

17-23 Talavera Road, Macquarie Park, NSW, 2113

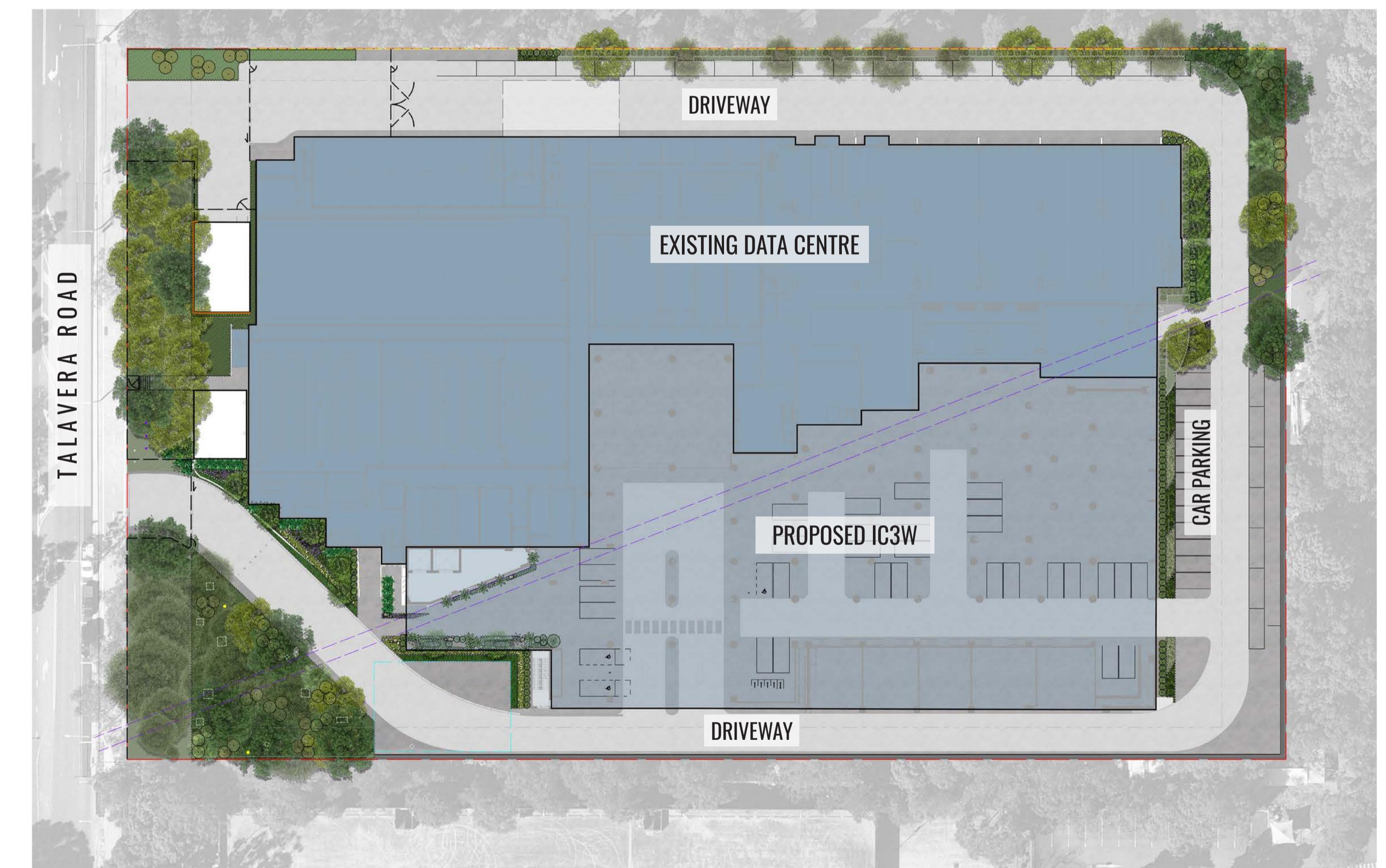
Landscape Documentation for State Significant Development Application



IMAGE TAKEN FROM NEARMAP 2021

Drawing Register

| Dwg No. | Drawing Name |
|---------|-------------------------------|
| SSD-00 | Landscape Cover Sheet |
| SSD-01 | Landscape Masterplan |
| SSD-02 | Landscape Detail Plan |
| SSD-03 | Tree Retention & Removal Plan |
| SSD-04 | Landscape Sections |
| SSD-05 | Specifications & Details |
| SSD-06 | Planting Schedule & Imagery |



Drawing Title:
Landscape Cover Sheet
DWG No:

