

# Horsley Drive Business Park Stage 2 North, Wetherill Park, NSW 2164

## Landscape Documentation for State Significant Development

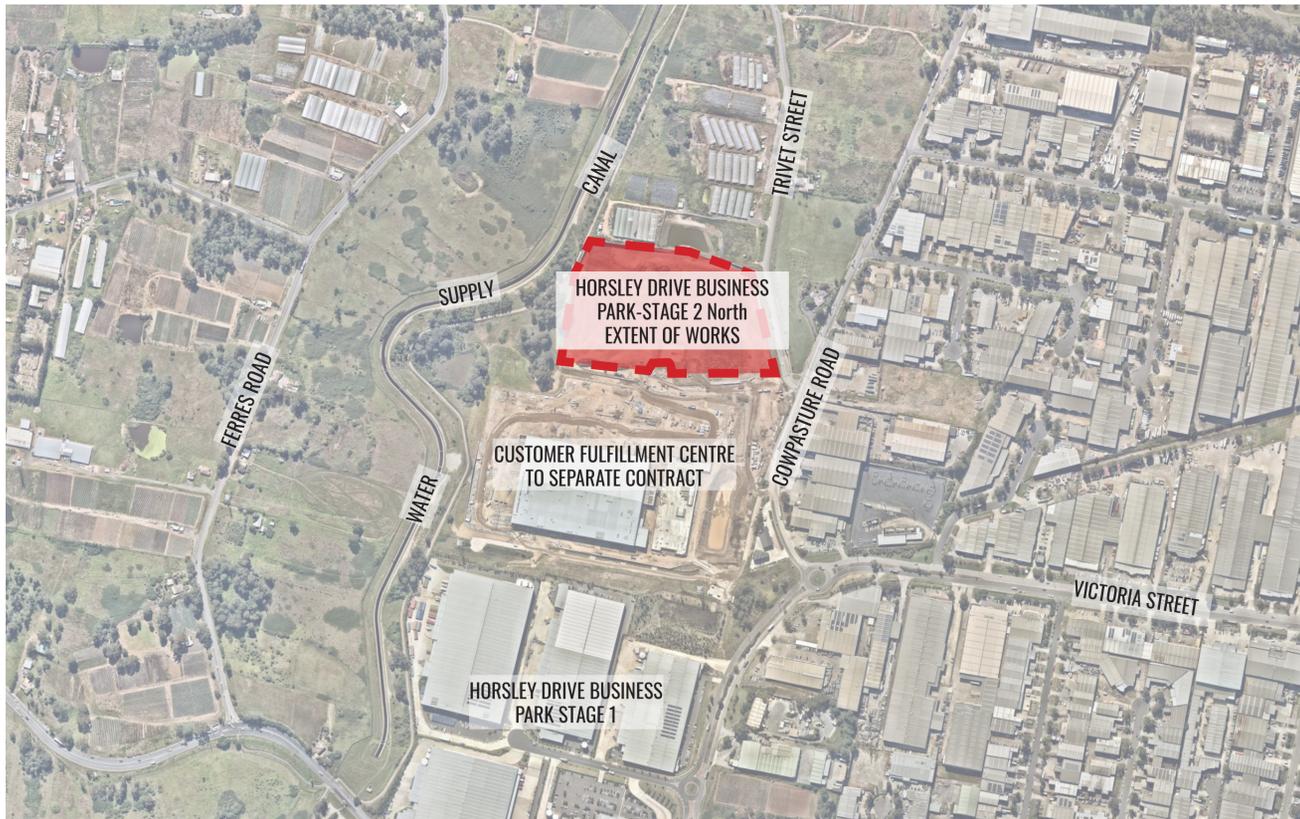


IMAGE TAKEN FROM NEARMAP 2020

### Drawing Register

Dwg No.	Drawing Name
SSD-00	Landscape Cover Sheet
SSD-01	Landscape Master Plan
SSD-02	Landscape Detail Plan - Sheet 1
SSD-03	Landscape Detail Plan - Sheet 2
SSD-04	Landscape Detail Plan - Sheet 3
SSD-05	Landscape Detail Plan - Sheet 4
SSD-09	Landscape Sections - Sheet 1
SSD-10	Landscape Sections - Sheet 2
SSD-12	Typical Specifications & Details
SSD-13	Plant Schedules & imagery



DETAIL PLAN - SHEET LAYOUT

NTS



SITE PLAN

Scale 1:2000

Drawing Title:  
**Landscape Cover Sheet**  
DWG No:

**SSD-00**

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ABN 84 620 205 781 ACN 620 205 781

Architect:



Client:



Scale:  
1:1000 @ A1  
1:2000 @ A3

Date:  
08.09.21

Job Number:  
210430

North:  
↑

Project:

Horsley Business Park - Stage 2 North  
Wetherill Park, NSW 2164

Revision				FOR SSD	
Rev	Date	Description	Drawn	Checked	
A	30.07.21	Draft for review	PT	BG	BG
B	06.08.21	Draft for review	KC	BG	BG
C	13.08.21	Draft for review	PT	BG	BG
D	08.09.21	For SSD	PT	BG	BG



Drawing Title:  
**Landscape Master Plan**  
 DWG No:

**SSD-01**

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Architect:  
  
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Client:  


Scale:  
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 1:1500 @ A3

Date:  
 08.09.21

Job Number:  
 210430

North:  


Project:

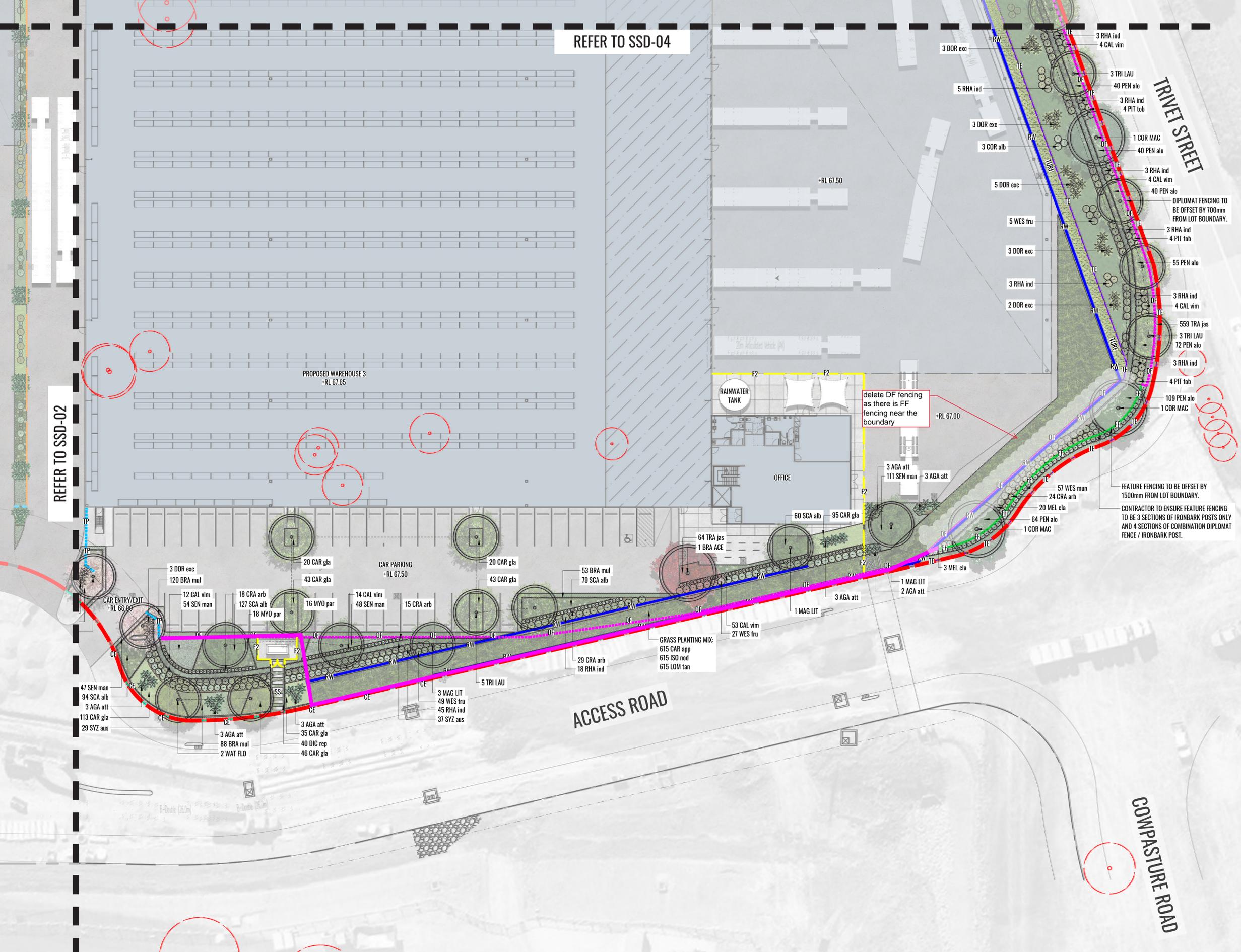
Horsley Business Park - Stage 2 North  
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D	08.09.21	For SSD	PT	BG	



REFER TO SSD-04

REFER TO SSD-02



- ### LEGEND
- SITE BOUNDARY
  - EXISTING TREES TO BE REMOVED
  - PROPOSED TREE PLANTING
  - SHRUB PLANTING
  - HEDGING
  - PROPOSED GROUNDCOVERS AS INDICATED IN THE PLAN REFER TO PLANT SCHEDULE.
  - TURF
  - STEPPERS SET IN LOW GROUNDCOVERS
  - RIP-RAP SCOUR PROTECTION TO ENGINEER'S DETAILS
  - F1 FENCING TYPE 1 AS PER ARCHITECTS DETAILS
  - F2 SCREENING AS PER ARCHITECTS DETAILS
  - RW RETAINING WALL TO CIVIL ENGINEER'S DETAILS
  - FF FEATURE FENCING POST CLUSTER.
  - DF 2.1m HIGH DIPLOMAT FENCING.
  - TP FEATURE TIMBER POST CLUSTER.
  - CE CONCRETE EDGING.
  - TE TIMBER EDGING.
  - AW 2M HIGH ACOUSTIC WALL

DIPLOMAT FENCING TO BE OFFSET BY 700mm FROM LOT BOUNDARY.

