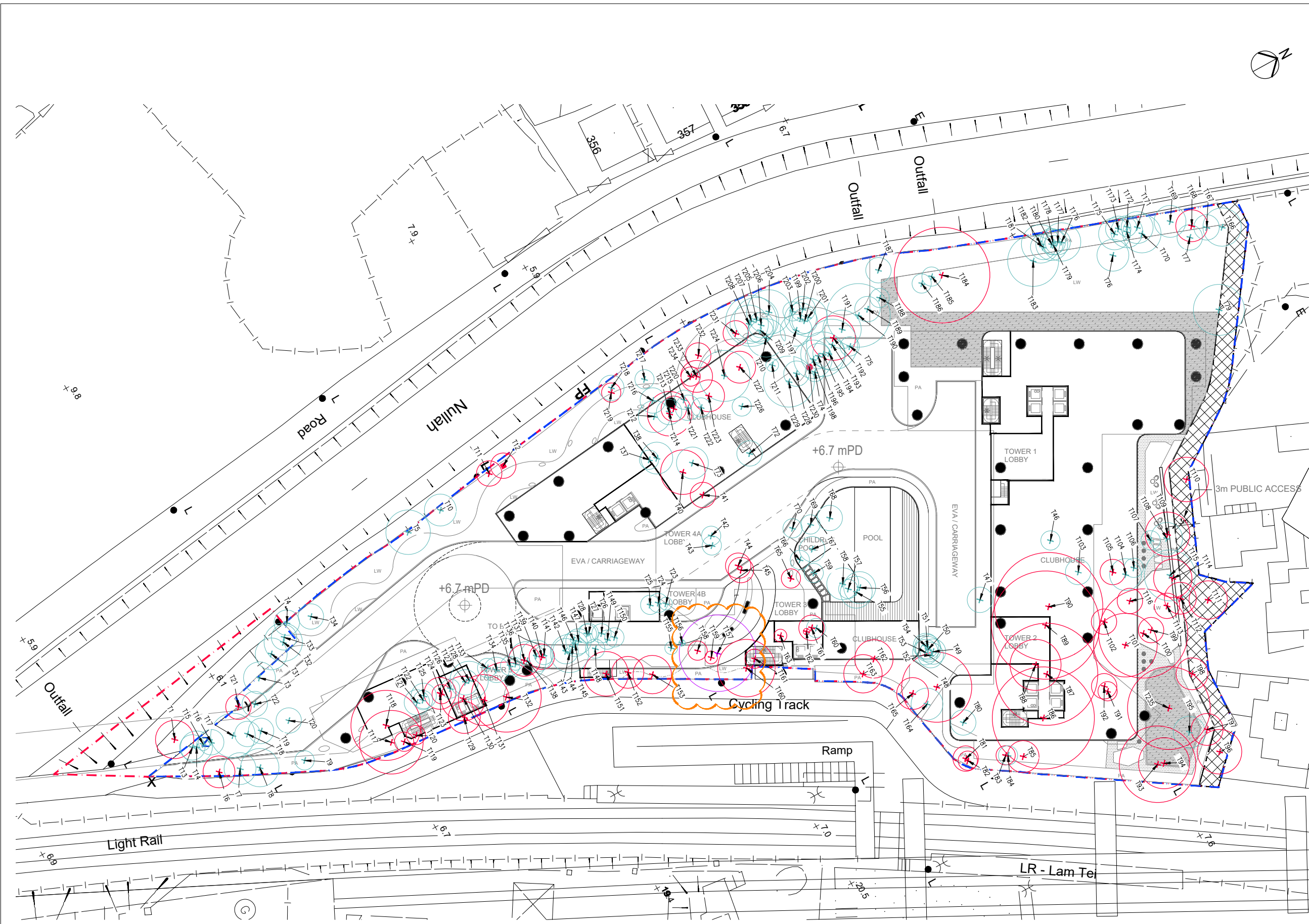
A summary of Tree Felling and Compensatory Proposal in the Current Scheme is shown in **Table 5:**

