Appendix III

Tree Preservation and Landscape Proposal

Planning Application for

Proposed Comprehensive Development Scheme

To include Wedland Restoration Proposal in "OU(CDWRA)" Zone

At North of Kam Pok Road East, Pok Wai, Yuen Long, New Territories

Tree Preservation and Landscape Proposal
1st Submission

by

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1.0 Introduction

1.1 The proposed comprehensive development scheme to include wetland restoration proposal (The Development) is located to the north of Kam Pok Road East, in various Lots in D.D.104, Pok Wai, Yuen Long. This report is prepared in support of the planning application for the proposed development.

1.2 This report describes the concepts and principles underlying the Landscape Master Plan of the proposed development. It describes the proposed residential development and the associated landscape design as well as tree preservation strategies. A more comprehensive package of proposals will be formulated during the detailed design stage of the project.

1.3 This landscape proposal present:

- The existing tree vegetation;
- The Landscape Master Plan;
- Planting Proposal of the development; and
- Proposal for Tree Preservation.

2.0 The Site and Its Context

2.1 The Site is situated to the North of Kam Pok Road East, Pok Wai, Yuen Long. To the farther northwest of the Site is Fairview Park while Kam Tin River located on its farther southwest. It is accessible via Kam Pok Road East to its south which is the main vehicular and pedestrian access to the Site.

2.2 The Site is mainly abandoned fishponds with scattered temporary structures. Majority of the existing trees are growing along the edges of Site, particularly along the west and south boundary. They are generally in semi-mature size and exhibited poor tree form and health conditions. In accordance with the DEVB TCW No. 5/2020 – Registration and Preservation of Old and Valuable Trees and the Forests and Countryside Ordinance, no Old and Valuable Trees (OVTs) and protected species has been identified.

2.3 The landscape character of the Site and its surrounding is mainly low rise residential developments and open storage activities.

3.0 The Proposed Development

3.1 The development proposal comprises a total of **114** housing units, two 2-storey clubhouses, emergency vehicular access (EVA), a wetland area and common landscape areas. Moreover, part of the internal access to private car parks will be located at basement while the driveway at G/F will be utilized for footpath and EVA, and part of the car park is proposed in form of carport. Drawings of the proposed development could be referred to the Master Layout Plan, sections and typical floor plans in the main report of the planning statement.

3.2 According to the Hong Kong Planning Standards and Guidelines (HKPSG), the predicted traffic noise levels at the facades of all noise sensitive uses should not exceed the traffic noise criterion, $L_{10(1\ hour)}$, of 70dB(A). Effective noise mitigation measures had been incorporated into the current layout design. Careful disposition and orientation of the building layout has been carried out in order to minimize the height of noise barriers. In general, the Site will be surrounded by **2.5m** high boundary wall or noise barriers with heights ranging from **4.8m to 10.1m**. The heights of these noise barriers could be reduced once the surrounding open storage activities being replaced by those properly planned "OU(WRA)" developments. Proper landscape treatment will be provided to alleviate the visual intrusion by the noise barriers. The layout and location of noise barriers is illustrated in **Landscape Master Plans** in **Appendix B** respectively.

3.3 As the ground surface within the Site needs to be recontoured and some of the vegetation would be affected by the site formation work. The detailed tree assessment shall refer to the Para 4.0 below. The architectural layout has overlaid on the Tree Survey Plan to illustrate the impact of the development on existing vegetation. The tree survey plan, tree assessment schedule and photographic record of the trees are included in **Appendix A** for reference.

4.0 Existing Vegetation

4.1 A tree survey was carried out on **22 November 2022**. In order to investigate the landscape impact on existing vegetation within the Site and adjoining areas, trees located within 3m from the Site boundary are included in the tree survey. A total of **71** trees including **62** within and **9** outside the Application Site Boundary were recorded. The tree survey and proposed treatment for trees outside the Application Site are for reference only. The tree survey schedule, tree survey plan and photographic record of existing trees are shown in **Appendix A** and are outlined below:

Table 1.0 Species Composition of Existing Trees

Scientific Name	Chinese Name	Quantity	Tree No.
Acacia auriculiformis	耳果相思	1	T37
Artocarpus heterophyllus	菠蘿蜜	1	T113
Bischofia javanica	秋楓	8	T84, T85, T87, T88, T91, T92, T116, T119
Bridelia tomentosa	土蜜樹	1	T120
Clausena lansium	黃皮	1	T64
Dimocarpus longan	龍眼	4	T39, T44, T63, T115
Eucalyptus urophylla	尾葉桉	1	T123
Leucaena leucocephala	銀合歡	31	T01, T04, T06, T07, T08, T09, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T96, T98, T99, T100,

			T101, T105, T106, T108, T109, T110, T111, T112
Liquidambar formosana	楓香	2	T02, T03
Litchi chinensis	荔枝	5	T40, T41, T42, T61, T62
Macaranga tanarius var. tomentosa	血桐	8	T05, T81, T86, T97, T102, T103, T104, T107
Mangifera indica	杧果	1	T43
Melia azedarach	苦楝	4	T53, T82, T114, T118
Sapium sebiferum	烏桕	2	T117, T121
Syzygium cumini	海南蒲桃	1	T122
	Total:	**71**	

4.2 The Site is dominated by *Leucaena leucocephala* 銀合歡 (**31** nos.), *Bischofia javanica* 秋楓 (**8** nos.) and *Macaranga tanarius* 血桐 (**8** nos.) which are common hillside species in Hong Kong. The remaining identified trees like *Dimocarpus longan* 龍眼 (**4** nos.), *Litchi chinensis* 荔枝 (**4** nos.) are also common fruit trees species which are probably planted by the local villagers.

4.3 The health condition of the bulk of these trees is generally in Fair condition (**74.65**%) and the remaining trees are in Poor condition (**25.35**%).

4.4 No Old and Valuable Trees (OVTs) and protected species have been identified in accordance with the DEVB TCW No. 5/2020 – Registration and Preservation of Old and Valuable Trees and the Forests and Countryside Ordinance respectively.

Impact of the Proposed Development

4.5 Impact of the proposed development is generally caused by the site formation works, construction of the internal roads and building, removal of existing vegetation for the build element and the related construction activities, excavation works for E&M reserves and structural footings. The proposed building layout has been overlaid on **Tree Survey Plans in Appendix A** to illustrate the impact on the existing trees.

Retention of Trees

4.6 All **62** surveyed trees within Application Site will be in conflict with the proposed works while **none** of the existing trees outside the Application Site Boundary will be affected by the site formation works. In this proposal, **9** trees outside Site will be preserved in situ (for reference only). The retained trees will be protected and maintained in accordance with the details set out in Section 25 – Landscape Work in the General Specification for Building (2017) and relevant guidelines promulgated by GLTM.

Felling and Transplantation of Trees

4.7 For Trees that will be in conflict with the proposed works shall be proposed to be transplanted if they fulfil all the criteria below:

a. Trees have high amenity value;
b. Trees with good form and health;
c. Suitable access;
d. Tree species able to be transplanted easily;
e. Trees have suitable size and;
f. Trees are young to semi-mature.

4.8 In this project, **none** of the affected trees can fulfil the above criteria and are recommended for transplantation.

4.10 **27** disturbed trees are *Leucaena leucocephala* which is a kind of self-propagated invasive weed species. As their structural stability is low, they are not suitable for transplantation. Therefore, all of them are proposed to be felled.

4.11 **12** fruit trees like **T113** – *Artocarpus heterophyllus*, **T64** – *Clausena lansium*, **T39, T44, T63, T115** – *Dimocarpus longan*, **T40, T41, T42, T61, T62** – *Litchi chinensis*, **T43** – *Mangifera indica* are also in conflict with the proposed works. Due to the nature of fruit tree species, their anticipated survival rate after transplantation is low. Therefore, all of them are proposed to be felled.

4.12 **12** affected trees including **T37** – *Acacia auriculiformis*, **T123** – *Eucalyptus urophylla*, **T05, T81, T86, T97, T102, T103, T104, T107** – *Macaranga tanarius var. tomentosa*, **T117, T121** – *Sapium sebiferum* are common hillside species in Hong Kong. Their root systems are susceptible to environmental change and this renders them a relatively low survival rate after transplantation. Hence, all of these trees are also proposed to be felled.

4.13 The remaining **11** affected trees including **T84, T85, T87, T88, T116, T119** – *Bischofia javanica*, **T120** – *Bridelia tomentosa*, **T53, T114, T118** – *Melia azedarach*, **T122** – *Syzygium cumini* are either in poor tree form or poor health form. Majority of them have exhibited signs of health deterioration. It is very difficult to form a well-balanced form for transplantation. Therefore, all of these trees are proposed to be felled.

4.14 In this project, **62** out of total **71** identified trees are proposed to be felled while none of them are proposed to be transplanted.

4.15 A summary of the tree proposals for the proposed development is presented in Table 3.0 below. Please note that the proposed treatment for trees outside the Application Site is for reference only.

Table 3.0 Summary of Proposed Treatment for Existing Trees

Area	**Number of Trees to be Retained**	**Number of Trees to be Felled**	**Number of Trees to be Transplanted**	**Number of Trees in Survey**
Within Application Site Boundary	0	62	0	62
Outside Application Site Boundary (for reference only)	9 (for reference only)	0	0	9 (for reference only)
Total:	**9**	**62**	**0**	**71**

4.16 As mentioned in **Ecological Impact Assessment (EcoIA)**, some rare and restricted species were found within the Application Site, in accordance with Corlett et al. (2000). Hong Kong vascular plants: distribution and status is summarized as following table. In accordance with EcoIA para. 6.1.16 "However, all species are exotic to Hong Kong and therefore they are not regarded as species of conservation importance. No vascular plant species of conservation importance was recorded within both Application Site and Study Area."

Table 4.0 Summary of Rare and Restricted Species within Site

Scientific Name:	**Origin**
Herb	
Cleome rutidosperma	Exotic

Cyperus involucratus	Exotic
Typha angustifolia	Exotic
Climber	
**Coccinia grandis*	Native
Dioscorea hamiltonii	Native
Eleutherococcus trifoliatus	Native
Shrub	
Ricinus communis	Exotic
Tree	
Dimocarpus longan	Exotic
Litchi chinensis	Exotic

"*Though *Coccinia grandis* was considered very rare by Corlett et al. (2000), it is a food crop species that may be dispersed from villages nearby. Therefore, it is not regarded as a species of conservation importance." Extracted from EcoIA para. 6.1.16.

5.0 Landscape Proposal (Refer to Appendix B)

5.0.1 The aim of the landscape proposals is to respond to site conditions, building form and function of the proposed development and to provide a quality landscape scheme. The main factors to be taken into consideration are:

- Response to the site context, both in terms of landscape character and visual amenity;
- Response to the proposed building and its architectural style;
- Creation of a green setting by maximising the opportunity for soft landscape;
- Co-existence of residential area and wetland as well as promotion of wildlife conservation;
- Establishment of pleasant landscape areas which meet the varying needs of residents and satisfy the recreational requirements of them; and
- Minimization of future maintenance requirements.

5.0.2 Landscape drawings showing the proposed landscape treatment for the proposed development, and their underlying principles have been attached in **Appendix B** for ease of reference.