SSD-00

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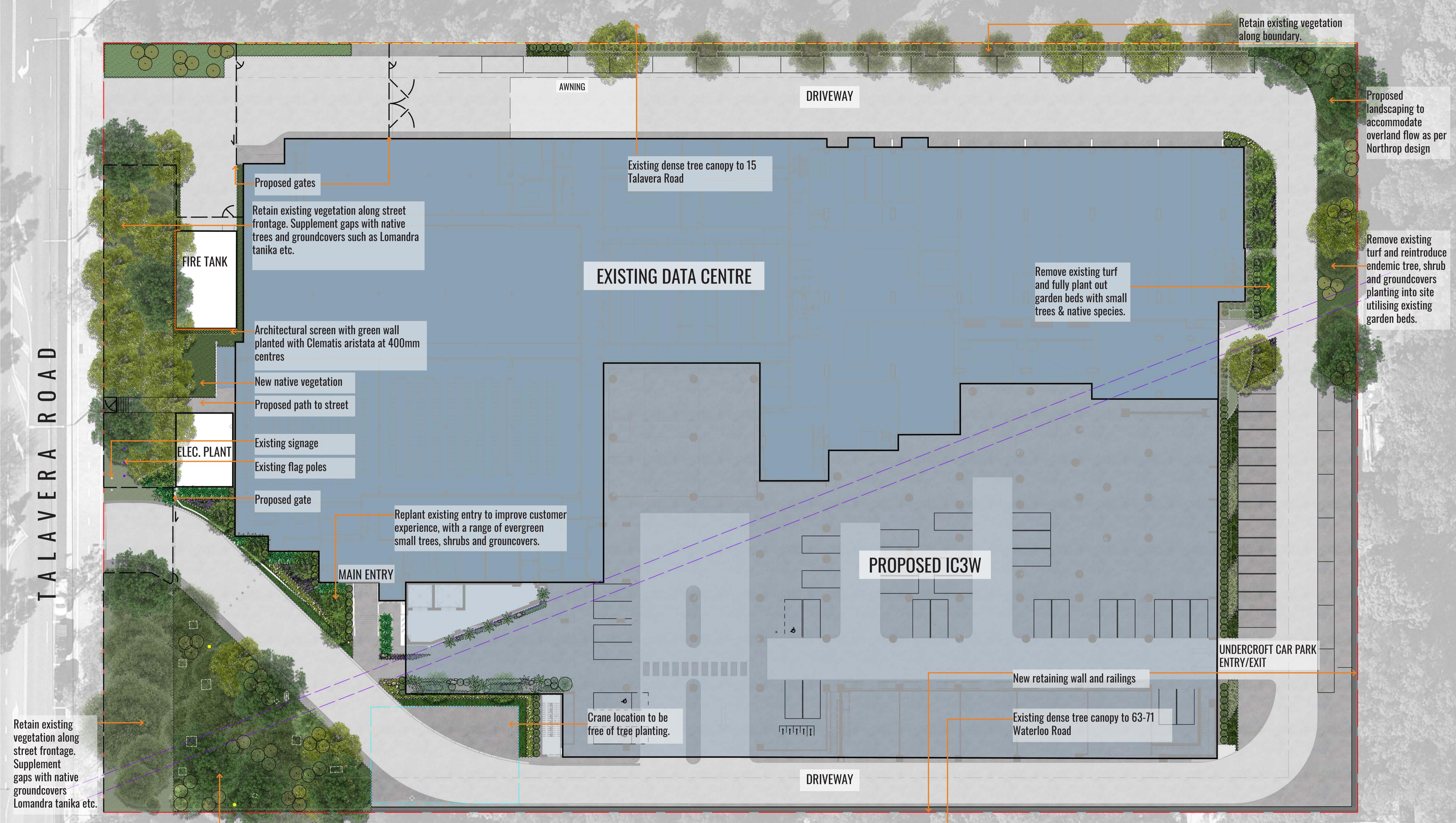
Architect:
HDR

Project Manager:
GIDDIS
PROJECT MANAGEMENT

Client:
macquarie
TELECOM GROUP

| Scale: | Date: | Job Number: | North: | Revision | STATE SIGNIFICANT DEVELOPMENT | | | |
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| | | | | Rev | Date | Description | Drawn | Checked |
| N/A | 03.11.21 | 210503 | N/A | E | 11.10.21 | FOR SSD | KC | BG |
| Project: | | | | F | 20.10.21 | FOR SSD | KC | BG |
| | | | | G | 25.10.21 | FOR SSD | KC | BG |
| | | | | H | 03.11.21 | FOR SSD | KC | BG |

MDC IC3West
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Reintroduce endemic tree planting into site utilising existing garden beds. Species include those found from Coastal Shale Sandstone Forest such as *Angophora costata*, *Corymbia gummifera*, *Eucalyptus resinifera* and *Pittosporum undulatum*. Understorey of small shrubs and groundcovers.

Proposed Trees: 47 **Landscape Area: 2743m² (14%)**



Drawing Title:
Landscape Masterplan

DWG No:

SSD-01



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L A N D S C A P E A R C H I T E C T