FEATURE FENCING TO BE OFFSET BY 1500mm FROM LOT BOUNDARY.  
CONTRACTOR TO ENSURE FEATURE FENCING TO BE 3 SECTIONS OF IRONBARK POSTS ONLY AND 4 SECTIONS OF COMBINATION DIPLOMAT FENCE / IRONBARK POST.

delete DF fencing as there is FF fencing near the boundary

GRASS PLANTING MIX:  
615 CAR app  
615 ISO nod  
615 LOM tan



Drawing Title:  
**Landscape Detail Plan - Sheet 2**  
DWG No:

**SSD-03**

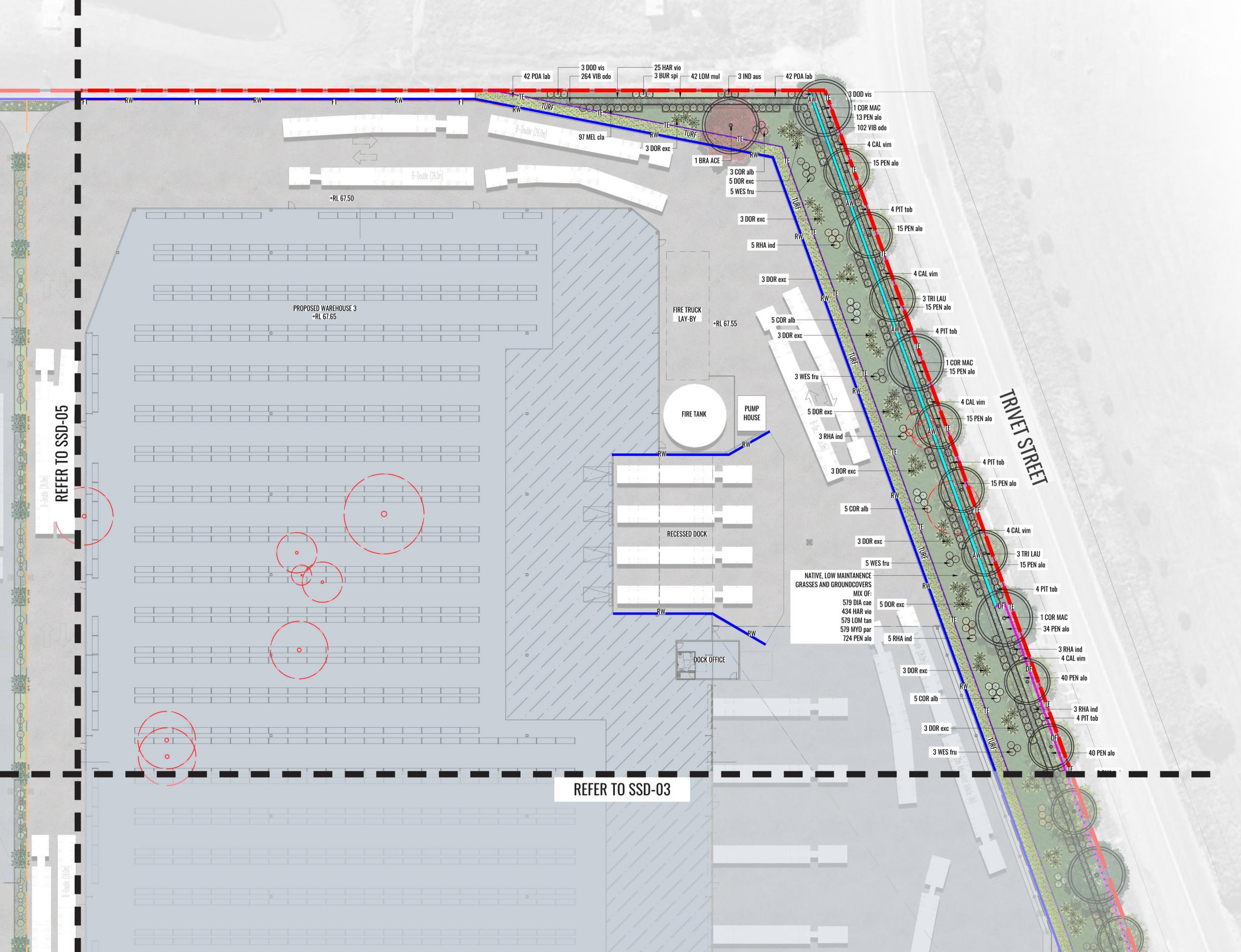
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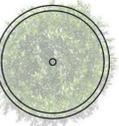
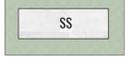
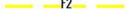
Architect:  
 [watch this SPACE design]

Client:

Scale: 1:500 @ A1  
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  -  TE TIMBER EDGING.
  -  AW 2M HIGH ACOUSTIC WALL

REFER TO SSD-05

REFER TO SSD-03



Drawing Title:  
**Landscape Detail Plan - Sheet 3**  
 DWG No:

**SSD-04**

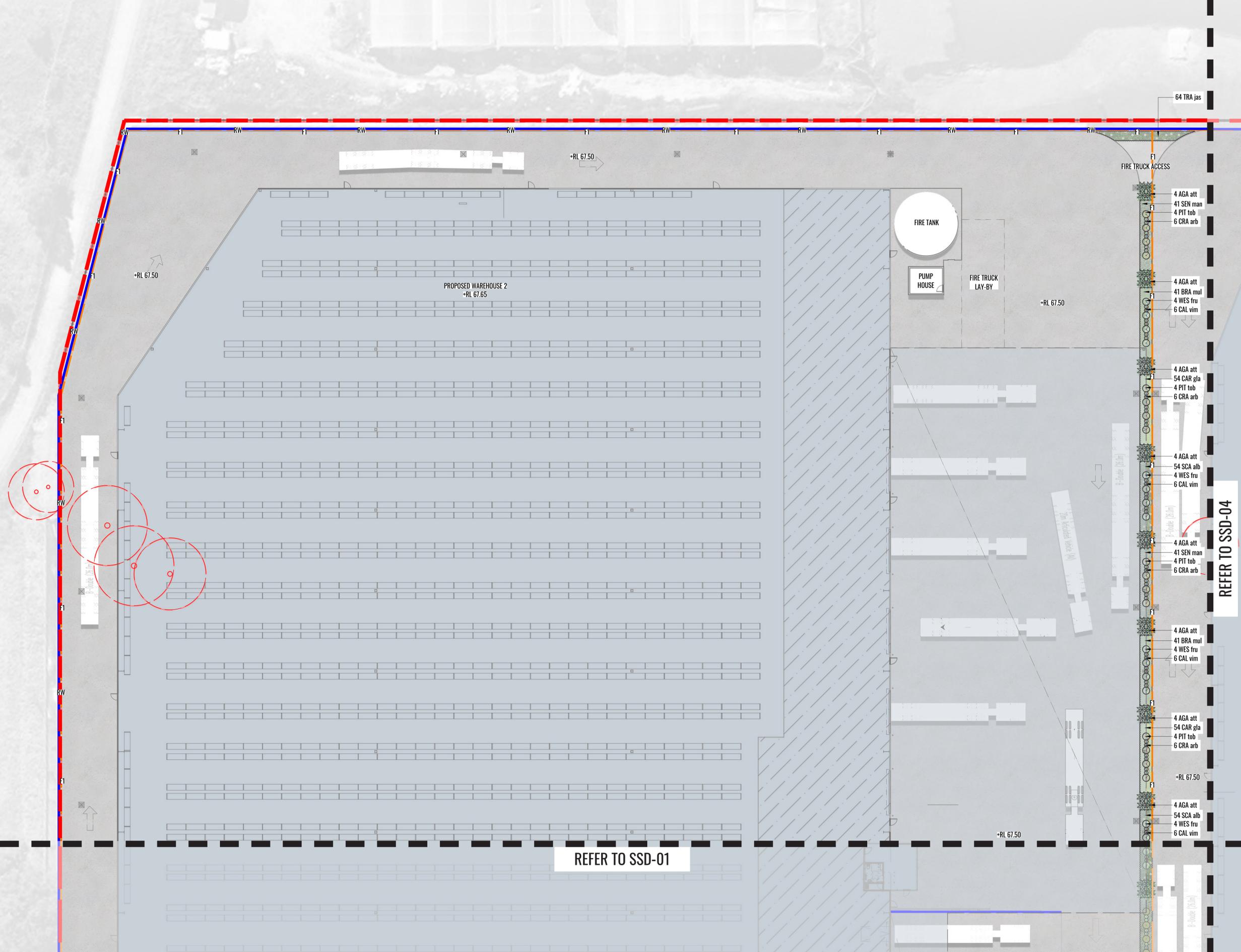
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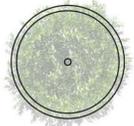
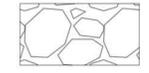
Architect:  


Client:  


Scale: 1:500 @ A1  
 1:1000 @ A3  
 Date: 08.09.21  
 Job Number: 210430  
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REFER TO SSD-04

REFER TO SSD-01



Drawing Title:  
**Landscape Detail Plan - Sheet 4**  
 DWG No:

**SSD-05**

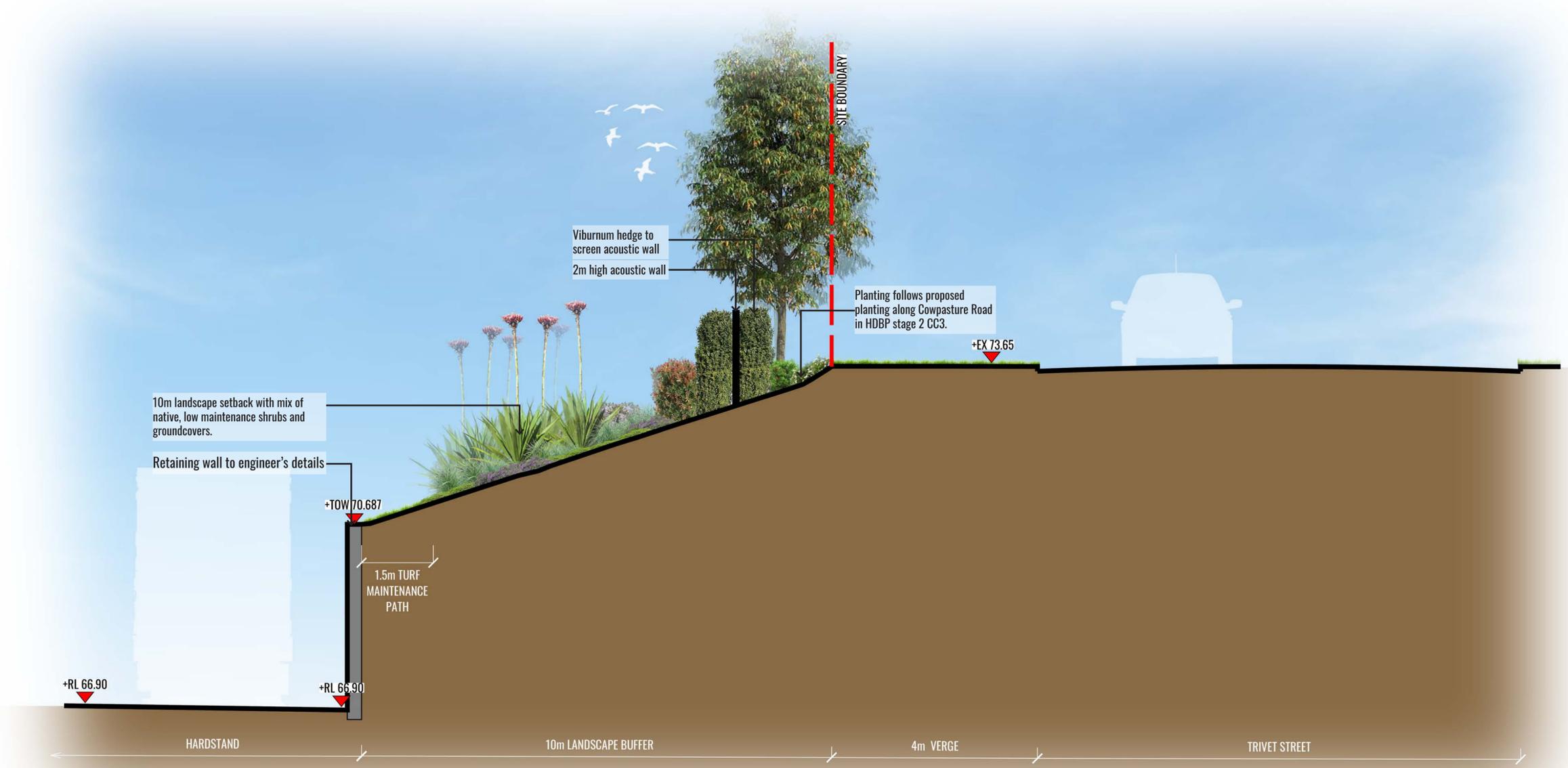
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Architect:  
  