- Hong Kong Planning Standards and Guidelines;
- Technical Guidelines on Landscape Treatment for Slopes (GEO Publication No. 1/2011);
- Design Manual: Barrier Free Access 2008 (Buildings Department);
- DEVB TCW No. 6/2015 - Maintenance of Vegetation and Hard Landscape Features;
- LAO Practice Note No. 2/2020 - Tree Preservation and Tree Removal Application for Building Development in Private Projects Compliance of Tree Preservation Clause under Lease; and
- BD PNAP APP-152 – Sustainable Building Design Guidelines (2012 version)

5.1 Landscape Design Concept

5.1.1 The landscape concept mentioned below describe considerations, which has been incorporated in the proposed landscape design.

Peripheral Screening Plantation

5.1.2 The Site is surrounded by existing open storages, temporary structures, workshops, villages and road corridors which creates visual and noise impact to the Development. Fence walls (**2.5m** high) and noise barriers (**4.8m to 10.1m** high) will compose of solid walls at base (**2.5m** high) and transparent panels on top are proposed along the Site boundary. The use of transparent panels on top is intended to alleviate the visual impact of the fence walls/ noise barriers. Besides, as the transparent panels may appear invisible to birds or mirrors the facing landscape, mitigation measures, such as using non-glaring and tinted materials, putting falcon stickers on the transparent panels to minimize bird collision due to fence walls/ noise barriers.

5.1.3 Landscape treatment is proposed on fence walls/ noise barriers in order to alleviate their visual intrusion. Screen planting beds ranging from **1.5m to 7.5m** wide are proposed at the outer sides of the fence walls and noise barriers. They will accommodate adequate growing medium for provision of ornamental trees, shrubs, groundcover and climbing plants and will provide a natural transition between the Development and its surrounding environment. Planting will be primary evergreen in nature. Access doors are proposed at regular intervals of the fence walls/ noise barriers as the maintenance access of these proposed planting. Besides, training system is proposed on the continuous solid wall (**2.5m**) along boundary wall and base of noise barriers for the climbing plants which vertical green wall will be established in order to soften the hard lines of these barriers. Please refer to the typical section of noise barrier and fence wall, dwg. No. **LD103 and LD104 in Appendix B**.

Maximization of Greenery along the internal access

5.1.4 In order to soften visually the hard lines of the houses and break down the scale of the building height, opportunities have been explored to provide tree and shrub planting along the internal footpath/ EVA. The development proposal has allowed heavy standard trees to be planted along the house front in order to form a green boulevard along the internal road.

5.1.5 The building layout is characterized by straight and long footpath/ EVA. In order to soften these hard-paved areas as well as to minimize the heat island effect, grass pavers with sufficient loading capacity, i.e. 30 tones, are proposed at various portions of EVA. They will form an effective green cover to these accesses and attains a relatively high common greenery ratio within Site, i.e. **30.15%**.

Partition Fence and Planting within Wetland Restoration Area (WRA)

5.1.6 One of the main design objectives in this project is to create a coexistent environment for both residential development and the Wetland Restoration Area (WRA). It is very important to create a natural interface with sufficient buffer distance ranging from **7.5m to 15.0m** between the built element and wetland areas. Besides, the wetland elements as mentioned in **Annex E 'Wetland Restoration Proposal'** which serves to enhance the biodiversity of the WRA and provide a sufficient buffer between the human and wildlife activities.

5.1.7 Besides, in order to minimize the disturbance of human activities at proposed houses and vehicular access, physical barriers, i.e. **2.5**m and **5.0**m high wooden fences are proposed along the wetland area at interface of proposed vehicular access and houses respectively. At house backyard, a **5.0**m high wooden fence including **2.5**m high wooden trellis and **2.5**m high solid wall is proposed, this will help to alleviate the noise and light impact due to human activities. Similarly, a **2.5**m high wooden fence is proposed between the vehicular access and wetland to minimize the light glare from vehicles. Please refer to wooden fence design, dwg. no. **LD105** and **LD106** in **Appendix B**. The WRA will not be open to the occupants and visitors and only accessible by the maintenance staff, in order to ensure the wildlife within Wetland will not be disturbed by unnecessary human activities.

Planting Design

5.1.8 A majority of proposed plantings will be planted along the internal access, common planting beds, buffer zone in wetland and planting strips along the periphery of the Site. This will help promote a tranquil and harmonic environment for the residents. The use of tree planting in heavy standard size and in good quality would be encouraged to provide a more instant effect.

5.1.9 Where practicable, heavy standard trees, medium shrubs and foliage plants are proposed. These soft landscape measures will ensure that the hard lines of the built form to be visually softened. The use of planting heavy standard sized vegetation would provide a more instant greening effect. Planting Plans shall refer to **Appendix C**.

5.1.10 In order to enhance the local biodiversity, local species or broad-leaf species will be selected for tree planting.

Compensatory Vegetation

5.1.11 The proposed development will require vegetation clearance for construction of the basement, EVA, clubhouses and houses. A number of trees will inevitably be disturbed within the site boundary. The proposal aims to compensate the loss of vegetation, in particular, through the tree planting. Further details of the compensatory planting proposal are in **Section 6.0 and Appendix C**.

5.1.12 **259** new trees with average 80mm DBH are proposed to be planted to compensate the loss of existing trees. **49** of these new trees will be planted within the private houses while **210** are proposed at common landscaped areas. All proposed trees will be maintained by the individual house owners and the future management office of the proposed Development respectively.

5.2 Recreational Facilities

5.2.1 Outdoor recreational facilities are mainly located on roof top of clubhouses. Recreational facilities like children's play area, exercise track, fitness equipment for the adult, open lawn and Tai Chi Garden are provided on these gardens. Besides, in order to facilitate the occupants in this development, several proposed sitting courtyard are scattered at several location for enjoyment of the occupants and visitors. Please refer to Landscape Master Plan, dwg. no. **LMP02** in **Appendix B**.

5.2.2 It is expected that there will be minimum of **342** occupants in the proposed development while the area of the proposed communal open spaces is approx. **680.5** m^2. Hence, the provision of the communal open space can meet the requirement under HKPSG, i.e. 1 m^2 per person. Please refer to the Communal Open Space Calculation in **Appendix D**.

5.3 Common Greenery Provision

5.3.1 The landscape proposal aims to enhance the local greenery within the Application Site. The common greenery calculation is based on BD PNAP-APP 152 – Sustainable Building Design Guidelines the present scheme is shown in the schedule below, and drawing showing the common greenery provision shall refer to dwg. No. **GC01 in Appendix D**.

Table 5.0 Common Greenery Calculation

Site Area:	51,073.30 m^2
Required Common Greenery:	
Required Total Common Greenery	51,073.30 m^2 x 30% = 15,321.99 m^2
Required Common Greenery at Primary Zone	51,073.30 m^2 x 15% = 7,660.995 m^2
Provided Common Greenery:	
Horizontal Planting Area at Primary Zone:	= 9,076.5 m^2
Greenery Features	Grass Pavers: = 7,268.3 x 0.5 = 3,634.15 m^2 Vertical Green Walls (2.5m high): = 1,054.0 x 2.5 = 2,635.0 m^2 Total: = 6,269.15 m^2 (<7,660.995 m^2)
Common Greenery at Primary Zone:	9,076.5 + 6,269.15 = 15,345.65 m^2 (>7,660.995 m^2)
Total Common Greenery:	= **15,345.65 m^2** (>15,321.99 m^2)
Total Greenery Ratio:	15,345,65/51,073.30 x 100% = **30.05%** (>30%)

5.3.2 The proposed planting area at Primary Zone is approx. **15,345.65 m²** which exceeds the required 30% greenery requirement, i.e. 51,073.30 m2 x 30% = **15,321.99 m²** as stipulated in PNAP APP-152 – Sustainable Building Design Guidelines. Besides, all the proposed green area are easily accessible by the public at Primary Zone.

5.4 Soil Depth and Drainage for Planting

5.4.1 The requirement of soil depth is directly related to the planting design and its associated loading requirement upon structure. In general, the soil depth proposed, with all drainage layers, water-proofing and protective screeding exclusive is listed below:

Table 6.0 Planting Medium (Soil Depth)

Planting Type	**Soil Depth (Minimum)**
Tree/ Palm tree	1200mm
Shrub	600mm
Groundcover/ climber	600mm
Turf	300mm

All Planting areas on slab shall be provided with sub-soil drainage system.

5.5 Irrigation

5.5.1 The proposed irrigation system will be by tap water pipe for manual operation. Lockable water points will be provided at 40m centres covering the entire site. The proposed source of water supply is subject to final approval from the Water Services Department.

5.6 Future Maintenance

Hard Landscape Elements

5.6.1 Maintenance for hard landscape elements shall be carried out by management office of the proposed development with maintenance intention as follows:

I – Routine Maintenance (Daily – Weekly)

a. Rubbish and litter removal

b. Sweeping and cleaning

c. Damage inspection and repair for site furniture and light bulb replacement

II – Annual/ Long Term Maintenance

a. Repainting

b. Resurfacing of worn pavements

c. Replacing worn parts site furniture, lighting fixture and other facilities

d. Replacement of worn landscape furniture.

Soft Landscape Element

5.6.2 The softworks contractor will be responsible for maintenance of the planting during the establishment period allowed for in the construction contract, usually for the first year after the beginning of the schemes operational phase. This will ensure that the soft landscape measures are in a healthy condition prior to the finished scheme being handed back to the lot owner.

5.6.3 Ultimately the management office will employ maintenance staff to take care of all landscape areas within the Site.

6.0 PLANTING PROPOSALS (Refer to Appendix C)

6.1 In order to provide quality landscape for the proposed development, soft landscape works will be the major landscape element of the landscape proposal and satisfy the following criteria:

- To compensate the loss of affected trees;
- To screen the residential buildings and reduce the visual impact to the wetland wildlife and nearby residents/ visitors;
- To minimize future maintenance; and
- To be compatible with the surrounding environment.

6.2 The proposed planting species list is shown as follows and details shall refer to the Planting Plans in **Appendix C.**

Table 7.0 Proposed Planting Schedule at Residential Area

Botanical Name	Chinese Name	Size (mm)	Spacing (mm)	Native/ Exotic
TREES		**Height x Spread x DBH (mm)**		
Bauhinia purpurea	紅花羊蹄甲	5000x2000x80	4000	Native
Bauhinia blakeana	洋紫荊	4500x2000x80	4000	Native
Elaeocarpus chinensis	中華杜英	3500x1750x80	4000	Native
Liquidambar formosana	楓香	6000x2000x80	4000	Native
Sterculia lanceolata	假蘋婆	5500x2000x80	4000	Native
Hibiscus tiliaceus	黃瑾	3500x1750x80	4000	Native
Osmanthus fragrans	桂花	5000x2000x80	4000	Exotic
Sapium discolor	山烏桕	6000x2000x80	4000	Native
Michelia chapensis	樂昌含笑	6000x2000x80	4000	Native
Viburnum odoratissimum	珊瑚樹	6000X2000X80	4000	Native
SHRUBS		**Height x Spread (mm)**		
Allamanda cathartica 'Allamanda'	軟枝黃蟬	400x400	300	Exotic
Codiaeum variegatum 'Glorisa'	紅葉洒金榕	450x400	300	Exotic
Duranta repens 'Golden'	黃金金露花	300x250	250	Exotic
Ixora chinensis	龍船花	500x450	300	Native
Murraya paniculata	九里香	550x500	450	Exotic
Philodendron selloum	春羽	500x500	500	Exotic
Rhapis humilus	小葉棕竹	750x400	400	Exotic
Iris tectorum	鳶尾	450x300	250	Exotic
Schefflera arboricola	鵝掌藤	450x300	250	Exotic
Rhodomyrtus tomentosa	桃金娘	500x450	450	Native

Rhapis excelsa	棕竹	500x450	400	Native
Sansevieria trifasciata	金邊虎尾蘭	500x450	400	Exotic
GROUNDCOVERS		**Height x Spread (mm)**		
Dieffenbachia picta	白班萬年青	500x350	300	Exotic
Hymenocallis littoralis	蜘蛛蘭	400x500	300	Exotic
Nephrolepis auriculata	腎蕨	250x150	150	Native
Nephrolepis exaltata 'Bostoniensis'	波士頓蕨	500x300	250	Exotic
Setcreasen purpurea	紫錦草	300x300	300	Exotic
CLIMBING PLANT		**Height x Spread (mm)**		
Bauhinia glauca	羊蹄甲藤	900 x 300	500	Native
Parthenocissus himalayana	爬牆虎	1000 x 300	500	Exotic
GRASS				
Zoysia japonica	朝鮮草	-	-	Exotic

Planting Proposal within WRA (details subject to comments from relevant parties)

6.3 For the WRA, the planting proposal for reed bed, water zones, submerged planting area and tree groups shall refer to **Annex E 'Wetland Restoration Proposal'** for relevant parties' comments in the same application. The proposed planting list of WRA as included in **Annex E** has been shown in following table for reference.