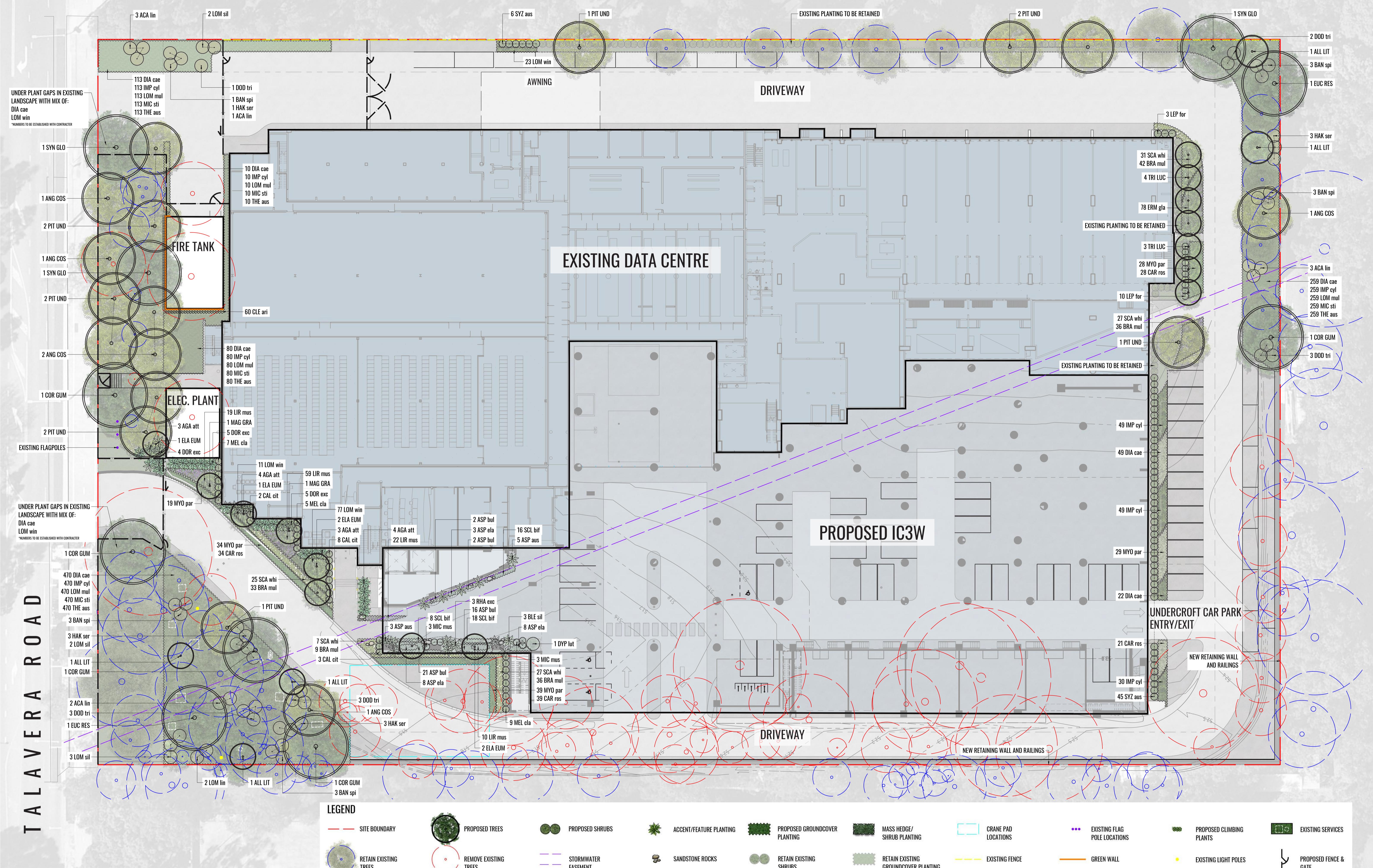
Architect:

HDR

Project Manager:

The logo for Macquarie Telecom Group. It features a circular emblem on the left composed of three overlapping circles in blue, green, and purple. To the right of the emblem, the word "macquarie" is written in a large, bold, black sans-serif font. Below "macquarie", the words "TELECOM GROUP" are written in a smaller, bold, black sans-serif font.

| Scale: | Date: | Job Number: | North: | Revision | STATE SIGNIFICANT DEVELOPMENT | | | |
|--|----------|-------------|---|----------|-------------------------------|---------|----|----|
| 1:250 @ A1 1:500 @ A3 | 03.11.21 | 210503 |  | E | 11.10.21 | FOR SSD | KC | BG |
| Project: MDC IC3West 17-23 Talavera Road, Macquarie Park, NSW 2113 | | | | F | 20.10.21 | FOR SSD | KC | BG |
| | | | | G | 25.10.21 | FOR SSD | KC | BG |
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Drawing Title:
Landscape Detail Plan
DWG No:

SSD-02

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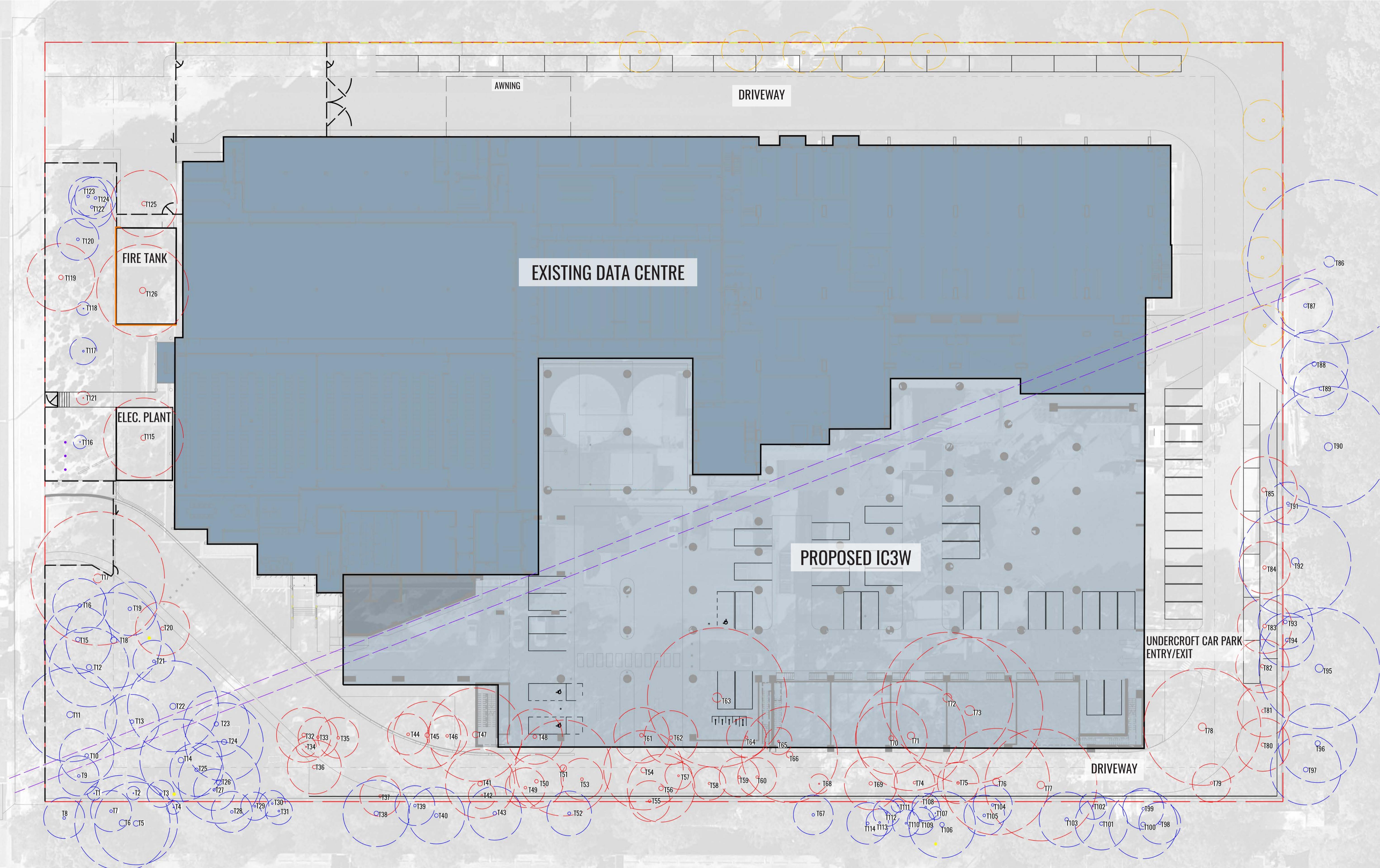
Project Manager: **GIDDIS**
PROJECT MANAGEMENT

