



Tai Shue Wan Development at Ocean Park

Visual and Landscape Plan

August 2021

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**Pursuant to Condition 2.11 of Environmental Permit No. EP-487/2014/A,
this Visual and Landscape Plan has been reviewed and certified by the
Environmental Team Leader (ETL) and verified by the Independent
Environmental Checker (IEC).**

Certified by: 

Gary Chow
Environmental Team Leader (ETL)
Mott MacDonald Hong Kong Limited

Date: 18 August 2021

Verified by: 

Sam Tsoi
Independent Environmental Checker (IEC)
Ove Arup & Partners Hong Kong Limited

Date: 20 August 2021

Information class: Standard

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1 Introduction

1.1 Background

Under the Environmental Impact Assessment (EIA) Ordinance, the EIA Report and the Environmental Monitoring and Audit (EM&A) Manual (Register No.: AEIAR-184/2014) prepared for the “Tai Shue Wan Development at Ocean Park” (the Project) have been approved by the Environmental Protection Department (EPD) on 27 August 2014. The Environmental Permit (EP) has been subject to variation and the current Permit No. is EP-487/2014/A issued on 10 January 2018.

As stipulated in Condition 2.11 of the EP, to enhance the greening design of the Project and to allow the Project to blend well into the surrounding natural environment, the Permit Holder shall, no later than one month before the commencement of corresponding parts of greening work of the Project, deposit with the Director four hard copies and one electronic copy of a Visual and Landscape Plan. The Plan shall include but not limited to: greening and landscape design details, use of non-reflective materials, provision of vertical and roof greening, plant species to be selected, implementation programme, maintenance schedules, visual illustrations and drawings in appropriate scale indicating the locations and number of tree planted for greening and landscape purpose. Before submission to the Director, the Plan shall be certified by the ET Leader and verified by the IEC as conforming to the information and recommendations contained in the approved EIA report.

Mott MacDonald Hong Kong Limited has been commissioned by the Ocean Park Corporation to prepare and submit the Visual and Landscape Plan to meet Condition 2.11 of the EP.

2 Visual and Landscape Proposal

The operation phase mitigation measures as recommended in the EM&A Manual and the corresponding proposed actions are presented in **Table 2-1** below.

Table 2-1 Summary of operation phase mitigation measures as recommended in the EM&A Manual

Mitigation Code	Mitigation Measure	Proposed Action
OP01	Sensitive Design and Disposition	<p>The design of building forms follows the sloping topography that the key hard structures are dispositioned close to the northern slopes and the ride platforms are located near the slopes.</p> <p>The use of materials in colour tones, natural materials and non-reflective panels as well as the softworks design are coherent with the subdued tones and will also reduce potential glare from surface reflectance.</p> <p>Details are presented in Section 2.1.3 of this Visual and Landscape Plan.</p>
OP02	Compensatory Tree Planting	<p>The proposed planting plans maximise greening within the Project area and are coherent to the recommended operation phase mitigation measures in landscape and visual aspect.</p> <p>Details are presented in Section 2.1.1 of this Visual and Landscape Plan.</p>
OP03	Enhancement Planting	<p>The proposed planting plans maximise greening within the Project area and are coherent to the recommended operation phase mitigation measures in landscape and visual aspect.</p> <p>Details are presented in Section 2.1.1 of this Visual and Landscape Plan.</p>
OP04	Green Roofs and Vertical Greening	<p>Vertical greening will be applied to various parts at Level 1 and Level 3 of the Project Area. On the other hand, roof greening will be applied to three shells (Shell A, B and C) and canopy of queue paths to the ride platform level at the northern part of the Project area. The green roofs will support extensive areas of low shrub and ground cover planting.</p> <p>The provision of green roofs and vertical greening will screen and soften the hard edges of building structures as consistent with the recommended operation phase mitigation measures in landscape and visual aspect.</p> <p>Details are presented in Section 2.1.2 of this Visual and Landscape Plan.</p>
OP05	Reprovision of Flamingo Pond	<p>Details are presented in the latest Ecological Enhancement Plan submitted in accordance with Condition 2.8 of the EP.</p>

Mitigation Code	Mitigation Measure	Proposed Action
OP06	Responsive Lighting Design	The lighting design follows a scheme of harmony between light and nature as coherent to the recommended operation phase mitigation measures in landscape and visual aspect. The design principals include comfortable lighting contrast, glare free, high colour rendering, colour temperature and minimizing impact on surrounding environment. Details are presented in Section 2.2 of this Visual and Landscape Plan.
OP07	Woodland Compensation	Details are presented in the latest Woodland Compensation Plan submitted in accordance with Condition 2.7(a) of the EP.

2.1 Greening and Landscape Design Details

The overall Landscape Master Plan and design plan containing the greening and landscape design layout of the Tai Shue Wan Development are provided in **Appendix A**. Details are elaborated in the following sub-sections.

2.1.1 Planting Plan and Plant Species

Details of new enhancement planting and compensatory tree planting are provided in the relevant planting plans in **Appendix B**. These planting plans maximise greening within the Project area and are coherent to the recommended operation phase mitigation measures in landscape and visual aspect (OP02 and OP03) in Table 9.2 of the EM&A Manual. The number of heavy standard trees and whip trees are based on the size of affected area. As stated in the approved TPRP and LMP, due to the reduction of the construction affected area and consequent increased retention of the existing dense vegetated areas with existing mature trees which were originally approved for felling, the available area for compensatory tree whip planting in the slope area is significantly reduced. Nevertheless, the tree compensatory ratio achieves 1.59:1 in terms of quantity. The locations and number of trees to be planted for greening and landscape purpose are indicated in these planting plans.

Proposed planting palettes for tree, whips, shrubs and groundcovers are also listed in **Table 2-2** to **Table 2-7** below.

Table 2-2 Proposed New Tree Planting List

Species Name (in Scientific Name)	Chinese Name	Size (DBH)	Height x Spread (mm)	Quantity (nos.)
<i>Alstonia scholaris</i>	糖膠樹	100	2500	9
<i>Araucaria heterophylla</i>	異葉南洋杉	100	1500	69
<i>Archontophoenix alexandrae</i>	假檳榔	100	2500	48
<i>Artocarpus altilis</i>	麵包樹	120	3000	10
<i>Bischofia javanica</i>	秋楓	100	2500	20
<i>Celtis sinensis</i>	朴樹	100	3000	8
<i>Crateva trifoliata</i>	鈍葉魚木	100	2500	5
<i>Dracontomelon duperreanum</i>	人面子	120	4000	25

Species Name (in Scientific Name)	Chinese Name	Size (DBH)	Height x Spread (mm)	Quantity (nos.)
<i>Elaeocarpus apiculatus</i>	長芒杜英	120	3000	6
<i>Elaeocarpus balansae</i>	大葉杜英	120	3000	81
<i>Elaeocarpus hainanensis</i>	水石榕	100	3000	3
<i>Koelreuteria bipinnata</i>	複羽葉欒樹	100	2500	6
<i>Liquidambar formosana</i>	楓香	100	2500	22
<i>Melia azedarach</i>	楝	120	3000	15
<i>Plumeria rubra</i>	紅雞蛋花	120	4000	9
<i>Pongamia pinnata</i>	水黃皮	100	2500	18
<i>Roystonea regia</i>	王棕	100	3500	29
<i>Schefflera actinophylla</i>	傘樹	100	2000	2
<i>Schima superba</i>	木荷	100	2500	14
<i>Sterculia lanceolata</i>	假蘋婆	100	2500	4
<i>Taxodium distichum</i>	落羽杉	100	3000	5
<i>Terminalia mantaly</i>	小葉欖仁	100	3000	18
<i>Terminalia mantaly 'Variegata'</i>	錦葉欖仁	100	3000	87
<i>Viburnum odoratissimum</i>	珊瑚樹	100	3000	21
Total				534

Table 2-3 Proposed New Whip Tree List

Species Name (in Scientific Name)	Chinese Name	Size (DBH)	Height x Spread (mm)
<i>Acacia confusa</i>	台灣相思	10	1000 x 400
<i>Celtis sinensis</i>	朴樹	10	1000 x 400
<i>Choerospondias axillaris</i>	南酸棗	10	1000 x 400
<i>Cratoxylum cochinchinense</i>	黃牛木	10	1000 x 400
<i>Ficus hispida</i>	對葉榕	10	1000 x 400
<i>Ficus Variegata var. chlorocarpa</i>	青果榕	10	1000 x 400
<i>Macaranga tanarius</i>	血桐	10	1000 x 400
<i>Mallotus paniculatus</i>	白楸	10	1000 x 400
<i>Pinus massoniana</i>	馬尾松	10	1000 x 400
<i>Polyspora axillaris</i>	大頭茶	10	1000 x 400
<i>Reevesia thyrsoidea</i>	梭羅樹	10	1000 x 400
<i>Rhus succedanea</i>	木蠟樹	10	1000 x 400
<i>Sterculia lanceolata</i>	假蘋婆	10	1000 x 400
<i>Schefflera heptaphylla</i>	鴨腳木	10	1000 x 400

Table 2-4 Proposed Shrub List

Species Name (in Scientific Name)	Chinese Name	Height x Spread (mm)	Spacing (mm)
<i>Aglaonema nitidum</i> "Silver Queen"	銀皇后	500 x 500	500
<i>Aglaia odorata</i>	米仔蘭	600 x 600	550
<i>Alcantarea imperialis</i>	帝王鳳梨	500 x 500	500
<i>Alocasia odora</i>	海芋	1200 x 800	700
<i>Alpinia japonica</i>	山姜	650 x 650	600
<i>Alpinia purpurata</i>	紅花月桃	650 x 650	600
<i>Alpinia zerumbet</i>	豔山薑	650 x 650	600
<i>Alpinia zerumbet</i> cv. <i>Variegata</i>	花葉豔山薑	650 x 650	600
<i>Alternanthera paronychioides</i>	匙葉蓮子草	300 x 200	250
<i>Arundo donax</i>	蘆荻	800 x 600	600
<i>Asparagus densiflorus</i> 'Myersii'	狐尾天冬	350 x 350	300
<i>Aspidistra elatior</i>	一葉蘭	650 x 650	600
<i>Asplenium nidus</i>	烏巢蕨	650 x 650	650
<i>Belamcanda chinensis</i>	射干	600 x 600	550
<i>Bougainvillea glabra</i> 'Variegata'	斑葉九重葛	600 x 400	400
<i>Buxus microphylla</i>	小葉黃楊	400 x 200	200
<i>Caesalpinia pulcherrima</i>	洋金鳳	1800 x 1200	1000
<i>Camellia japonica</i>	茶花	800 x 800	750
<i>Canna indica</i>	美人蕉	800 x 650	650
<i>Caryota mitis</i>	短穗魚尾葵	1800 x 1000	1000
<i>Chrysalidocarpus lutescens</i>	散尾葵	2500 x 1000 / 1200 x 800	1000 / 800
<i>Clerodendrum japonicum</i> (syn. <i>C. kaempferi</i>)	檳桐	800 x 800	700
<i>Clerodendrum paniculatum</i>	裂葉檳桐	800 x 800	700
<i>Cordyline australis</i>	澳洲朱蕉	1600 x 1000	1000
<i>Cordyline fruticosa</i>	鐵樹	1000 x 800	800
<i>Cordyline terminalis</i> 'Tricolor'	朱蕉	1000 x 800	700
<i>Costus woodsoii</i>	紅閉鞘薑	800 x 600	500
<i>Crinum asiaticum</i>	文殊蘭	650 x 650	350 / 600
<i>Crocasmia crocosmiiflora</i>	觀音蘭	650 x 650	550
<i>Cycas revolute</i>	蘇鐵	850 x 850	750
<i>Cycas rumphii</i>	華南蘇鐵	1000 x 1000	800
<i>Dietes bicolor</i>	雙色野鳶尾	600 x 600	550
<i>Dracaena reflexa</i>	百合竹	1200 x 800	800
<i>Duranta repens</i>	假連翹	600 x 600	550
<i>Ficus lyrata</i>	琴葉榕	2000 x 1200	1000

Species Name (in Scientific Name)	Chinese Name	Height x Spread (mm)	Spacing (mm)
<i>Furcraea foetida</i>	萬年麻	1800 x 1500	1200
<i>Gardenia jasminoides</i>	梔子	500 x 500	500
<i>Gunnera manicata</i>	大葉蟻塔	600 x 600	500
<i>Heliconia caribaea</i>	大艷紅赫蕉	800 x 650	600
<i>Heliconia rostrata</i>	金鳥赫蕉	800 x 650	600
<i>Hibiscus schizopetalus</i>	吊燈花	850 x 650	600
<i>Hymenocallis littoralis</i>	蜘蛛蘭	600 x 600 / 400 x 400	350
<i>Jatropha integerrima</i>	全緣葉麻瘋樹	1800 x 1500	1200
<i>Ligustrum sinense</i>	山指甲	650 x 650	600
<i>Livistona chinensis</i>	蒲葵	1200 x 1000	1000
<i>Loropetalum chinense 'Rubrum'</i>	紅花檵木	500 x 500	500
<i>Murraya paniculata</i>	九里香	600 x 600	550
<i>Musa coccinea</i>	紅蕉	800 x 650	800
<i>Nandina domestica</i>	南天竺	1500 x 1000	800
<i>Neomarica gracilis</i>	巴西鳶尾	600 x 600	550
<i>Nerium oleander</i>	夾竹桃	2000 x 1200	1000
<i>Pandanus utilis</i>	馬達加斯加露兜	2000 x 1000	1500
<i>Phaius tankervilleae</i>	鶴頂蘭	750 x 600	600
<i>Philodendron bipinnatifidum</i>	裂葉喜樹蕉	750 x 900	800
<i>Philodendron xanadu</i>	小天使蔓綠絨	800 x 650	500
<i>Pittosporum tobira</i>	海桐	650 x 650	600
<i>Plumbago auriculata</i>	藍雪花	500 x 500	350
<i>Rhapis excelsa</i>	棕竹	1200 x 800	700
<i>Rhododendron pulchrum</i>	錦繡杜鵑	600 x 600	600
<i>Rhododendron simsii</i>	杜鵑	500 x 500	600
<i>Scaevola taccada</i> (syn. <i>S. sericea</i>)	草海桐	650 x 650	600
<i>Schefflera arboricola</i>	鵝掌藤	600 x 600	550
<i>Spathiphyllum cannifolium</i>	白鶴芋	600 x 600	500
<i>Strelitzia nicolai</i>	大鶴望蘭	1200 x 800	700
<i>Strelitzia reginae</i>	鶴望蘭	800 x 650	600
<i>Tibouchina heteromalla</i>	銀絨野牡丹	650 x 650	600
<i>Tibouchina semidercanda</i>	巴西野牡丹	650 x 650	600
<i>Tulbaghia violacea</i>	紫嬌花	150 x 150	550

Table 2-5 Proposed Climber List

Species Name (in Scientific Name)	Chinese Name	Height x Spread (mm)	Spacing (mm)
<i>Bauhinia corymbosa</i>	首冠藤	500 (Length)	400
<i>Epipremnum aureum</i>	綠蘿	500 (Length)	200
<i>Lonicera japonica</i>	忍冬	500 (Length)	400
<i>Stephanotis floribunda</i>	馬達加斯加茉莉	500 (Length)	400

Table 2-6 Proposed Groundcover List

Species Name (in Scientific Name)	Chinese Name	Height x Spread (mm)	Spacing (mm)
<i>Cuphea hyssopifolia</i>	雪茄花	300 x 300	250
<i>Fatsia japonica</i>	八角金盤	450 x 450	400
<i>Liriope spicata</i>	山麥冬	300 x 300	250
<i>Nephrolepis auriculata</i> (syn. <i>N. cordifolia</i>)	腎蕨	400 x 400	350
<i>Ophiopogon jaburan</i>	花葉沿階草	250 x 250	250
<i>Ophiopogon japonicus</i>	麥冬	300 x 300	250
<i>Ophiopogon nanus</i>	玉龍草	150 x 150	100
<i>Phyllanthus myrtifolius</i>	瘤腺葉下珠	400 x 400	350
<i>Sanseveria trifasciata 'Laurentii'</i>	金邊虎尾蘭	550 x 400	350
<i>Zephyranthes candida</i>	蔥蓮	350 x 350	250

Table 2-7 Proposed Lawn List

Species Name (in Scientific Name)	Chinese Name	Size (mm)
<i>Zoysia japonica</i>	朝鮮草	300 x 300 Squares

2.1.2 Vertical and Roof Greening

Vertical greening will be applied to various parts at Level 1 and Level 3 of the Project Area, as indicated in the new planting plan provided in **Appendix B**.

Roof greening will be applied to three shells (Shell A, B and C) and canopy of queue paths to the ride platform level at the northern part of the Project area, as shown in the Landscape Master Plan in **Appendix A**. The green roofs will support extensive areas of low shrub and ground cover planting. This will be seen by visitors at elevated ride platforms and visitors looking down towards Tai Shue Wan from the Ocean Park Summit but will not be publicly accessible.

The provision of green roofs and vertical greening will screen and soften the hard edges of building structures as consistent with the recommended operation phase mitigation measures in landscape and visual aspect (OP04 in Table 9.2 of the EM&A Manual).

2.1.3 Sensitive Landscape Design and Use of Non-reflective Materials

The visual illustrations of landscape design cross sections are provided in **Appendix C**, which are consistent with the recommended operation phase mitigation measures in landscape and visual aspect (OP01 in Table 9.2 of the EM&A Manual). Referring to the illustrations, the design of building forms follows the sloping topography that the key hard structures are dispositioned close to the northern slopes and the ride platforms are located near the slopes. The proposed hard structures are designed with the use of materials in earth colour tones, natural materials and non-reflective panels that blend into the surrounding environment.

For the general landscape hardworks elements and materials (as presented in **Table 2-8**), granite and stone resin are selected for paving materials for most of the areas, with concrete block paver selected only for main entry plaza. In the landscape softworks design aspect, extensive planting areas at the ground floor, platforms and selected roofs will be provided. A mix of evergreens and deciduous trees will be planted in the ground floor. The use of materials in colour tones, natural materials and non-reflective panels as well as the softworks design are coherent with the subdued tones and will also reduce potential glare from surface reflectance.

Table 2-8 General Landscape Hardworks Elements and Materials

Area/ Location	Landscape Hardworks
Main Entry Plaza	Paving – granite/ concrete block paver
Outdoor Crazy River	Paving – granite/ stone resin
Outdoor Wave Pool	Paving – granite/ stone resin
Cabana Areas	Paving – granite
Ride Platforms	Paving – stone resin

2.2 Responsive Lighting Design

The overall lighting design is illustrated in **Appendix D**. As the development locates on a site with natural scenery, the lighting design follows a scheme of harmony between light and nature as coherent to the recommended operation phase mitigation measures in landscape and visual aspect (OP06 in Table 9.2 of the EM&A Manual) and the design principal is described as follows:

- **Comfortable Lighting Contrast:** Lighting contrast is controlled to adapt shadows and darkness as part of the design, instead of overproviding light. The good balance of light contrast can create interesting and enchanting scenery.
- **Glare Free:** Glare is especially pertinent in outdoor settings where visual contrast tends to be high and light source us exposed without proper optics to control light distribution. For outdoor lighting, perimeter edge highlight and mist lighting designs are adopted to eliminate sources of glare. Glare cut-off angle is a functional aspect of lighting fixtures that requires proper consideration. To minimise spill light, glare less luminaires and light distribution will be carefully selected.
- **High Colour Rendering:** Colour rendering properties are used to judge the quality of colour reproduction and determines the appearance of the coloured objects under a particular light source. The use of low energy LED light source can provide higher rendering properties. To bring out the true colours of the natural environment, high colour rendering light sources will be implemented.

- **Colour Temperature:** Well-defined use of colour temperature can help to create a holistic nightscape. Neutral white 4000K will be used for lighting of trees to effectively render the fresh colour of greenery whilst extra cool white 6000K will be considered to mimic and blends with the moonlight. With the combination of low illuminance level and cool white colour, special visual environment similar to the moonlight can be created.
- **Minimizing Impact on Surrounding Environment:** The lighting strategy for the Project is to create a comfortable visual environment with controlled lighting application to minimize spill light and effect on nocturnal species. This will be achieved through careful selection of glare less luminaires and light distribution, inclusion of natural light such as sunset, moon and stars and limiting light pollution by eliminating unnecessary upward throw of light, allowing for uninhibited observation of stars in the night sky.