Table 8.0 Planting Arrangement for WRA

Wetland Elements	Plant Species
Reedbeds	Common Reed *Phragmites australis*
Deep water and medium depth zones	Submerged Plant *Vallisneria natans* *Rotala indica* *Rotala rotundifolia*

6.4 Total **2.02 ha** of tentative wetland elements, i.e. approx. **39.6%** of the Application Site is proposed within WRA. It comprises of different elements to provide variety of microhabitats i.e. water zones with different water depth, wood log, island, submerge plant, planting buffer, tree group and reedbed.

6.5 In this study area, a total of **71** trees including **62** within and **9** outside Application Site Boundary have been recorded. All of the **9** outside trees are proposed to be retained while **62** on-site ones will be felled due to the proposed development and the associated works.

6.6 **259** heavy standard trees with average DBH approx. 80mm are proposed to compensate the loss of existing trees. They will be planted at the common landscape areas, peripherical planting strips and roadside planting verge within the site boundary. All the trees within the lot boundary will all be maintained by the future management office of the proposed development.

6.7 Upon the above, our proposal can provide the compensation in terms of quality and quantity as shown as follows:

Quantity of loss of trees:	62 nos.
Accumulated DBH loss of trees:	12.058 m
Quantity of compensatory Trees	259 nos.
Quantity compensation ratio	1:4.17
DBH compensation	20.72m
DBH compensation ratio	1:1.72

7.0 PROPOSAL FOR TREE PRESERVATION

7.1 In this project, **9** trees outside the Site (for reference only) will be retained in-situ. The following measures should be undertaken for the preservation and protection of existing trees in surrounding areas:

7.2 In order to determine the impact to the existing vegetation by the proposed development, a full Tree Felling Application in accordance with DEVB TCW No. 6/2015 "Maintenance of Vegetation and Hard Landscape Features" and LAO Practice Note No. 2/2020 "Tree Preservation and Tree Removal Application for Building Development in Private Projects Compliance of Tree Preservation Clause under Lease" should be undertaken and submitted to the relevant Government departments for approval.

7.3 It is proposed that unaffected trees are to be retained on site due to their amenity and conservation value. The contractor will need to be made aware of the need to minimize the encroachment of the construction works on the trees. The area under the drip line of the tree canopy will be fenced by 1.2m high temporary protective fencing during construction stage. Besides, all provisions for tree preservation and protection measures of retained trees should follow the details in Section 25 – Landscape Work in the General Specification for Building (2017).

7.4 Appropriate protection to these trees, e.g. wrapping of the tree stems with protective cover will be adopted during the construction process. As a precautionary measure and only if necessary, pruning of branches of existing trees identified for retention will be on an absolute need basis and strictly adhere to the principle of crown thinning in maintaining their form and amenity value. The tree preservation works will be implemented by approved Landscape Contractors and inspected and approved on site by a qualified Landscape Architect. The site situation will be carefully monitored, including the key stages in the preparation of the trees, the implementation of protection measures and health monitoring throughout the construction period. A tree protection specification would be included within the contract document.

7.5 The softworks contractor will be responsible for maintenance of the planting during the establishment period allowed for in the construction contract, usually for the first year after the beginning of the schemes operational phase. This will ensure that the soft landscape measures within lot boundary and at open space are in a healthy condition prior to the finished scheme being handed back to management office of the site.

8.0 LANDSCAPE IMPACT ASSESSMENT (REFER TO APPENDIX E)

8.1 INTRODUCTION

8.1.1 The development proposal comprises of a total of **114** housing units, two 2-storey clubhouses, emergency vehicular access (EVA), a wetland area and common landscape areas. Drawings of the proposed development could be referred to the Master Layout Plan, sections and typical floor plans attached in the Main Report of the Planning Statement.

8.1.2 The landscape proposal for the Proposed Development integrates a design that will provide **30.15%** greenery coverage on the Site with all greenery at Primary Zone, which exceeds the minimum standard of 30% suggested in the BD APP-152. Besides, approx. **2.02ha** (approx. **39.6%** of the Application Site) is planned for the WRA.

8.1.3 This LIA evaluates the landscape compatibility and degree of impacts of the Proposed Development on the existing Landscape Resources ("LR") and Landscape Character Areas ("LCA"). Reference has been made to the "Landscape Value Mapping of Hong Kong" Report in defining the various LRs and LCAs. It is understood that different individual small LRs have their unique landscape value, and that when they come together they can form larger individual LCAs that define the character of a wider geographic area, that my be unique from other surrounding LCAs.

8.2 SCOPE AND CONTENT OF THE LA

Assessment Area

8.2.1 The Assessment Area covers the LRs and LCAs within a 500m radius of the Application Site as illustrated in Drawing No. **8.1** and **8.2** in **Appendix E.**

Assessment Methodology

8.2.2 The methodology is based on an evaluation of the landscape sensitivity and the magnitude of impact of the Proposed Development compared with the existing baseline condition.

Landscape Sensitivity

8.2.3 The degree of sensitivity is determined by the properties of the landscape. Factors which affect the sensitivity include the quality of LR / LCA; importance and rarity of special landscape elements; ability of the landscape to accommodate change; significance of the change in the local and regional context; and the maturity of the landscape.

The sensitivity for identifying the LRs and LCAs is classified from High, Medium to Low.

Table 8.1 Sensitivity of LRs and LCAs

Degree of Sensitivity	Description
High	Important landscape resource or landscape characterized as distinctive or highly important, sensitive to relatively small changes
Medium	Moderately valued landscape characteristics which are reasonably tolerant to change
Low	Landscape resource or landscape which is highly tolerant to change

Magnitude of Impact

8.2.4 The magnitude of the impact is the degree of intrusion on the landscape elements. Factors which affect the magnitude of impact include compatibility of the Project with the surrounding landscape, duration of impacts (including whether it is temporary or permanent), scale of the development and reversibility of the change.

8.2.5 The magnitude of impact is classified as follows:

Table 8.2 Magnitude of Impact

Magnitude of Impact	**Description**
Large	Landscape elements will experience a major change
Intermediate	Landscape elements will experience a moderate change
Small	Landscape elements will experience a slight change
Negligible	Landscape elements will experience no discernible change

Impact Significance Without and With Mitigation Measures

8.2.6 Based on the landscape sensitivity and the magnitude of impact, a matrix is derived to assess the impact on the identified landscape elements. The significance threshold of landscape impacts is based on the following classification:

Table 8.3 Impact Significance

Magnitude of Impact	Sensitivity of Landscape Resource / Landscape Character Area		
	High	Medium	Low
Large	Substantial	Moderate / Substantial	Moderate
Intermediate	Moderate / Substantial	Moderate	Slight / Moderate
Small	Moderate	Slight / Moderate	Slight
Negligible	Insubstantial	Insubstantial	Insubstantial

8.2.7 The description for the impact significance is as follows:

Substantial – If the Proposed Development will in overall terms create adverse / beneficial impact which will cause significant deterioration / improvement to the existing landscape quality

Moderate – If the Proposed Development will in overall terms create adverse / beneficial impact which will cause noticeable deterioration / improvement to the existing landscape quality

Slight - If the Proposed Development will in overall terms create adverse / beneficial impact which will cause a perceivable deterioration / improvement to the existing landscape quality

Insubstantial – If the Proposed Development will in overall terms create adverse / beneficial impact which will cause barely discernible deterioration / improvement to the existing landscape

Landscape Impact Classification

8.2.8 The landscape impact may be classified into 5 categories: beneficial; acceptable; acceptable with mitigation measures; unacceptable or undetermined.

8.3 BASELINE STUDY

8.3.1 The baseline LRs that will be potentially affected are described in Sub-sections **8.3.2** to **8.3.12**. The sensitivity to change for each of the LR will also be explained. The locations and images of key LRs are illustrated in Figures **8.3** to **8.5**, respectively.

Landscape Resources Within the Application Site

LR1.1 (On-Site) – Wetland

8.3.2 This LR includes the entire Application Site, and has an area of approx. **51,073.30** m^2/ **6.81%** of the total Assessment Area. This LR is mainly abandoned fishponds with scattered temporary structures with low amenity value. A total of **62** trees are growing within the Application Site. All of them are proposed to be felled as a result of the Proposed Development. All trees are common species and no Old and Valuable Trees (OVT) and protected species were found on or within proximity to the Site. Although this LR comprises of several large abandoned water ponds, it is only part of the larger wetland system in the region. This context makes this LR more tolerant to change and thus the sensitivity of this LR is **medium**.

Landscape Resources Outside the Application Site

LR1.2 (Off-Site) – Wetland

8.3.3 This LR has an area of **116,878.7**m^2/ **15.59%** of the total Assessment Area. It represents the active/ abandoned fish ponds occupied by the local villagers. This LR comprises vegetation on pond bunds dispersed throughout the Assessment Area. The sensitivity of this LR is **medium**.

LR2 – Open Storage

8.3.4 This LR represents the open storages, godown, temporary/ permanent structures (e.g. Honour Logistics, Aircargo Security Screening Centre Limited) at the southern and northern portion of the Assessment Area. This LR has an area of **223,692**m^2/ **29.83%** of the total Assessment Area. Given this LR is man-made resources, with low amenity value, the sensitivity of this LR is **Low**.

LR3 - Villages

8.3.5 This LR consists of several villages (e.g. Wing Kei Tsuen, Long Ha) and the associated agricultural fields and disturbed areas which occupies an area of approx. **97,322**m^2/ **12.98%** of the total Assessment Area. Given that the landscape at village areas comprises mainly the fruit trees and crops, the sensitivity of this LR is **Low**.

LR4 – Low Rise Mixed Residential/ Commercial

8.3.6 This LR represents clusters of mix residential and commercial uses (e.g. Villa Camellia, Fairview Park) located north of the Application Site. This LR has an area of approximately **148,975**m^2/ **19.87%** of the total Assessment Area. Given this resource is highly urbanized, the sensitivity of this LR is considered to be **Low** due to its ability to tolerate change.