Client: **macquarie**
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| F 20.10.21 FOR SSD | | | | KC BG | |
| G 25.10.21 FOR SSD | | | | KC BG | |
| H 03.11.21 FOR SSD | | | | KC BG | |

Project: **MDC IC3West**
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TALAVERA ROAD



Trees to be retained inside site boundary: 29
 Trees to be removed inside site boundary: 55

Juvenile trees to be retained from recent planting: 10

Drawing Title:

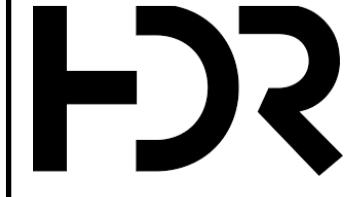
Tree Retention & Removal Plan

SSD-03

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Architect:



Project Manager:



Client:



Scale:

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 1:500 @ A3

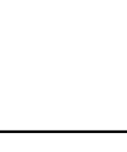
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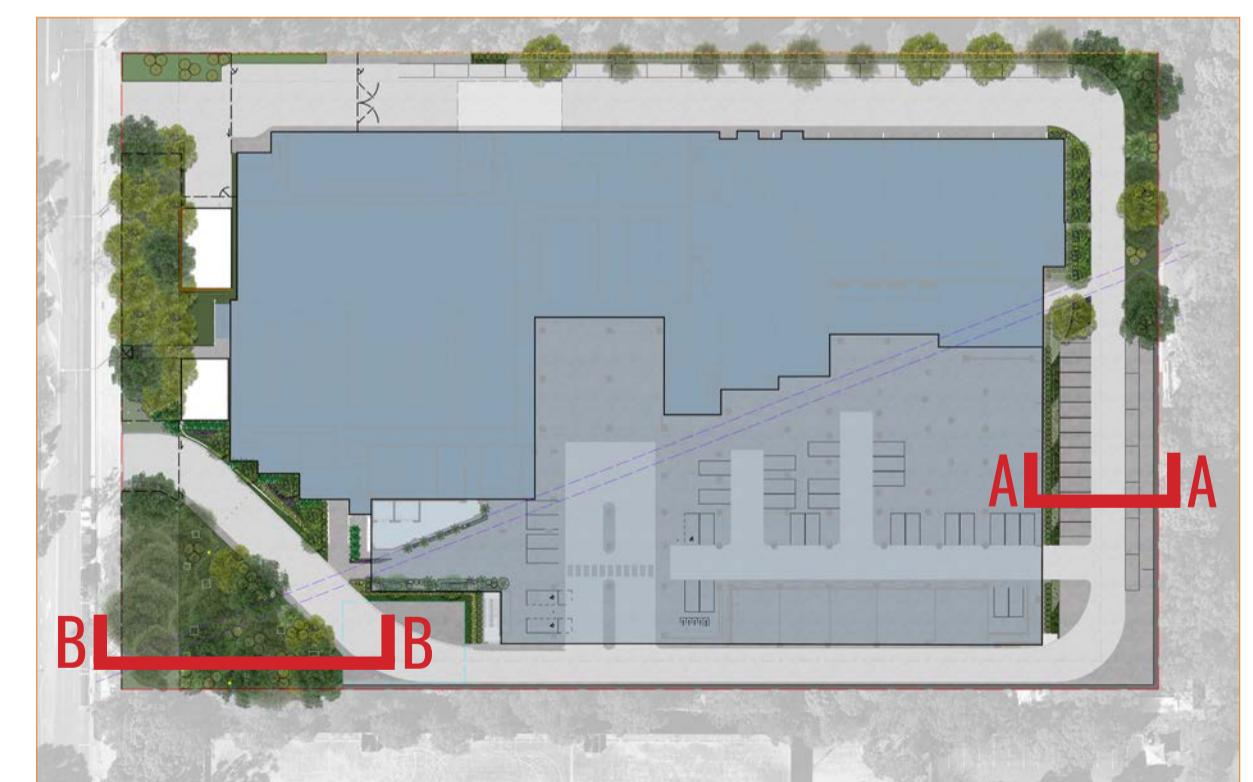
