

PROPOSED WAREHOUSE

246 Miller Road, Villawood, NSW

LANDSCAPE DOCUMENTATION FOR: CONSTRUCTION CERTIFICATE (DRAFT)



LEGEND

- PLANTING BED
Refer Notes & Details and Engineer's Details
- FEATURE TREE IN PLANTING BED
Refer to Detail
- EXISTING TREE TO BE REMOVED
Refer to Arborist Report
- EXISTING TREE TO BE RETAINED
Refer to Arborist Report
- OVERLAND FLOW DIVERSION ZONE
Refer to Details
- PIT
To Engineer's Detail
- RETAINING WALL
To Engineer's Detail
- TURF
Refer to Details
- TIMBER EDGING
Refer to Detail

GENERAL NOTES

1.0 These drawings must be read in conjunction with the drawing package from the consultant team including all engineering drawings.

2.0 Do not scale from these drawings - use figured dimensions.

3.0 SERVICES

Verify the 'as built' location of all existing services before excavation works are started. Services shown are indicative only.

4.0 FALLS

All pavement, planting & turf areas to be graded evenly. Ponding is unacceptable.

5.0 SURFACE LEVELS

Bulk surface levels to be verified on site post Civil Contractor works. All adjacent surfaces are to be level and flush unless stated or documented otherwise.

6.0 PLANT PROCUREMENT

Landscape Architect to approve plant procurement prior to ordering.

7.0 SET OUTS

Landscape Architect to approve project set out prior to construction.

8.0 IRRIGATION

Design + Construct by contractor. Confirm extent prior to construction.

9.0 All planting to AS 2303 - 2015 - Tree Stock + Natspec (2003) guide to specifying trees

PLANT SCHEDULE

CODE	BOTANICAL NAME	HT. IN POT(m)	POT SIZE	DENSITY	QUANTITY
TREES					
* TL	Tristaniopsis 'Luscious'	2.5	75L	As Shown	37
CUP	Cupaniopsis anacardioides	2.5	75L	As Shown	20
CMA	Corymbia maculata	2.0	75L	As Shown	60
* MCW	Magnolia 'Coolwyn Gloss'	2.5	100L	As Shown	25
* WFL	Waterhousea floribunda	2.5	75L	As Shown	31
* ER	Elaeocarpus reticulatus	2.5	400mm	As Shown	10
AC	Angophora costata	2.0	75L	As Shown	5
CBC	Corymbia 'Citro'	2.0	75L	As Shown	16
EMM	Eucalyptus moluccana	2.0	75L	As Shown	29
* MEX	Magnolia 'Exmouth'	2.0	180L	As Shown	6
* MTB	Magnolia 'Teddy Bear'	2.0	100L	As Shown	11
SHRUBS					
BY	Beschneria yuccoides		150mm	4/m ²	525
WFR	Westringia fruticosa		150mm	2/m ²	1075
DEX	Doryanthes excelsa		150mm	2/m ²	839
PT	Phormium tenax 'Purpureum'		150mm	2/m ²	216
GRG	Grevillea 'Robyn Gordon'		150mm	2/m ²	1056
CCC	Callistemon 'Captain Cook'		150mm	2/m ²	445
CLJ	Callistemon 'Little John'		150mm	2/m ²	1068
* SSF	Syzygium 'Select'		200mm	2/m ²	481
GROUNDCOVERS & GRASSES					
HV	Hardenbergia violacea		Tubestock	4/m ²	1900
VH	Viola hederacea		Tubestock	4/m ²	730
DR	Dianella revoluta		Tubestock	4/m ²	1480
LL	Lomandra longifolia		Tubestock	4/m ²	2768
LT	Lomandra longifolia 'Tanika'		Tubestock	4/m ²	3264
CG	Carpobrotus glaucescens		Tubestock	4/m ²	2254
MPA	Myoporum parvifolium		Tubestock	4/m ²	620

PLANTING NOTES:

- * 1. TREES SOURCED AND PRE-GROWN AT ROBERT DONATO NURSERY. CONTACT: 0429 823 201
 - 2. NO ALTERNATIVE NURSERY TO BE USED IF * IS PLACED NEXT TO PLANT SPECIES.
- THIS IS A LEGAL DA CONDITION, TREES ARE SELECTED TO COMPLY WITH COUNCIL CONDITIONS.

ISSUE	DATE	PURPOSE
A	21.02.2020	CLIENT APPROVAL

CLIENT

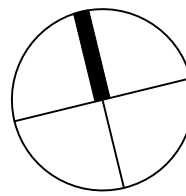


PROJECT

PROPOSED WAREHOUSE
DEVELOPMENT
246 Miller Rd, Villawood, NSW

DRAWING TITLE

COVERSHEET



SCALE
NTS

DRAWN
KM / MB

CHECKED
DV

PROJECT NO.

H819017

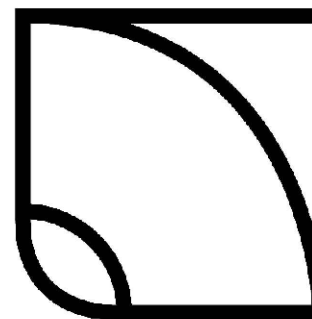
DRAWING NO.