LR5 – Main Road

8.3.7 This LR represents major road distributors, e.g. San Tin Highway that runs north to south and situated to the east of the Application Site. It is approximately **67,272**m^2/ **8.97%** of the total Assessment Area. However, this LR is man-made road with vegetated road embankment along the side of the roads, thus the sensitivity of this LR is **Low**.

LR6 – Drainage Channel

8.3.8 This LR represents the water channels to the west of the Application Site which occupies an area of approximately **44,558**m^2/ **5.94%** of the total Assessment Area. Given that the open nullah is man-made and contains very few plantation along the side of the nullah, thus the sensitivity of this LR is **Low**.

Landscape Character Areas

8.3.9 **3** LCAs are identified within the Assessment Area. The location and the extent of the LCAs are demonstrated in Figures **8.6** and **8.7**. Each of the LCAs and their sensitivity to change are described below:

LCA1 – Miscellaneous Rural Fringe Landscape

8.3.10 This LCA represents the Application Site, the active/ abandoned fish ponds, vegetation on pond bunds, cottages, villages and road corridors in surroundings. This LCA possess medium amenity value as representative feature in the region due to its historical relevance of the fish cultivation industry in Hong Kong. This LCA has an area of approximately **347,481.0**m^2/ **44.24%** of the total Assessment Area. Due to the extent of the landscape area, the sensitivity of this LCA to change is **medium**.

LCA2 – Rural Coastal Plain Landscape

8.3.11 This LCA consists of several villages occupies an area of **283,503**m^2/ **36.10%** of the total Assessment Area. Given the landscape of the LCA is mainly fruit trees, agricultural fields, open storages, godowns and the extent of this LCA is relatively small. The sensitivity of this LCA is **low**.

LCA3 – Comprehensive Residential Development Landscape

8.3.12 This LCA represents the residential/ commercial/ institutional development in the region. This mainly refers to the build-up urban areas including residential buildings, retail, schools and ancillary recreational areas of large residential development. This LCA has an area of approximately **154,413**m^2/ **19.66%** of the total Assessment Area. The sensitivity of this LCA is **low**.

8.4 POTENTIAL SOURCES OF IMPACTS

Potential Sources of Impacts

8.4.1 Sources of potential landscape impacts during construction of the Proposed Development include the following sources:-

- Tree Felling and Transplanting;
- Excavation Works;
- Construction of New Building.

8.4.2 Sources of potential landscape impacts during operation of the Proposed Development include the following sources;-

- Physical structure of the Proposed Development;
- Noise;
- Lighting; and
- Landscaping works (including new tree planting and soft and hard landscaping works).

8.5 IMPACT ASSESSMENT

Nature and Magnitude of Landscape Impact Without Mitigation

8.5.1 The nature and magnitude of the landscape impact on the identified LRs and LCAs without the implementation of mitigation measures that will occur are explained and summarized below (Table 8.4 refers for details).

Landscape Resources

LR1.1 (On-Site) – Wetland

8.5.2 This LR includes the entire Application Site, and has an area of approx. **51,073.30** m^2/ **6.81%** of the total Assessment Area. This LR is mainly abandoned fishponds with scattered temporary structures with low amenity value. There are total **62** trees growing within the Application Site. All of them are proposed to be felled as a result of the Proposed Development. All trees are common species and no Old and Valuable Trees (OVT) and protected species were found on or within proximity to the Site.

8.5.3 The Proposed Development aims to provide a co-existence of wetland restoration area and residential development. By locating the vehicular access and parking provision at basement floor, wetland restoration area, residential building, greenery and open spaces provision can be provided at outdoor environment. Besides, total **259** nos. of heavy standard trees are proposed for the Proposed Development. Given there will be a net loss of about **2.96 ha** abandoned fishponds with the Application Site, the magnitude of impact by the Proposed Development is considered **intermediate** and thus the landscape impact is considered **moderate**. As the Proposed Development is expected to enhance the quality of wetland and the Proposed Development has provided the high greenery ratio, i.e. **30.15%**, creation of high-quality wetland, i.e. approx. **2.02 ha**, open space provision, compatible architectural design, etc, the impact is considered **acceptable with mitigation measures**.

LR1.2 (Off-Site)– Wetland

8.5.4 This LR has an area of **116,828.70**m^2/ **15.59%** of the total Assessment Area. It represents the active/ abandoned fish ponds occupied by the local villagers. The Proposed Development will has some physical implications on this LR for several water ponds at the interface to the project boundary. As the disturbed LR is confined to those abandoned fish ponds, thus the magnitude of impact is **small** and the impact significant is **Slight**.

LR2 – Open Storage

8.5.5 This LR approximately represents **223,692**m^2/ **29.83%** of the total Assessment Area and represents mostly the open storages, vehicular access and godown at the southern and northern portion of the Assessment. Given that these areas are man-made with rare greenery and the Proposed Development has no effect on the context of these areas, the impact is **negligible** and the impact significance is **insubstantial**.

LR3 - Villages

8.5.6 This LR consists of several villages (e.g. Wing Kei Tsuen, Long Ha) which occupies an area of approx. **97,322**m^2/ **12.98%** of the total Assessment Area. The existing villages are not located within immediate vicinity of the Site and will have no discernible impact. Thus, the magnitude of impact is **negligible** and the impact significance is **insubstantial**.

LR4 – Low Rise Mixed Residential/ Commercial

8.5.7 This LR represents clusters of mix residential and commercial uses (e.g. Villa Camellia, Fairview Park) located north of the Application Site. This LR has an area of approximately **148,975**m^2/ **19.87%** of the total Assessment Area. Screen planting beds ranging from 2.0m to 10.0m wide are proposed at the outer sides of the fence walls and noise barriers which provide smooth transition between the Proposed Development and the adjoining residential/commercial development. Besides, the Proposed Development is low-rise buildings with high ratio of greenery which is not incompatible with the existing low-rise development in surroundings. Thus, the magnitude of impact is **negligible,** and the impact significance is **insubstantial**.

LR5 – Main Road

8.5.8 This LR represents major road distributors, e.g. San Tin Highway that runs north to south and situated to the east of the Application Site. It is approximately **67,272**m^2/ **8.97%** of the total Assessment Area. As the San Tin Highway is not located far from the Application Site, there will be **negligible** impact inflicted upon this LR and thus the impact significance is **insubstantial**.

LR6 – Drainage Channel

8.5.9 This LR represents the water channels to the west of the Application Site which occupies an area of approximately **44,558**m^2/ **5.94%** of the total Assessment Area. This LR has low sensitivity and is not located within immediate vicinity to the Proposed Development, thus the magnitude of impact is **negligible,** and the impact significance is **insubstantial**.

Landscape Character Areas

LCA1 – Miscellaneous Rural Fringe Landscape

8.5.10 This LCA represents the active/ abandoned fish ponds, vegetation on pond bunds, cottages, villages and road corridors in surroundings. This LCA has an area of approximately **347,481.0**m^2/ **44.24%** of the total Assessment Area. The Proposed Development will only impact a minor portion of the LCA. Various design methods will be implemented in order to blend the Proposed Development into its surroundings, such as through the use of appropriate architectural design, peripherical plantings and high ratio of greenery. By reproviding the WRA within the Proposed Development and integrating landscaping where possible, the magnitude of impact of this LCA is **small** and the impact significance is **slight**.

LCA2 – Rural Coastal Plain Landscape

8.5.11 This LCA refers to villages, the disturbed areas, open storage, godown which occupies an area of approximately **283,503.0**m^2/ **36.10%** of the total Assessment Area. Given the distance and orientation of these uses to the Application Site, there will be **negligible** impact inflicted upon this LCA and thus the impact significance is **insubstantial**.

LCA3 – Comprehensive Residential Development Landscape

8.5.12 This LCA represents the clusters of mix residential and commercial uses located north of the Application Site, which has an area of approximately **154,413**m^2/ **19.66%** of the total Assessment Area. Given the compatibility of the low-rise residential buildings, high ratio of greenery and wetland areas, the magnitude of impact is **negligible,** and the impact significance is **insubstantial.**

Table 8.4 Significance of Landscape Impacts

Item	Landscape Resource/ Landscape Character	Sensitivity to Change (Low, Medium, High)	Magnitude of Impact without Mitigation (Negligible, small, intermediate, large)	Impact Significance Without Mitigation (Insubstantial, slight, moderate, substantial)	Recommended Enhancement Measures
Section 1 – Landscape Resources					
On-Site Landscape Resources					
LR1.1	Wetland	Medium	Intermediate	Moderate	EM1, EM2, EM3, EM4
Off-Site Landscape Resources					
LR1.2	Wetland	Medium	Small	Slight	None
LR2	Open Storage	Low	Negligible	Insubstantial	None
LR3	Villages	Low	Negligible	Insubstantial	None
LR4	Low-Rise Mixed Residential/ Commercial	Low	Negligible	Insubstantial	None
LR5	Main Road	Low	Negligible	Insubstantial	None
LR6	Drainage Channel	Low	Negligible	Insubstantial	None
Section 2 – Landscape Character Areas					
LCA1	Miscellaneous Rural Fringe Landscape	Medium	Small	Slight	EM1, EM2, EM3, EM4
LCA2	Rural Coastal Plain Landscape	Low	Negligible	Insubstantial	None
LCA3	Comprehensive Residential Development Landscape	Low	Negligible	Insubstantial	None

8.6 Enhancement Measures

8.6.1 Given the low-rise nature of the Proposed Development, the associated landscaping and wetland rehabilitation proposals and design which blends into the existing wetlands, no situations of adverse landscape impact are identified.

8.6.2 Although no mitigation measures are necessary, various measures are proposed to further enhance the beneficial landscape impact generated by the Proposed Development. A List of Proposed Enhancement Measures is tabulated in **Table 8.5** below Enhancement Measures 1 to 4 are demonstrated in the Landscape Master Plan in Drawing no. **8.8**.

Table 8.5 – Proposed Landscape Enhancement Measures

Item	Landscape Enhancement Measures	Objectives of the Recommended Measures and Main Concerns
EM1	Compensatory tree planting to be high in amenity value, retaining of existing trees unaffected by construction and transplanting trees as appropriate.	To maximize landscape amenity value.
EM2	Provision of EVA with grass pavers	To maximise green cover when seen from surrounding residential or commercial buildings, to provide greening effect on the facades
EM3	Provision of Vertical Green Walls on Fence Walls/ Noise Barrier	To soften the hard lines of the proposed fence walls and noise barriers and provision of visual screen for traffic along the Main Road
EM4	Provision of Wetland Restoration Area (WRA)	To provide a well-controlled, high quality wetlands to compensate for the loss of wetlands

8.7 CONCLUSION

8.7.1 Details of the Landscape Impact Assessment are tabulated in **Table 8.4** and are also summarized below. No adverse landscape impacts are identified due to the Proposed Development. Yet, it will help to enhance amenity value of the local Pok Wai and overall landscape impacts within the Assessment Area will be positive.