Table 5: Tree Felling and Compensation Proposal

| Description | Current Scheme |
|---|----------------|
| Total Nos. of Trees Surveyed | 224 |
| Nos. of <i>Leucaena leucocephala</i> Proposed to be Felled | 145 |
| Nos. of Trees Proposed to be Felled | 79 |
| Aggregated DBH Loss (exclude <i>Leucaena leucocephala</i>) | 25.772m |
| Nos. of Compensatory Trees | 79 |
| Aggregated DBH Compensated | 7.41m |
| Compensation Ratio | |
| - In terms of Quantity | 1 : 1 |
| - In terms of Quality | 1 : 0.29 |

APPENDIX D

Tree Survey Plan



- LEGEND:**
- DEVELOPMENT SITE BOUNDARY
 - APPLICATION SITE BOUNDARY
 - REPROVIDED PUBLIC FOOTPATH
 - x 145 Nos. OF EXISTING TREE (*Leucaena leucocephala*) PROPOSED TO BE FELLED
 - x 76 Nos. OF EXISTING TREE PROPOSED TO BE FELLED
 - x T157 IDENTIFIED AS "PARTICULAR OF INTEREST" IS PROPOSED TO BE FELLED
 - 2 Nos. OF EXISTING DEAD TREE

| B | GENERAL REVISED | 11/03/2024 |
|-----|-----------------|------------|
| A | GENERAL REVISED | 27/11/2023 |
| NO. | DESCRIPTION | DATE |

REVISION

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IT IS THE CONTRACTOR'S RESPONSIBILITY TO

- use figure dimension in preference to scaling
- verify all dimensions at the site
- report all discrepancies to the landscape architect and agree before proceeding
- determine location of all existing services prior to excavation

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PROJECT:
 PROPOSED REZONING FROM 'RESIDENTIAL (GROUP B)1' ZONE TO 'RESIDENTIAL (GROUP B)4' ZONE FOR MEDIUM-DENSITY HOUSING DEVELOPMENT TO INCLUDE A FOOTPATH FOR PUBLIC USE AT VARIOUS LOTS AND ADJACENT GOVERNMENT LAND IN DD130, LAM TEI, TUEN MUN

DRAWING TITLE:
 TREE SURVEY PLAN

| | | | |
|--------------|----------|--------------|------------------|
| Scale: | AS SHOWN | Drawing No.: | TSP-01 |
| Date: | 2023 | | |
| Design: | SH | | |
| Drawn: | - | | |
| Checked: | SH | | |
| Project No.: | 2023311 | | REV. B |

A TREE SURVEY PLAN
 SCALE 1:600

APPENDIX E

Compensatory Tree Planting Plan

COMPENSATORY TREE PLANTING LIST

| 項目 Item | 數量 Qty. | 植物學名 / 植物俗名 Botanical Name / Common Name | 植物中名 Chinese Name | 高度 Height (mm) | 冠寬 Spread (mm) | DBH (mm) | 備註 Remarks |
|------------|------------|---|----------------------|----------------------|----------------------|-------------|---------------|
| CB | 46 | <i>Cinnamomum burmannii</i> | 陰香 | 4500 | 2500 | 95 | |
| GA | 5 | <i>Gordonia axillaris</i> | 大頭茶 | 3000 | 2000 | 90 | |
| OF | 7 | <i>Osmanthus Fragrans</i> | 桂花 | 3500 | 2000 | 90 | |
| TM | 14 | <i>Terminalia mantaly</i> | 細葉欖仁 | 5000 | 2500 | 95 | |
| SS | 5 | <i>Sapium sebiferum (L.) Roxb.</i> | 烏桕 | 5000 | 2500 | 90 | |
| VO | 2 | <i>Viburnum odoratissimum Ker Gawl.</i> | 珊瑚樹 | 3500 | 1500 | 90 | |