L-0001

REVISION

A

LANDSCAPE ARCHITECT:



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NOT FOR CONSTRUCTION

DRAWING REGISTER

L-0001	COVERSHEET
L-1001	LANDSCAPE PLAN 01
L-1002	LANDSCAPE PLAN 02
L-1003	LANDSCAPE PLAN 03
L-1004	LANDSCAPE PLAN 04
L-1005	LANDSCAPE PLAN 05
L-1006	LANDSCAPE PLAN 06
L-1007	LANDSCAPE PLAN 07
L-1501	DETAIL PLANTING PLAN
L-2001	LANDSCAPE SECTION A AND B
L-2002	LANDSCAPE DETAILS
L-2003	SPECIFICATION AND MAINTENANCE NOTES

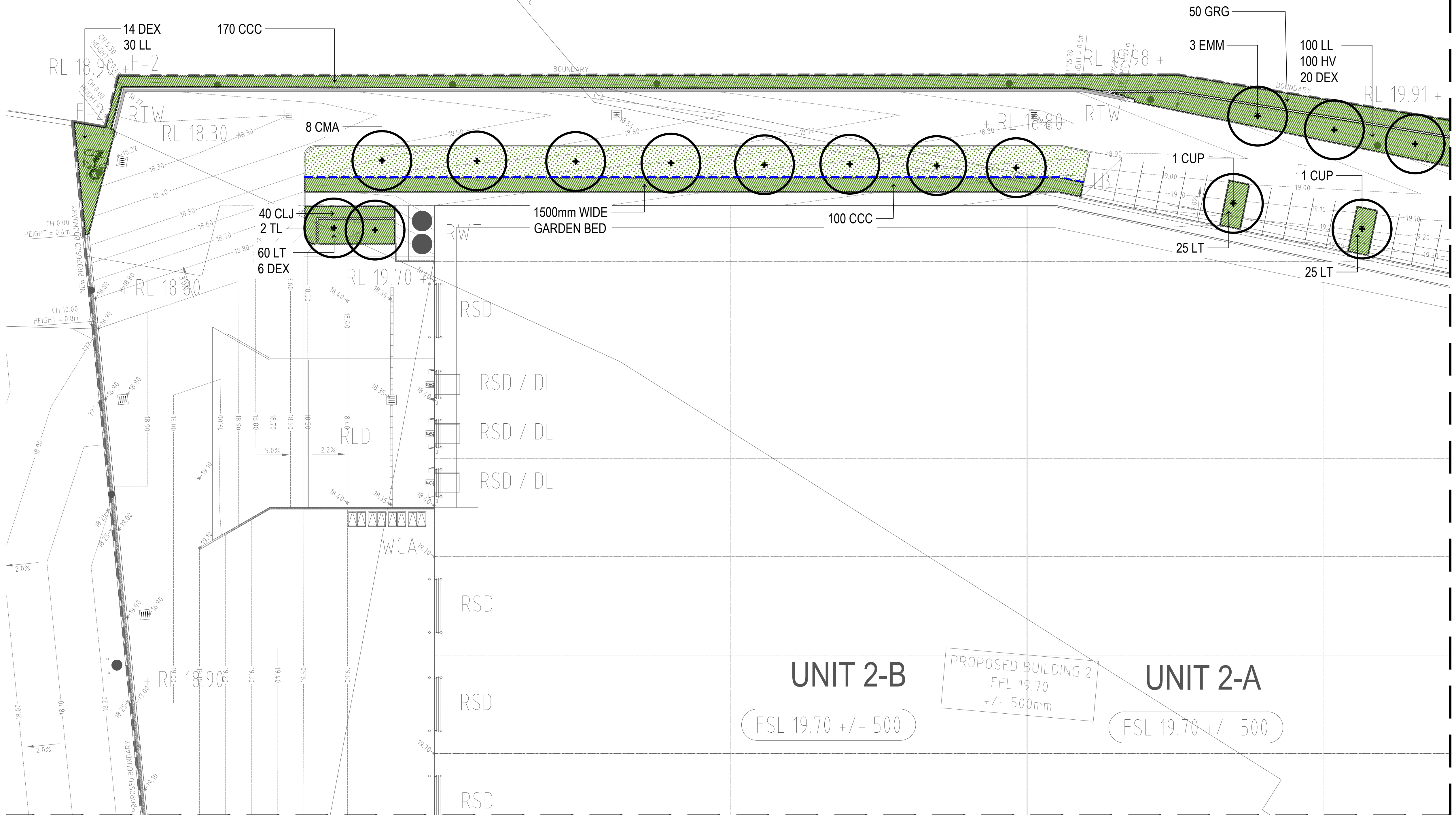


SITE PLAN

NTS

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JOINS L-1002

KEYPLAN

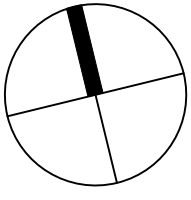


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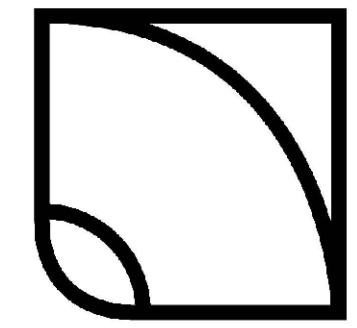
DRAWING TITLE
LANDSCAPE PLAN 01