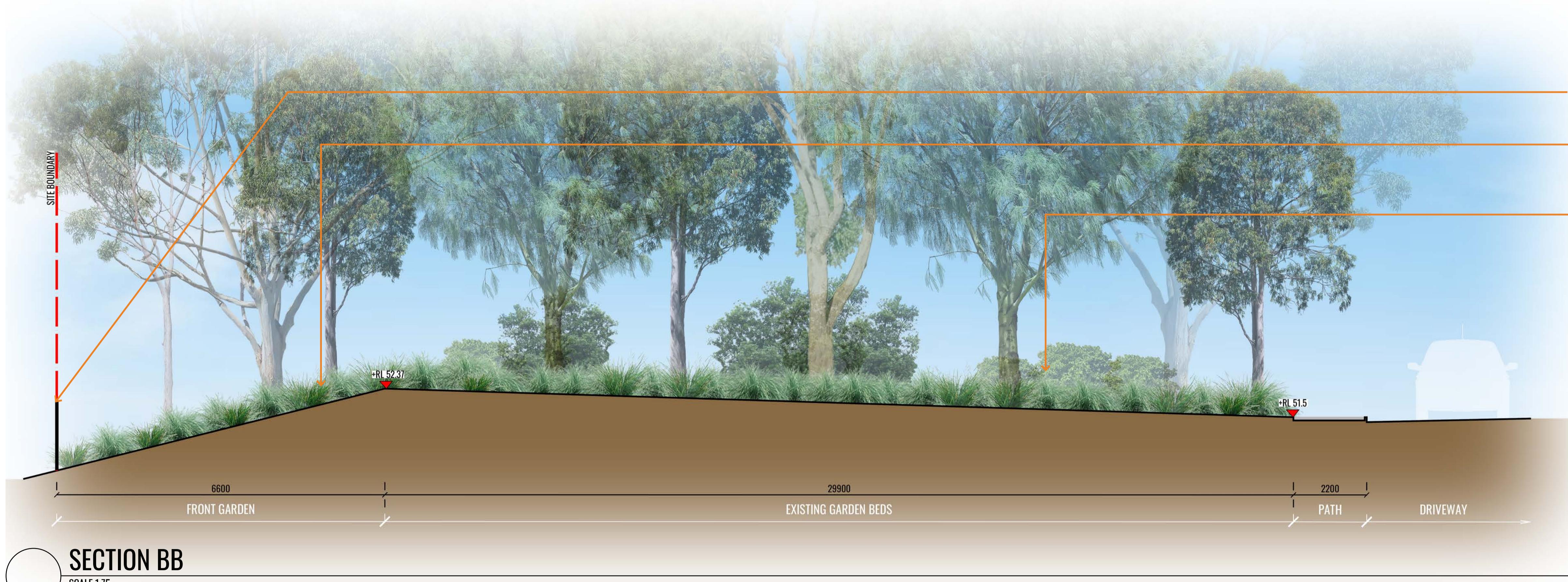
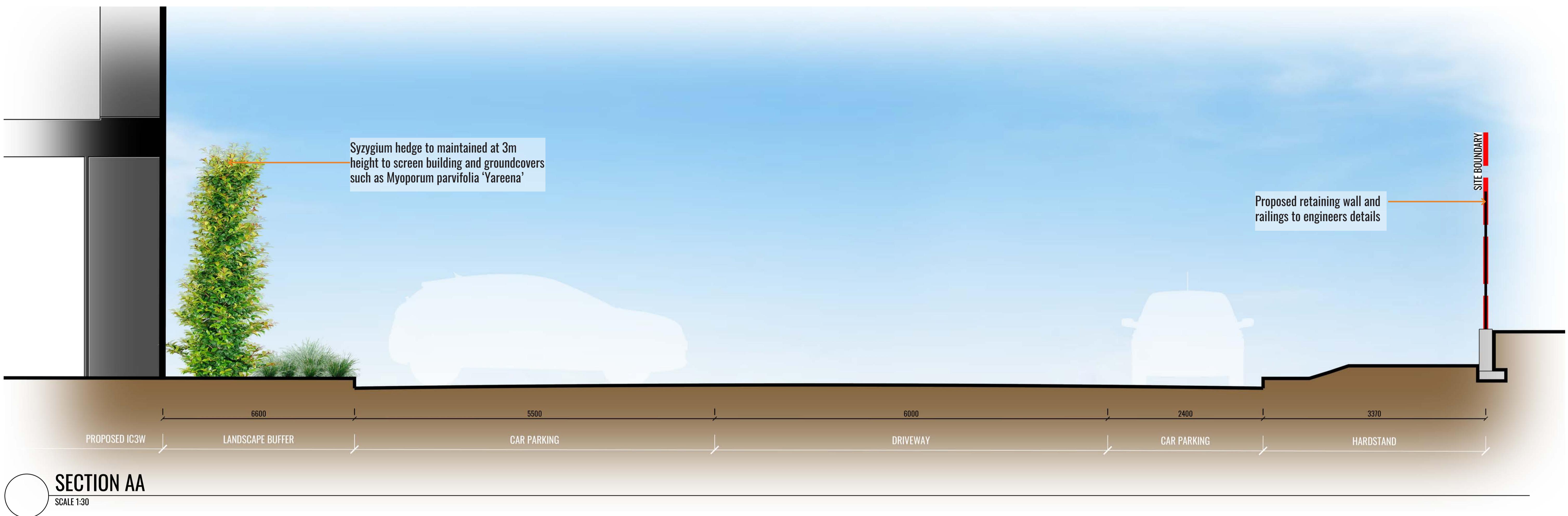
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North:



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Drawing Title:
Landscape Sections
DWG No:

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Architect: **HDR**

Project Manager: **GIDDIS** PROJECT MANAGEMENT

Client: **macquarie**
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| H | 03.11.21 | FOR SSD | | KC | BG | |

Project: MDC IC3West
17-23 Talavera Road, Macquarie Park, NSW 2113

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. Reinstate 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.

Organic mulch is not to be used within 1m of a building. Use pebble mulch in these areas instead.