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Client:  
**Charter Hall** 

Scale: 1:500 @ A1  
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 Job Number: 210430  
 North:   
 Project: **Horsley Business Park - Stage 2 North**  
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Section AA



Drawing Title:  
**Landscape Sections - Sheet 1**  
 DWG No: **SSD-09**

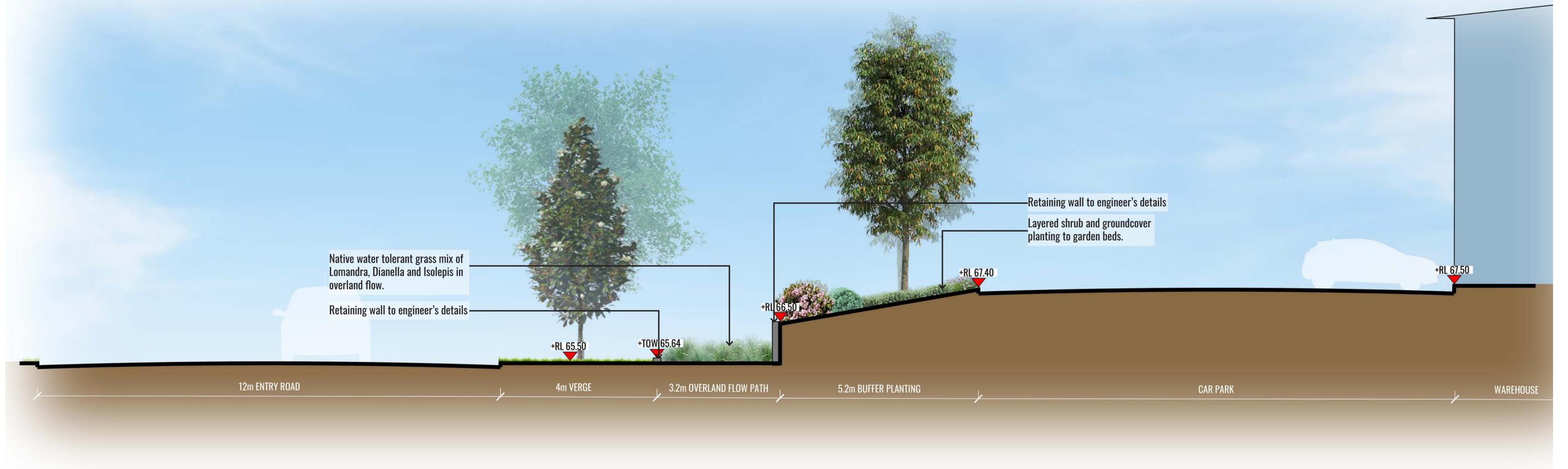
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Architect:  
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Client:  
**Charter Hall**

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Section BB



Drawing Title:  
**Landscape Sections - Sheet 2**  
 DWG No: **SSD-10**

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Architect:  
  
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Client:  
**Charter Hall** 

Scale: 1:75 @ A1  
 1:150 @ A3  
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# MAINTENANCE PLAN

Maintenance shall mean the care and maintenance of the landscape works by accepted horticultural practice as rectifying any defects that become apparent in the landscape works under normal use. The landscape contractor shall attend the site on a **weekly basis** to maintain the landscape works commencing from practical completion.

## Rubbish Removal

The Landscape Contractor shall undertake rubbish removal from the site on a **weekly basis** to ensure the site remains in tidy condition.

## Weed Eradication

Weed growth that may occur in grassed, planted or mulched areas is to be removed using environmentally acceptable methods i.e. non-residual glyphosate herbicide (e.g. 'Roundup', applied in accordance with the manufacturer's direction.

## Tree Replacement

Trees shall show signs of healthy vigorous growth and be free from disease and not exhibit signs of stress prior to handover to the client. Any trees or plant that die or fail to thrive, or are damaged or stolen will be replaced. Replacement material shall have the initial maintenance period extended in accordance with the landscape contract conditions. Trees and plant materials shall be equal to the minimum requirements of species specified and approved material delivered to site. Should the condition decline from the approved sample the Superintendent reserves the right to reject the tree / plants. Frequency: as required.

## Stakes

Adjust and/or replace stakes and ties where required. Remove staking and guying when instructed by the Superintendent

## Pruning

Selective pruning may be required during the establishment period to promote a balanced canopy structure. These activities shall be carried out to the best horticultural and industry practice. All pruned material is to be removed from site.