3 Implementation and Maintenance

The visual and landscape measures in the Project Site are expected to complete on or before Q3 2021, while the other ecological planting will continue until 2022. All hard and soft landscape maintenance will be carried out by Ocean Park operator. A minimum of 12 months establishment period will be incorporated for all planting elements. Tree maintenance schedule is provided in **Appendix E**.

Appendix A Overall Landscape Master Plan

LOT. R.B.L. EXTENSION 1020

LOT. R.B.L. 1020



LEGEND

- - - - SECTION 16 APPLICATION BOUNDARY (TREE AFFECTED AREA BOUNDARY)
- - - - LOT BOUNDARY
- LEVEL
- TRANSPLANTED TREES
- RETAINED TREES
- NEW TREES
- WOODLAND TO BE RETAINED OUTSIDE APPLICATION BOUNDARY
- NEW WHIP PLANTING AND / OR HYDROSEEDING IN THE EXISTING RETAINED SLOPE VEGETATION
- HARD PAVED
- EVA/ VEHICULAR ACCESS
- SHRUBS AND GROUNDCOVER
- LAWN
- GREEN ROOF AREA
- OUTDOOR SWIMMING POOL
- SKY LIGHT
- BENCH
- WATER SLIDES
- ACCESS POINT

NOTE :
THE BASE USED FOR THIS DRAWING HAS BEEN EXTRACTED AND TALLIES FROM THE LATEST AMENDMENT GBP ISSUED ON 2020-03-02

Rev.	Date	Description
B	11/06/2020	RESPONSE TO GOVT. COMMENTS
A	25/03/2020	2ND ISSUE

Job Title
**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Figure Title
OVERALL LANDSCAPE MASTER PLAN

Date
11 JUNE 2020

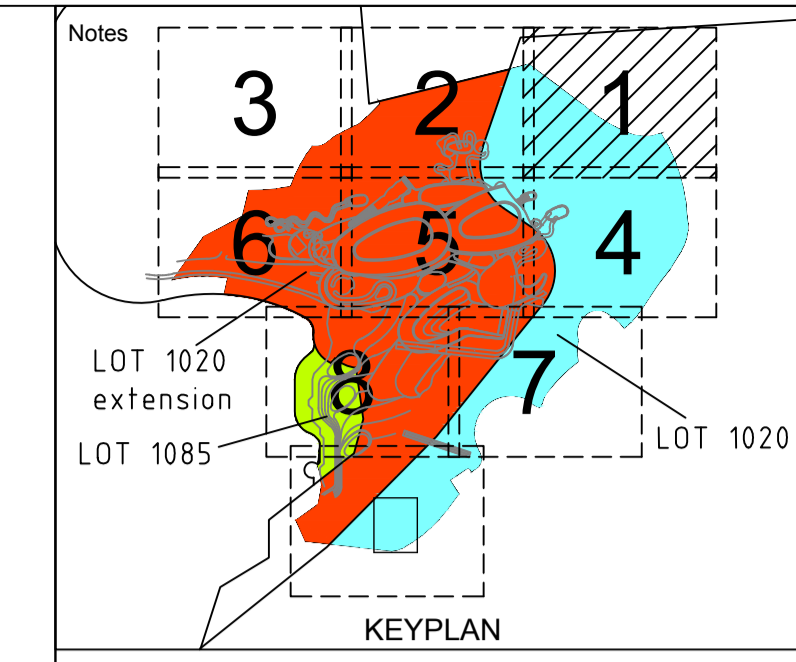
Scale
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Figure No.
URB_TSW-D005_SB1_7071



Appendix B New Planting Plan

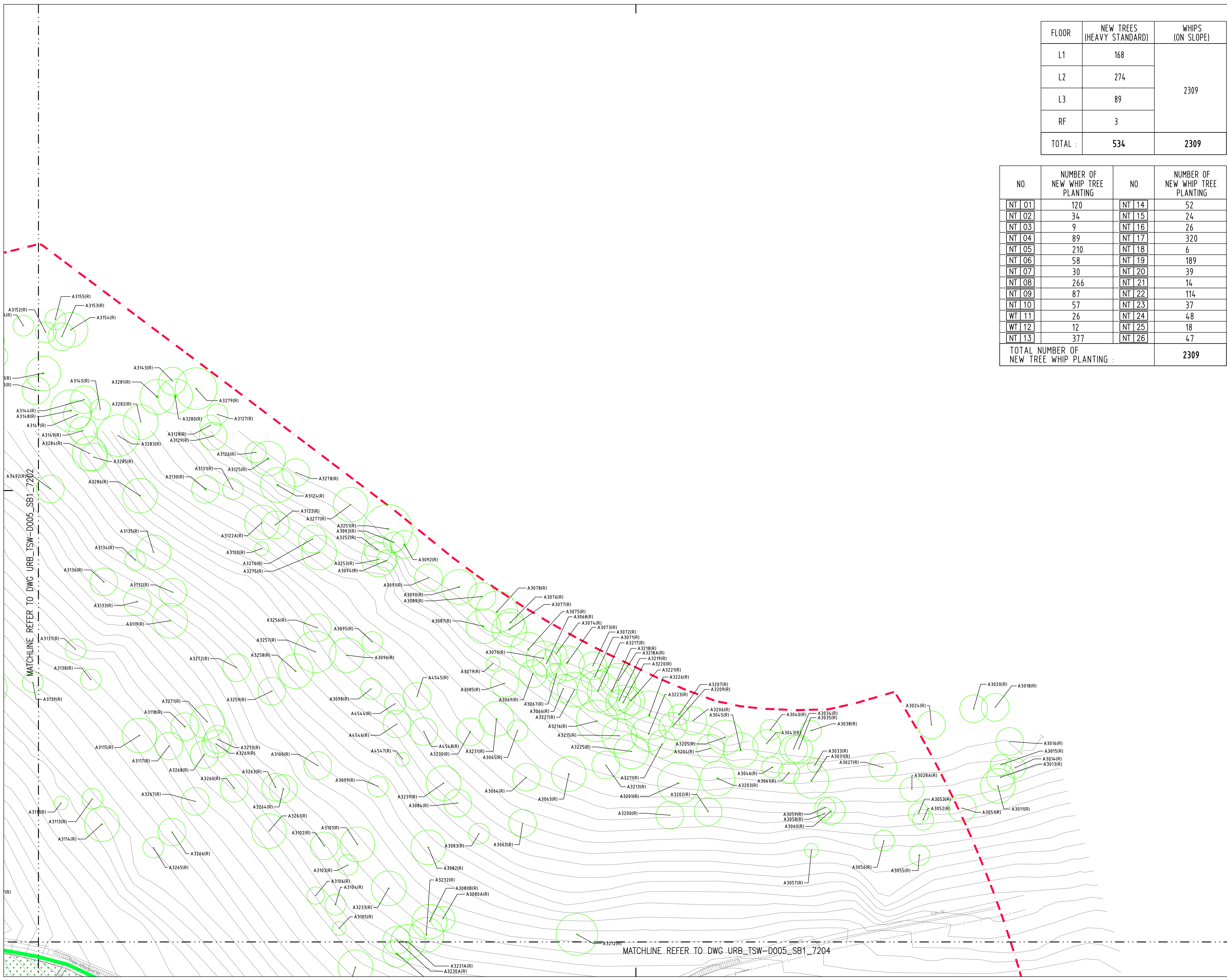
FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309



NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	4,8
WT 12	12	NT 25	18
NT 13	377	NT 26	4,7
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	

LEGEND:

- TREE SURVEY BOUNDARY
- LOT BOUNDARY
- TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
- A3310(R) (Green circle) RETAINED TREE
- A0356(P) (Purple circle) RETAINED AND PRUNED TREE
- A0560(T) (Blue circle) TRANSPLANTED TREE
- (Q) (Black circle) NEW TREE (HEAVY STANDARD)
- PA SHRUB AND GROUNDCOVER PLANTING AREA
- LA LAWN AREA
- WA WATER AREA
- HYDROSEEDED AREA
- NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
- VERTICAL GREENING



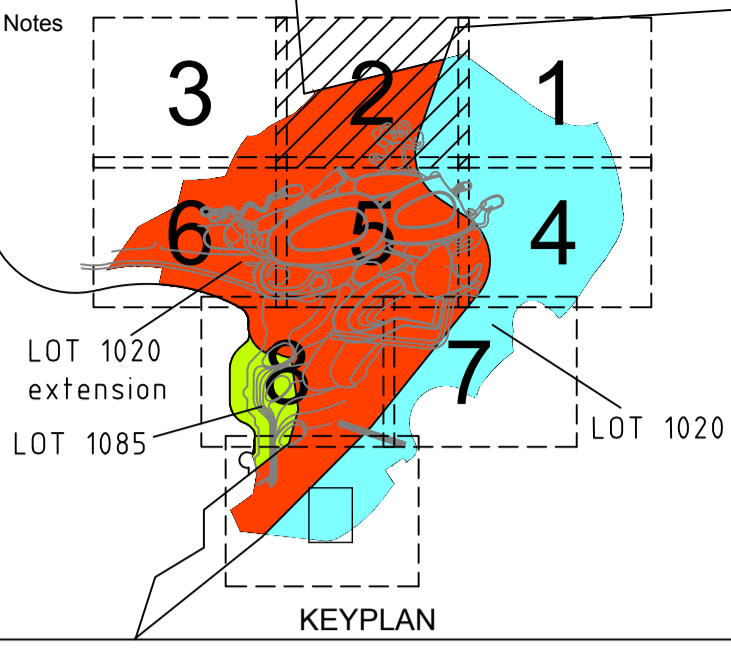
ISSUED TO RESPONSE GOV. COMMENTS	16JUN2020	SE	
Rev.	Description	Issue Date	Initial
Original by	Date	Draw	Check App
TL	16JUN20	PL	TL SE
Client			
Lead Consultant & Interior Design Consultant			
Structural and Façade Engineers			
Civil & Geotechnical Consultant			
M&E Engineer			
Waterpark Design Consultant			
Together with Other Specialist Consultants			
Urbis Limited Shen Miso & Wilke Lanbase Surveyors Limited Lighting Planners Associates (HK) Ltd. MVA Hong Kong Limited Food Service Consultants, Ltd. Vision Planning Consultants Ltd. Advanced Aquarium Technologies Intelibuild Technyx Asia Limited Studio Hanson Roberts			
Project			
OCEAN PARK TAI SHUE WAN DEVELOPMENT			
Contract No. and Contract Title			
TSW-D005 LEAD DESIGN CONSULTANT			
Drawing Title			
NEW PLANTING PLAN - LEVEL 1 (SHEET 1)			
Computer file	Plot Date	Scale	
URB_TSW-D005_SB1_7201.DWG	16JUN20	1:250 (A1)	
Drawing Number	Rev.	Issue status	
URB_TSW-D005_SB1_7201	-		

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I:\AED\DWG_GA...LMP and TPRP Submission URB_TSW-D005-SB1_7201.dwg, 15.06.2020 18:38:44

FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
NT 11	26	NT 24	48
NT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	



- LEGEND:**
- TREE SURVEY BOUNDARY
 - LOT BOUNDARY
 - TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
 - RETAINED TREE
 - RETAINED AND PRUNED TREE
 - TRANSPLANTED TREE
 - NEW TREE (HEAVY STANDARD)
 - PA SHRUB AND GROUND COVER PLANTING AREA
 - LA LAWN AREA
 - WA WATER AREA
 - HYDROSEEDED AREA
 - NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
 - VERTICAL GREENING

Rev.	Description	Date	Draw	Check	App
-	ISSUED TO RESPONSE GOV. COMMENTS	16JUN20	SE		
TL		16JUN20	PL	TL	SE

Client
 Ocean Park Corporation

Lead Consultant & Interior Design Consultant
 Aedas Limited
 31/F One Island East
 18 Westlands Road
 Quarry Bay
 Hong Kong

Structural and Façade Engineers
 Buro Happold
 3807-3809, Hopewell Centre,
 183 Queen's Road East, Wan Chai,
 Hong Kong

Civil & Geotechnical Consultant
 Jacobs China Limited
 15th Floor, Cornwall House, Taikoo Place,
 979 King's Road, Quarry Bay, HK

M&E Engineer
 Meinhardt
 4/F Wah Ming Centre,
 421 Queen's Road West, Hong Kong

Waterpark Design Consultant
 Water Technology Inc.
 100 Park Avenue, Beaver Dam,
 WI 53916, USA

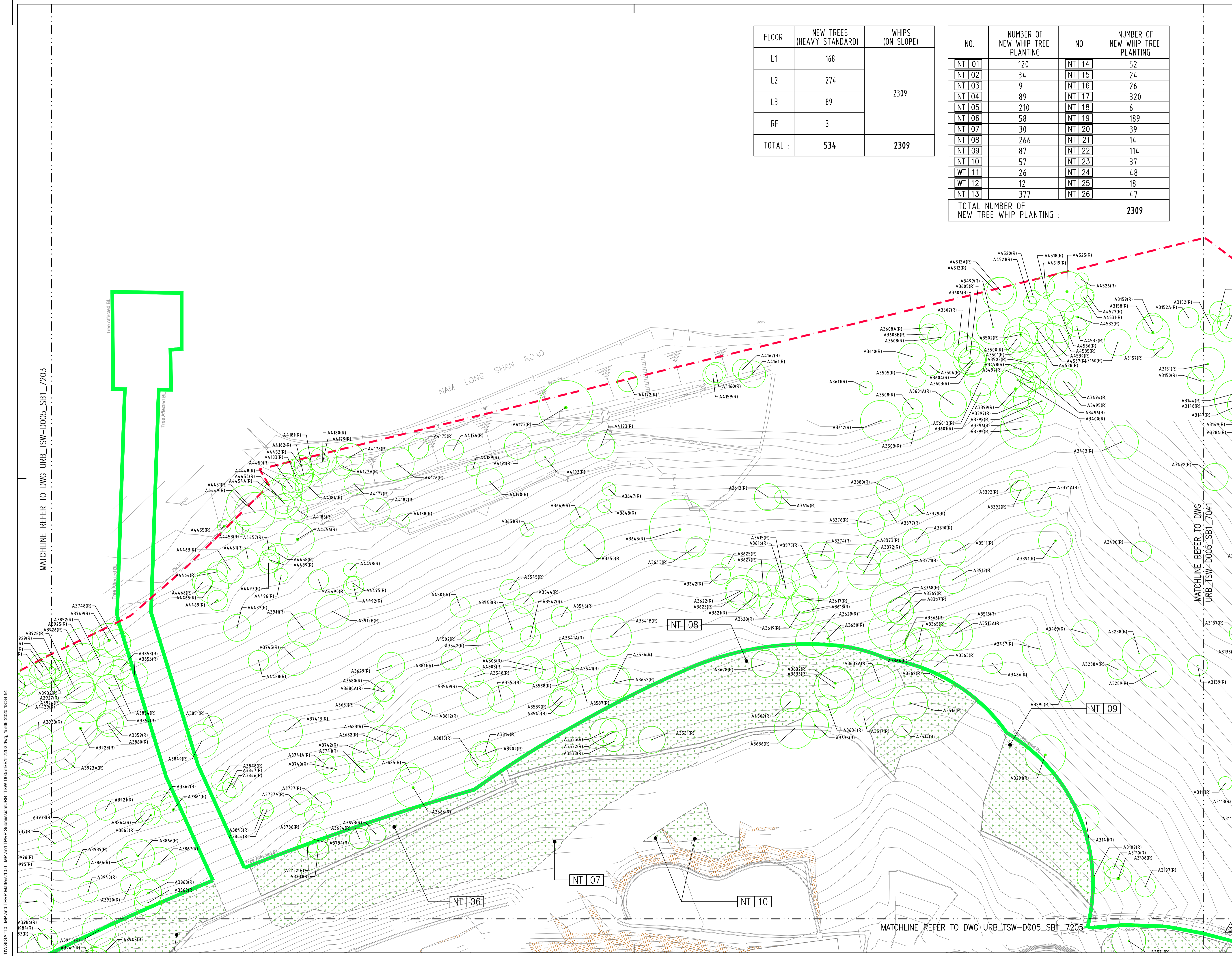
- Together with Other Specialist Consultants**
- Urbis Limited
 - Lanbase Surveyors Limited
 - MVA Hong Kong Limited
 - Vision Planning Consultants Ltd.
 - Intelbuild Technyx Asia Limited
 - Shen Mison & Wilke
 - Lighting Planners Associates (HK) Ltd.
 - Food Service Consultants, Ltd.
 - Advanced Aquarium Technologies
 - Studio Hanson Roberts

Project
OCEAN PARK TAI SHUE WAN DEVELOPMENT
 Contract No. and Contract Title
TSW-D005 LEAD DESIGN CONSULTANT

Drawing Title
NEW PLANTING PLAN - LEVEL 1 (SHEET 02)

Computer file URB_TSW-D005_SB1_7202.DWG	Plot Date 16JUN20	Scale 1:250 (A1)
Drawing Number URB_TSW-D005_SB1_7202	Rev.	Issue status

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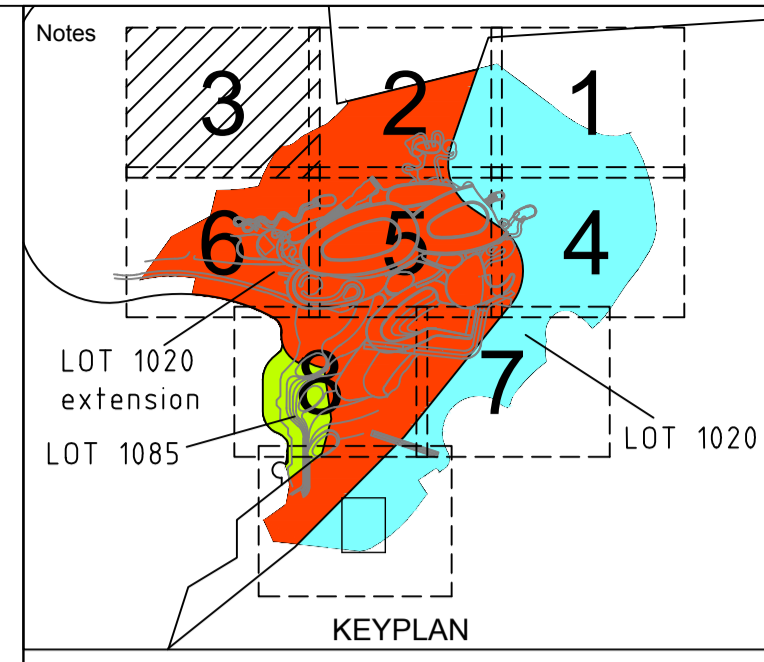
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FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	



LEGEND:

- TREE SURVEY BOUNDARY
- LOT BOUNDARY
- TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
- A3310(R) ○ RETAINED TREE
- A0356(P) ○ RETAINED AND PRUNED TREE
- A0560(T) ○ TRANSPLANTED TREE
- NEW TREE (HEAVY STANDARD)
- PA SHRUB AND GROUNDCOVER PLANTING AREA
- LA LAWN AREA
- WA WATER AREA
- HYDROSEED AREA
- NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
- VERTICAL GREENING

ISSUED TO RESPONSE GOV. COMMENTS	16JUN2020	SE
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Rev.	Description	Issue Date	Initial
TL		16JUN20	PL TL SE

Client

Ocean Park Corporation

Lead Consultant & Interior Design Consultant

Aedas Limited
31/F One Island East
18 Westlands Road
Quarry Bay
Hong Kong

Structural and Façade Engineers

Buro Happold
3807-3809, Hopewell Centre,
183 Queen's Road East, Wan Chai,
Hong Kong

Civil & Geotechnical Consultant

JACOBS
Jacobs China Limited
15th Floor, Cornwall House, Taikoo Place,
979 King's Road, Quarry Bay, HK

M&E Engineer

MEINHARDT
4/F Wah Ming Centre,
421 Queen's Road West, Hong Kong

Waterpark Design Consultant

WTI
Water Technology Inc.
100 Park Avenue, Beaver Dam,
WI 53916, USA

Together with Other Specialist Consultants

Urbis Limited Shen Mison & Wilke
Lanbase Surveyors Limited Lighting Planners Associates (HK) Ltd.
MVA Hong Kong Limited Food Service Consultants, Ltd.
Vision Planning Consultants Ltd. Advanced Aquarium Technologies
Intelbuild Technyx Asia Limited Studio Hanson Roberts