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

Non-Australian native garden beds to have soil installed consisting of 50% existing site topsoil and 50% new topsoil equal or equivalent to 'Organic Garden Mix' as supplied by Australian Native Landscapes. 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 garden bed areas and planter container. 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.

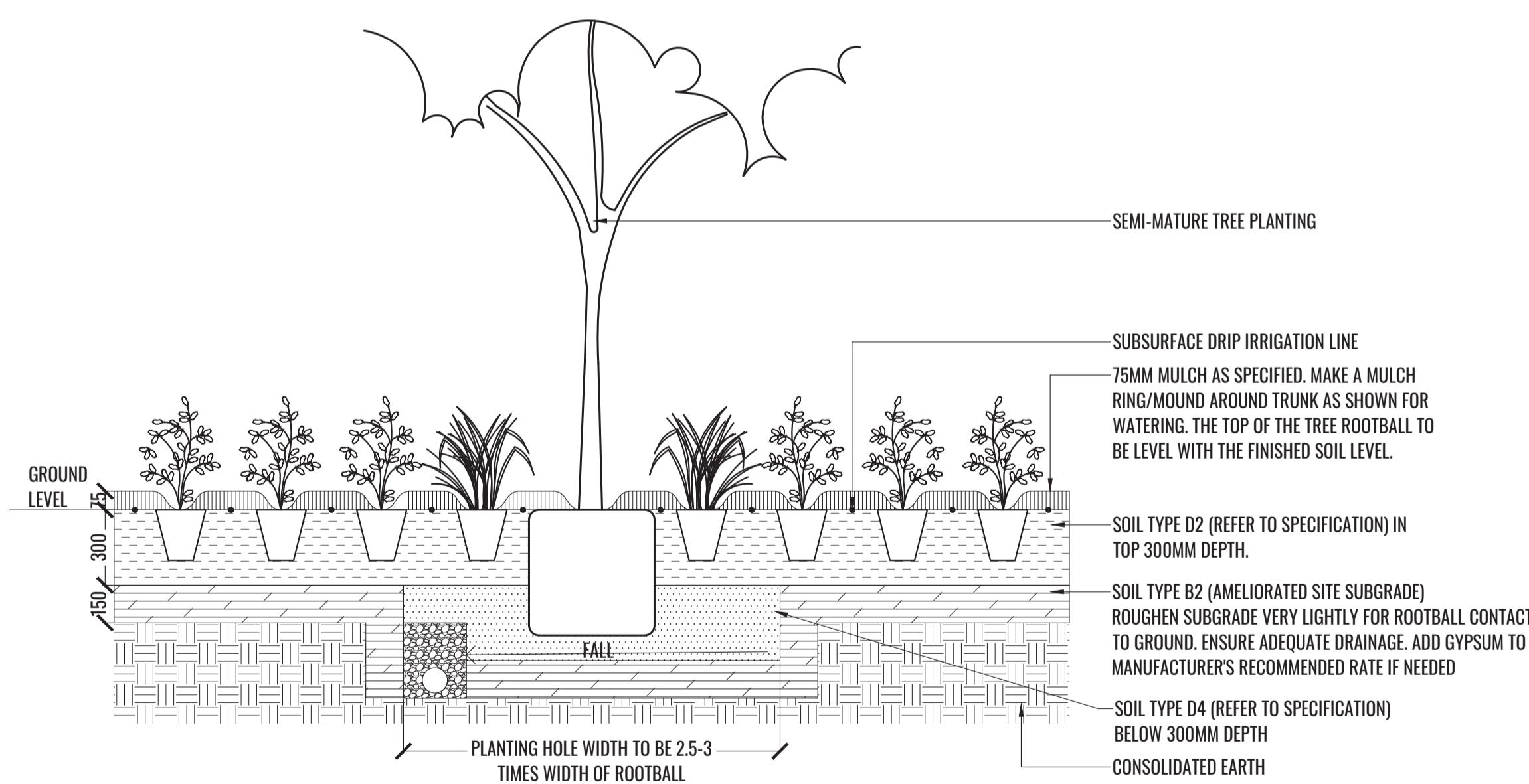
The irrigation system will need to provide designated landscaped areas with enough water for vigorous healthy plant growth. As a general rule landscaped areas will need 20-25mm, species dependant, of water per week.

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).

TREE/SHRUB SIZE AND QUALITY TO BE 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



THOROUGHLY SOAK THE ROOTBALL OF TREE WITH FRESH WATER BEFORE TAKING OFF POT OR BAG. WHEN PLANTING HOLE IS COMPLETE USE A SHARP SPADE TO SHAVE OFF 20-50MM OF THE SIDES AND BASE OF ROOTBALL (TO ROOT PRUNE IT) BEFORE CAREFULLY PLACING INTO PLANTING HOLE. IF NORTH IS MARKED ON THE TREE, ENSURE ORIENTATION IS CORRECT WITH NORTH MARKING TO THE NORTH.

- REMOVE ANY STAKES, TIES AND LABELS. WATER ROOTBALL THOROUGHLY.
- TOP OF ROOTBALL TO FINISH FLUSH WITH TOP OF SOIL.