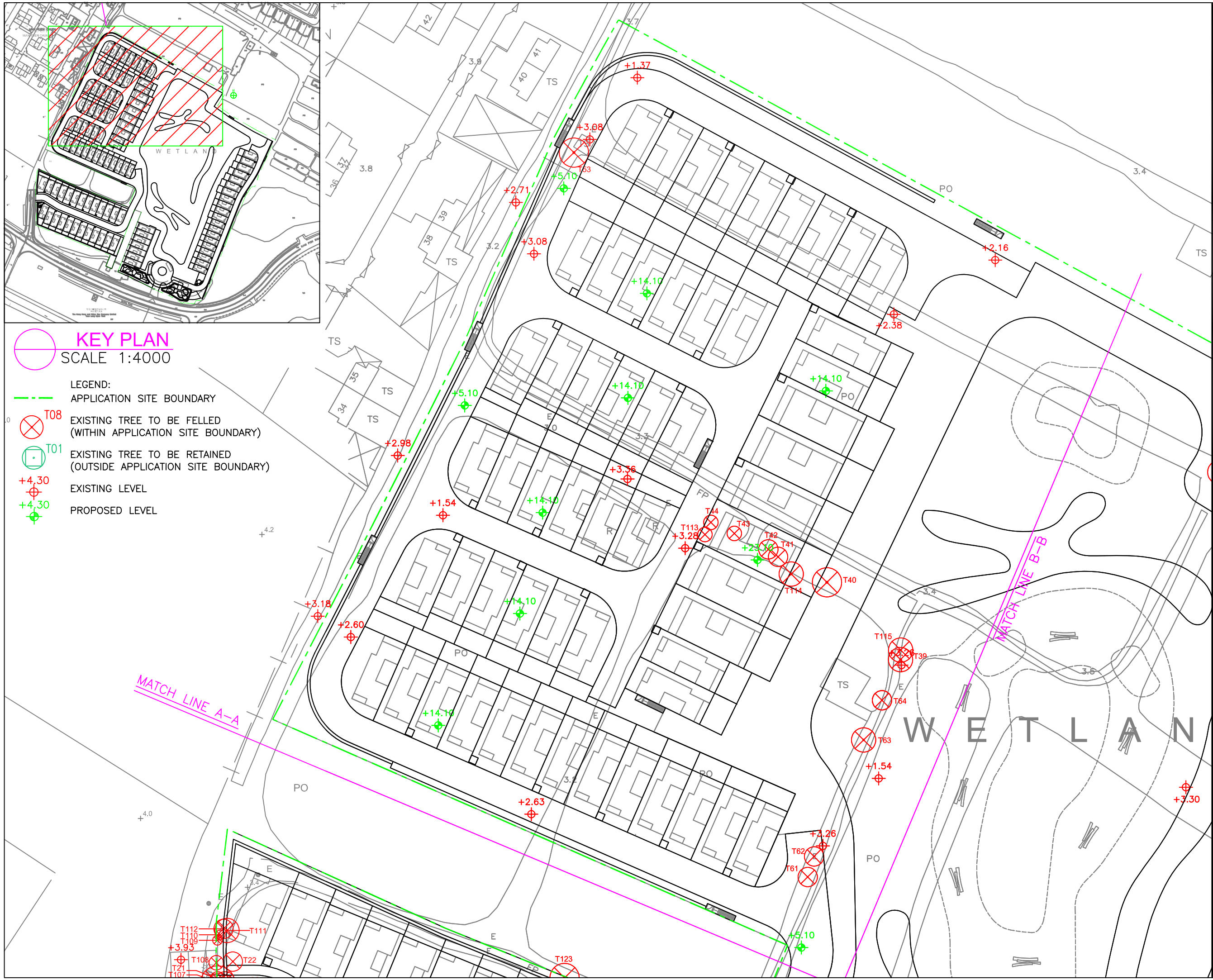
8.7.2 The Proposed Development will render positive landscape impacts on many LRs and LCAs, and the effective implementation of mitigation measures for LRs and LCAs will mitigate the slight degree of adverse impact on the few cases where identified.

Appendix A

Tree Schedule, Tree Survey Plan

And

Photographic Record of Existing Trees



PROJECT :

PLANNING APPLICATION FOR PROPOSED COMPREHENSIVE DEVELOPMENT SCHEME TO INCLUDE WETLAND RESTORATION PROPOSED IN "OU(CDWRA)" ZONE AT NORTH OF KAM POK ROAD EAST, POK WAI, YUEN LONG, NEW TERRITORIES

DRAWING TITLE :

TREE SURVEY PLAN (SHEET 1 OF 4)

PROJECT No. C1920

DRAWING No. TS01

SCALE : 1:700

DATE OF ISSUE : MAR 2020

CAD FILENAME : C1920–TS01

REV	DESCRIPTION	DATE

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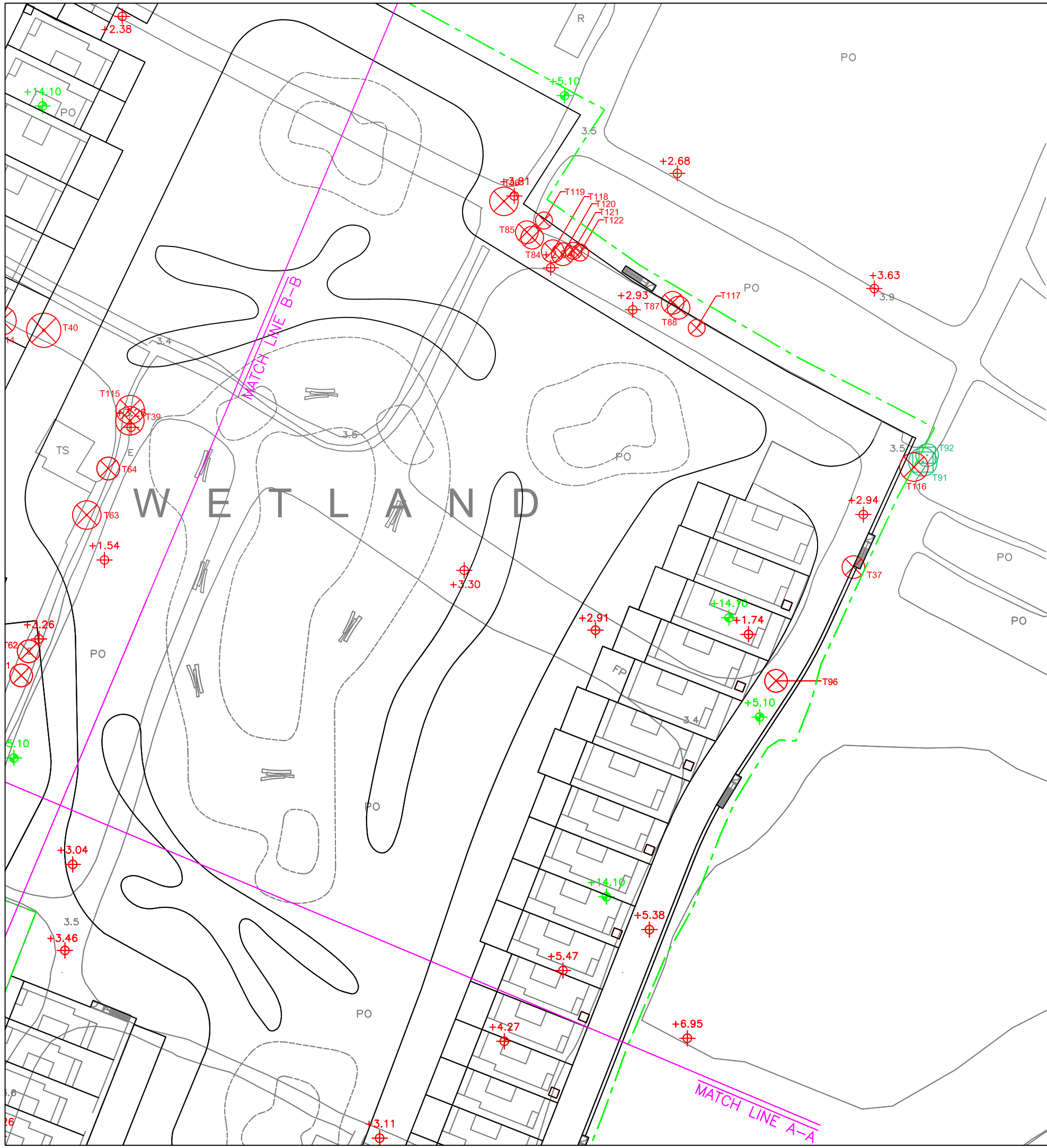

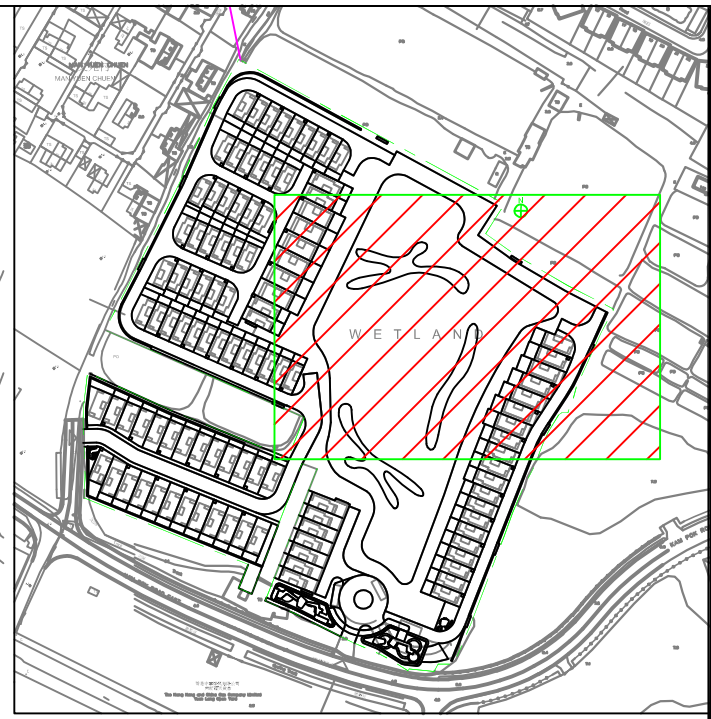

KEY PLAN
SCALE 1:4000

LEGEND:

- APPLICATION SITE BOUNDARY
- T08 EXISTING TREE TO BE FELLED (WITHIN APPLICATION SITE BOUNDARY)
- T01 EXISTING TREE TO BE RETAINED (OUTSIDE APPLICATION SITE BOUNDARY)
- +4.30 EXISTING LEVEL
- +4.30 PROPOSED LEVEL

PROJECT :

PLANNING APPLICATION FOR PROPOSED COMPREHENSIVE DEVELOPMENT SCHEME TO INCLUDE WETLAND RESTORATION PROPOSED IN "OU(CDWRA)" ZONE AT NORTH OF KAM POK ROAD EAST, POK WAI, YUEN LONG, NEW TERRITORIES

DRAWING TITLE :

TREE SURVEY PLAN (SHEET 2 OF 4)