Project
**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Contract No. and Contract Title
**TSW-D005
LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN - LEVEL 1
(SHEET 03)**

Computer file URB_TSW-D005_SB1_7203.DWG	Plot Date 16JUN20	Scale 1:250 (A1)
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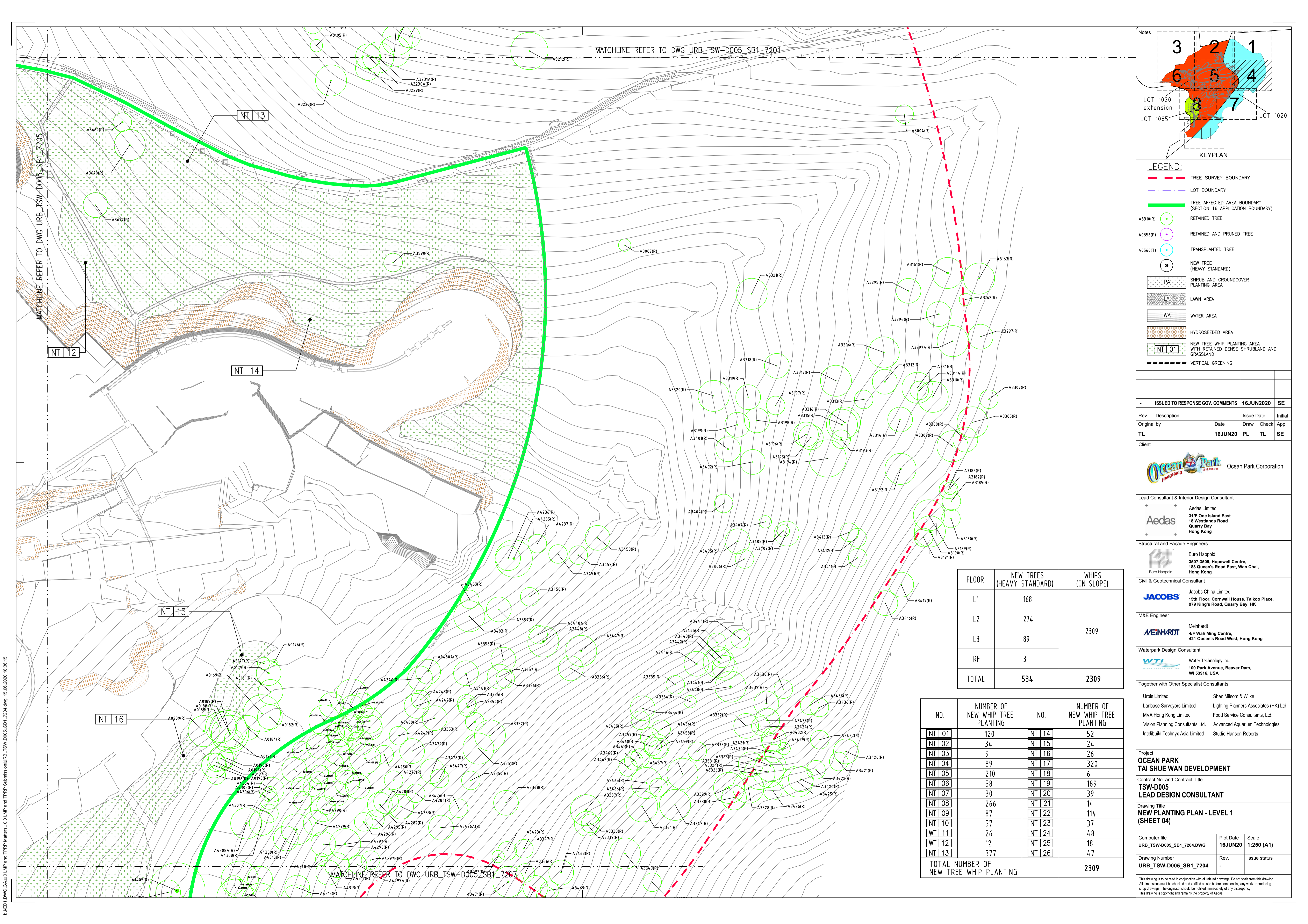
Drawing Number URB_TSW-D005_SB1_7203	Rev.	Issue status
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MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7202

MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7206

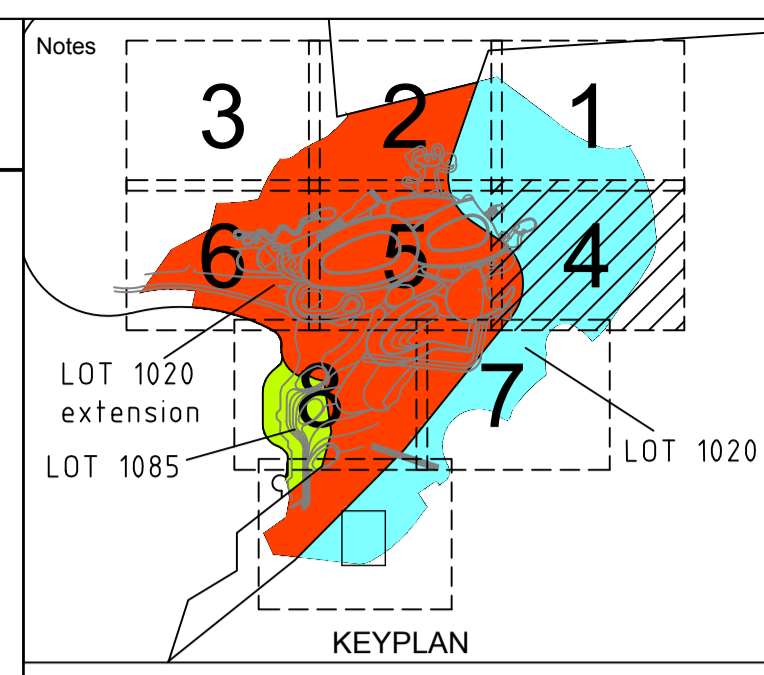
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MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7201

MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7205

MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7207



- LEGEND:**
- TREE SURVEY BOUNDARY
 - LOT BOUNDARY
 - TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
 - RETAINED TREE
 - RETAINED AND PRUNED TREE
 - TRANSPLANTED TREE
 - NEW TREE (HEAVY STANDARD)
 - PA SHRUB AND GROUND COVER PLANTING AREA
 - LA LAWN AREA
 - WA WATER AREA
 - HT HYDROSEEDED AREA
 - NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
 - VERTICAL GREENING

Client

Ocean Park Corporation

Lead Consultant & Interior Design Consultant

Aedas Limited
31/F One Island East
18 Westlands Road
Quarry Bay
Hong Kong

Structural and Façade Engineers

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Hong Kong

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421 Queen's Road West, Hong Kong

Waterpark Design Consultant

Water Technology Inc.
100 Park Avenue, Beaver Dam,
WI 53916, USA

- Together with Other Specialist Consultants
- Urbis Limited
 - Lanbase Surveyors Limited
 - MVA Hong Kong Limited
 - Vision Planning Consultants Ltd.
 - Intelbuild Technyx Asia Limited
 - Shen Mison & Wilke
 - Lighting Planners Associates (HK) Ltd.
 - Food Service Consultants, Ltd.
 - Advanced Aquarium Technologies
 - Studio Hanson Roberts

Project
**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Contract No. and Contract Title
**TSW-D005
LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN - LEVEL 1
(SHEET 04)**

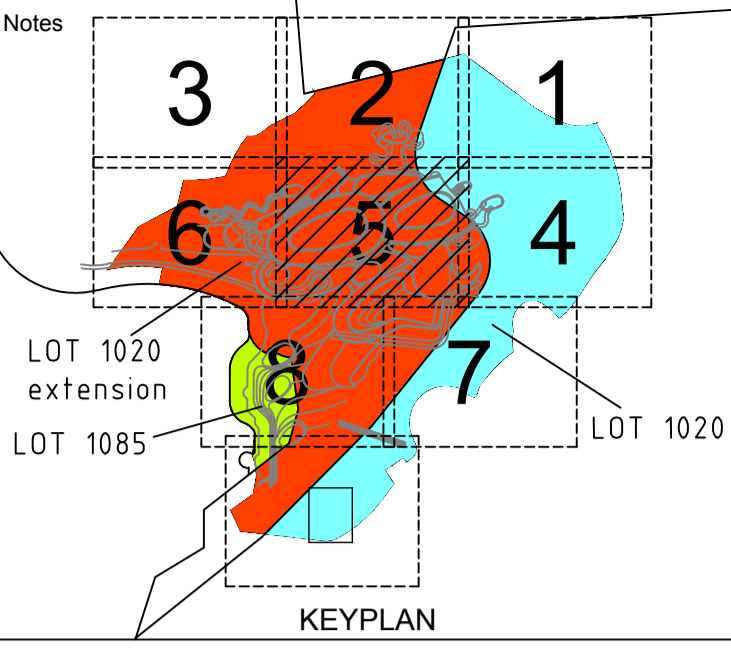
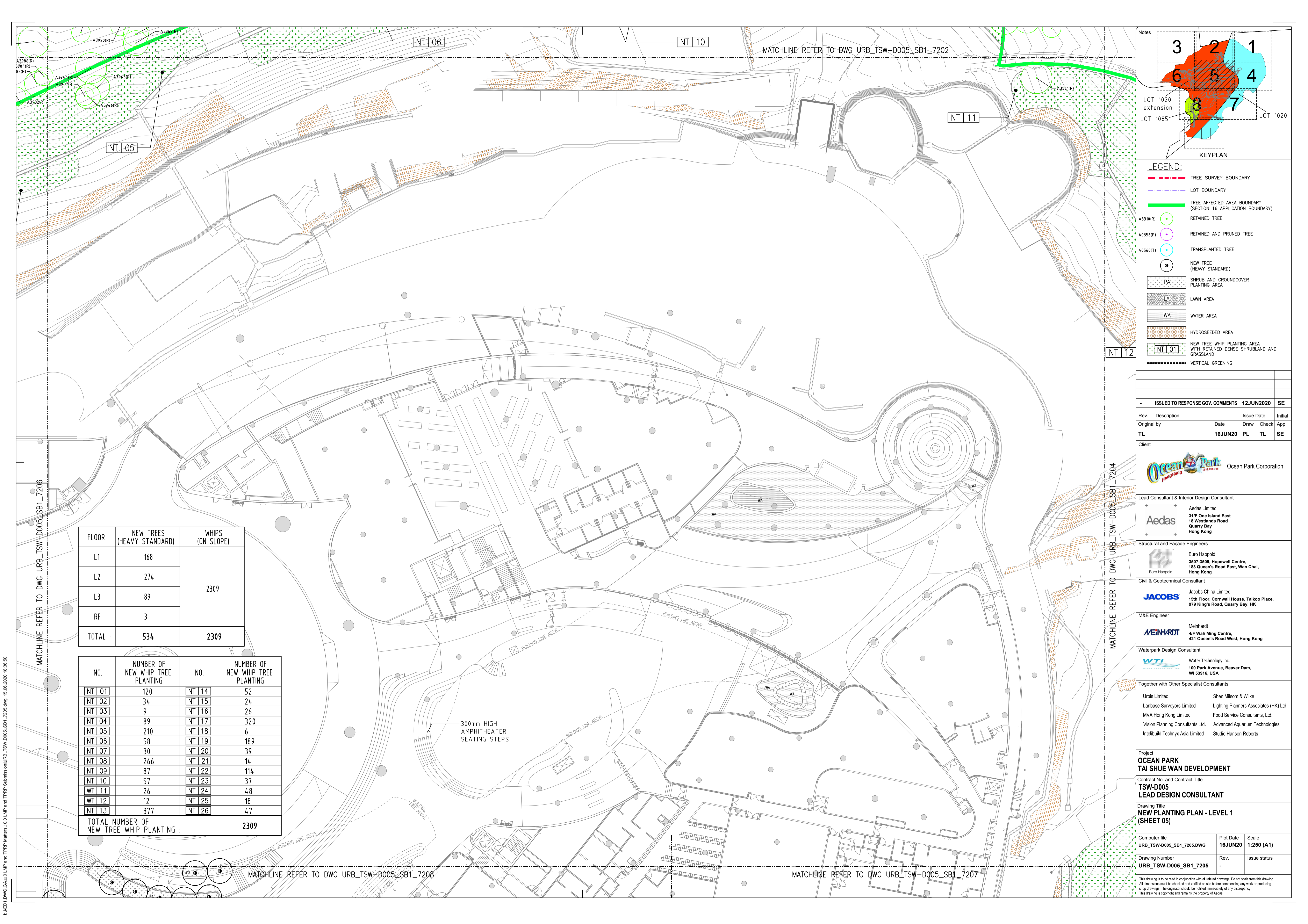
Computer file URB_TSW-D005_SB1_7204.DWG	Plot Date 16JUN20	Scale 1:250 (A1)
Drawing Number URB_TSW-D005_SB1_7204	Rev.	Issue status

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FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
NT 11	26	NT 24	48
NT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :			2309

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- LEGEND:**
- TREE SURVEY BOUNDARY
 - LOT BOUNDARY
 - TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
 - A3310(R) RETAINED TREE
 - A0356(IP) RETAINED AND PRUNED TREE
 - A0560(T) TRANSPLANTED TREE
 - NEW TREE (HEAVY STANDARD)
 - PA SHRUB AND GROUNDCOVER PLANTING AREA
 - LA LAWN AREA
 - WA WATER AREA
 - HT HYDROSEEDING AREA
 - NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
 - VERTICAL GREENING

ISSUED TO RESPONSE GOV. COMMENTS	12JUN2020	SE
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Rev.	Description	Date	Draw	Check	App
TL		16JUN20	PL	TL	SE

Client

Ocean Park Corporation

Lead Consultant & Interior Design Consultant

Aedas Limited
31/F One Island East
18 Westlands Road
Quarry Bay
Hong Kong

Structural and Façade Engineers

Buro Happold
3807-3809, Hopewell Centre,
183 Queen's Road East, Wan Chai,
Hong Kong

Civil & Geotechnical Consultant

JACOBS China Limited
15th Floor, Cornwall House, Taikoo Place,
979 King's Road, Quarry Bay, HK

M&E Engineer

Meinhardt
4/F Wah Ming Centre,
421 Queen's Road West, Hong Kong

Waterpark Design Consultant

Water Technology Inc.
100 Park Avenue, Beaver Dam,
WI 53916, USA

Together with Other Specialist Consultants

Urbis Limited	Shen Mison & Wilke
Lanbase Surveyors Limited	Lighting Planners Associates (HK) Ltd.
MVA Hong Kong Limited	Food Service Consultants, Ltd.
Vision Planning Consultants Ltd.	Advanced Aquarium Technologies
Intelbuild Technyx Asia Limited	Studio Hanson Roberts

Project
**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Contract No. and Contract Title
**TSW-D005
LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN - LEVEL 1
(SHEET 05)**

Computer file URB_TSW-D005_SB1_7205.DWG	Plot Date 16JUN20	Scale 1:250 (A1)
Drawing Number URB_TSW-D005_SB1_7205	Rev. -	Issue status

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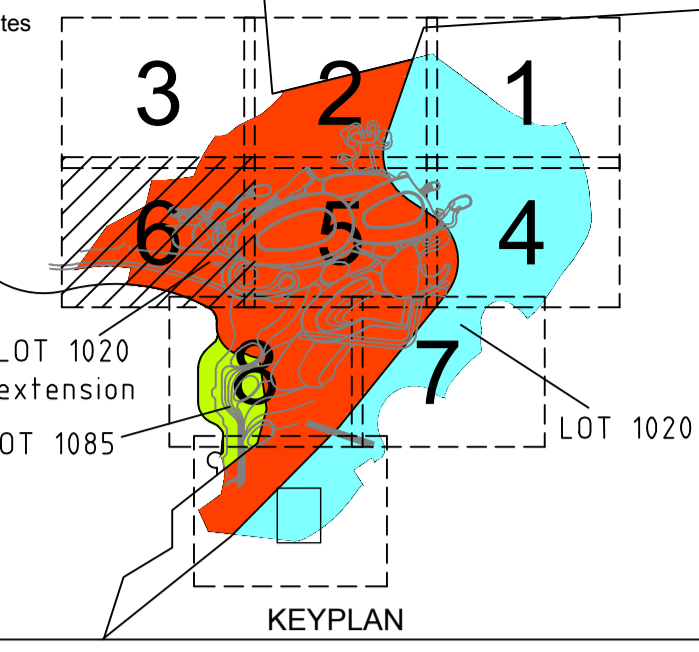
FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
NT 11	26	NT 24	48
NT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :			2309

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FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	



- LEGEND:**
- TREE SURVEY BOUNDARY
 - LOT BOUNDARY
 - TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
 - RETAINED TREE
 - RETAINED AND PRUNED TREE
 - TRANSPLANTED TREE
 - NEW TREE (HEAVY STANDARD)
 - PA SHRUB AND GROUNDCOVER PLANTING AREA
 - LA LAWN AREA
 - WA WATER AREA
 - HA HYDROSEEDED AREA
 - NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
 - VERTICAL GREENING

	ISSUED TO RESPONSE GOV. COMMENTS	12JUN2020	SE
Rev.	Description	Issue Date	Initial
Original by	Date	Draw	Check
TL	16JUN20	PL	TL

Client
 Ocean Park Corporation

Lead Consultant & Interior Design Consultant
 Aedas Limited
 31/F One Island East
 18 Westlands Road
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 Hong Kong

Structural and Façade Engineers
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 183 Queen's Road East, Wan Chai,
 Hong Kong

Civil & Geotechnical Consultant
 Jacobs China Limited
 15th Floor, Cornwall House, Taikoo Place,
 979 King's Road, Quarry Bay, HK

M&E Engineer
 Meinhardt
 4/F Wah Ming Centre,
 421 Queen's Road West, Hong Kong

Waterpark Design Consultant
 Water Technology Inc.
 100 Park Avenue, Beaver Dam,
 WI 53916, USA

Together with Other Specialist Consultants
 Urbis Limited Shen Mison & Wilke
 Lanbase Surveyors Limited Lighting Planners Associates (HK) Ltd.
 MVA Hong Kong Limited Food Service Consultants, Ltd.
 Vision Planning Consultants Ltd. Advanced Aquarium Technologies
 Intelbuild Technyx Asia Limited Studio Hanson Roberts

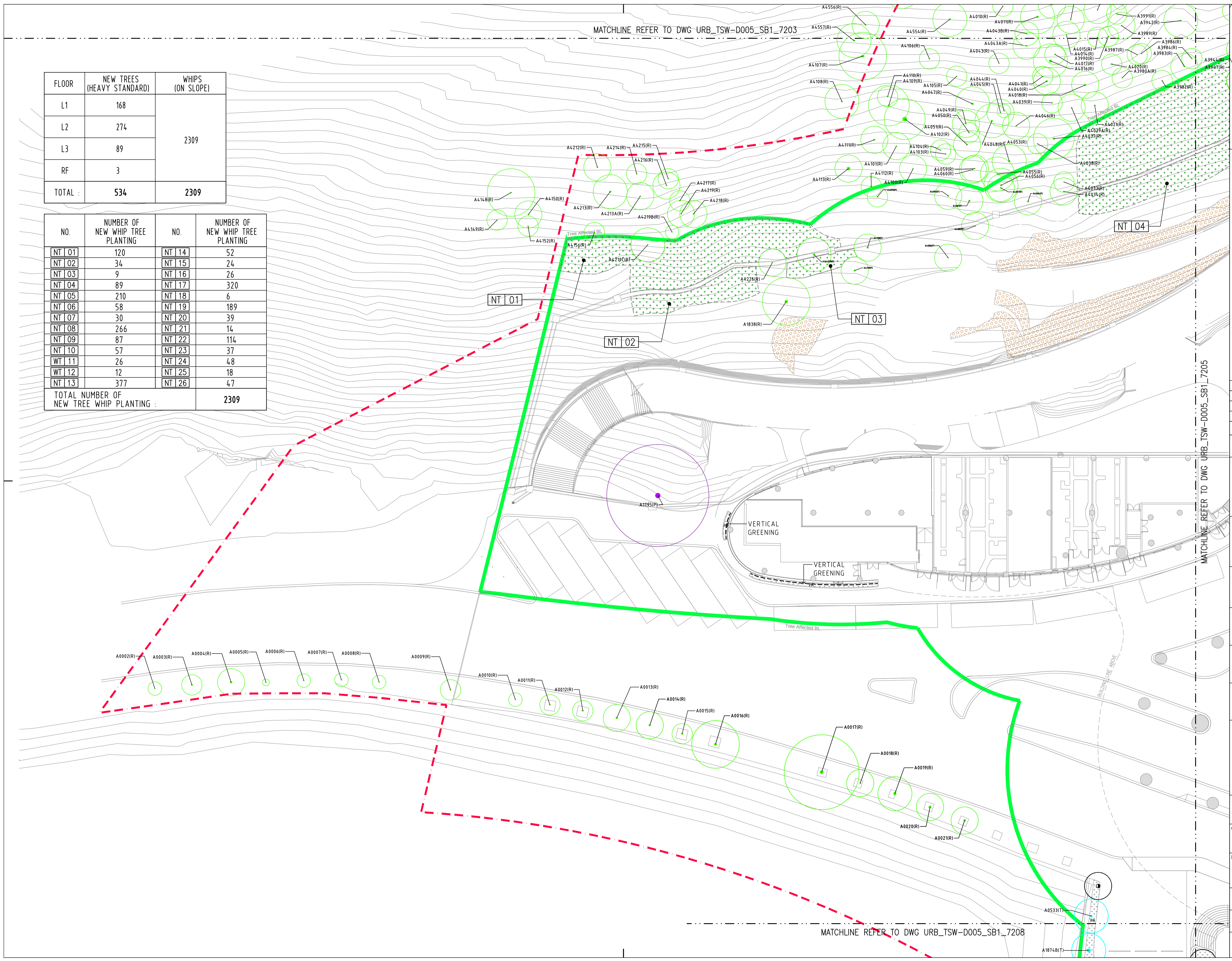
Project
**OCEAN PARK
 TAI SHUE WAN DEVELOPMENT**