1 MASS PLANTING AND TREE DETAIL

TYPICAL SECTION

Drawing Title:

Specifications & Details

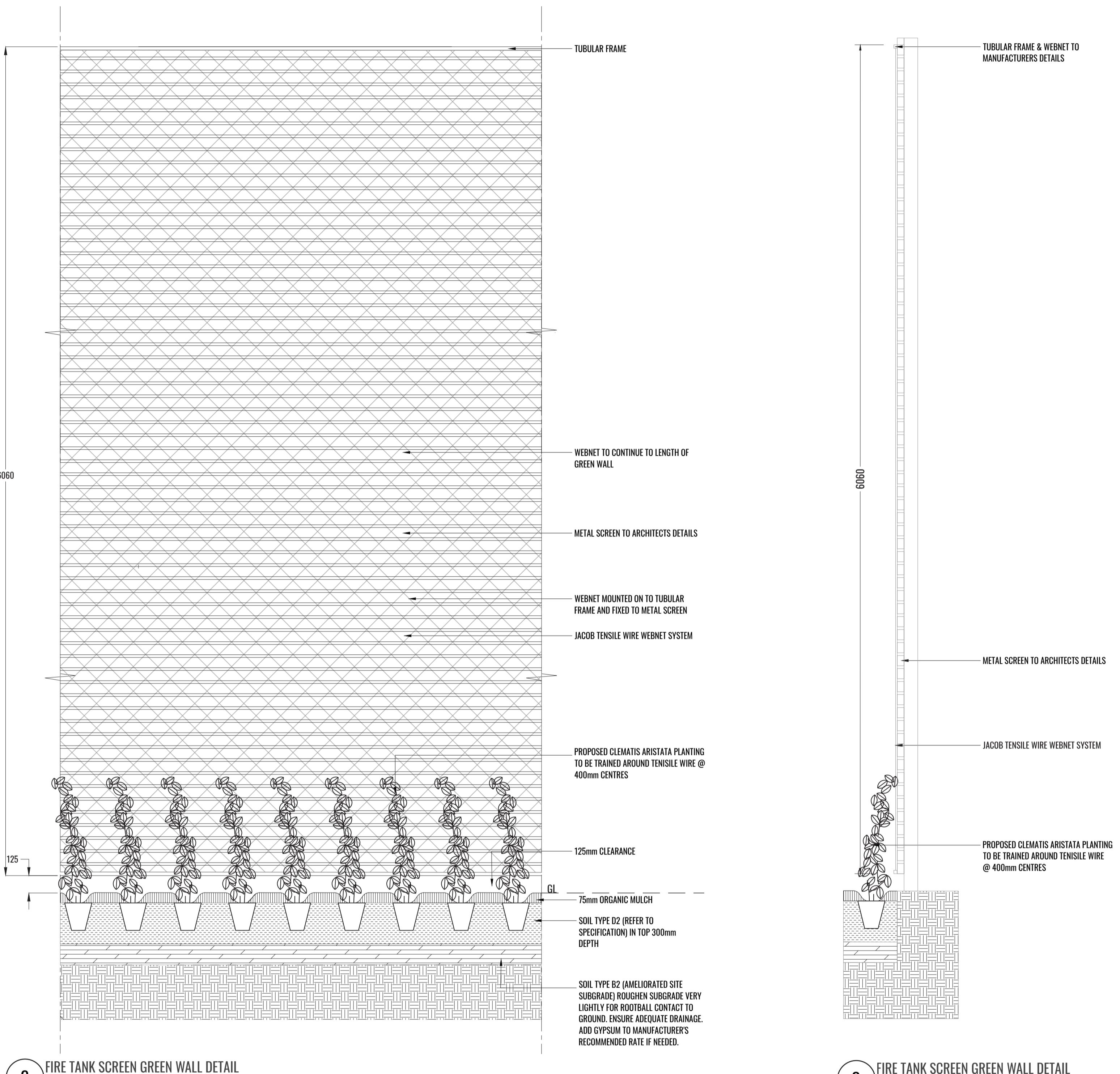
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Architect: **HDR**

Project Manager: **GIDDIS**
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TYPICAL LANDSCAPE DETAILS



2 FIRE TANK SCREEN GREEN WALL DETAIL

SCALE 1:20

3 FIRE TANK SCREEN GREEN WALL DETAIL

SCALE 1:20

SCALE 1:20

| Revision | Date | Description | Drawn | Checked |
|---------------|----------|-------------|---|---------|
| | | | E | F |
| AS SHOWN @ A1 | 03.11.21 | 210503 | N/A | |
| Project: | | | MDC IC3West | |
| | | | 17-23 Talavera Road, Macquarie Park, NSW 2113 | |