## Mulched Surfaces

All planter beds and garden areas shall have a minimum depth of 75mm organic mulch. All mulch is to be free of deleterious matter such as soil, weeds, sticks and should conform to AS 4454.

Mulched surfaces are to be kept clean and tidy and free of any deleterious material and foreign matter. Reinstatement depths to a uniform level of 75mm with mulch as specified, mulch to be free of any wood material impregnated with CCA or similar toxic treatment. Top up mulch levels prior to handover to client & estate management.

## Watering

Implement an appropriate hand watering regime in areas not irrigated in association with current watering programme to maintain plant health and vigour. The program shall reflect seasonal conditions and plant species. Frequency: Weekly or as required.

## Soil In Natural Ground

Australian native garden beds to have soil installed consisting of 50% existing site topsoil and 50% new topsoil equal or equivalent to 'Native Low 'P' Mix' as supplied by Australian Native Landscapes. Soil to conform to AS4419 refer to typical detail.

## Pest and Disease Control

The Landscape Contractor shall spray for pests and disease infestations when the pest and fungal attack has been positively identified and when their populations have increased to a point that will become detrimental to plant growth. Apply all pesticides to manufacturer's directions. Frequency: weekly inspection

## Fertilising

Generally check for signs of nutrient deficiencies (yellowing of leaves, failure to thrive), and adapt fertiliser regime to suit. Fertiliser should be applied at the beginning and the end of the (summer) growing season.

## Irrigation

A sub surface dripper style, electrically automated self timed irrigation system is recommended to be supplied to all feature planting areas. Regular checks are to be made to ensure continued successful operation. The Landscape Contractor shall be responsible for coordination and engagement of a specialist irrigation designer and installation contractor to design, supply and install an automatic subterranean drip irrigation system to all raised planter beds.

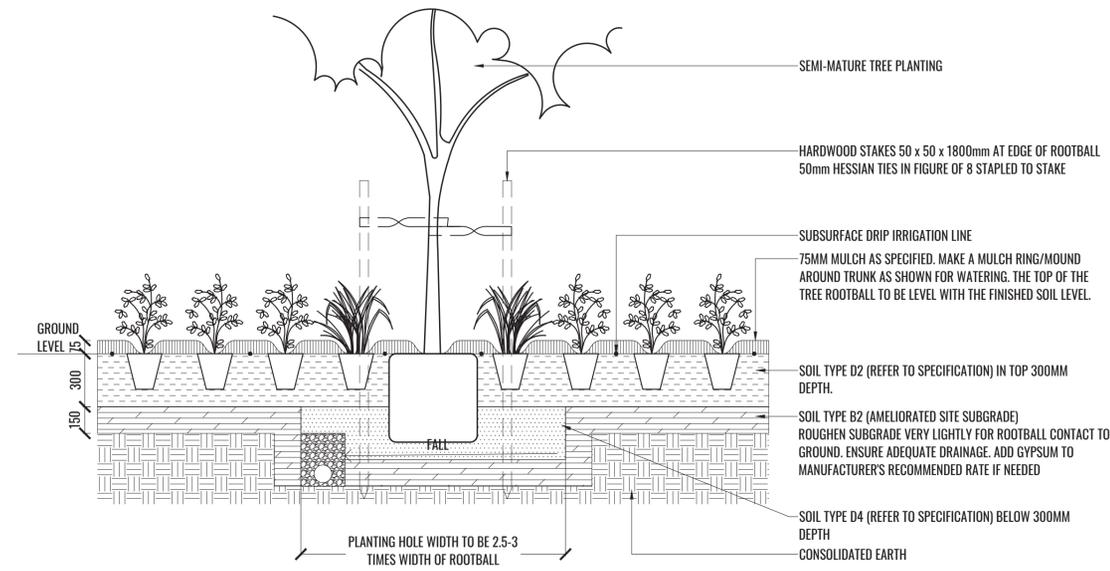
The irrigation system will need to provide designated landscaped areas with enough water for vigorous healthy plant growth. As a general rule landscaped areas will need 20-25mm, species dependant, of water per week. The landscape Contractor will need to monitor natural rainfall using a rain switch in order to set irrigation flow rates accordingly on a monthly basis.