Contract No. and Contract Title
**TSW-D005
 LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN - LEVEL 1
 (SHEET 06)**

Computer file URB_TSW-D005_SB1_7206.DWG	Plot Date 16JUN20	Scale 1:250 (A1)
Drawing Number URB_TSW-D005_SB1_7206	Rev. -	Issue status

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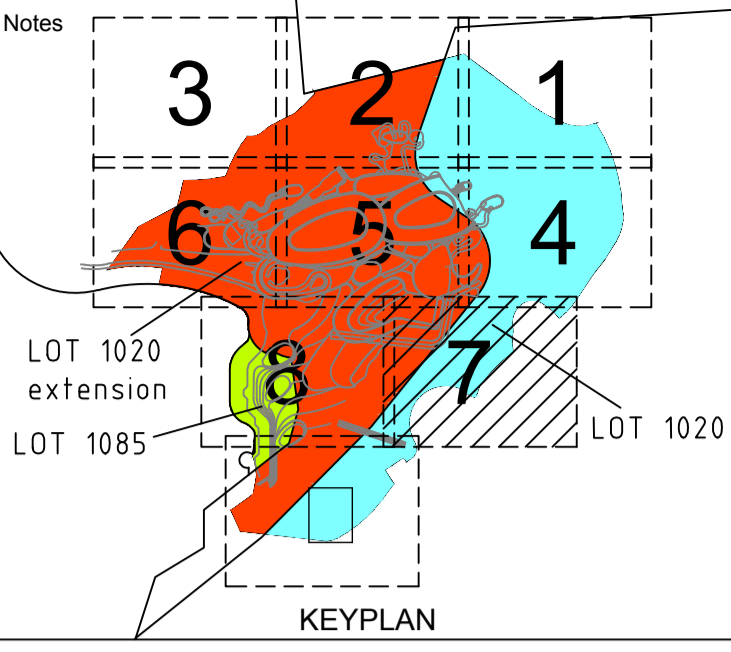
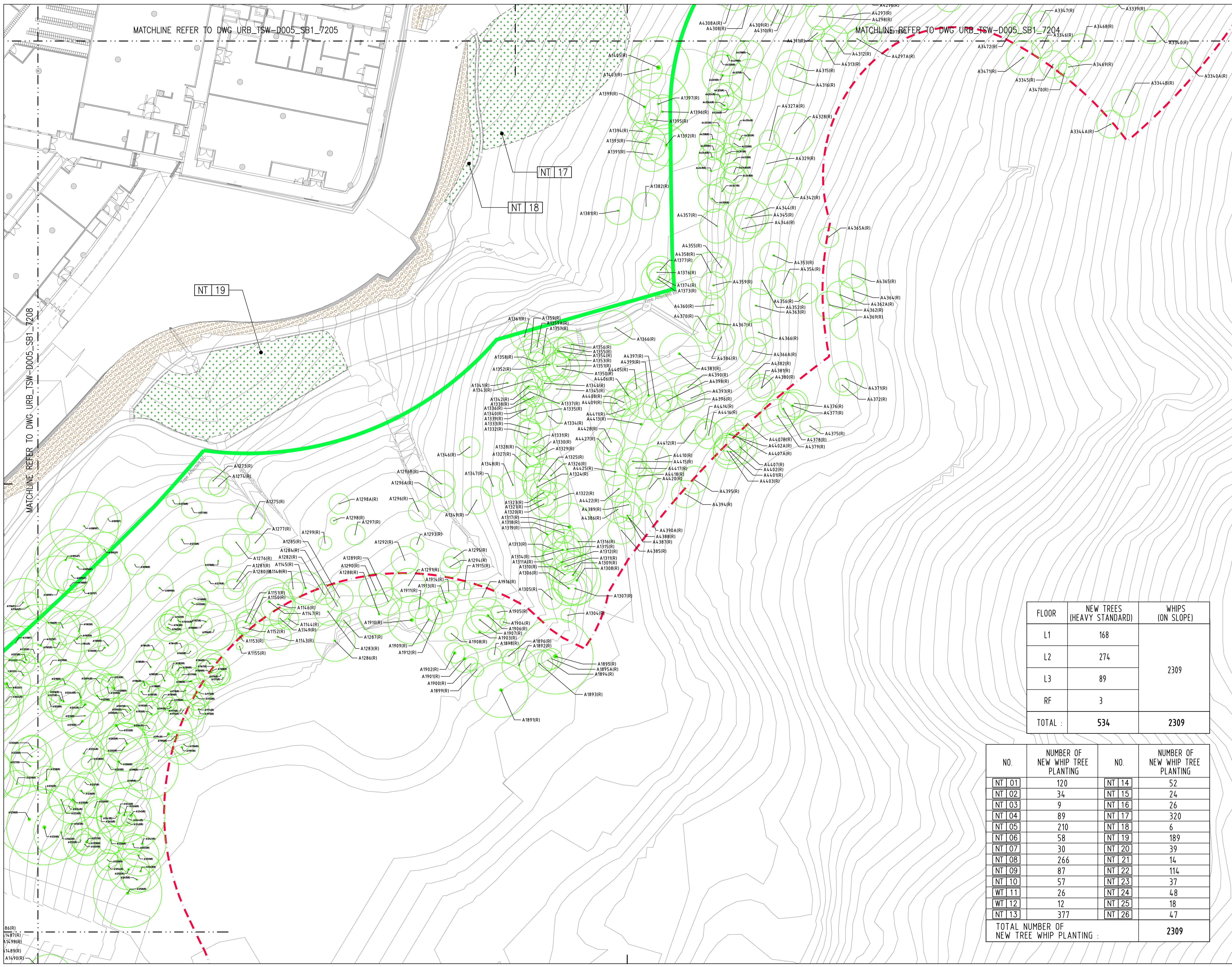


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MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7203

MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7205

MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7208



- LEGEND:**
- TREE SURVEY BOUNDARY
 - LOT BOUNDARY
 - TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
 - RETAINED TREE
 - RETAINED AND PRUNED TREE
 - TRANSPLANTED TREE
 - NEW TREE (HEAVY STANDARD)
 - PA SHRUB AND GROUND COVER PLANTING AREA
 - LA LAWN AREA
 - WA WATER AREA
 - HA HYDROSEEDED AREA
 - NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
 - VERTICAL GREENING

ISSUED TO RESPONSE GOV. COMMENTS	16JUN2020	SE	
Rev.	Description	Issue Date	Initial
Original by	Date	Draw	Check App
TL	16JUN20	PL	TL SE
Client			

Lead Consultant & Interior Design Consultant

Aedas
 Aedas Limited
 31/F One Island East
 18 Westlands Road
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Structural and Façade Engineers

Buro Happold
 Buro Happold
 3807-3809, Hopewell Centre,
 183 Queen's Road East, Wan Chai,
 Hong Kong

Civil & Geotechnical Consultant

JACOBS
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 15th Floor, Cornwall House, Taikoo Place,
 979 King's Road, Quarry Bay, HK

M&E Engineer

MEINHARDT
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Urbis Limited
 Lanbase Surveyors Limited
 MVA Hong Kong Limited
 Vision Planning Consultants Ltd.
 Intelibuild Techxny Asia Limited

Shen Mison & Wilke
 Lighting Planners Associates (HK) Ltd.
 Food Service Consultants, Ltd.
 Advanced Aquarium Technologies
 Studio Hanson Roberts

Project
**OCEAN PARK
 TAI SHUE WAN DEVELOPMENT**

Contract No. and Contract Title
**TSW-D005
 LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN - LEVEL 1
 (SHEET 07)**

Computer file	Plot Date	Scale
URB_TSW-D005_SB1_7207.DWG	16JUN20	1:250 (A1)
Drawing Number	Rev.	Issue status
URB_TSW-D005_SB1_7207	-	

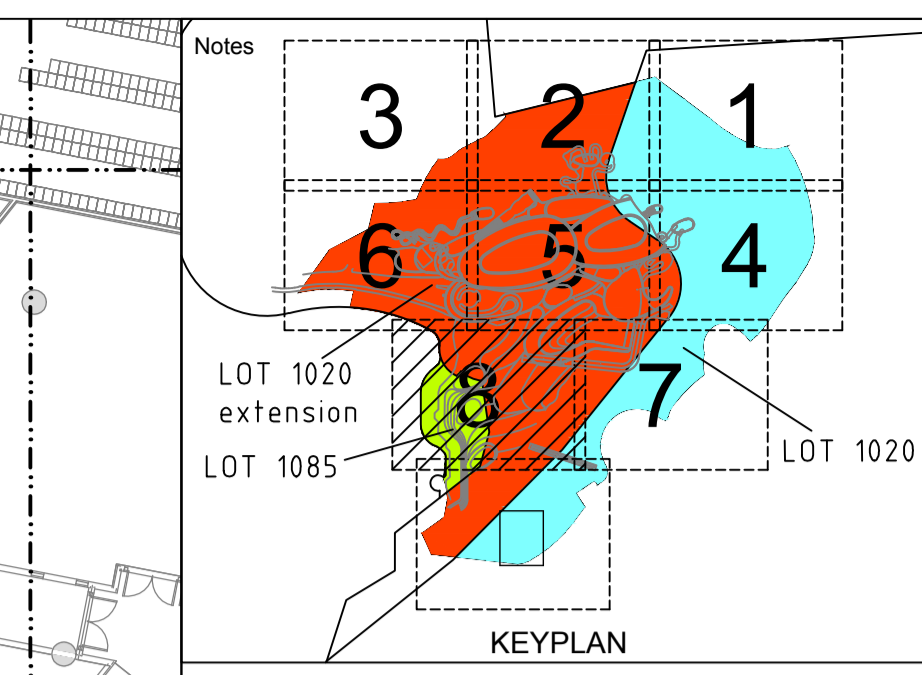
FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	
L2	274	
L3	89	2309
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :			2309

This drawing is to be read in conjunction with all related drawings. Do not scale from this drawing. All dimensions must be checked and verified on site before commencing any work or producing shop drawings. The originator should be notified immediately of any discrepancy. This drawing is copyright and remains the property of Aedas.

MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7206

MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7205

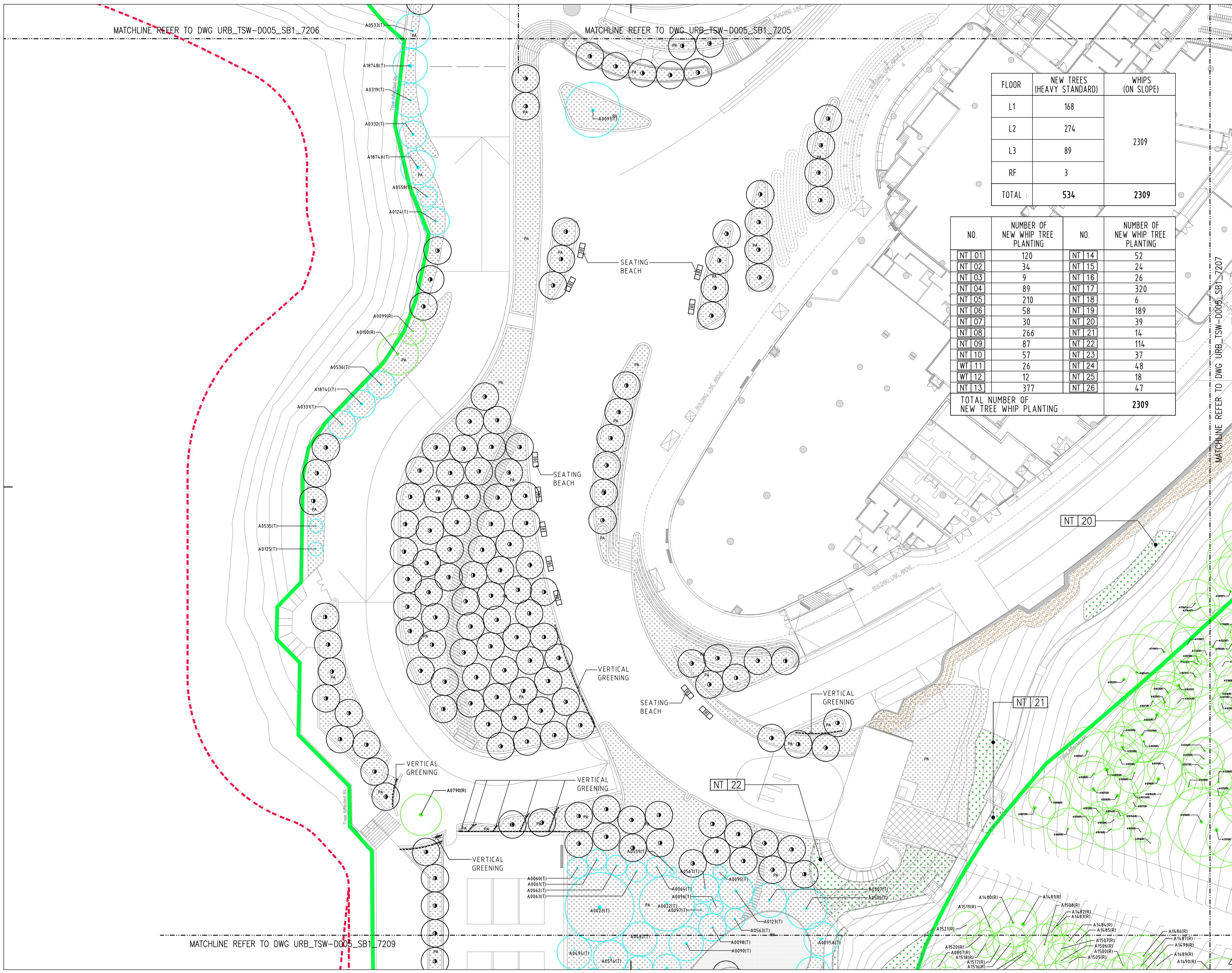


FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	

- LEGEND:**
- TREE SURVEY BOUNDARY
 - LOT BOUNDARY
 - TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
 - RETAINED TREE
 - RETAINED AND PRUNED TREE
 - TRANSPLANTED TREE
 - NEW TREE (HEAVY STANDARD)
 - PA SHRUB AND GROUND COVER PLANTING AREA
 - LA LAWN AREA
 - WA WATER AREA
 - HYDROSEED HYDROSEED AREA
 - NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
 - VERTICAL GREENING

MATCHLINE REFER TO DWG_URB_TSW-D005_SB1_7207



Rev.	Description	Issue Date	Initial
-	ISSUED TO RESPONSE GOV. COMMENTS	16JUN2020	SE
Original by	Date	Draw	Check
TL	16JUN20	PL	TL

Client
 Ocean Park Corporation

Lead Consultant & Interior Design Consultant
 Aedas Limited
 31/F One Island East
 18 Westlands Road
 Quarry Bay
 Hong Kong

Structural and Façade Engineers
 Buro Happold
 3807-3809, Hopewell Centre,
 183 Queen's Road East, Wan Chai,
 Hong Kong

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 Jacobs China Limited
 15th Floor, Cornwall House, Taikoo Place,
 979 King's Road, Quarry Bay, HK

M&E Engineer
 Meinhardt
 4/F Wah Ming Centre,
 421 Queen's Road West, Hong Kong

Waterpark Design Consultant
 Water Technology Inc.
 100 Park Avenue, Beaver Dam,
 WI 53916, USA

Together with Other Specialist Consultants
 Urbis Limited Shen Mison & Wilke
 Lanbase Surveyors Limited Lighting Planners Associates (HK) Ltd.
 MVA Hong Kong Limited Food Service Consultants, Ltd.
 Vision Planning Consultants Ltd. Advanced Aquarium Technologies
 Intelbuild Technyx Asia Limited Studio Hanson Roberts

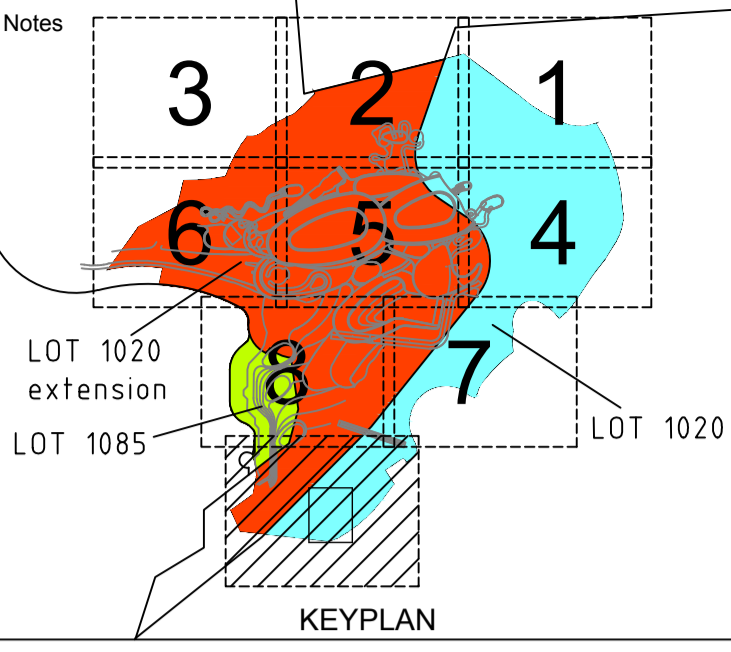
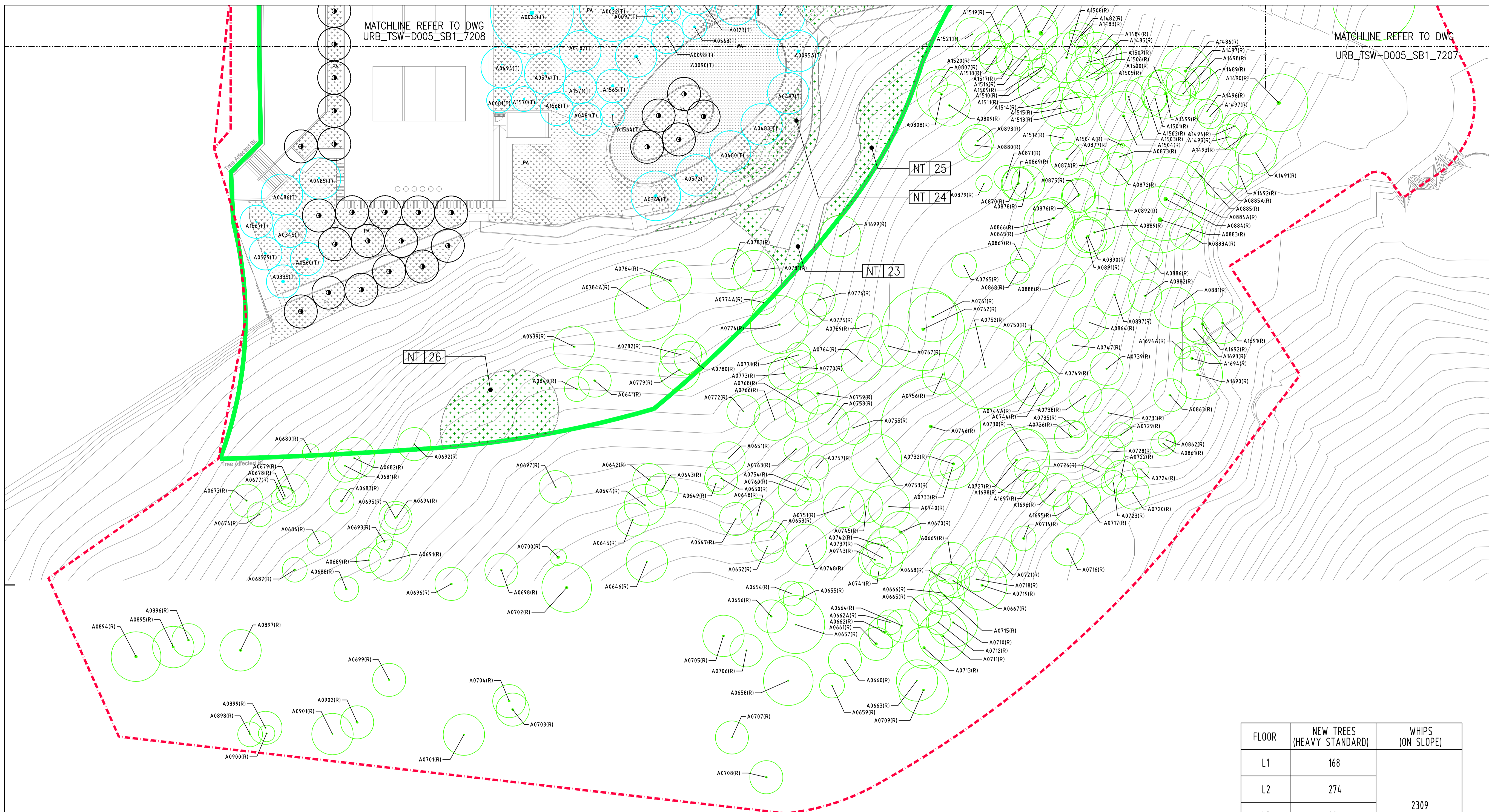
Project
**OCEAN PARK
 TAI SHUE WAN DEVELOPMENT**
 Contract No. and Contract Title
**TSW-D005
 LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN - LEVEL 1
 (SHEET 08)**