PROJECT No. C1920

DRAWING No. TS02

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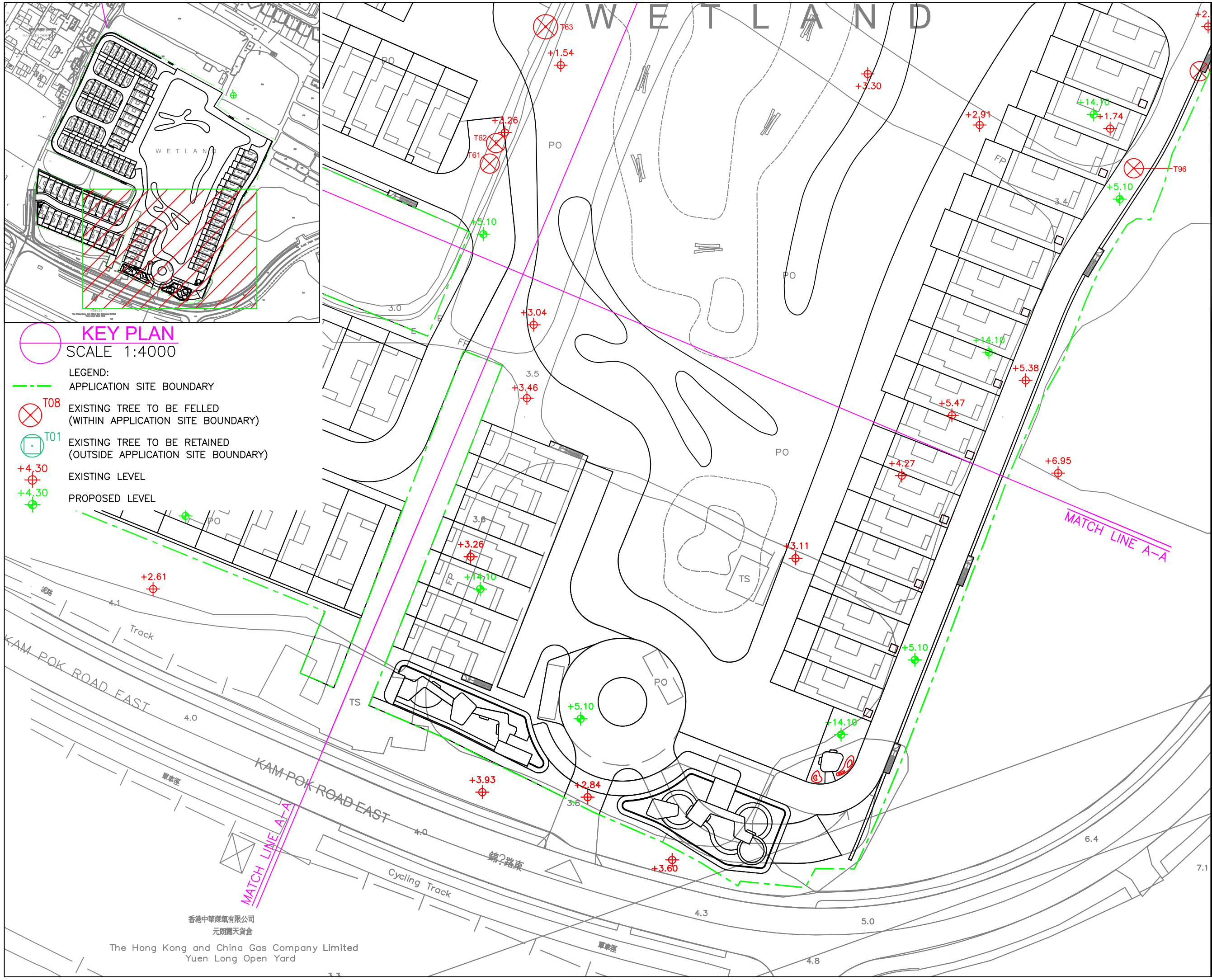

PROJECT :

PLANNING APPLICATION FOR PROPOSED COMPREHENSIVE DEVELOPMENT SCHEME TO INCLUDE WETLAND RESTORATION PROPOSED IN "OU(CDWRA)" ZONE AT NORTH OF KAM POK ROAD EAST, POK WAI, YUEN LONG, NEW TERRITORIES

DRAWING TITLE :

TREE SURVEY PLAN (SHEET 3 OF 4)

PROJECT No. C1920

DRAWING No. TS03

SCALE : 1:700

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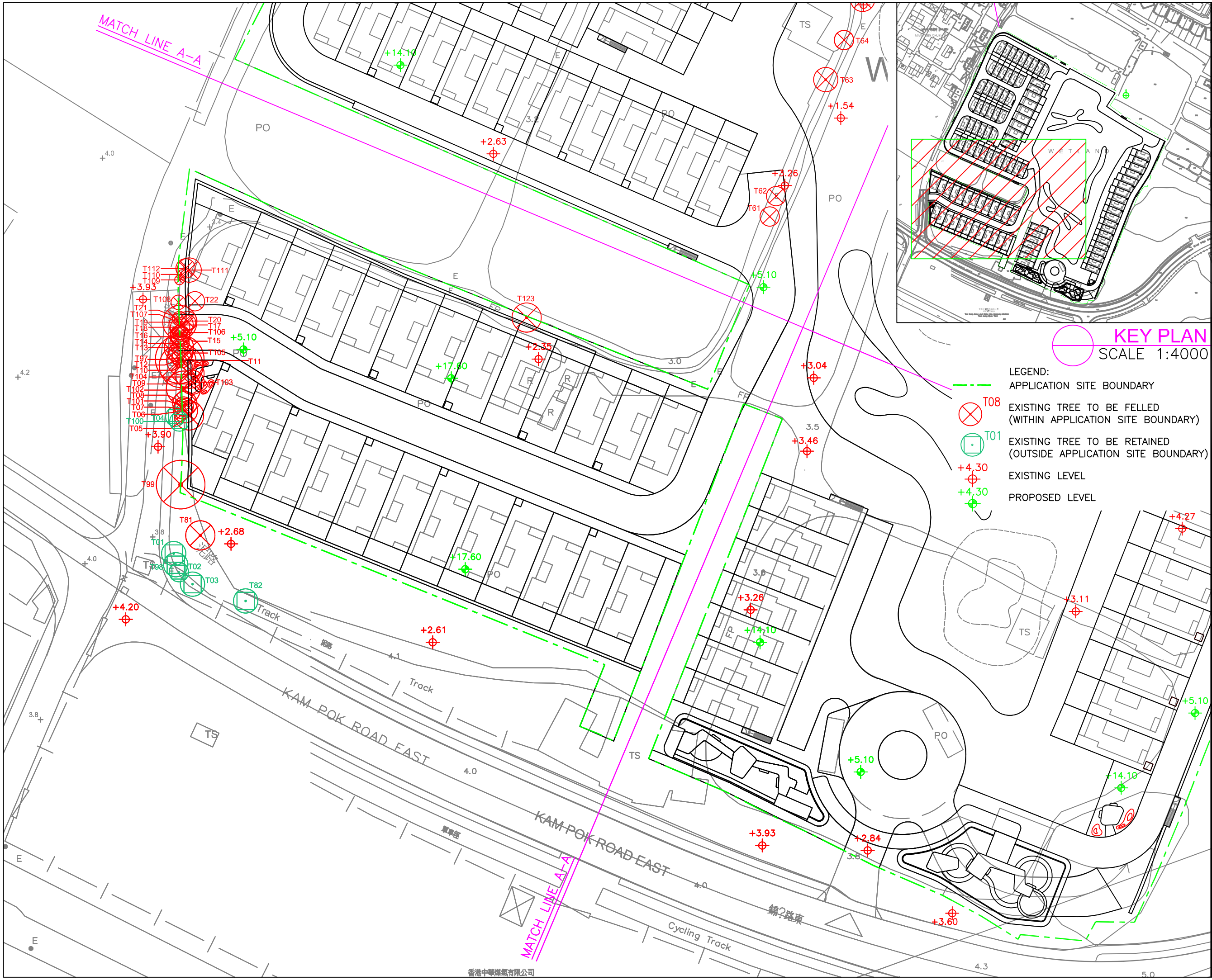

PROJECT :

PLANNING APPLICATION FOR PROPOSED COMPREHENSIVE DEVELOPMENT SCHEME TO INCLUDE WETLAND RESTORATION PROPOSED IN "OU(CDWRA)" ZONE AT NORTH OF KAM POK ROAD EAST, POK WAI, YUEN LONG, NEW TERRITORIES

DRAWING TITLE :

TREE SURVEY PLAN (SHEET 4 OF 4)

PROJECT No. C1920

DRAWING No. TS04

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Tree Assessment Schedule at
Planning Application for Proposed Comprehensive Development Scheme to Include Wetland Restoration Proposal in "OU(CDWRA)" Zone at North of Kam Pok Road East, Pok Wai, Yuen Long, New Territories
Prepared by Ted Lam (R.L.A. No. R-073) on 22/11/2022
To be read in conjunction with Tree Survey Plan, dwg. no. C1920-TS01 to C1920-TS05

Tree Schedule

Tree	Name		Original Location		Size			Tree Form	Health Condition	Amenity Value	Survival Rate after Transplantation	Proposed Treatment in Current Proposal	Justification for Tree Felling	Remark
No.	Botancial Name	Chinese Name	(Within/ Outside Application Site Boundary)	Level at Root Collar (mPD)	DBH (m)	Height (m)	Spread (m)	(Good/Fair/Poor)	(Good/Fair/Poor)	(High/Med/Low)	(High/Med/Low)	(Retain/Fell/Transplant)		
T01	*Leucaena leucocephala*	銀合歡	Outside Application Site Boundary	4.07	192	8	5	Poor	Fair	Low	Med	Retain	-	Multiple attachemtns; Included bark; Truncated branch; Mesh embedded in trunk; Restricted root
T02	*Liquidambar formosana*	楓香	Outside Application Site Boundary	4.05	199	9	5	Fair	Fair	Low	Med	Retain	-	V-shaped branch union; Restricted root
T03	*Liquidambar formosana*	楓香	Outside Application Site Boundary	4.00	200	7	5	Poor	Fair	Low	Med	Retain	-	Broken branch; Restricted root
T04	*Leucaena leucocephala*	銀合歡	Outside Application Site Boundary	3.82	234	9	7	Poor	Fair	Low	Low	Retain	-	Trunk topped; Restricted root; Co-dominant trunks; Included bark; Imbalanced crown
T05	*Macaranga tanarius var. tomentosa*	血桐	Within Application Site Boundary	3.52	222	4	6	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Multiple attachments; Included bark; Restricted root; Truncated branch; Near pond
T06	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.66	160	9	5	Poor	Poor	Low	Low	Fell	1,2,3,4,7	Dead stub on trunk; Leaning; Restricted root; Crack on trunk base; Near pond
T07	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.74	120	6	*2*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Trunk topped; Restricted root; Mesh embedded in trunk; Near pond
T08	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.80	202	8	*3*	Fair	Fair	Low	Low	Fell	1,2,3,7	Mesh embedded in trunk; Restricted root; Near pond
T09	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.72	168	9	*4*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Restricted root; Leaning; Trunk crossed with T103; Near pond
T10	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.72	340	12	*7*	Poor	Fair	Low	Low	Fell	1,3,4,7	Branch topped; Leaning; Near pond
T11	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.72	273	12	*6*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Trunk topped; Restricted root; Leaning; Near pond
T12	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.80	287	7	*5*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Decay on trunk; Restricted root; Trunk topped; Near pond
T13	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.75	229	6	*3*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Truncated branch; Restricted root; Mesh embedded in trunk; Near pond
T14	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.68	152	9	*3*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Truncated branch; Restricted root; Leaning; Near pond
T15	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.70	225	10	*4*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Decay on trunk; Restricted root; Leaning; Near pond
T16	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.83	156	6	*3*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Trunk topped; Restricted root; Cavity on trunk; Near pond
T17	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.80	284	12	*6*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Broken branch; Restricted root; Trunk cross with T107; Near pond
T18	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.82	205	9	*5*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Broken branch; Restricted root; Co-dominant trunks; Included bark; Near pond
T19	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.13	210	10	*4*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Cavity on trunk; Truncated branch; Leaning; Near pond
T20	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.29	151	11	*5*	Poor	Fair	Low	Low	Fell	1,3,4,7	Decay on trunk; Leaning; Near pond
T21	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.74	161	4	2	Poor	Fair	Low	Low	Fell	1,3,4,7	Trunk topped; Broken wound on trunk base
T22	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.61	300	7	*7*	Poor	Poor	Low	Low	Fell	1,2,3,4,7	Tree failure; Decay on trunk; Near pond
T37	*Acacia auriculiformis*	耳果相思	Within Application Site Boundary	3.28	191	3	5	Poor	Poor	Low	Low	Fell	1,3,4,7	Trunk topped; Abnormal bark crack on trunk
T39	*Dimocarpus longan*	龍眼	Within Application Site Boundary	3.32	400	6	5	Poor	Fair	Low	Low	Fell	1,4,6,7	Broken wound on trunk; Co-dominant trunks; Branch crossed with T115
T40	*Litchi chinensis*	荔枝	Within Application Site Boundary	3.26	391	5	*6*	Poor	Poor	Low	Low	Fell	1,4,6,7	Broken trunk; Multiple trunks; Included bark; Dead crown
T41	*Litchi chinensis*	荔枝	Within Application Site Boundary	3.50	190	4	*4*	Poor	Poor	Low	Low	Fell	1,4,6,7	Dead crown; Co-dominant trunks; Cross trunks; Dead trunk; Imbalanced crown
T42	*Litchi chinensis*	荔枝	Within Application Site Boundary	3.43	176	2	*4*	Poor	Poor	Low	Low	Fell	1,4,6,7	Dead branch; Co-dominant trunks; Sign of borer
T43	*Mangifera indica*	杧果	Within Application Site Boundary	3.31	274	5	*5*	Poor	Fair	Low	Low	Fell	1,4,6,7	Cavity on trunk; Co-dominant trunks; Cross trunks
T44	*Dimocarpus longan*	龍眼	Within Application Site Boundary	3.46	168	4	*5*	Poor	Poor	Low	Low	Fell	1,4,6,7	Trunk topped; Co-dominant trunks; Dieback
T53	*Melia azedarach*	苦楝	Within Application Site Boundary	3.08	328	7	*6*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Broken wound on trunk; Restricted root; Multiple attachments
T61	*Litchi chinensis*	荔枝	Within Application Site Boundary	3.25	161	4	*4*	Poor	Fair	Low	Low	Fell	1,4,6,7	Decay on trunk base; Co-dominant trunks; Included bark; Imbalanced crown