## Standards

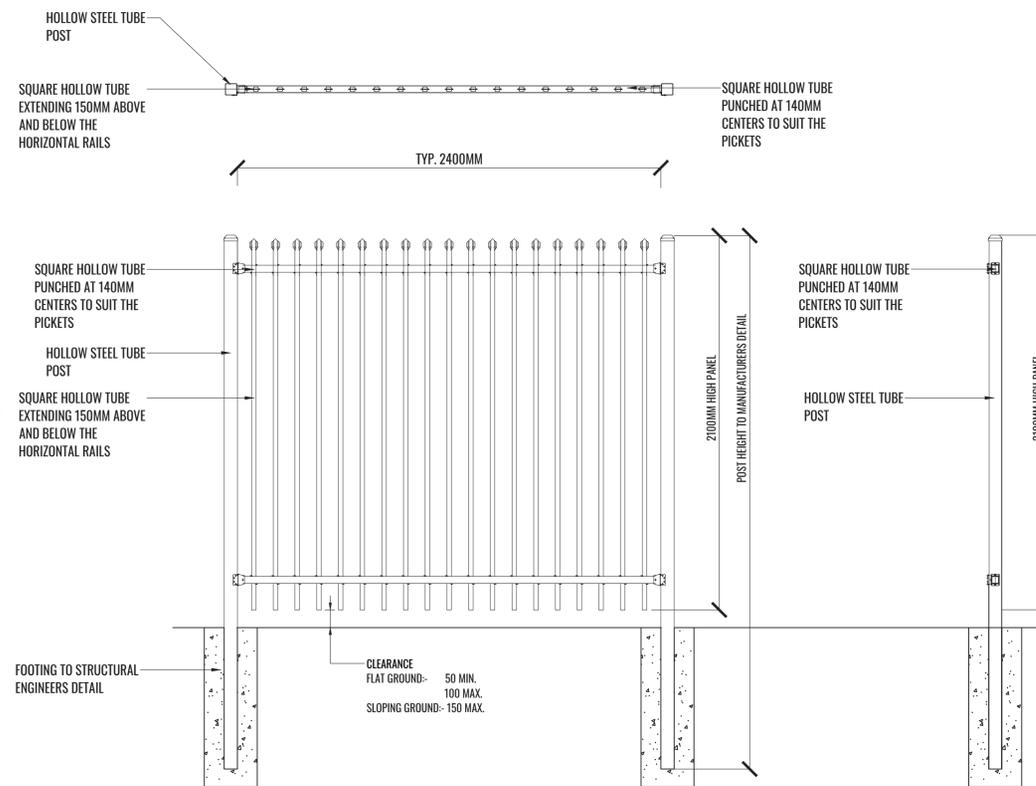
All grown or purchased plant stock must conform to all the conditions and requirements given in NATSPEC Guide: Specifying Trees. Soils to be in accordance with AS4419, mulching composts and conditioners to be in accordance with AS4454. Soils should conform to best practice specifications as listed in the Landscape Soils Handbook (Simon Leake & Elke Haege 2017).

# TYPICAL DETAILS

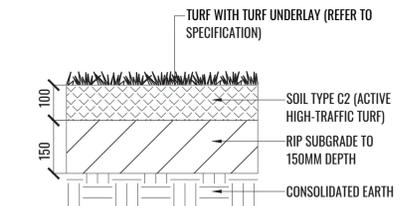
TREE/SHRUB SIZE AND QUALITY TO BE TO NATSPEC STANDARD. SPECIES IS TO BE AS PER PLAN AND PLANT SCHEDULE. ENSURE ONLY HEALTHY AND VIGOROUS, DISEASE FREE, WELL MAINTAINED PLANTS ARE USED. TAKE CARE TO ENSURE FOLIAGE, BRANCHES, TRUNKS AND ROOT CROWNS ARE NOT DAMAGED BEFORE, DURING AND AFTER PLANTING. ENSURE OPTIMUM MAINTENANCE AND ESTABLISHMENT OF TREES/SHRUBS OCCURS AS SOON AS THEY ARE AT SITE



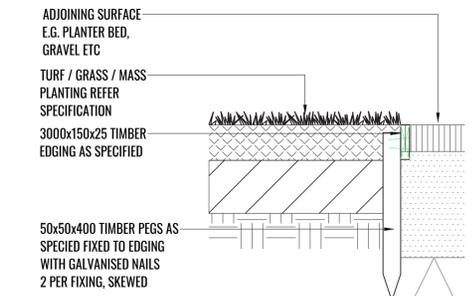
1 MASS TREE & GROUND COVER PLANTING DETAIL Scale 1:20



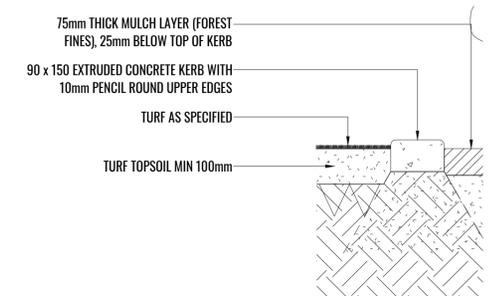
2 TYPICAL DIPLOMAT PALISADE FENCE DETAIL Scale 1:20