Computer file	Plot Date	Scale
URB_TSW-D005_SB1_7208.DWG	16JUN20	1:250 (A1)
Drawing Number	Rev.	Issue status
URB_TSW-D005_SB1_7208	-	

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- LEGEND:**
- TREE SURVEY BOUNDARY
 - LOT BOUNDARY
 - TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
 - RETAINED TREE
 - RETAINED AND PRUNED TREE
 - TRANSPLANTED TREE
 - NEW TREE (HEAVY STANDARD)
 - SHRUB AND GROUNDCOVER PLANTING AREA
 - LAWN AREA
 - WATER AREA
 - HYDROSEEDED AREA
 - NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
 - VERTICAL GREENING

Client

Ocean Park Corporation

Lead Consultant & Interior Design Consultant

Aedas Limited
31/F One Island East
18 Westlands Road
Quarry Bay
Hong Kong

Structural and Façade Engineers

Buro Happold
3807-3809, Hopewell Centre,
183 Queen's Road East, Wan Chai,
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Civil & Geotechnical Consultant

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M&E Engineer

Meinhardt
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421 Queen's Road West, Hong Kong

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Together with Other Specialist Consultants

- Urbis Limited
- Lanbase Surveyors Limited
- MVA Hong Kong Limited
- Vision Planning Consultants Ltd.
- Intelbuild Technyx Asia Limited
- Shen Mison & Wilke
- Lighting Planners Associates (HK) Ltd.
- Food Service Consultants, Ltd.
- Advanced Aquarium Technologies
- Studio Hanson Roberts

Project

**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Contract No. and Contract Title

**TSW-D005
LEAD DESIGN CONSULTANT**

Drawing Title

**NEW PLANTING PLAN - LEVEL 1
(SHEET 09)**

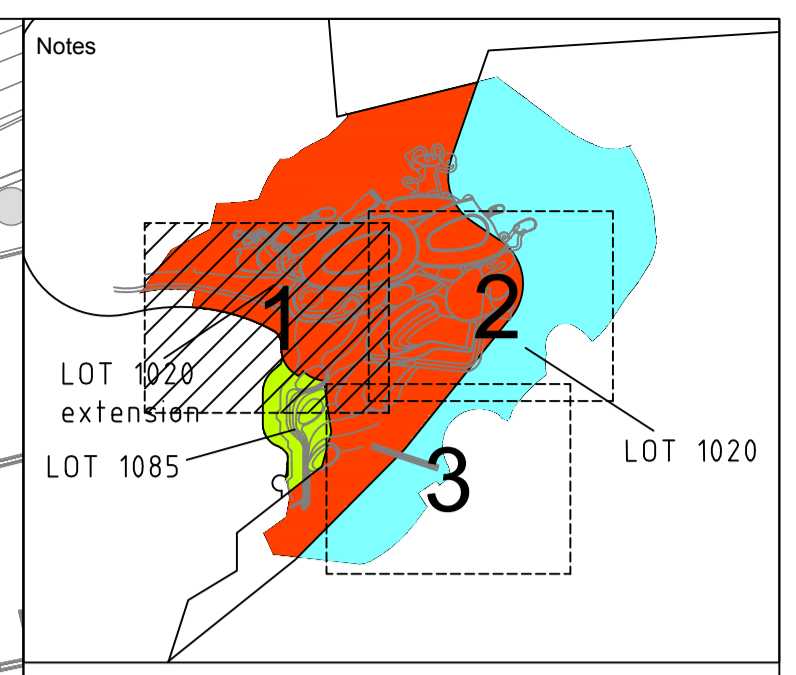
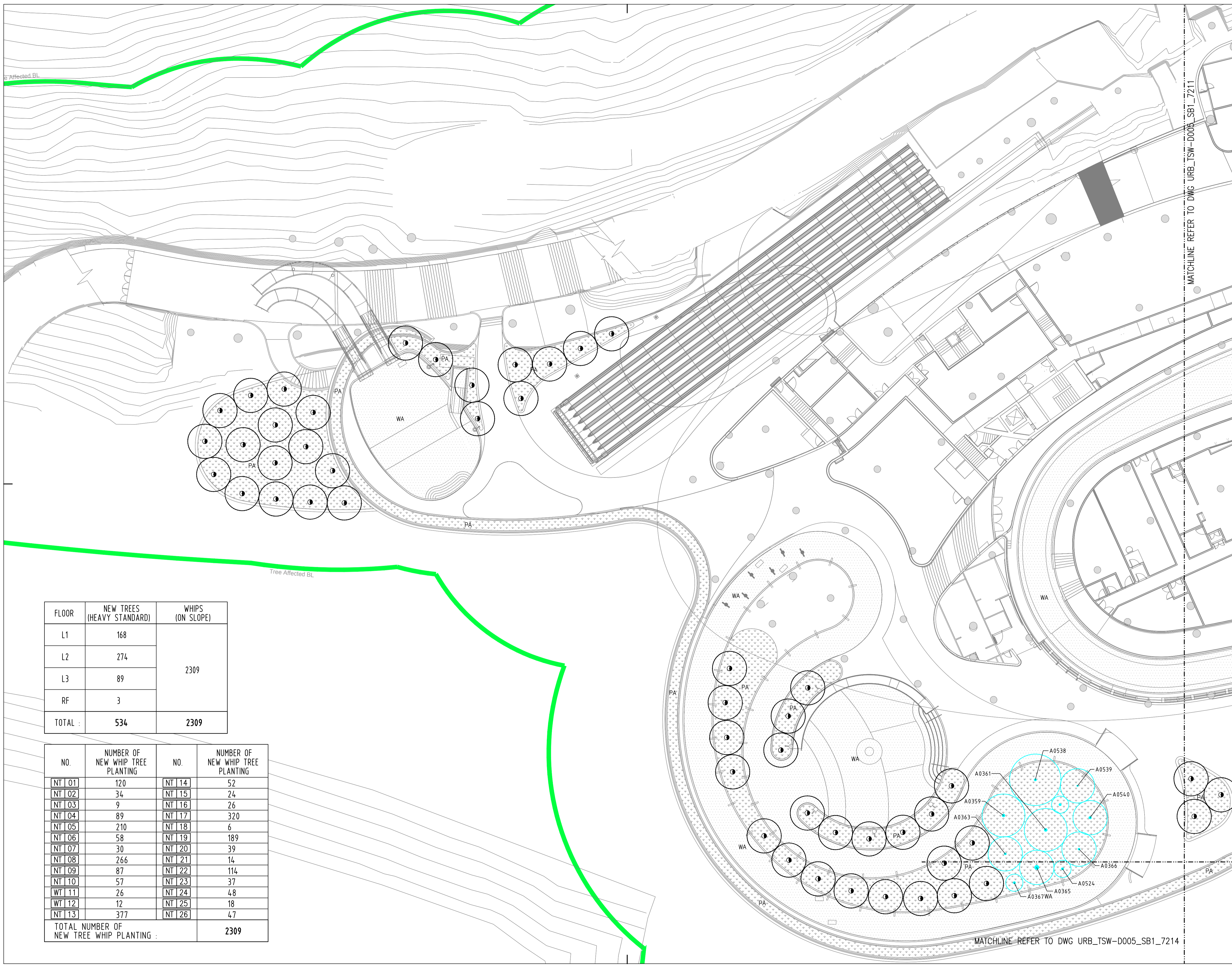
Computer file	Plot Date	Scale
URB_TSW-D005_SB1_7209.DWG	16JUN20	1:250 (A1)
Drawing Number	Rev.	Issue status
URB_TSW-D005_SB1_7209	-	

This drawing is to be read in conjunction with all related drawings. Do not scale from this drawing. All dimensions must be checked and verified on site before commencing any work or producing shop drawings. The originator should be notified immediately of any discrepancy. This drawing is copyright and remains the property of Aedas.

FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	

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LEGEND:

- TREE SURVEY BOUNDARY
- LOT BOUNDARY
- TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
- A3310(R) RETAINED TREE
- A0356(P) RETAINED AND PRUNED TREE
- A0560(T) TRANSPLANTED TREE
- NEW TREE (HEAVY STANDARD)
- SHRUB AND GROUNDCOVER PLANTING AREA
- LA LAWN AREA
- WA WATER AREA
- HYDROSEED AREA
- NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
- VERTICAL GREENING

-		ISSUED TO RESPONSE GOV. COMMENTS	16JUN2020	SE
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Rev.	Description	Date	Draw	Check	App
TL		16JUN20	PL	TL	SE

Client
 Ocean Park Corporation

Lead Consultant & Interior Design Consultant
 Aedas Limited
 31/F One Island East
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Civil & Geotechnical Consultant
 Jacobs China Limited
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M&E Engineer
 Meinhardt
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 421 Queen's Road West, Hong Kong

Waterpark Design Consultant
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Together with Other Specialist Consultants
 Urbis Limited Shen Mison & Wilke
 Lanbase Surveyors Limited Lighting Planners Associates (HK) Ltd.
 MVA Hong Kong Limited Food Service Consultants, Ltd.
 Vision Planning Consultants Ltd. Advanced Aquarium Technologies
 Intelbuild Technyx Asia Limited Studio Hanson Roberts

Project
**OCEAN PARK
 TAI SHUE WAK DEVELOPMENT**

Contract No. and Contract Title
**TSW-D005
 LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN - LEVEL 2
 (SHEET 01)**

Computer file URB_TSW-D005_SB1_7211.DWG	Plot Date 16JUN20	Scale 1:200 (A1)
Drawing Number URB_TSW-D005_SB1_7211	Rev. -	Issue status

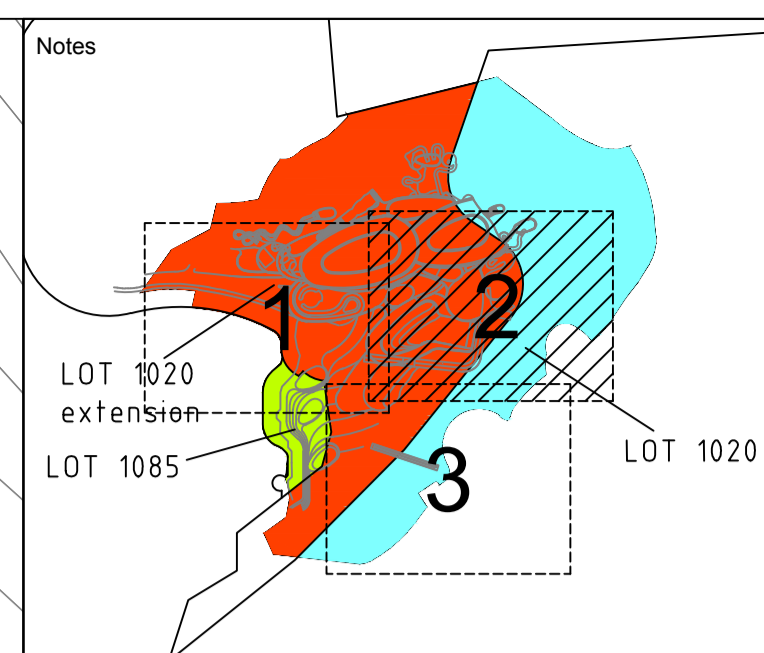
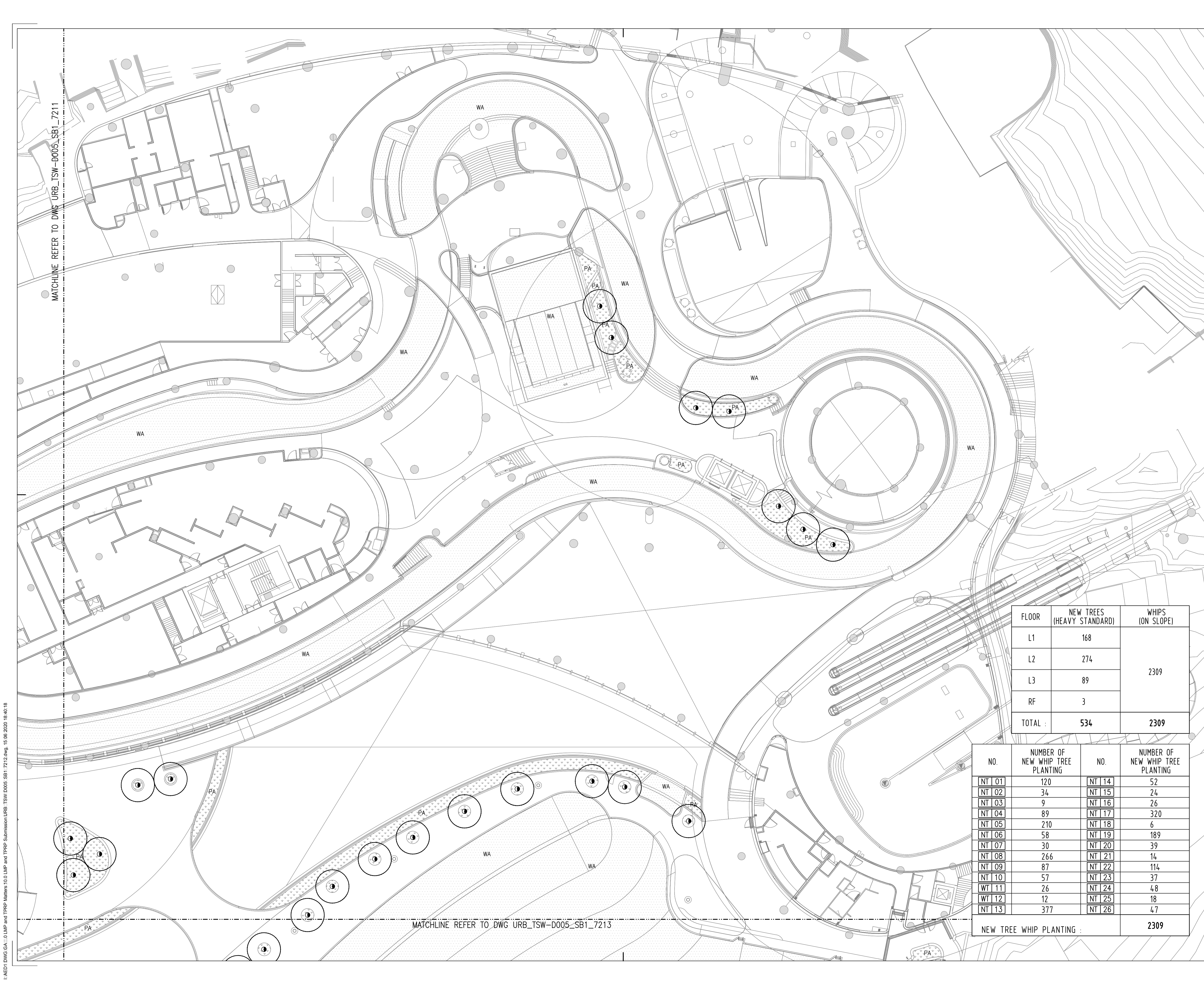
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FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :			2309

MATCHLINE REFER TO DWG URB_TSW-D005_SB1_7214

I:\AEDT\DWG_GA...LMP and TPRP Submission\URB_TSW-D005_SB1_7211.dwg, 15.06.2020 18:31:44



LEGEND:

- TREE SURVEY BOUNDARY
- LOT BOUNDARY
- TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
- A3310(R) RETAINED TREE
- A0356(P) RETAINED AND PRUNED TREE
- A0560(T) TRANSPLANTED TREE
- NEW TREE (HEAVY STANDARD)
- SHRUB AND GROUNDCOVER PLANTING AREA
- LA LAWN AREA
- WA WATER AREA
- HYDROSEEDING AREA
- NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
- VERTICAL GREENING

-	ISSUED TO RESPONSE GOV. COMMENTS	16JUN2020	SE
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Rev.	Description	Date	Draw	Check	App
Original by		16JUN20	PL	TL	SE

Client

Ocean Park Corporation

Lead Consultant & Interior Design Consultant

Aedas Limited
31/F One Island East
18 Westlands Road
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Together with Other Specialist Consultants

Urbis Limited	Shen Mison & Wilke
Lanbase Surveyors Limited	Lighting Planners Associates (HK) Ltd.
MVA Hong Kong Limited	Food Service Consultants, Ltd.
Vision Planning Consultants Ltd.	Advanced Aquarium Technologies
Intelbuild Technyx Asia Limited	Studio Hanson Roberts

Project

**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Contract No. and Contract Title

**TSW-D005
LEAD DESIGN CONSULTANT**

Drawing Title

**NEW PLANTING PLAN - LEVEL 2
(SHEET 02)**

Computer file	Plot Date	Scale
URB_TSW-D005_SB1_7212.DWG	16JUN20	1:200 (A1)
Drawing Number	Rev.	Issue status
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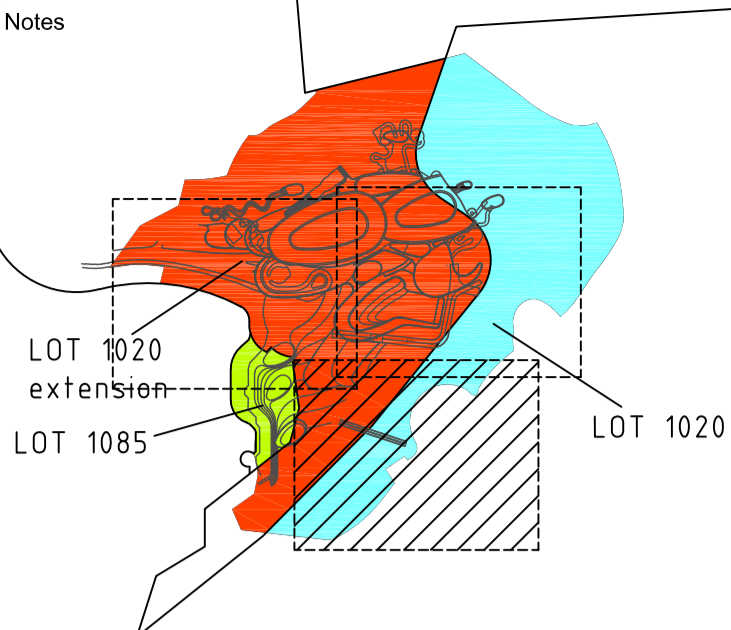
FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	4,8
WT 12	12	NT 25	18
NT 13	377	NT 26	4,7
NEW TREE WHIP PLANTING :		2309	