SCALE
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DRAWN KM / MB	CHECKED DV	REVISION
PROJECT NO. H819017	DRAWING NO. L-1001	REVISION A

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JOINS L-1004



JOINS L-1003

- 45 CCC
65 WFR
100 MPA (TO EDGE)



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subject to a future
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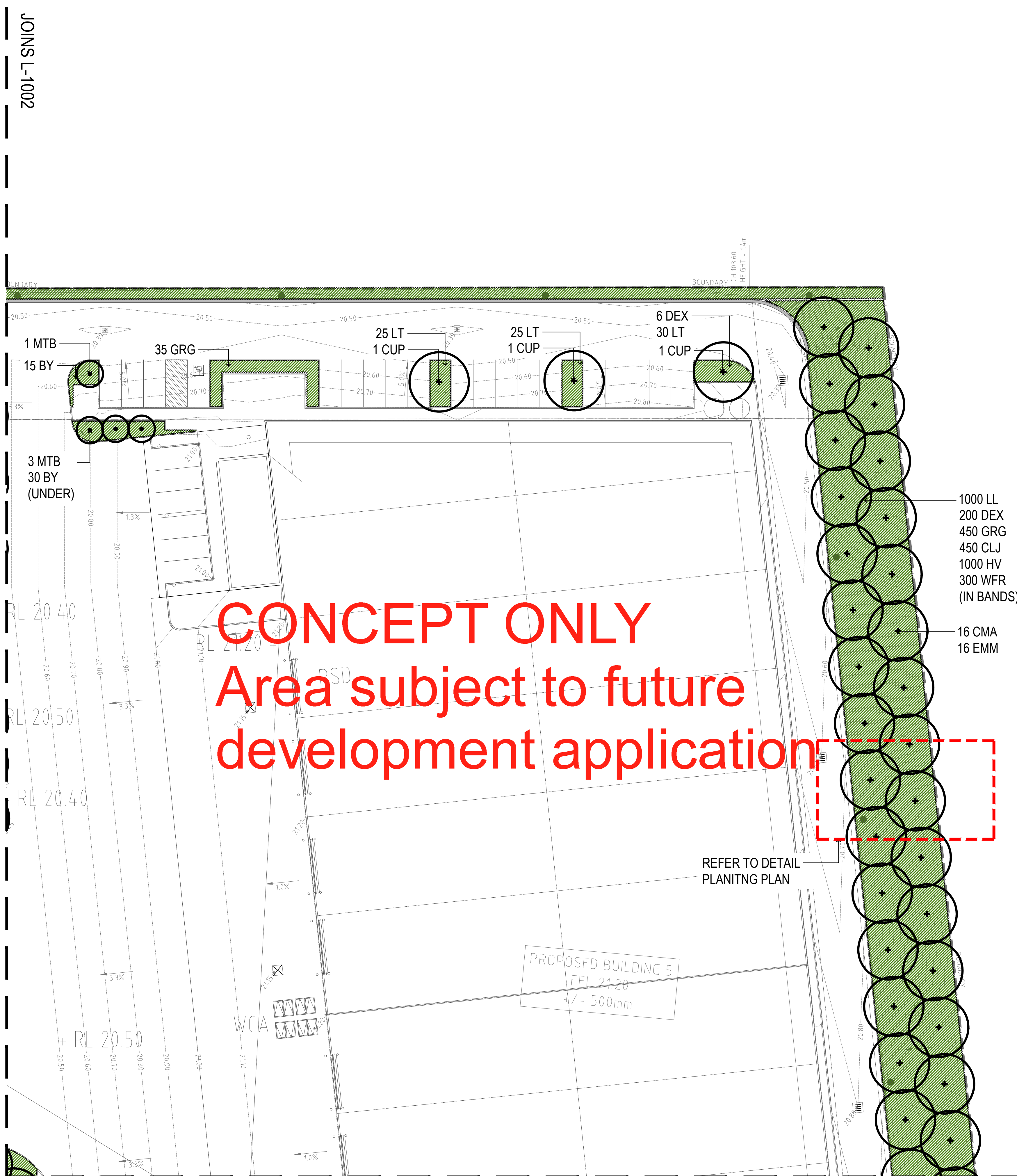
Unit 4

LOGOS

DRAWING TITLE
LANDSCAPE PLAN 02

PROJECT NO.	DRAWING NO.	REVISION
H819017	L-1002	A

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KEYPLAN

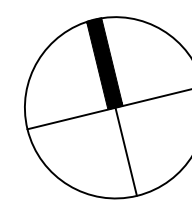


CLIENT



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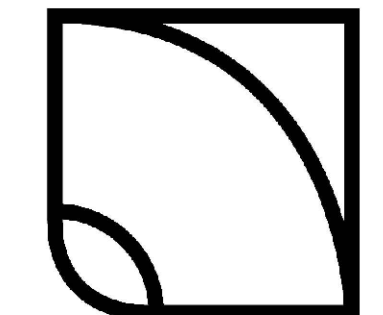
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LANDSCAPE PLAN 03