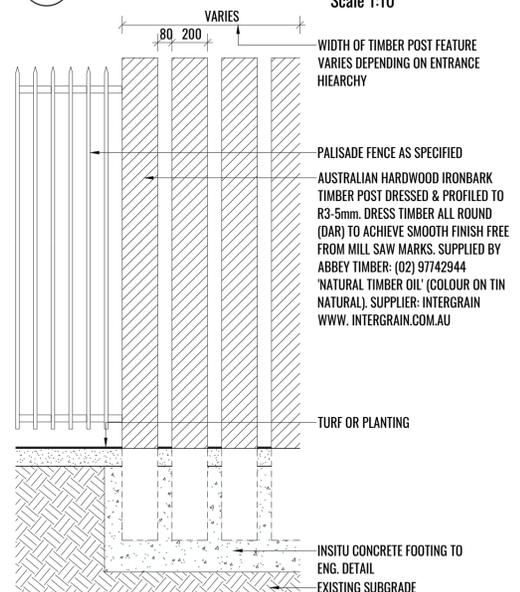
3 TURF DETAIL Scale 1:10



4 TIMBER EDGE DETAIL Scale 1:10



5 CONCRETE EDGE DETAIL Scale 1:10



6 TYPICAL CHARTER HALL FEATURE TIMBER POST CLUSTER DETAIL Scale 1:20

Drawing Title:  
**Typical Specifications & Details**  
DWG No:  
**SSD-12**

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# PLANT SCHEDULE

PLANT CODE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	NATIVE	POT SIZE	PLANTING DENSITY	QTY*
<b>General trees</b>							
BRA ACE	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	20m	✓	45L	As Shown	3
COR MAC	<i>Corymbia maculata</i>	Spotted Gum	20m	✓	45L	As Shown	6
ELA RET	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	15m	✓	45L	As Shown	3
MAG LIT	<i>Magnolia grandiflora 'Little Gem'</i>	Magnolia	6m		45L	As Shown	5
LAG SID	<i>Lagerstroemia indica x fauriei 'Sioux'</i>	Crepe Myrtle	6m		45L	As Shown	2
TRI LAU	<i>Tristanopsis laurina</i>	Water Gum	12m	✓	45L	As Shown	23
WAT FLO	<i>Waterhousea floribunda 'Green Avenue'</i>	Weeping Lilly Pilly	10m	✓	45L	As Shown	7
<b>Shrubs and hedging</b>							
AGA att	<i>Agave attenuata</i>	Foxtail Agave	1.2m		200mm	As Shown	116
BUR spi	<i>Bursaria spinosa</i>	Blackthorn	3m	✓	200mm	As Shown	3
CAL vim	<i>Callistemon viminalis 'Green John'</i>	Green John Bottlebrush	0.6m	✓	200mm	As Shown	150
CRA arb	<i>Crassula arborescens 'Blue Bird'</i>	Crassula Blue Bird	0.8m		200mm	As Shown	142
DOD vis	<i>Dodonaea viscosa subsp. cuneata</i>	Sticky Hop Bush	3m	✓	200mm	As Shown	6
DOR exc	<i>Doryanthes excelsa</i>	Gymea Lilly	2-3m	✓	200mm	As Shown	71
IND aus	<i>Indigofera australis</i>	Australian Indigo	2m	✓	200mm	As Shown	3
MEL cla	<i>Melaleuca Claret Tops</i>	Claret Tops myrtle	1m	✓	200mm	As Shown	120
PIT tob	<i>Pittosporum Tobira 'Miss Muffet'</i>	Dwarf Pittosporum	1m		200mm	As Shown	68
RHA ind	<i>Rhaphiolepis indica 'Snow Maiden'</i>	Indian Hawthorn	0.8m		200mm	As Shown	122
SYZ aus	<i>Syzigium australe 'Tiny Trev'</i>	Lilly Pilly	1.2m	✓	200mm	750mm centres	87
VIB odo	<i>Viburnum odoratissimum</i>	Sweet Viburnum	2m	✓	200mm	750mm centres	498
WES fru	<i>Westringia fruitcosa 'Mundi'</i>	Native Rosemary	0.6m	✓	200mm	As Shown	138
<b>Grasses &amp; groundcovers</b>							
BRA mul	<i>Brachyscome multifida</i>	Rock Daisy	0.3m	✓	Tubestock	3/m2	598
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	✓	Tubestock	4/m2	650
CAR gla	<i>Carpobrotus glaucescens</i>	Native Pigface	0.3m	✓	140mm	4/m2	985
DIA cae	<i>Dianella caerulea 'Breeze'</i>	Native Flax	0.7m	✓	Tubestock	4/m2	579
DIC rep	<i>Dichondra repens</i>	Kidney Weed	0.1	✓	140mm	5/m2	98
ISO nod	<i>Isolepis nodosa</i>	Knobby Club Rush	1m	✓	Tubestock	4/m2	615
LOM mul	<i>Lomandra multiflora subsp. multiflora</i>	Mat-rush	0.6m	✓	Tubestock	5/m2	201
LOM tan	<i>Lomandra longifolia 'Tanika'</i>	Mat-rush	0.6m	✓	Tubestock	4/m2	1194
HAR vio	<i>Hardenbergia violacea</i>	Native Sasparilla	1-5m	✓	140mm	3/m2	570
MYO par	<i>Myoporum parvifolium 'Yareena'</i>	Boobiolla	0.15m	✓	140mm	4/m2	780
PEN alo	<i>Pennisetum alopecuroides 'Nafrey'</i>	Foxtail Grass	0.7m	✓	Tubestock	5/m2	1376
POA lab	<i>Poa labillardieri 'Eskdale'</i>	Tussock Grass	1m	✓	Tubestock	5/m2	270
SCA alb	<i>Scaevola albida 'White Carpet'</i>	White Fan Flower	0.2m	✓	140mm	4/m2	844
SEN man	<i>Senecio mandraliscae</i>	Blue Chalksticks	0.3m		140mm	3/m2	966
TRA jas	<i>Trachelospermum jasminoides</i>	Star Jasmine	0.2m		140mm	4/m2	1036

\* Plant numbers to be finalised at CC stage

# PLANT IMAGES



Corymbia maculata



Tristaniopsis laurina



Brachychiton acerifolius



Magnolia grandiflora 'Little Gem'



Bursaria spinosa



Dodonaea viscosa subsp. cuneata



Indigofera australis



Melaleuca Claret Tops



Westringia fruitcosa 'Mundi'



Crassula arborescens 'Blue Bird'



Pittosporum Tobira 'Miss Muffet'



Callistemon viminalis 'Green John'



Brachyscome multifida



Hardenbergia violacea 'Mini Meema'



Carpobrotus glaucescens



Scaevola albida 'White Carpet'

Drawing Title:  
Plant Schedules & Imagery  
DWG No:

**SSD-13**

**GEOSCAPES**  
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Architect:



Client:



Scale:	Date:	Job Number:	North:	Revision		FOR SSD		
N/A	08.09.21	210430	N/A	Rev	Date	Description	Drawn	Checked
Project: Horsley Business Park - Stage 2 North Wetherill Park, NSW 2164				<b>A</b>	30.07.21	Draft for review	PT	BG
				<b>B</b>	06.08.21	Draft for review	KC	BG
				<b>C</b>	13.08.21	Draft for review	PT	BG
				<b>D</b>	08.09.21	For SSD	PT	BG