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MATCHLINE REFER TO DWG URB_TSW-D005_SB1_7211

MATCHLINE REFER TO DWG URB_TSW-D005_SB1_7212



- LEGEND:**
- TREE SURVEY BOUNDARY
 - LOT BOUNDARY
 - TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
 - A3310(R) RETAINED TREE
 - A0356(IP) RETAINED AND PRUNED TREE
 - A0560(T) TRANSPLANTED TREE
 - NEW TREE (HEAVY STANDARD)
 - PA SHRUB AND GROUNDCOVER PLANTING AREA
 - LA LAWN AREA
 - WA WATER AREA
 - H HYDROSEED AREA
 - NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
 - VERTICAL GREENING

-	ISSUED TO RESPONSE PLAND COMMENTS	06AUG2021	AD
-	ISSUED TO RESPONSE GOV. COMMENTS	16JUN2020	SE

Rev.	Description	Issue Date	Initial
Original by	Date	Draw	Check
TL	16JUN20	PL	TL

Client
 Ocean Park Corporation

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Urbis Limited	Shen Milsom & Wilke
Lanbase Surveyors Limited	Lighting Planners Associates (HK) Ltd.
MVA Hong Kong Limited	Food Service Consultants, Ltd.
Vision Planning Consultants Ltd.	Advanced Aquarium Technologies
Intelibuild Technyx Asia Limited	Studio Hanson Roberts

Project
**OCEAN PARK
 TAI SHUE WAN DEVELOPMENT**
 Contract No. and Contract Title
**TSW-D005
 LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN - LEVEL 2
 (SHEET 03)**

Computer file	Plot Date	Scale
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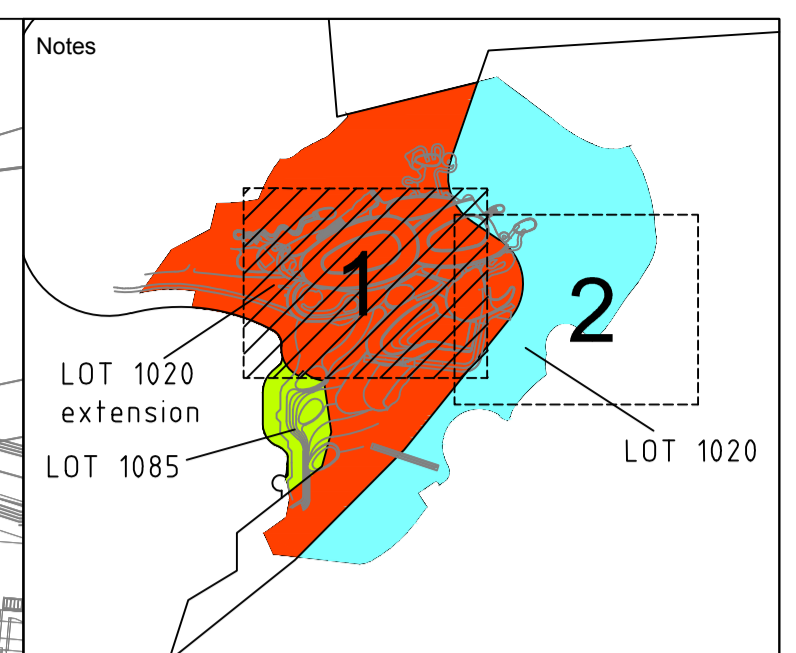
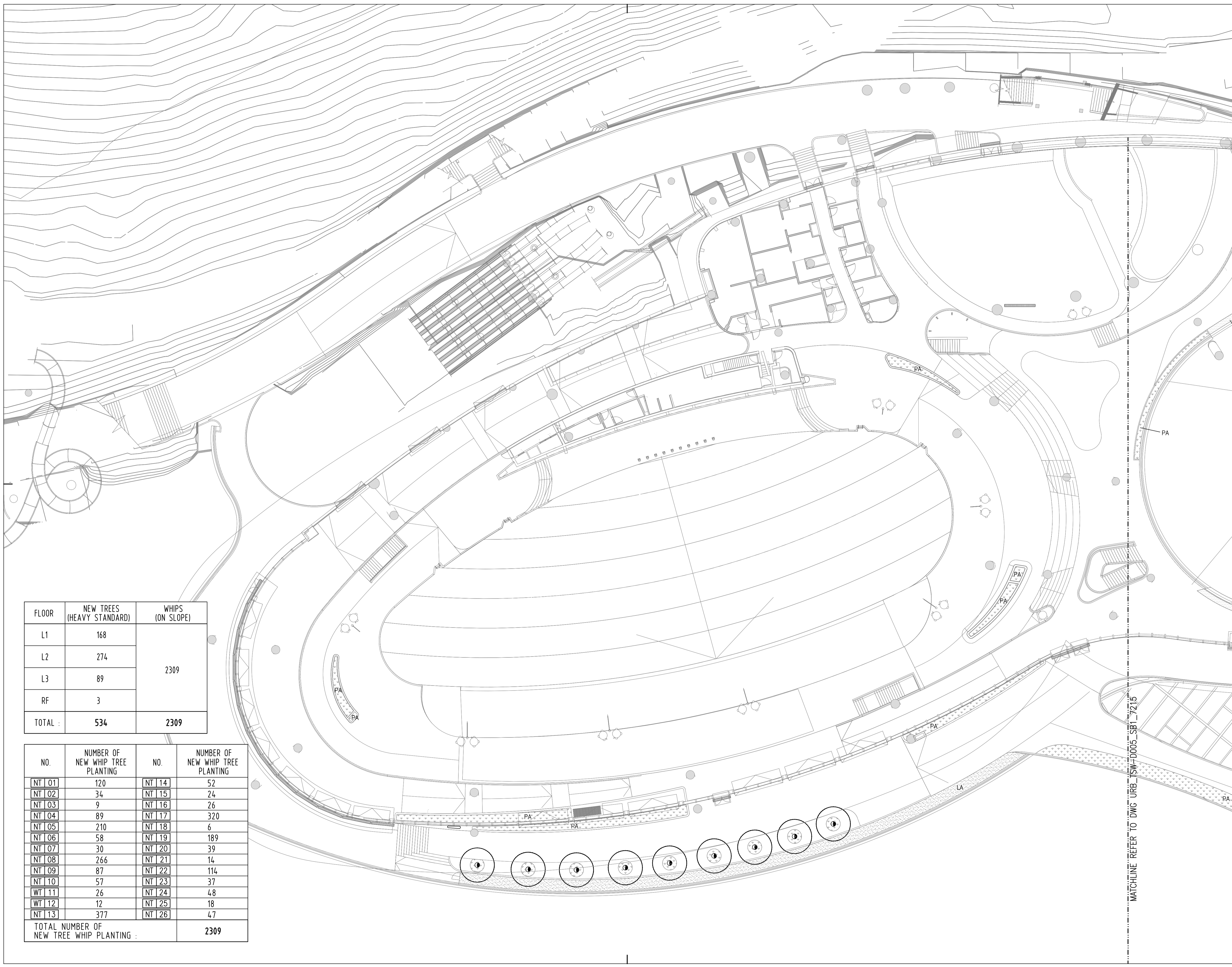
Drawing Number	Rev.	Issue status
URB_TSW-D005_SB1_7213	-	

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FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	

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LEGEND:

- - - TREE SURVEY BOUNDARY
- - - LOT BOUNDARY
- TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
- A3310(R) RETAINED TREE
- A0356(IP) RETAINED AND PRUNED TREE
- A0560(T) TRANSPLANTED TREE
- NEW TREE (HEAVY STANDARD)
- PA SHRUB AND GROUNDCOVER PLANTING AREA
- LA LAWN AREA
- WA WATER AREA
- [Pattern] HYDROSEEDED AREA
- NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
- - - - - VERTICAL GREENING

FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

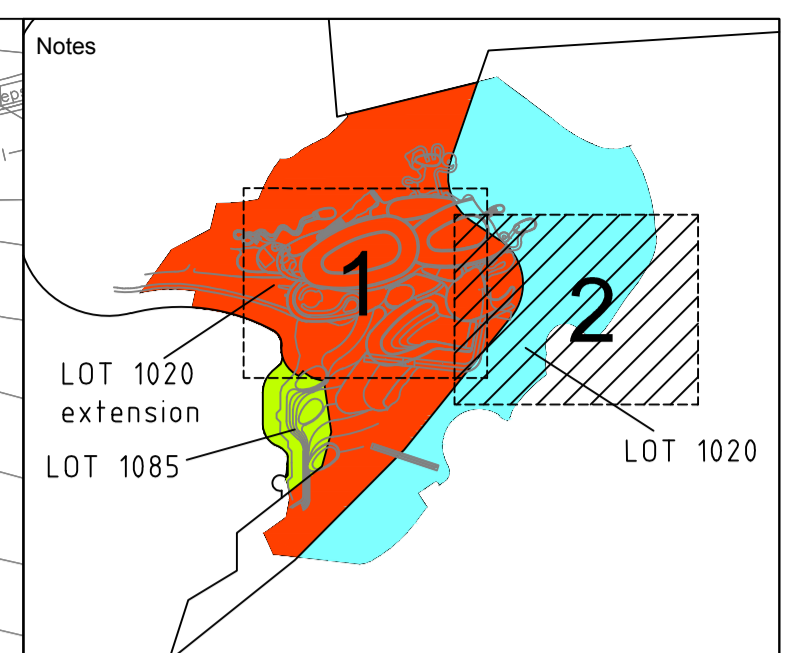
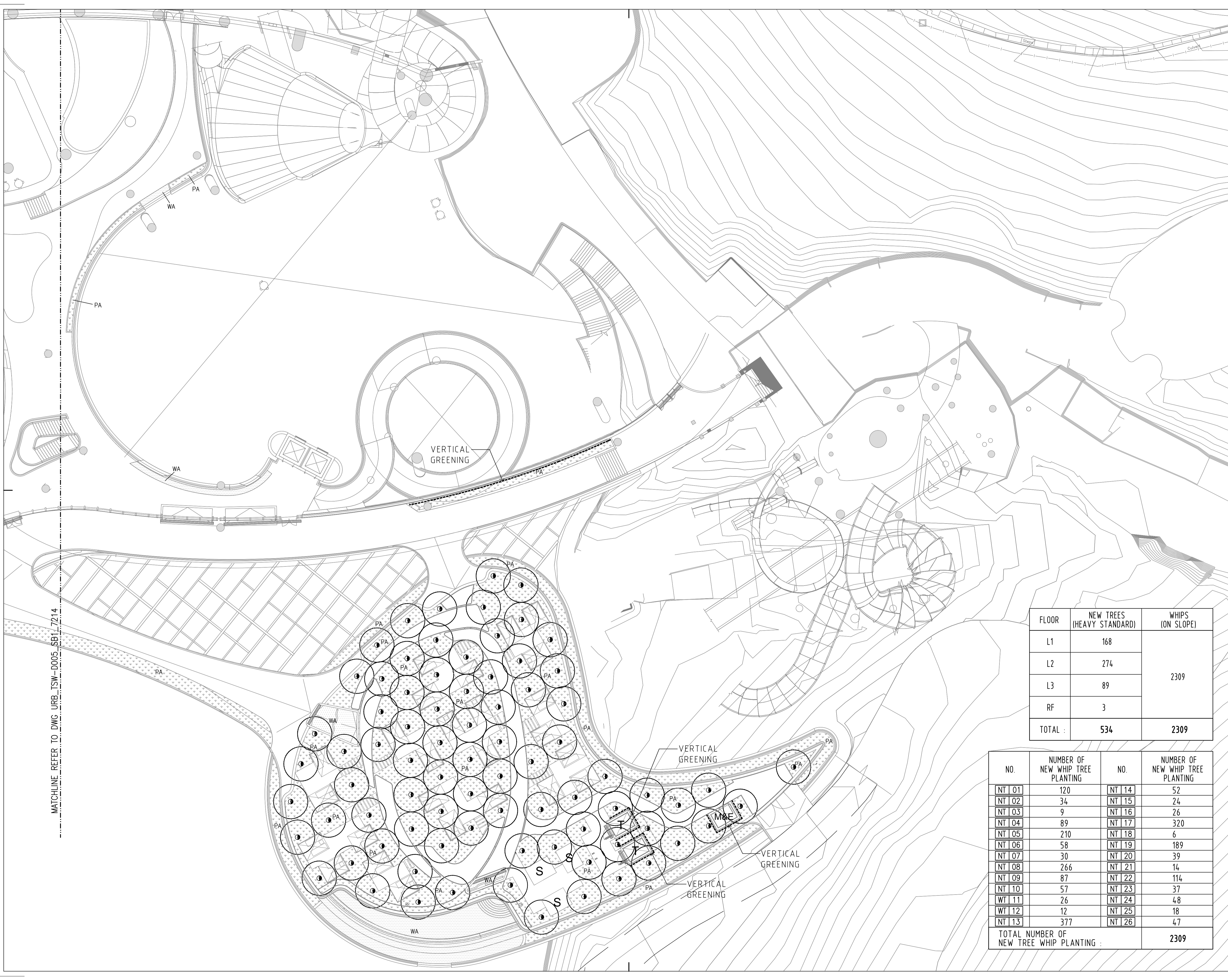
NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
NT 11	26	NT 24	48
NT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	

ISSUED TO RESPONSE GOV. COMMENTS 16JUN2020 SE													
Rev.	Description	Issue Date	Initial										
Original by	Date	Draw	Check App										
TL	16JUN20	PL	TL SE										
Client													
Ocean Park Corporation													
Lead Consultant & Interior Design Consultant													
 Aedas Limited 31/F One Island East 18 Westlands Road Quarry Bay Hong Kong													
Structural and Façade Engineers													
 Buro Happold 3807-3809, Hopewell Centre, 183 Queen's Road East, Wan Chai, Hong Kong													
Civil & Geotechnical Consultant													
 Jacobs China Limited 15th Floor, Cornwall House, Taikoo Place, 979 King's Road, Quarry Bay, HK													
M&E Engineer													
 Meinhardt 4/F Wah Ming Centre, 421 Queen's Road West, Hong Kong													
Waterpark Design Consultant													
 Water Technology Inc. 100 Park Avenue, Beaver Dam, WI 53916, USA													
Together with Other Specialist Consultants													
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Urbis Limited</td> <td style="width: 50%;">Shen Mison & Wilke</td> </tr> <tr> <td>Lanbase Surveyors Limited</td> <td>Lighting Planners Associates (HK) Ltd.</td> </tr> <tr> <td>MVA Hong Kong Limited</td> <td>Food Service Consultants, Ltd.</td> </tr> <tr> <td>Vision Planning Consultants Ltd.</td> <td>Advanced Aquarium Technologies</td> </tr> <tr> <td>Intelbuild Technyx Asia Limited</td> <td>Studio Hanson Roberts</td> </tr> </table>				Urbis Limited	Shen Mison & Wilke	Lanbase Surveyors Limited	Lighting Planners Associates (HK) Ltd.	MVA Hong Kong Limited	Food Service Consultants, Ltd.	Vision Planning Consultants Ltd.	Advanced Aquarium Technologies	Intelbuild Technyx Asia Limited	Studio Hanson Roberts
Urbis Limited	Shen Mison & Wilke												
Lanbase Surveyors Limited	Lighting Planners Associates (HK) Ltd.												
MVA Hong Kong Limited	Food Service Consultants, Ltd.												
Vision Planning Consultants Ltd.	Advanced Aquarium Technologies												
Intelbuild Technyx Asia Limited	Studio Hanson Roberts												
Project													
OCEAN PARK TAI SHUE WAN DEVELOPMENT													
Contract No. and Contract Title													
TSW-D005 LEAD DESIGN CONSULTANT													
Drawing Title													
NEW PLANTING PLAN - LEVEL 3 (SHEET 01)													
Computer file	Plot Date	Scale											
URB_TSW-D005_SB1_7214.DWG	16JUN20	12JUN20											
Drawing Number	Rev.	Issue status											
URB_TSW-D005_SB1_7214	-												
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MATCHLINE REFER TO DWG_URB_TSW-D005-SB1_7214



LEGEND:

- TREE SURVEY BOUNDARY
- LOT BOUNDARY
- TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
- A3310(R) RETAINED TREE
- A0356(P) RETAINED AND PRUNED TREE
- A0560(T) TRANSPLANTED TREE
- NEW TREE (HEAVY STANDARD)
- PA SHRUB AND GROUNDCOVER PLANTING AREA
- LA LAWN AREA
- WA WATER AREA
- [Pattern] HYDROSEEDED AREA
- NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
- VERTICAL GREENING

-				ISSUED TO RESPONSE GOV. COMMENTS	16JUN2020	SE
Rev.	Description	Date	Draw	Check	App	Initial
TL	Original by	16JUN20	PL	TL	SE	

Client
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Lead Consultant & Interior Design Consultant
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 Vision Planning Consultants Ltd.
 Intelibuild Technyx Asia Limited
 Shen Mison & Wilke
 Lighting Planners Associates (HK) Ltd.
 Food Service Consultants, Ltd.
 Advanced Aquarium Technologies
 Studio Hanson Roberts

Project
**OCEAN PARK
 TAI SHUE WAN DEVELOPMENT**

Contract No. and Contract Title
**TSW-D005
 LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN - LEVEL 3
 (SHEET 02)**

Computer file	Plot Date	Scale
URB_TSW-D005-SB1_7215.DWG	16JUN20	1:200 (A1)
Drawing Number	Rev.	Issue status
URB_TSW-D005-SB1_7215	-	

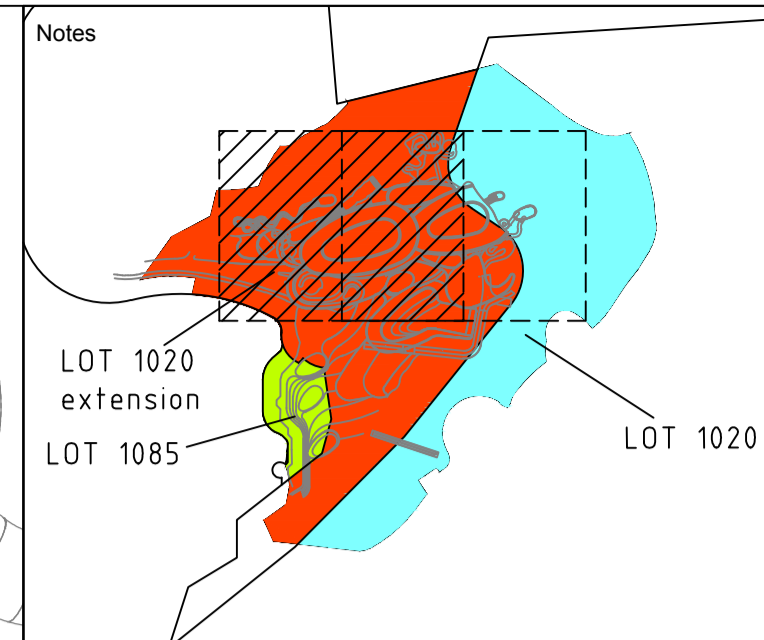
This drawing is to be read in conjunction with all related drawings. Do not scale from this drawing. All dimensions must be checked and verified on site before commencing any work or producing shop drawings. The originator should be notified immediately of any discrepancy. This drawing is copyright and remains the property of Aedas.

FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
NT 02	34	NT 15	24
NT 03	9	NT 16	26
NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :			2309

FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

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NT 02	34	NT 15	24
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NT 04	89	NT 17	320
NT 05	210	NT 18	6
NT 06	58	NT 19	189
NT 07	30	NT 20	39
NT 08	266	NT 21	14
NT 09	87	NT 22	114
NT 10	57	NT 23	37
WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	



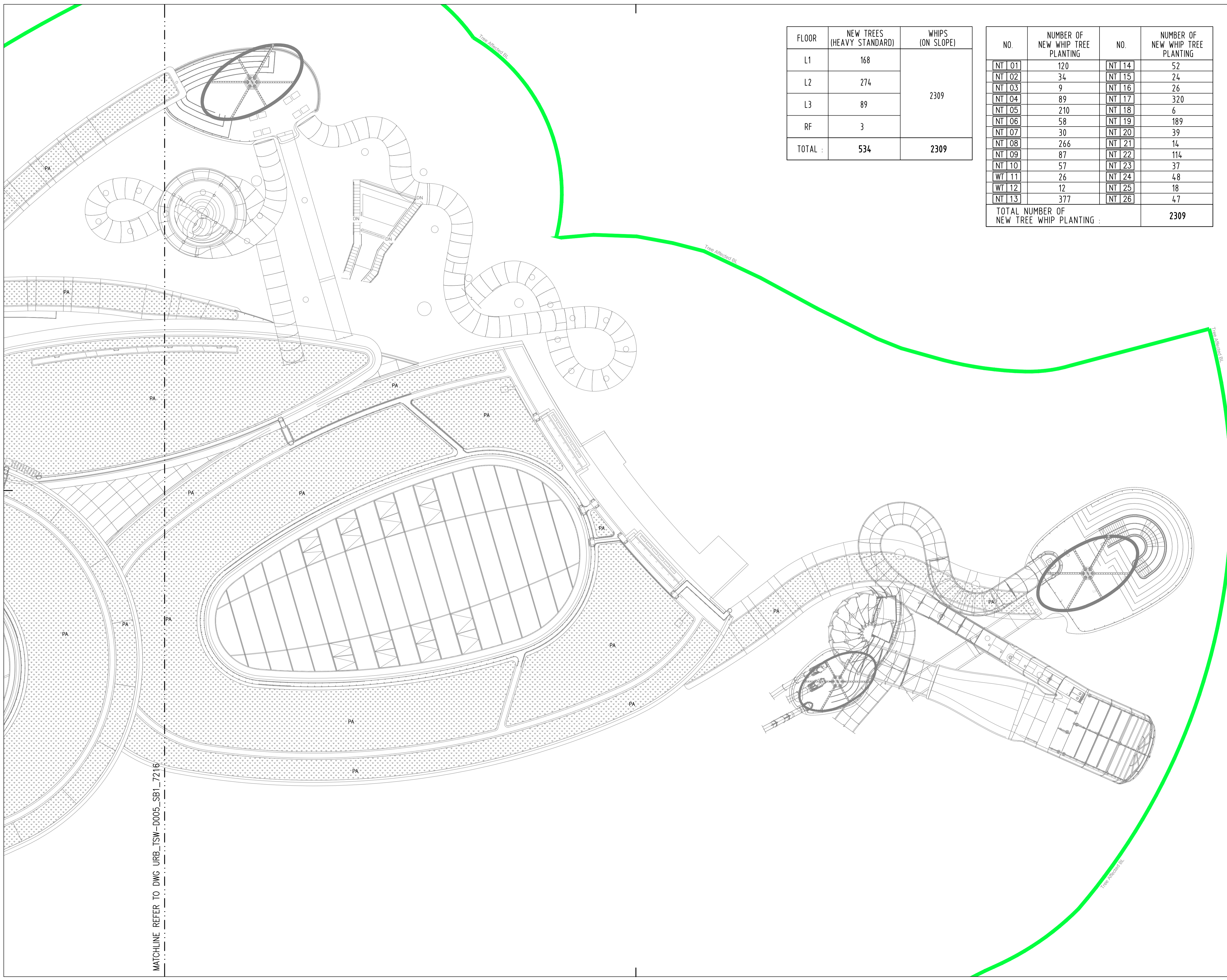
- LEGEND:**
- TREE SURVEY BOUNDARY
 - LOT BOUNDARY
 - TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
 - A3310(R) RETAINED TREE
 - A0356(IP) RETAINED AND PRUNED TREE
 - A0560(T) TRANSPLANTED TREE
 - NEW TREE (HEAVY STANDARD)
 - PA SHRUB AND GROUND COVER PLANTING AREA
 - LA LAWN AREA
 - WA WATER AREA
 - [Pattern] HYDROSEED AREA
 - NT 01 NEW TREE WHIP PLANTING AREA WITH RETAINED DENSE SHRUBLAND AND GRASSLAND
 - VERTICAL GREENING

ISSUED TO RESPONSE GOV. COMMENTS 16JUN2020 SE			
Rev.	Description	Issue Date	Initial
Original by	Date	Draw	Check App
TL	16JUN20	PL	TL SE
Client			
Ocean Park Corporation			
Lead Consultant & Interior Design Consultant			
Aedas Limited 31/F One Island East 18 Westlands Road Quarry Bay Hong Kong			
Structural and Façade Engineers			
Buro Happold 3807-3809, Hopewell Centre, 183 Queen's Road East, Wan Chai, Hong Kong			
Civil & Geotechnical Consultant			
Jacobs China Limited 15th Floor, Cornwall House, Taikoo Place, 979 King's Road, Quarry Bay, HK			
M&E Engineer			
Meinhardt 4/F Wah Ming Centre, 421 Queen's Road West, Hong Kong			
Waterpark Design Consultant			
Water Technology Inc. 100 Park Avenue, Beaver Dam, WI 53916, USA			
Together with Other Specialist Consultants			
Urbis Limited		Shen Mison & Wilke	
Lanbase Surveyors Limited		Lighting Planners Associates (HK) Ltd.	
MVA Hong Kong Limited		Food Service Consultants, Ltd.	
Vision Planning Consultants Ltd.		Advanced Aquarium Technologies	
Intelbuild Technyx Asia Limited		Studio Hanson Roberts	
Project			
OCEAN PARK TAI SHUE WAN DEVELOPMENT			
Contract No. and Contract Title			
TSW-D005 LEAD DESIGN CONSULTANT			
Drawing Title			
NEW PLANTING PLAN - ROOF AND RIDE PLATFORM LEVEL (SHEET 01)			
Computer file	Plot Date	Scale	
URB_TSW-D005_SB1_7216.DWG	16JUN20	1:250 (A1)	
Drawing Number	Rev.	Issue status	
URB_TSW-D005_SB1_7216	-		

MATCHLINE REFER TO DWG: URB_TSW-D005_SB1_7217

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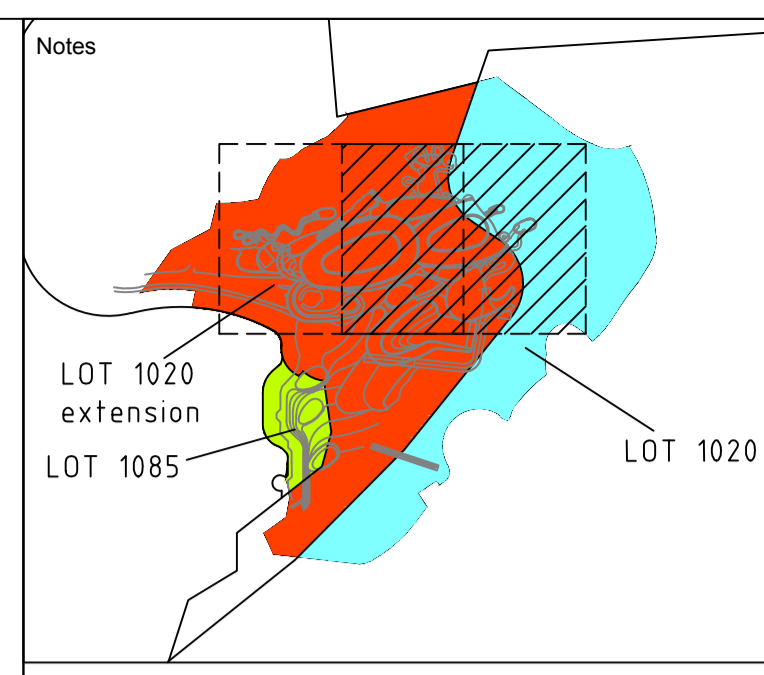
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MATCHLINE REFER TO DWG_URB_TSW-D005-SB1_7216

FLOOR	NEW TREES (HEAVY STANDARD)	WHIPS (ON SLOPE)
L1	168	2309
L2	274	
L3	89	
RF	3	
TOTAL :	534	2309

NO.	NUMBER OF NEW WHIP TREE PLANTING	NO.	NUMBER OF NEW WHIP TREE PLANTING
NT 01	120	NT 14	52
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WT 11	26	NT 24	48
WT 12	12	NT 25	18
NT 13	377	NT 26	47
TOTAL NUMBER OF NEW TREE WHIP PLANTING :		2309	



LEGEND:

- TREE SURVEY BOUNDARY
- LOT BOUNDARY
- TREE AFFECTED AREA BOUNDARY (SECTION 16 APPLICATION BOUNDARY)
- A3310(R) RETAINED TREE
- A0356(IP) RETAINED AND PRUNED TREE
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- VERTICAL GREENING

ISSUED TO RESPONSE GOV. COMMENTS 16JUN2020 SE			
Rev.	Description	Issue Date	Initial
Original by	Date	Draw	Check App
TL	16JUN20	PL	TL SE

Client

Ocean Park Corporation

Lead Consultant & Interior Design Consultant

Aedas

Aedas Limited
31/F One Island East
18 Westlands Road
Quarry Bay
Hong Kong

Structural and Façade Engineers

Buro Happold

Buro Happold
3607-3509, Hopewell Centre,
183 Queen's Road East, Wan Chai,
Hong Kong

Civil & Geotechnical Consultant

JACOBS

Jacobs China Limited
15th Floor, Cornwall House, Taikoo Place,
979 King's Road, Quarry Bay, HK

M&E Engineer

MEINHARDT

Meinhardt
4/F Wah Ming Centre,
421 Queen's Road West, Hong Kong

Waterpark Design Consultant

WTI

Water Technology Inc.
100 Park Avenue, Beaver Dam,
WI 53916, USA

Together with Other Specialist Consultants

Urbis Limited	Shen Mison & Wilke
Lanbase Surveyors Limited	Lighting Planners Associates (HK) Ltd.
MVA Hong Kong Limited	Food Service Consultants, Ltd.
Vision Planning Consultants Ltd.	Advanced Aquarium Technologies
Intelbuild Technyx Asia Limited	Studio Hanson Roberts

Project
**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Contract No. and Contract Title
**TSW-D005
LEAD DESIGN CONSULTANT**

Drawing Title
**NEW PLANTING PLAN -
ROOF AND RIDE PLATFORM LEVEL
(SHEET 02)**

Computer file	Plot Date	Scale
URB_TSW-D005_SB1_7217.DWG	16JUN20	1:250 (A1)
Drawing Number	Rev.	Issue status
URB_TSW-D005_SB1_7217	-	

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Appendix C Landscape Cross Section



KEY PLAN

SECTION 16 APPLICATION BOUNDARY
(TREE AFFECTED AREA BOUNDARY)

SECTION 16 APPLICATION BOUNDARY
(TREE AFFECTED AREA BOUNDARY)

LARGE FICUS TREE TO BE
RETAINED AS A FEATURE
FOR THE MAIN ENTRANCE

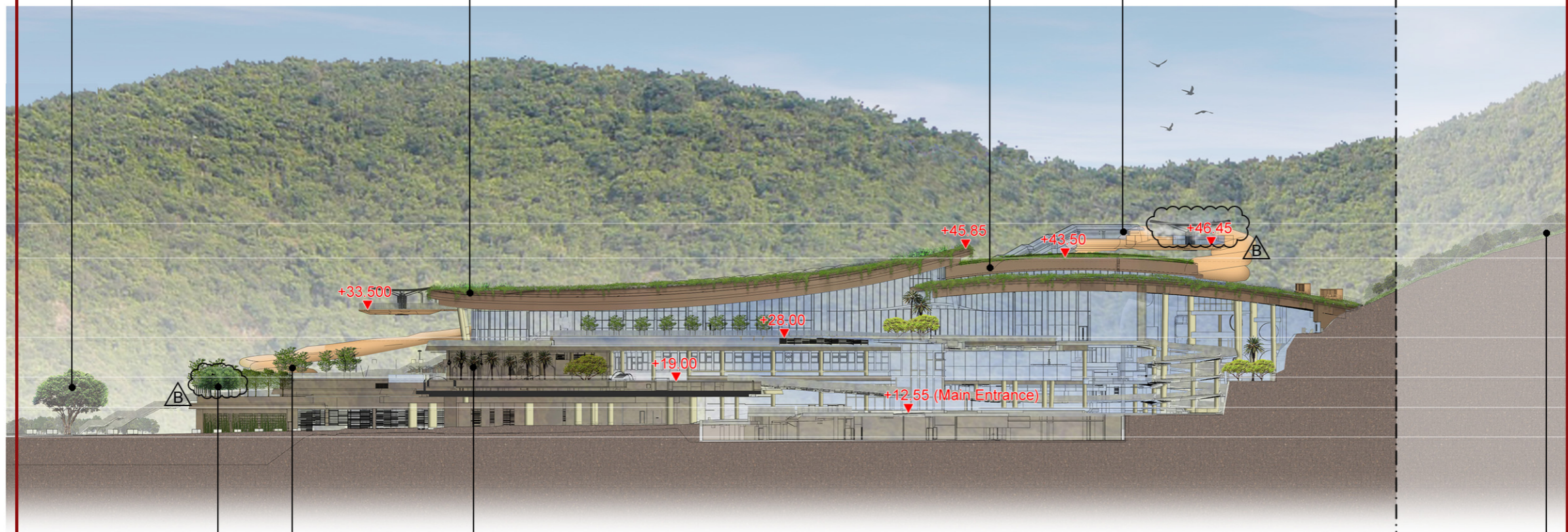
GREEN ROOF
LOW MAINTENANCE SMALL SHRUBS AND
GROUND COVER PLANTING ON ROOF

GREEN ROOF
LOW MAINTENANCE SMALL SHRUBS AND
GROUND COVER PLANTING ON ROOF

RIDE PLATFORM

R.B.L. 1020 EXTENSION

R.B.L. 1020



- ▽ +50.000 Roof
- ▽ +43.000 Platform
- ▽ +27.000 Level 3
- ▽ +19.000 Level 2
- ▽ +13.000 Level 1
- ▽ +7.000 Level B1

ORNAMENTAL TREE AND
SHRUB PLANTING AREA

OUTDOOR CRAZY RIVER
PALM TREES AND
BROADLEAF TREES

R.B.L. 1020 EXTENSION

R.B.L. 1020

≤35° SLOPE WITH NEW WOODLAND
MIX WHIPS PLANTING AND
HYDROSEEDING BLEND INTO
THE SURROUNDING ENVIRONMENT



Rev.	Date	Description
B	15/06/2021	3RD ISSUE FOR EIA
A	25/03/2020	2ND ISSUE
-	03/06/2014	1ST ISSUE

Job Title	OCEAN PARK TAI SHUE WAN DEVELOPMENT
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Figure Title	LANDSCAPE SECTION AA
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Date	25 MARCH 2020
Scale	1:1,000 @ A3

Figure No.	URB_TSW-D005_SB1_7072
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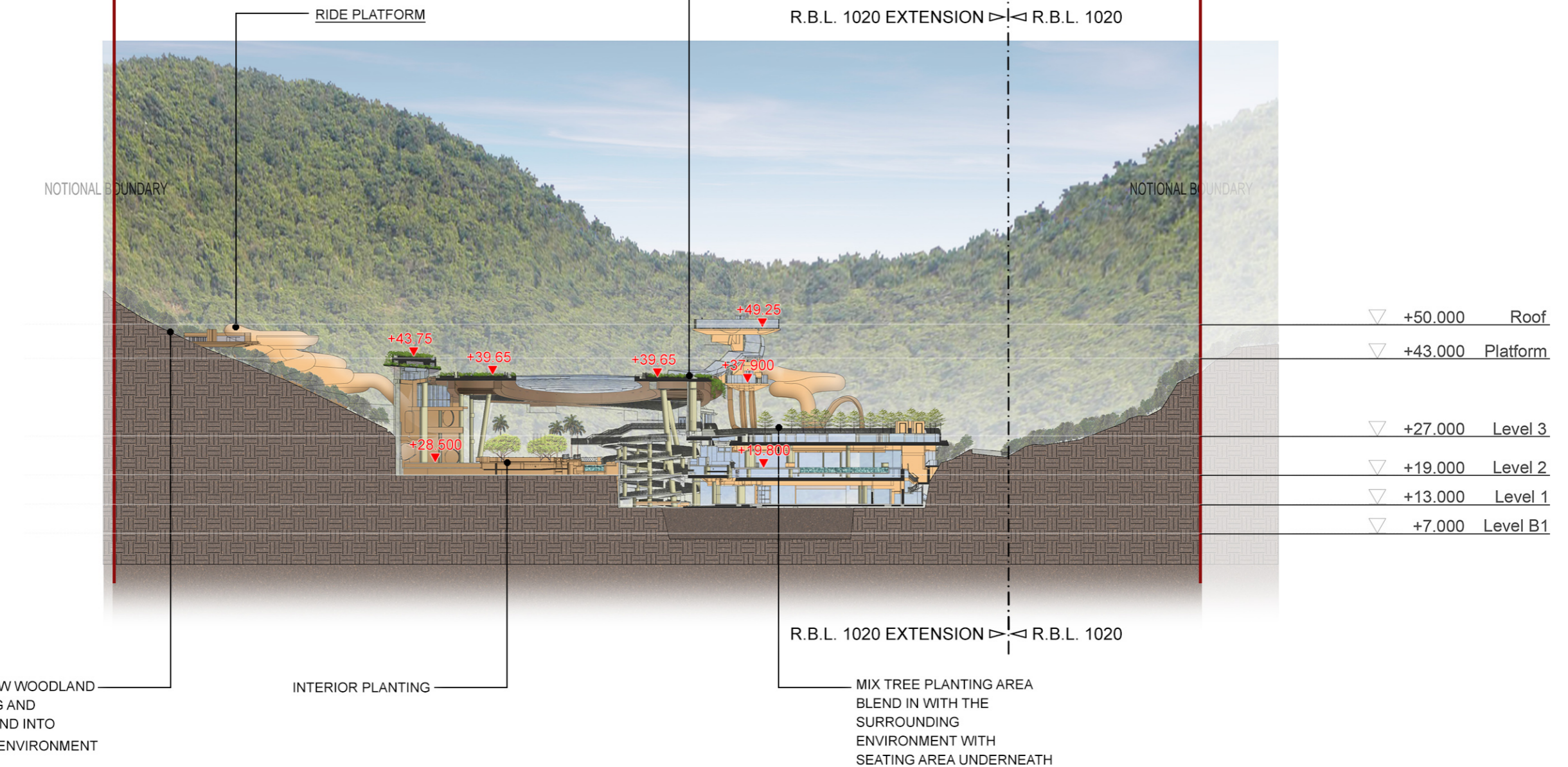




KEY PLAN

SECTION 16 APPLICATION BOUNDARY
(TREE AFFECTED AREA BOUNDARY)

SECTION 16 APPLICATION BOUNDARY
(TREE AFFECTED AREA BOUNDARY)



Rev.	Date	Description
A	25/03/2020	2ND ISSUE
-	03/06/2014	1ST ISSUE

Job Title

**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Figure Title

LANDSCAPE SECTION BB

Date

25 MARCH 2020

Scale

1:1,000 @ A3

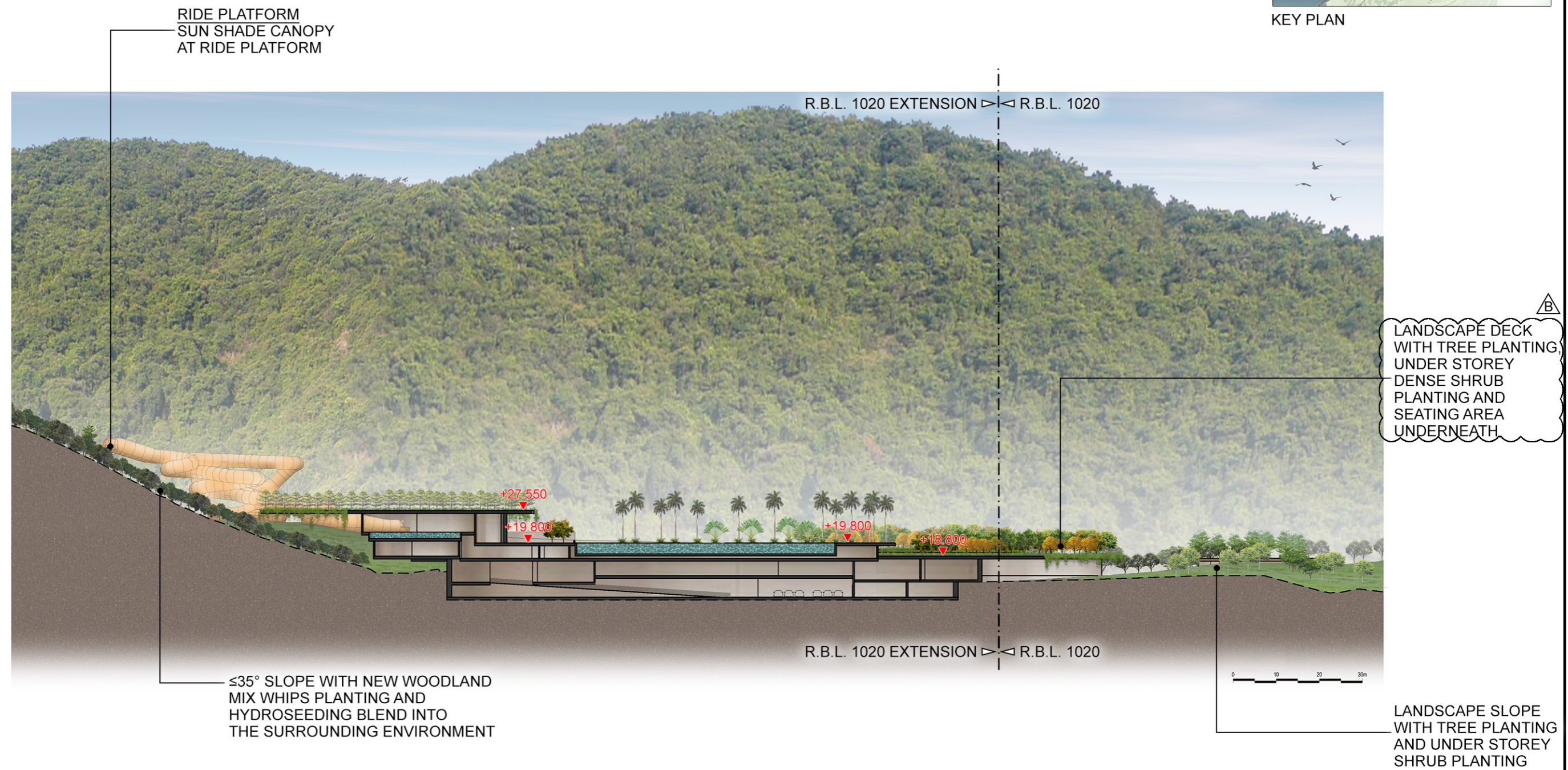
Figure No.