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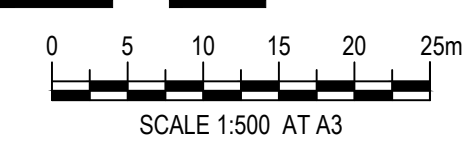
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JOINS L-1002

JOINS L-1006

MILLER RD



JOINS L-1001

JOINS L-1004

JOINS INSET

JOINS L-1005

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KEYPLAN



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PROJECT
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DEVELOPMENT
246 Miller Rd, Villawood, NSW

DRAWING TITLE
LANDSCAPE PLAN 04

SCALE
1:250 @ A1 / 1:500 @ A3

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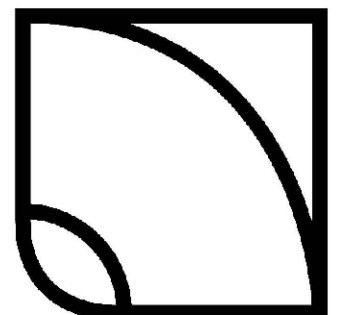
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DRAWING NO.
L-1004

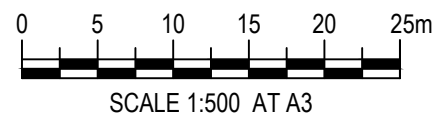
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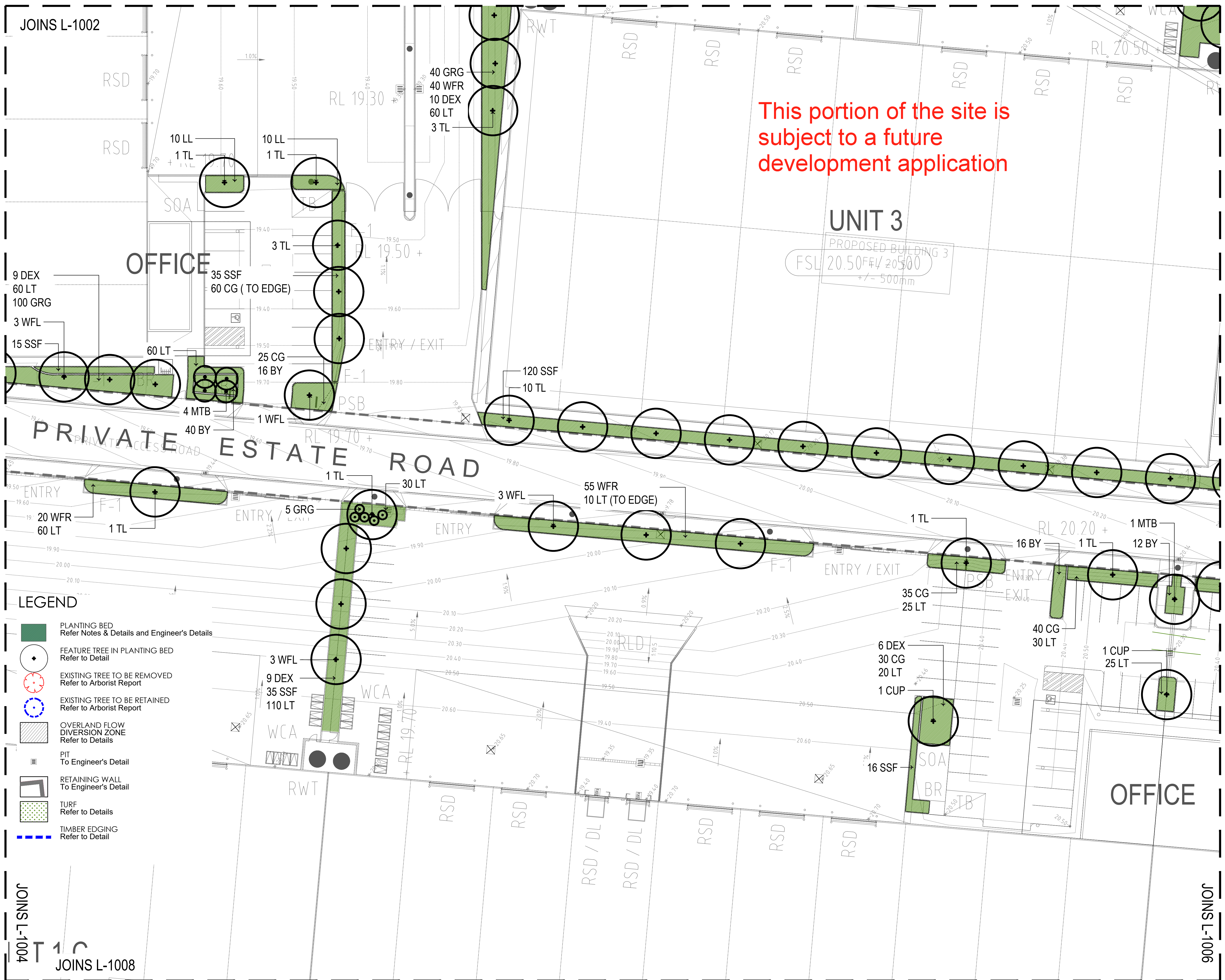
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Refer to Detail