STATE SIGNIFICANT DEVELOPMENT

PLANTING SCHEDULE

| Code | Botanical Name | Common Name | Mature Height | Coastal Shale Sandstone Forest | Spacing | Pot Size | Qty* |
|------------------------------|--|------------------------|---------------|--------------------------------|-----------|-----------|------|
| Trees | | | | | | | |
| ANG COS | <i>Angophora costata</i> | Smooth-Bark Apple | 15-25m | ✓ | As Shown | 75L | 6 |
| ALL LIT | <i>Allocasuarina littoralis</i> | Black She-oak | 8-12m | ✓ | As Shown | 75L | 5 |
| COR GUM | <i>Corymbia gummifera</i> | Red Bloodwood | 15m | ✓ | As Shown | 75L | 5 |
| ELA EUM | <i>Elaeocarpus eumundi</i> | Eumundi Quandong | 6-10m | | As Shown | 75L | 6 |
| EUC RES | <i>Eucalyptus resinifera</i> | Red Mahogany | 45m | ✓ | As Shown | 75L | 2 |
| MAG GRA | <i>Magnolia grandiflora 'Teddy Bear'</i> | Southern Magnolia | 4m | | As Shown | 75L | 2 |
| PIT UND | <i>Pittosporum undulatum</i> | Sweet Pittosporum | 12m | ✓ | As Shown | 75L | 11 |
| SYN GLO | <i>Syncarpia glomulifera</i> | Turpentine | 60m | ✓ | As Shown | 75L | 3 |
| TRI LUC | <i>Tristaniopsis laurina 'Luscious'</i> | Water Gum | 7-12m | | As Shown | 75L | 7 |
| Shrubs | | | | | | | |
| ACA lin | <i>Acacia linifolia</i> | Flax Wattle | 2-5m | ✓ | As Shown | 200mm | 9 |
| AGA att | <i>Agave attenuata</i> | Fox Tail Agave | 3m | | As Shown | 200mm | 14 |
| ASP aus | <i>Asplenium australasicum</i> | Birds Nest Fern | 1.5m | | As Shown | 200mm | 8 |
| BAN spi | <i>Banksia spinulosa</i> | Prickly-Leaved Banksia | 1-3m | ✓ | As Shown | 200mm | 12 |
| BLE sil | <i>Blechnum 'Silver Lady'</i> | Dwarf Tree Fern | 1.2m | | As Shown | 200mm | 3 |
| CAL cit | <i>Callistemon citrinus 'White Anzac'</i> | Bottlebrush | 0.5-1.5m | | As Shown | 200mm | 13 |
| DYP lut | <i>Dypsis lutescens</i> | Golden Cane Palm | 2-2.5m | | As Shown | 200mm | 1 |
| DOD tri | <i>Dodonaea triquetra</i> | Common Hop Bush | 3m | ✓ | As Shown | 200mm | 12 |
| GOR exc | <i>Doryanthes excelsa</i> | Spear Lily | 2-4m | | As Shown | 200mm | 14 |
| HAK ser | <i>Hakea sericea</i> | Needlebush | 7m | ✓ | As Shown | 200mm | 10 |
| LEP for | <i>Leptospermum laevigatum 'Fore Shore'</i> | Tea Tree | 0.3-0.5m | | As Shown | 200mm | 13 |
| LOM sil | <i>Lomatia silaifolia</i> | Wild Parsley | 1-2m | ✓ | As Shown | 200mm | 7 |
| MEL cla | <i>Melaleuca linariifolia 'Claret Tops'</i> | Honey Myrtle | 1m | | As Shown | 200mm | 21 |
| MIC mus | <i>Microsorum musifolium</i> | Crocodile Fern | 1.2m | | As Shown | 200mm | 6 |
| RHA exc | <i>Rhapis excelsa</i> | Broadleaf Lady Palm | 4m | | As Shown | 200mm | 3 |
| SYZ aus | <i>Syzygium australe 'Northern Select'</i> | Lilly Pilly | 5m | | 1.5m Ctrs | 200mm | 51 |
| Grasses + Groundcover | | | | | | | |
| ASP bul | <i>Asplenium bulbiferum</i> | Hen and Chickens Fern | 1m | | 4/m2 | 140mm | 41 |
| ASP ela | <i>Aspidistra elatior</i> | Cast Iron Plant | 0.9m | | 4/m2 | 140mm | 19 |
| BRA mul | <i>Brachyscome multifida 'Break O Day'</i> | Rock Daisy | 0.2-3m | | 4/m2 | 140mm | 156 |
| CAR ros | <i>Carpobrotus rossii 'White hot'</i> | Native Pig Face | 0.2-0.4m | | 3/m2 | 140mm | 122 |
| DIA cae | <i>Dianella caerulea</i> | Blue-Flax Lily | 1m | ✓ | 5/m2 | Tube | 1003 |
| ERM gla | <i>Eremophila glabra 'Blue Horizon [EREM1]</i> | Emu Plant | 0.25m | | 3/m2 | 140mm | 78 |
| IMP cyl | <i>Imperata cylindrica var. major</i> | Blady Grass | 1.2m | ✓ | 5/m2 | Tube | 1060 |
| LIR mus | <i>Liriope muscari</i> | Lilyturf | 0.6m | | 5/m2 | 140mm | 110 |
| LOM mul | <i>Lomandra multiflora</i> | Many-Flowered Mat-Rush | 0.8m | ✓ | 5/m2 | Tube | 932 |
| LOM win | <i>Lomandra confertifolia 'Wingarra'[SIR5]</i> | Spiny Mat Rush | 0.3m | | 5/m2 | Tube | 72 |
| MIC sti | <i>Microlestes stipoides var. stipoides</i> | Weeping Grass | 0.7m | ✓ | 5/m2 | Tube | 932 |
| MYO par | <i>Myoporum parvifolia 'Yareena'[PARV01]</i> | Creeping Boabialla | 0.1m | | 3/m2 | 140mm | 149 |
| SCA whi | <i>Scaevola albida 'White Carpet'</i> | White Fan Flower | 0.1-0.2m | | 3/m2 | 140mm | 117 |
| SCL bif | <i>Scleranthus biflorus</i> | Cushion Bush | 0.1m | | 6/m2 | 140mm | 42 |
| THE aus | <i>Thespesia australis</i> | Kangaroo Grass | 0.2-0.5m | ✓ | 5/m2 | Tube | 932 |
| Climbers | | | | | | | |
| CLE ari | <i>Clematis aristata</i> | Goat's Beard | 2m | | 0.4m Ctrs | Tubestock | 60 |

*Plant numbers to be finalised at Detailed Design / CC-Tender stage

PLANT IMAGES



A. Syncarpia glomulifera B. Banksia spinulosa C. Asplenium bulbiferum D. Rhapis excelsa E. Callistemon citrinus 'White Anzac' F. Syzygium australe 'Northern Select' G. Dianella tasmanica 'Splice' H. Carpobrotus rossii 'White hot' I. Clematis aristata J. Liriope muscari K. Scaevola albida 'White Carpet' L. Elaeocarpus eumundi M. Scleranthus biflorus N. Brachyscome multifida 'Break O Day' O. Myoporum parvifolia 'Yareena' P. Pittosporum undulatum

Drawing Title:

Planting Schedule & Imagery

DWG No:

SSD-06

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