URB_TSW-D005_SB1_7073





KEY PLAN



Rev.	Date	Description
B	11/06/2020	RESPONSE TO GOVT. COMMENTS
A	25/03/2020	2ND ISSUE
-	03/06/2014	1ST ISSUE

Job Title

**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Figure Title

LANDSCAPE SECTION CC

Date

11 JUNE 2020

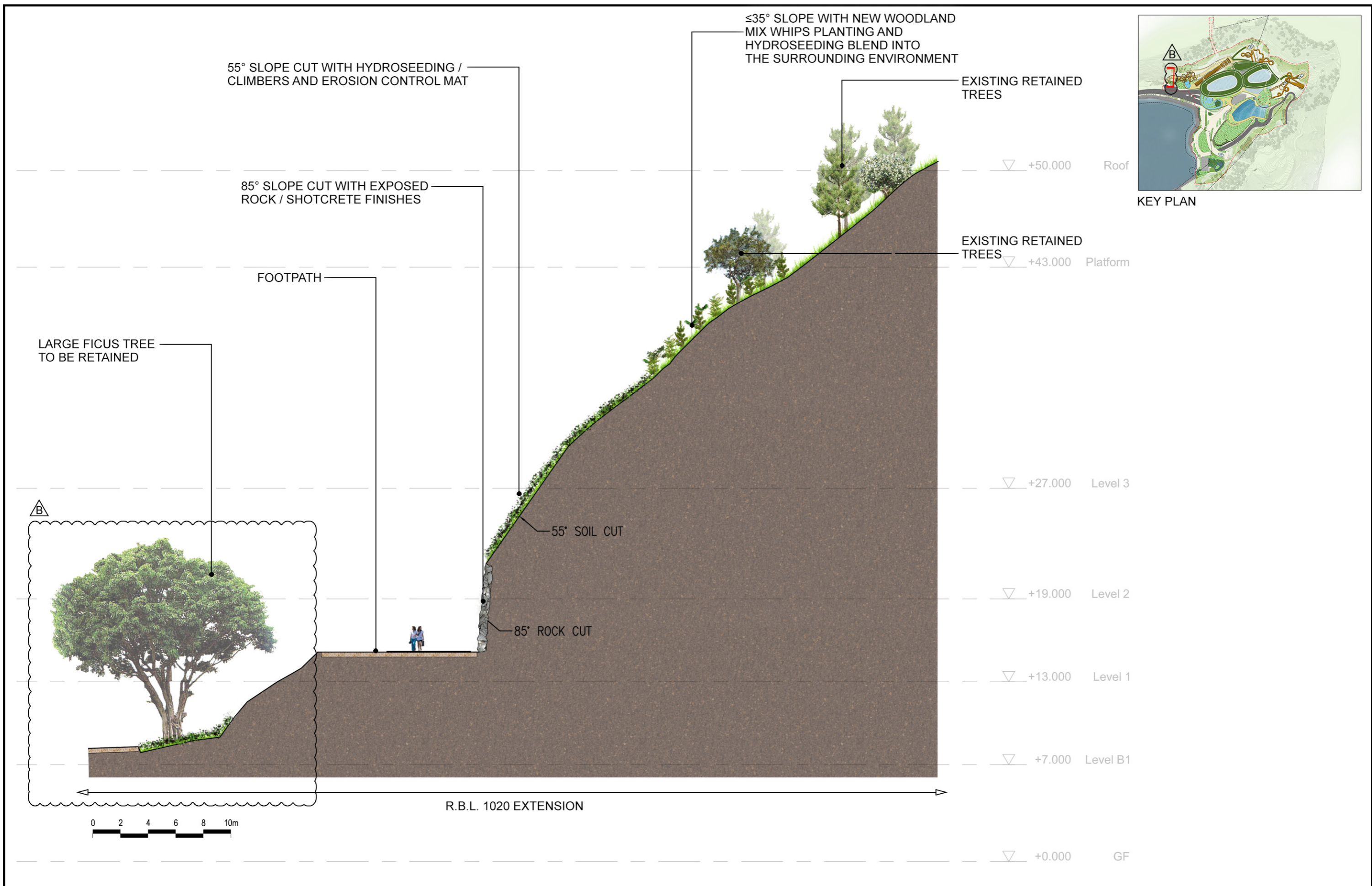
Scale

1:1,000 @ A3

Figure No.

URB_TSW-D005_SB1_7074





Rev.	Date	Description
B	17/07/2020	RESPONSE TO GOVT. COMMENTS
A	11/06/2020	RESPONSE TO GOVT. COMMENTS
-	05/05/2020	1ST ISSUE

Job Title

**OCEAN PARK
TAI SHUE WAN DEVELOPMENT**

Figure Title

LANDSCAPE SECTION D-D

Date

11 JUNE 2020

Scale

1:250 @ A3

Figure No.

URB_TSW-D005_SB1_7075

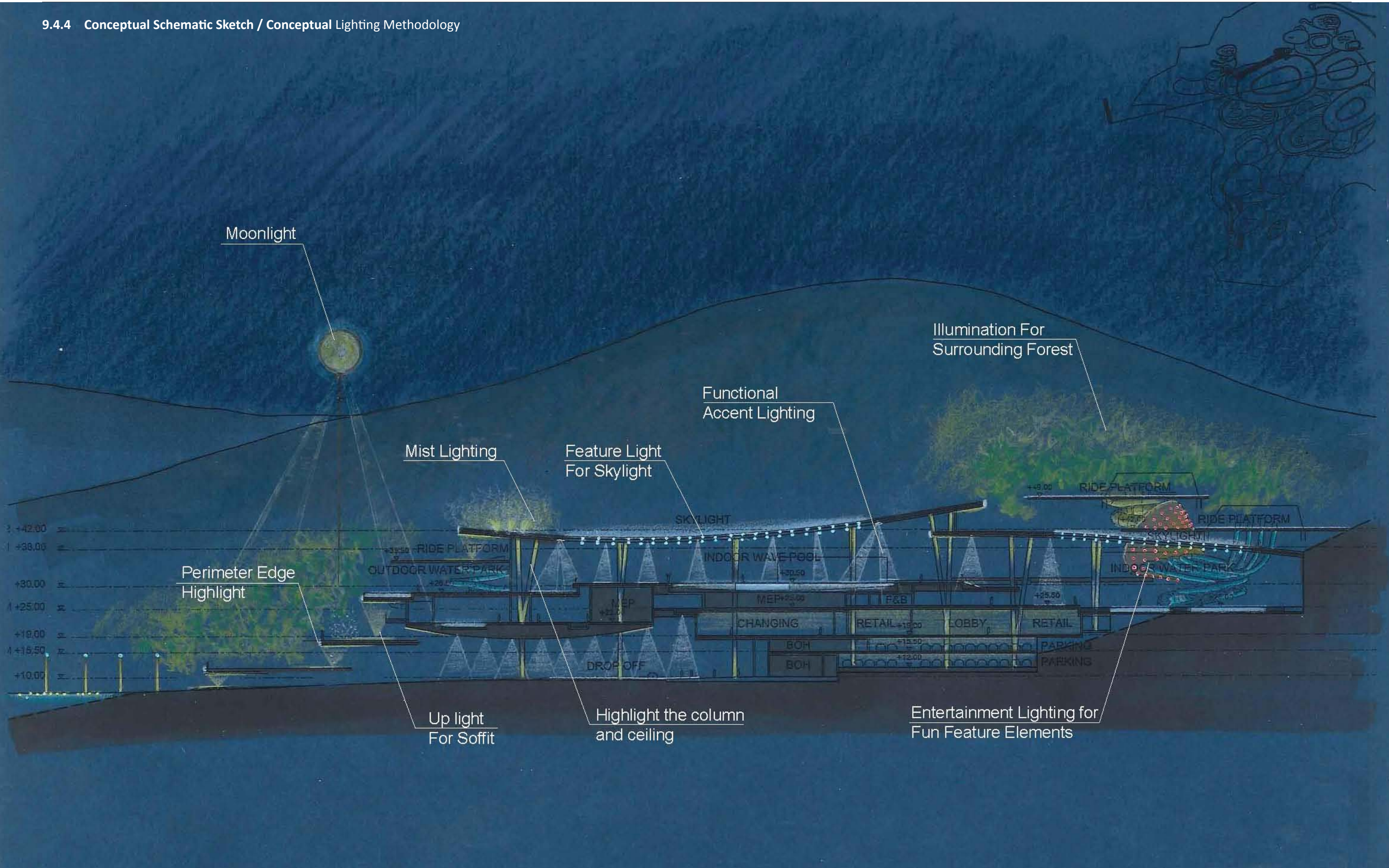


Appendix D Overall Lighting Design

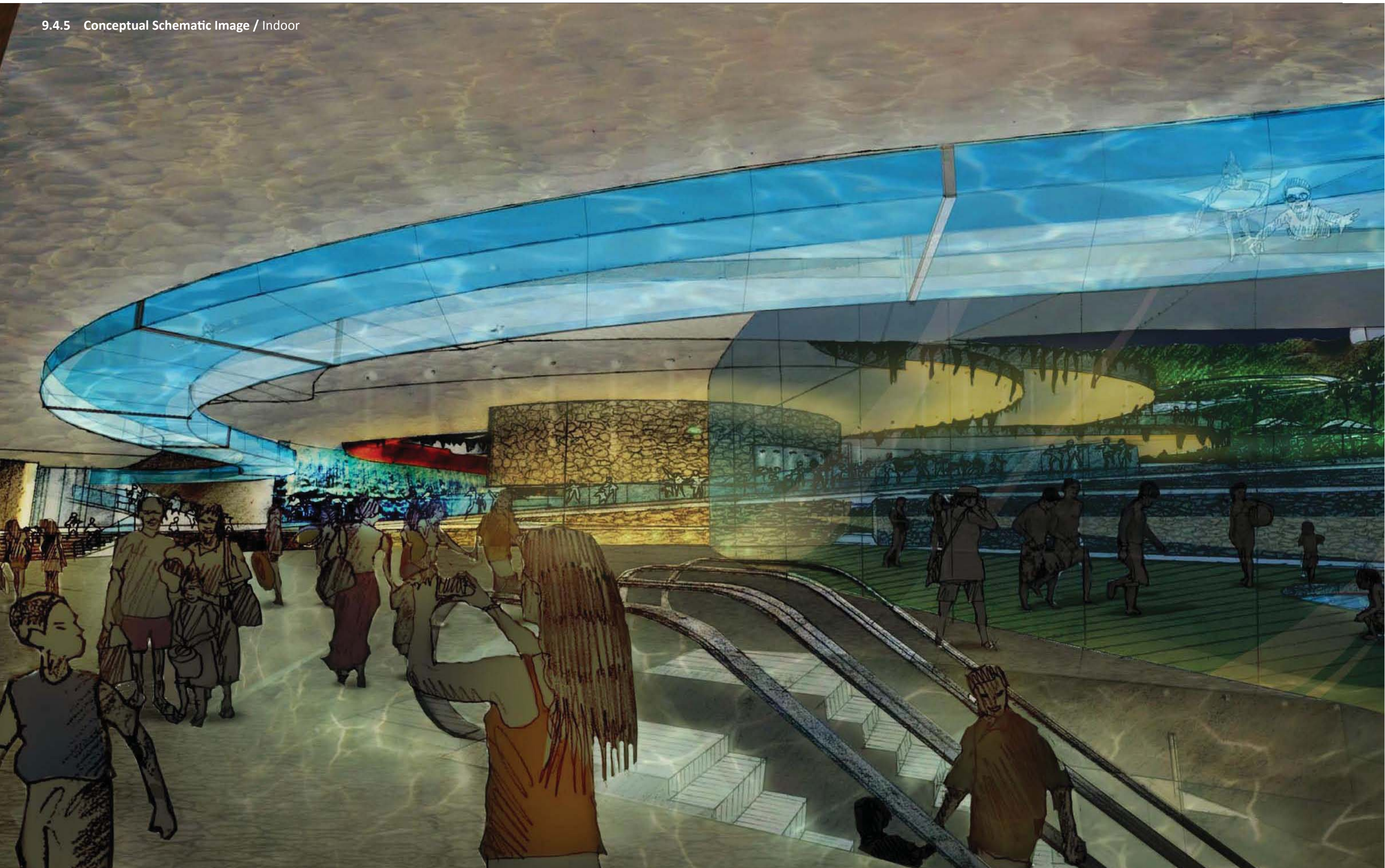
9.4.4 Conceptual Schematic Sketch / Lighting Concept Sketch



9.4.4 Conceptual Schematic Sketch / Conceptual Lighting Methodology



9.4.5 Conceptual Schematic Image / Indoor



9.4.5 Conceptual Schematic Image / Semi - Outdoor



9.4.5 Conceptual Schematic Image / Outdoor



Appendix E Tree Maintenance Schedule

	Objective	Works Description	Suggested Frequency											
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1.0	Record keeping	Take quarterly date-imprinted, colour, photographic records to show all conditions of trees including full views and close-ups of wounds and defects. Record keeping includes monitoring trees and soil. Records shall be kept for below regular checking works item 1.6, 1.8, 1.11 and 1.12.	√	-	-	√	-	-	√	-	-	√	-	-
1.1	Leaf picking and ground cleaning	Ensure areas beneath tree crowns are free of foreign matters harmful to trees or undesirable for users. Root collars must be kept clear from leaf and litter to ensure they stay dry and fungus-free.	√	√	√	√	√	√	√	√	√	√	√	√
1.2	Watering	Watering to maintain a moist soil adequate for healthy growth. Watering to be carefully calibrated with rainfall, watering is not required on days when rainfall is sufficient to moisten the soil.	Anticipated daily			As required (At most daily except during heavy rainfall)						Anticipated daily		
1.3	Weeding	All planted areas shall be kept free from weeds. Any unwanted plants including <i>Mikania micrantha</i> are noxious weeds and shall be removed.	√	√	√	√	√	√	√	√	√	√	√	√
1.4	Fertilization	Fertilization should be carried out in Spring and Fall to provide added nutrient at times of seasonal plant growth. Slow release fertilizer should be applied. It should be granular NPK chemical fertilizer with a minimum four (4) month release period at 32°C with the following formula: 14 - 18 parts N (Nitrogen) 7 - 14 parts P2O5 (Available Phosphoric Acid) 12 - 16 parts K2O (Soluble Potash) max. 2 parts MgO (Magnesium Oxide) plus other trace elements Application should be adjusted at a rate of 200 gm per heavy standard tree.	-	-	√	-	-	-	-	√	-	-	-	-
1.5	soil amelioration	Soil amelioration includes inspection of the soil beneath tree crowns to ensure its composition is suitable for growth. Where necessary aeration, adding soil conditioner, adding soil mix, should be done to ensure soil remains friable.	-	-	√	-	-	-	-	√	-	-	-	-
1.6	Checking tree stability	Tree stability should be checked quarterly to ensure trees are standing firm. Checking tree stability is especially important for tall and transplanted trees. Gently push against the trunk by hand to see if the tree sways. Ensure tree is well-secured by staking or anchoring should tree be found not yet taking root in new soil. Checking should be done on ad-hoc basis after strong winds, black rainstorm or typhoon.	√	-	-	√	-	-	√	-	-	√	-	-
1.7	Staking & tie maintenance and removal	Loosen tree ties and adjust stakes to accommodate growth. Ensure tree trunks and branches are not girdled by ties. Trunks and branch barks shall be healthy and free from damage due to tree ties. Stakes shall be adjusted to ensure they are secure and do not cause nuisance to users.	√	√	√	√	√	√	√	√	√	√	√	√
1.8	Checking branch health	Branch health should be checked quarterly. This is to ensure that problem branches with defect such as wounds, loose bark, cracks, fungal fruiting bodies, stubs and dead branches are identified. Adhoc checking may be carried out after inclement weather.	√	-	-	√	-	-	√	-	-	√	-	-
1.9	Pruning	Pruning shall be carried out quarterly to maintain regular tree vigor and remove problem branches identified during regular checking. Adhoc pruning may be carried out after inclement weather should damage be found.	√	√	√	√	√	√	√	√	√	√	√	√
1.10	Mulch maintenance	As required to keep mulching layer at thickness of 50mm.	As required											
1.11	Pest and disease control	Maintain vigilance at all times when carrying out maintenance for pest and disease. Have experience personnel specifically carry out pest and disease inspection monthly and during know periods of outbreak. Once identified, eradication should be carried out immediately and no later than 7 days of identification.	√	√	√	√	√	√	√	√	√	√	√	√
1.12	Tree inspection following adverse weather events	To be carried out within 24 hours after Tropical typhoon T8, Black Rainstorm, or local severe weather. Results of inspection with photos as necessary should be recorded. Where branches, trunks, or entire trees are found affected by recent event, remedial works should be carried out immediately.	As required											
1.13	Tree Risk Assessment	Tree Risk Assessment is a defined method of determining risk of tree failure on targets. Tree risk assessment shall be carried out in accordance with 'Guidelines for Tree Risk Assessment and Management Arrangement on an Area Basis and on a Tree Basis' promulgated by Tree Management Office, Greening, Landscape and Tree Management Section of DEVB. Maintenance personnel shall be familiar with the requirement of this assessment and shall carry out Tree Risk Assessments regularly and at appropriate times to facilitate proper tree management with the Lot.	As appropriate											

Note:

1 All maintenance works listed above should be carried out by experienced and qualified personnel having suitable training in arboricultural works.

2 Above maintenance works schedule applies on a regular basis under normal circumstances. Events may occur such as inclement weather or change in the planting environment, microclimate, and/or adjacent constructions which may require additional or adhoc care. These changes should be monitored by experienced and qualified personnel to determine appropriate adjustments to the Maintenance Schedule.