ISSUE	DATE	PURPOSE
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PROJECT
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DRAWING TITLE
LANDSCAPE PLAN 05

SCALE
1:250 @ A1 / 1:500 @ A3

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H819017

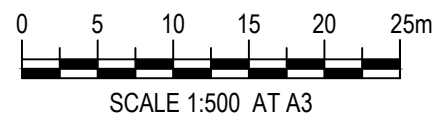
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L-1005

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Refer to Detail

KEYPLAN



CLIENT

LOGOS

PROJECT
PROPOSED WAREHOUSE
DEVELOPMENT
246 Miller Rd, Villawood, NSW

DRAWING TITLE
LANDSCAPE PLAN 06

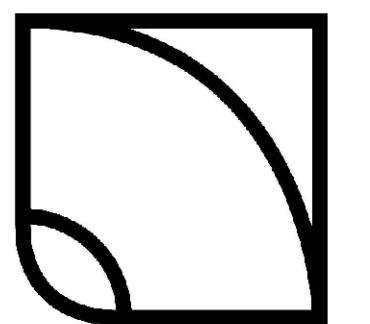
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PROJECT NO. H819017	DRAWING NO. L-1006	REVISION A
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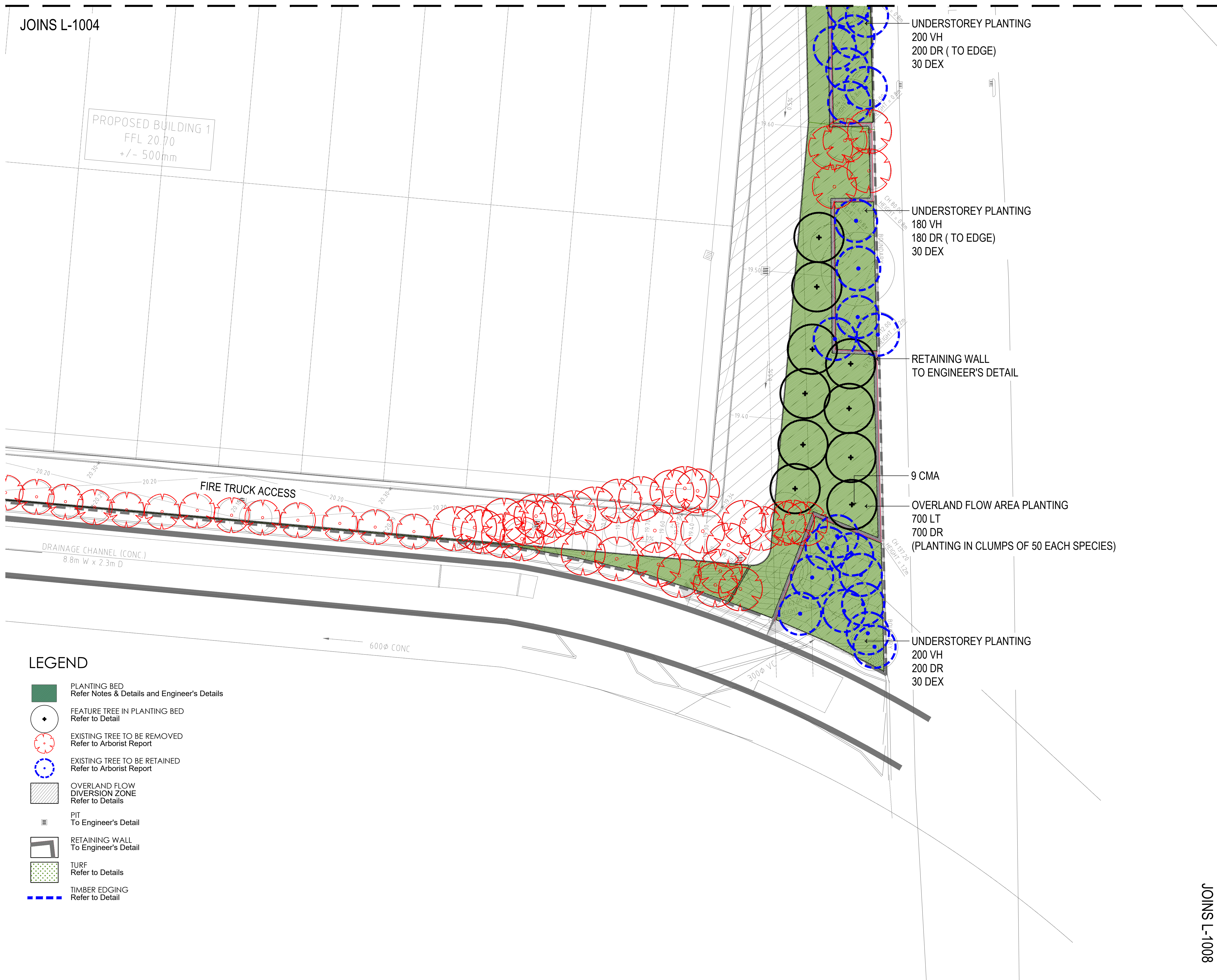
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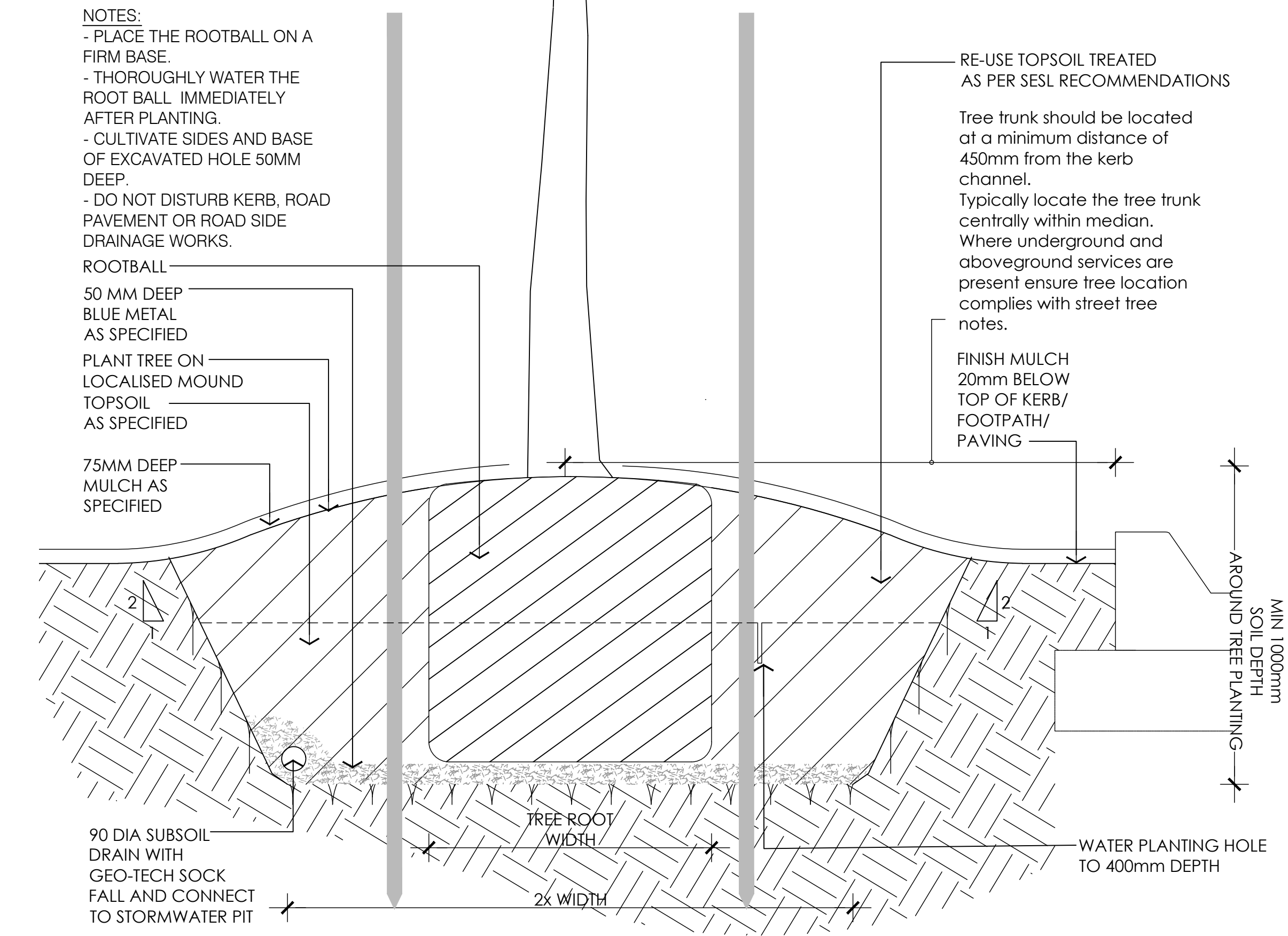