Tree	Name		Original Location		Size			Tree Form	Health Condition	Amenity Value	Survival Rate after Transplantation	Proposed Treatment in Current Proposal	Justification for Tree Felling	Remark
No.	Botancial Name	Chinese Name	(Within/ Outside Application Site Boundary)	Level at Root Collar (mPD)	DBH (m)	Height (m)	Spread (m)	(Good/Fair/Poor)	(Good/Fair/Poor)	(High/Med/Low)	(High/Med/Low)	(Retain/Fell/Transplant)		
T62	*Litchi chinensis*	荔枝	Within Application Site Boundary	3.26	286	5	*5*	Poor	Poor	Low	Low	Fell	1,4,6,7	Dead branches; Co-dominant trunks; Included bark
T63	*Dimocarpus longan*	龍眼	Within Application Site Boundary	3.03	319	4	*6*	Poor	Poor	Low	Low	Fell	1,2,4,6,7	Inrolled crack on trunk; Restricted root; Co-dominant trunks; Dieback
T64	*Clausena lansium*	黃皮	Within Application Site Boundary	3.11	135	3	*4*	Poor	Fair	Low	Low	Fell	1,2,4,6	Imbalanced crown; Restricted root; Co-dominant trunks
T81	*Macaranga tanarius var. tomentosa*	血桐	Within Application Site Boundary	2.68	295	5	8	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Multiple attachments; Cross branches; Restricted root; Near pond
T82	*Melia azedarach*	苦楝	Outside Application Site Boundary	3.83	287	7	*7*	Poor	Fair	Low	Low	Retain	-	Cavity on trunk; Restricted root; Co-dominant trunks; Included bark; Broken branch
T84	*Bischofia javanica*	秋楓	Within Application Site Boundary	3.44	208	5	*5*	Poor	Fair	Low	Low	Fell	1,4,7	Damaged wounds on trunk; Co-dominant trunks; Truncated branch
T85	*Bischofia javanica*	秋楓	Within Application Site Boundary	3.45	135	5	*3*	Fair	Poor	Low	Low	Fell	1,4,7	Abnormal bark crack on trunk
T86	*Macaranga tanarius var. tomentosa*	血桐	Within Application Site Boundary	3.70	197	4	*5*	Poor	Fair	Low	Low	Fell	1,3,4,7	Co-dominant trunks; Included bark; Truncated branch
T87	*Bischofia javanica*	秋楓	Within Application Site Boundary	2.82	156	5	*4*	Poor	Fair	Low	Low	Fell	1,4,7	Trunk crossed with T88; V-shaped branch union
T88	*Bischofia javanica*	秋楓	Within Application Site Boundary	3.04	197	5	*5*	Poor	Fair	Low	Low	Fell	1,4,7	Truncated branch; Leaning; Branch crossed with T87
T91	*Bischofia javanica*	秋楓	Outside Application Site Boundary	2.85	175	5	*5*	Fair	Poor	Low	Low	Retain	-	V-shaped branch union; Abnormal bark crack on trunk; Abnormal bark crack on branch
T92	*Bischofia javanica*	秋楓	Outside Application Site Boundary	2.75	142	5	*4*	Fair	Fair	Med	Low	Retain	-	V-shaped branch union
T96	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.67	138	8	*4*	Poor	Poor	Low	Low	Fell	1,2,3,4,7	Decay trunk; Restricted root; Broken wounds on trunk
T97	*Macaranga tanarius var. tomentosa*	血桐	Within Application Site Boundary	3.78	249	5	*6*	Poor	Poor	Low	Low	Fell	1,2,3,4,7	Decay branch; Restricted root; Leaning; Co-dominant trunks; Near pond
T98	*Leucaena leucocephala*	銀合歡	Outside Application Site Boundary	4.11	180	7	*5*	Fair	Fair	Low	Low	Retain	-	Broekn trunk; Restricted root; Mesh embedded in trunk
T99	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.81	314	11	*10*	Poor	Poor	Low	Low	Fell	1,2,3,4,7	Dead trunk; Co-dominant trunks; Cross trunks; Restricted root; Exposed dead wood on trunk base
T100	*Leucaena leucocephala*	銀合歡	Outside Application Site Boundary	3.82	135	10	4	Fair	Fair	Low	Low	Retain	-	Mechanical injury on trunk; Restricted root; V-shaped branch union
T101	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.74	113	8	4	Poor	Fair	Low	Low	Fell	1,2,3,4	Restricted root; Leaning; Near pond
T102	*Macaranga tanarius var. tomentosa*	血桐	Within Application Site Boundary	3.75	139	7	7	Fair	Fair	Low	Low	Fell	1,2,3,7	Mesh embedded in trunk; Restricted root; Near pond
T103	*Macaranga tanarius var. tomentosa*	血桐	Within Application Site Boundary	3.05	154	3	5	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Co-dominant trunks; Restricted root; Leaning; Trunk crossed with T09; Near pond
T104	*Macaranga tanarius var. tomentosa*	血桐	Within Application Site Boundary	1.51	127	4	6	Poor	Fair	Low	Low	Fell	1,2,3,4	Co-dominant trunks; Restricted root; Imbalanced crown; Near pond
T105	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.91	213	10	5	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Branch topped; Cross trunks; Near pond
T106	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.70	114	6	*3*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Trunk topped; Restricted root; Near pond
T107	*Macaranga tanarius var. tomentosa*	血桐	Within Application Site Boundary	3.80	147	3	*7*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Branch cross with T17; Leaning; Truncated branch; Near pond
T108	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	3.81	113	6	*3*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Branch topped; Near pond
T109	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	4.10	141	7	*2*	Poor	Poor	Low	Low	Fell	1,2,3,4	Exposed dead wood on trunk; Trunk crooked; Restricted root
T110	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	4.02	120	9	*2*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Cavity on trunk; Restricted root; Trunk crooked
T111	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	4.02	195	9	*5*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Branch topped; Restricted root; Near pond
T112	*Leucaena leucocephala*	銀合歡	Within Application Site Boundary	4.02	172	9	*4*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Broken branch; Restricted root
T113	*Artocarpus heterophyllus*	菠蘿蜜	Within Application Site Boundary	2.52	102	3	*3*	Poor	Poor	Low	Low	Fell	1,4,7	Abnormal bark crack on trunks; Co-dominant trunks; Included bark; Imbalanced crown
T114	*Melia azedarach*	苦楝	Within Application Site Boundary	2.63	146	5	*5*	Poor	Fair	Low	Low	Fell	1,2,3,4,7	Cross trunks; Co-dominant trunks; Imbalanced crown; Near pond
T115	*Dimocarpus longan*	龍眼	Within Application Site Boundary	3.26	121	5	*5*	Poor	Fair	Low	Low	Fell	1,2,4,6,7	Truncated branch; Restricted root; Branch crossed with T39
T116	*Bischofia javanica*	秋楓	Within Application Site Boundary	0.50	171	4	*5*	Poor	Fair	Low	Low	Fell	1,4,7	Sign of borer on branch; Co-dominant trunks; V-shaped branch union; Imbalanced crown
T117	*Sapium sebiferum*	烏桕	Within Application Site Boundary	2.97	127	5	*3*	Fair	Poor	Low	Low	Fell	1,4,7	Inrolled crack on trunk; Exposed dead wood on trunk
T118	*Melia azedarach*	苦楝	Within Application Site Boundary	2.04	120	5	*4*	Poor	Fair	Low	Low	Fell	1,3,4,7	Inrolled crack on trunk; Leaning

Tree	Name		Original Location		Size			Tree Form	Health Condition	Amenity Value	Survival Rate after Transplantation	Proposed Treatment in Current Proposal	Justification for Tree Felling	Remark
No.	Botancial Name	Chinese Name	(Within/ Outside Application Site Boundary)	Level at Root Collar (mPD)	DBH (m)	Height (m)	Spread (m)	(Good/Fair/Poor)	(Good/Fair/Poor)	(High/Med/Low)	(High/Med/Low)	(Retain/Fell/Transplant)		
T119	*Bischofia javanica*	秋楓	Within Application Site Boundary	2.73	131	5	*3*	Poor	Poor	Low	Low	Fell	1,4,7	V-shaped branch union; Abnormal bark crack on trunk; Imbalanced crown
T120	*Bridelia tomentosa*	土蜜樹	Within Application Site Boundary	2.04	110	4	*4*	Poor	Fair	Low	Low	Fell	1,3,4,7	Cross trunks; Multiple trunks; Truncated branch
T121	*Sapium sebiferum*	烏桕	Within Application Site Boundary	2.04	110	5	*3*	Poor	Fair	Low	Low	Fell	1,4	Trunk crooked
T122	*Syzygium cumini*	海南蒲桃	Within Application Site Boundary	2.04	122	4	*3*	Poor	Fair	Med	Low	Fell	1,4	Imbalanced crown
T123	*Eucalyptus urophylla*	尾葉桉	Within Application Site Boundary	2.45	297	11	*6*	Poor	Fair	Low	Low	Fell	1,2,4,6	Co-dominant trunks; Near pond

Abbreivations in the tree schedule

*Justification for Tree felling:

1. Tree is in direct conflict with the proposed works.
2. Preparation of intact and sufficient-sized root ball not practical due to the topography (e.g. on rock, steep slope, shallow substratum, structures, near pond).
3. Weedy species without special ecological significance or species creating maintenance problem.
4. Tree with poor health and/or form for transplantation.
5. Lack of access for transplantation machinery or vehicle.
6. Species of low post-transplantation survival rate.
7. Tree has structural problem and may create hazard to public during root ball preparation and/or after transplantation, while auxiliary support will not be sufficient / practical.