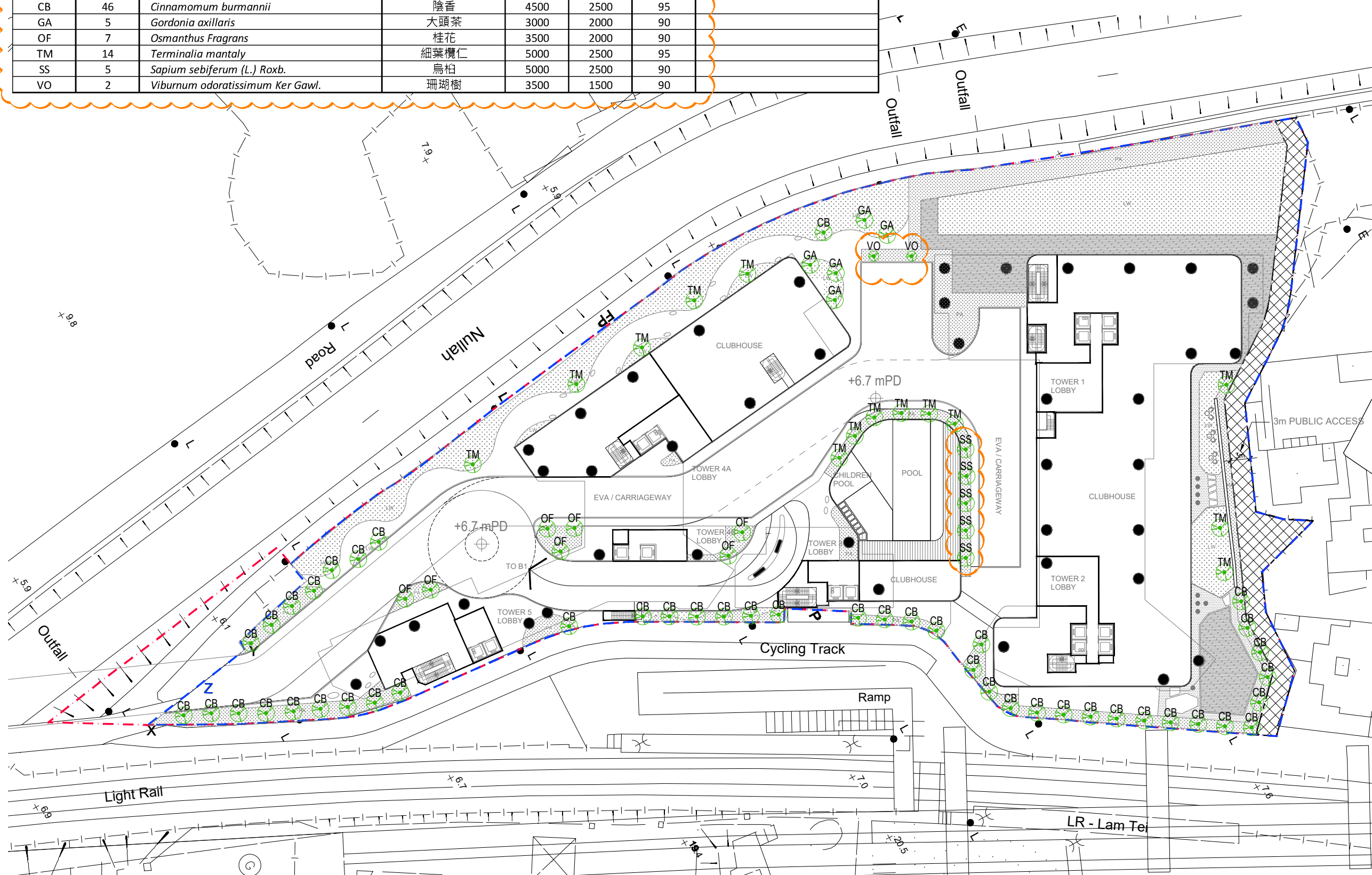
LEGEND:

--- DEVELOPMENT SITE BOUNDARY

--- APPLICATION SITE BOUNDARY

REPROVIDED PUBLIC FOOTPATH

79 Nos. OF PROPOSED COMPENSATORY TREE



GROUND FLOOR

| B | GENERAL REVISED | 11/03/2024 |
|-----|-----------------|------------|
| A | GENERAL REVISED | 27/11/2023 |
| NO. | DESCRIPTION | DATE |

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DRAWING TITLE:
COMPENSATORY TREE PLAN

| | | | |
|--------------|----------|--------------|--------|
| Scale: | AS SHOWN | Drawing No.: | CTP-01 |
| Date: | 2023 | | |
| Design: | SH | | |
| Drawn: | - | | |
| Checked: | SH | | |
| Project No.: | 2023311 | | REV. B |

COMPENSATORY TREE PLAN
SCALE 1:600