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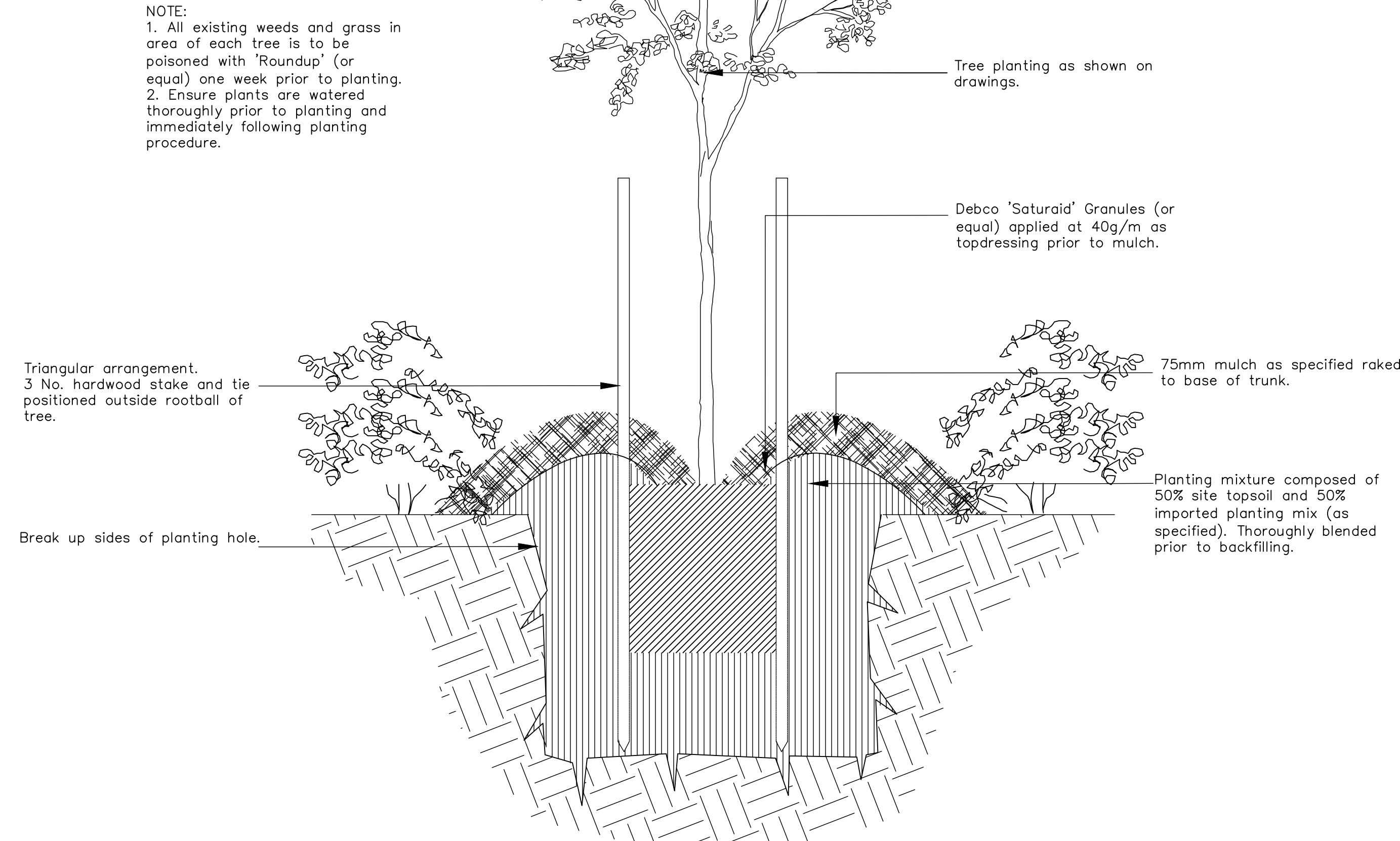
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0 5 10 15 20 25m
SCALE 1:500 AT A3