Summary of Tree Survey

Total No. of Surveyed Trees:	71 nos.
Tree to be Retained:	9 nos.
Tree to be Felled	62 nos.
Tree to be Transplanted:	0
Aggregate Loss of DBH:	12.058m
Number of New Trees:	259 nos.
DBH Compensation:	20.72m

T01 (R)

T01 (R)

T01 (R)

T01 - Multiple Attachments (R)

T02 (R)

T02 (R)

T02 (R)

T02 - V-shaped Branch Union (R)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T03 (R)

T03 (R)

T03 (R)

T03 - Broken Branch (R)

T04 (R)

T04 (R)

T04 (R)

T04 - Trunk Topped (R)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T05 (F)

T05 (F)

T05 (F)

T05 - Multiple Attachments (F)

T06 (F)

T06 (F)

T06 (F)

T06 - Dead Stub on Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T07 (F)

T07 (F)

T07 (F)

T07 - Trunk Topped (F)

T08 (F)

T08 (F)

T08 (F)

T08 - Mesh Embedded in Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

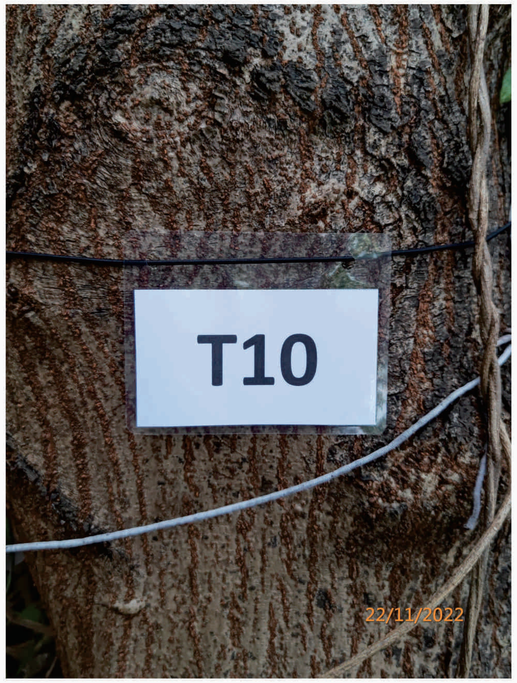
Photographic Record of Existing Trees

T09 (F)

T09 (F)

T09 (F)

T09 - Restricted Root (F)



T10 (F)

T10 (F)

T10 (F)

T10 - Branch Topped (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T11 (F)

T11 (F)

T11 (F)

T11 - Trunk Topped (F)

T12 (F)

T12 (F)

T12 (F)

T12 - Decay on Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T13 (F)

T13 (F)

T13 (F)

T13 - Truncated Branch (F)

T14 (F)

T14 (F)

T14 (F)

T14 - Truncated Branch (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T15 (F)

T15 (F)

T15 (F)

T15 - Decay on Trunk (F)

T16 (F)

T16 (F)

T16 (F)

T16 - Trunk Topped (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T17 (F)

T17 (F)

T17 (F)

T17 - Broken Branch (F)

T18 (F)

T18 (F)

T18 (F)

T18 - Broken Branch (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T19 (F)

T19 (F)

T19 (F)

T19 - Cavity on Trunk (F)

T20 (F)

T20 (F)

T20 (F)

T20 - Decay on Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T21 (F)

T21 (F)

T21 (F)

T21 - Trunk Topped (F)

T22 (F)

T22 (F)

T22 (F)

T22 - Tree Failure (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T37 (F)

T37 (F)

T37 (F)

T37 - Trunk Topped (F)

T39 (F)

T39 (F)

T39 (F)

T39 - Broken Wound on Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T40 (F)

T40 (F)

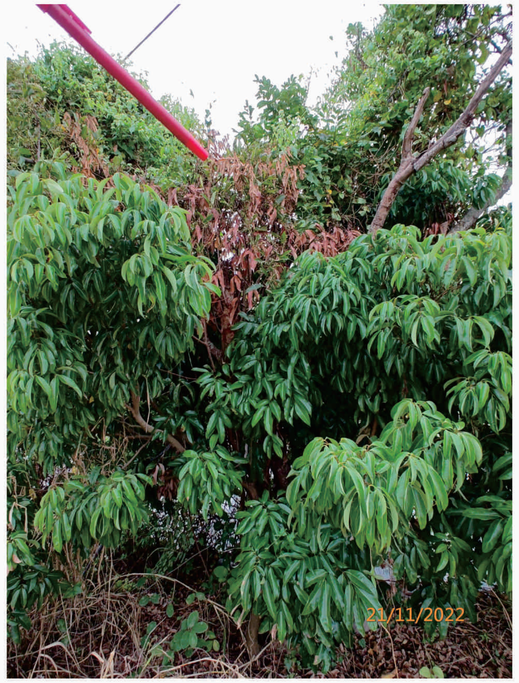
T40 (F)

T40 - Broken Trunk (F)

T41 (F)

T41 (F)

T41 (F)



T41 - Dead Crown (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T42 (F)

T42 (F)

T42 (F)

T42 - Dead Branch (F)

T43 (F)

T43 (F)

T43 (F)

T43 - Cavity on Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T44 (F)

T44 (F)

T44 (F)

T44 - Trunk Topped (F)

T53 (F)

T53 (F)

T53 (F)

T53 - Broken Wound on Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T61 (F)

T61 (F)

T61 (F)

T61 - Decay on Trunk Base (F)

T62 (F)

T62 (F)

T62 (F)

T62 - Dead Branches (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T63 (F)

T63 (F)

T63 (F)

T63 - Inrolled Crack on Trunk (F)

T64 (F)

T64 (F)

T64 (F)

T64 - Imbalanced Crown (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T81 (F)

T81 (F)

T81 (F)

T81 - Multiple Attachments (F)

T82 (R)

T82 (R)

T82 (R)

T82 - Cavity on Trunk (R)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T84 (F)

T84 (F)

T84 (F)

T84 - Damaged Wounds on Trunk (F)

T85 (F)

T85 (F)

T85 (F)

T85 - Abnormal Bark Crack on Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T86 (F)

T86 (F)

T86 (F)

T86 - Co-dominant Trunks (F)

T87 (F)

T87 (F)

T87 (F)

T87 - Trunk Crossed with T88 (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T88 (F)

T88 (F)

T88 (F)

T88 - Truncated Branch (F)

T91 (R)

T91 (R)

T91 (R)

T91 - V-shaped Branch Union (R)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T92 (R)

T92 (R)

T92 (R)

T92 - V-shaped Branch Union (R)

T96 (F)

T96 (F)

T96 (F)

T96 - Decay Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T97 (F)

T97 (F)

T97 (F)

T97 - Decay Branch (F)

T98 (R)

T98 (R)

T98 (R)

T98 - Broken Trunk (R)

LEGEND :

(R) - Retain

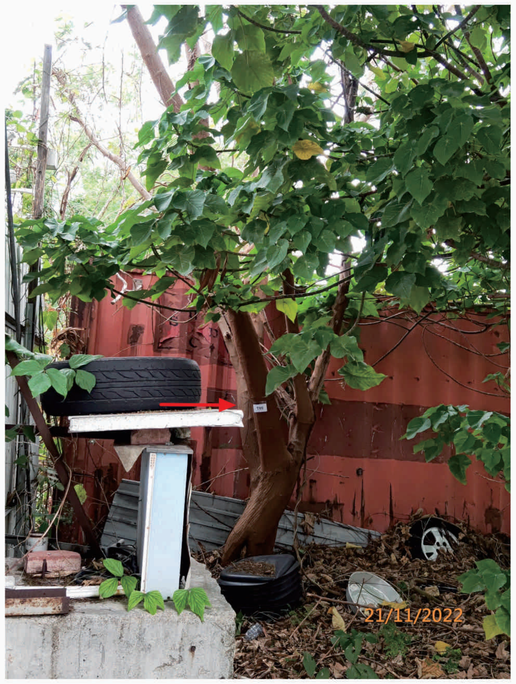
(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T99 (F)

T99 (F)



T99 (F)

T99 - Dead Trunk (F)

T100 (R)

T100 (R)

T100 (R)

T100 - Mechanical Injury on Trunk (R)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T101 (F)

T101 (F)

T101 (F)

T101 - Restricted Root (F)

T102 (F)

T102 (F)

T102 (F)

T102 - Mesh Embedded in Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T103 (F)

T103 (F)

T103 (F)

T103 - Co-dominant Trunks (F)

T104 (F)

T104 (F)

T104 (F)

T104 - Co-dominant Trunks (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T105 (F)

T105 (F)

T105 (F)

T105 - Branch Topped (F)

T106 (F)

T106 (F)

T106 (F)

T106 - Trunk Topped (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T107 (F)

T107 (F)

T107 (F)

T107 - Branch Crossed With T17 (F)

T108 (F)

T108 (F)

T108 (F)

T108 - Branch Topped (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

Photographic Record of Existing Trees

T109 (F)

T109 (F)

T109 (F)

T109 - Exposed Dead Wood on Trunk (F)

T110 (F)

T110 (F)

T110 (F)

T110 - Cavity on Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T111 (F)

T111 (F)

T111 (F)

T111 - Branch Topped (F)

T112 (F)

T112 (F)

T112 (F)

T112 - Broken Branch (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T113 (F)

T113 (F)

T113 (F)

T113 - Abnormal Bark Crack on Trunks (F)

T114 (F)

T114 (F)

T114 (F)

T114 - Cross Trunks (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T115 (F)

T115 (F)

T115 (F)

T115 - Truncated Branch (F)

T116 (F)

T116 (F)

T116 (F)

T116 - Sign of Borer on Branch (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T117 (F)

T117 (F)

T117 (F)

T117 - Inrolled Crack on Trunk (F)

T118 (F)

T118 (F)

T118 (F)

T118 - Inrolled Crack on Trunk (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T119 (F)

T119 (F)

T119 (F)

T119 - V-shaped Branch Union (F)

T120 (F)

T120 (F)

T120 (F)

T120 - Cross Trunks (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T121 (F)

T121 (F)

T121 (F)

T121 - Trunk Crooked (F)

T122 (F)

T122 (F)

T122 (F)

T122 - Imbalanced Crown (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant

T123 (F)

T123 (F)

T123 (F)

T123 - Co-dominant Trunks (F)

LEGEND :

(R) - Retain

(F) - Fell

(T) - Transplant