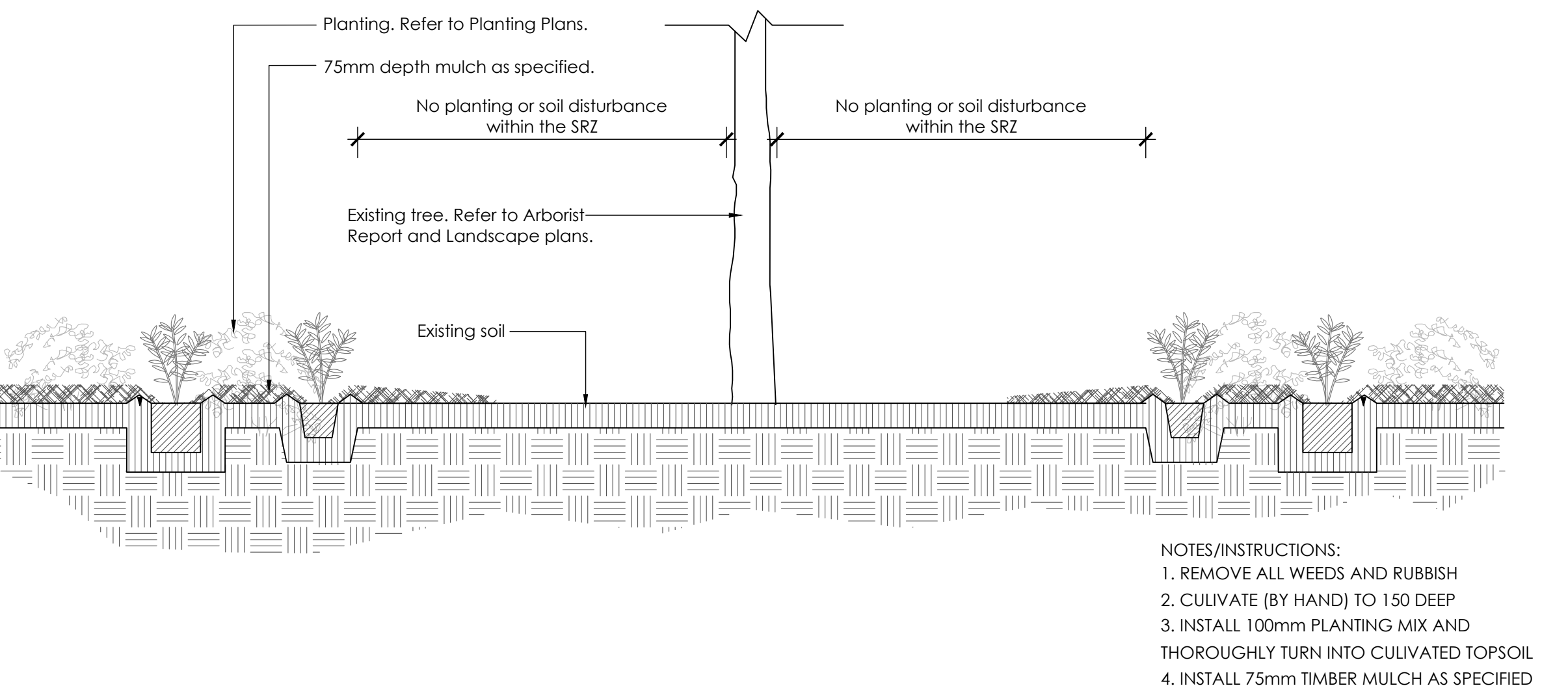




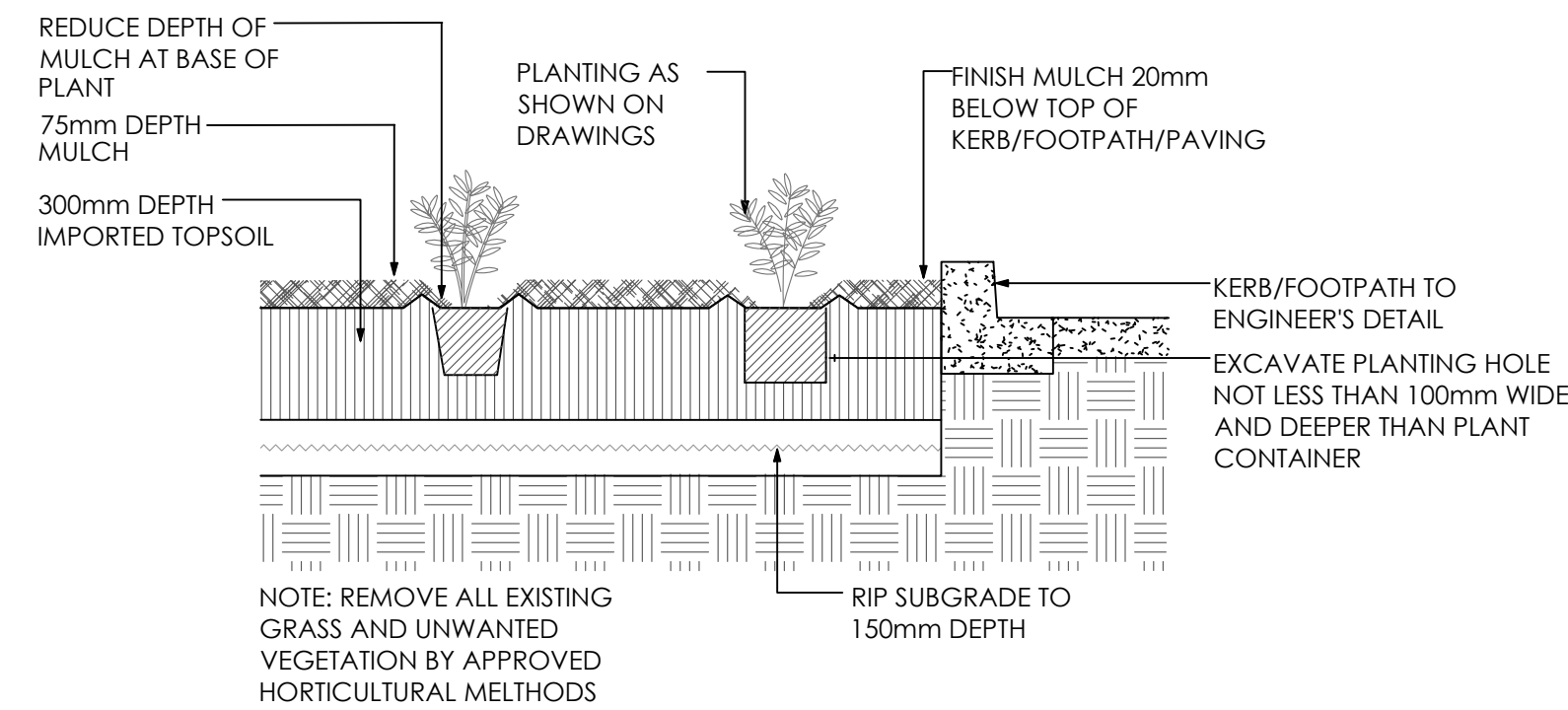
01 MATURE TREE DETAIL (OVER 100L)
1:10



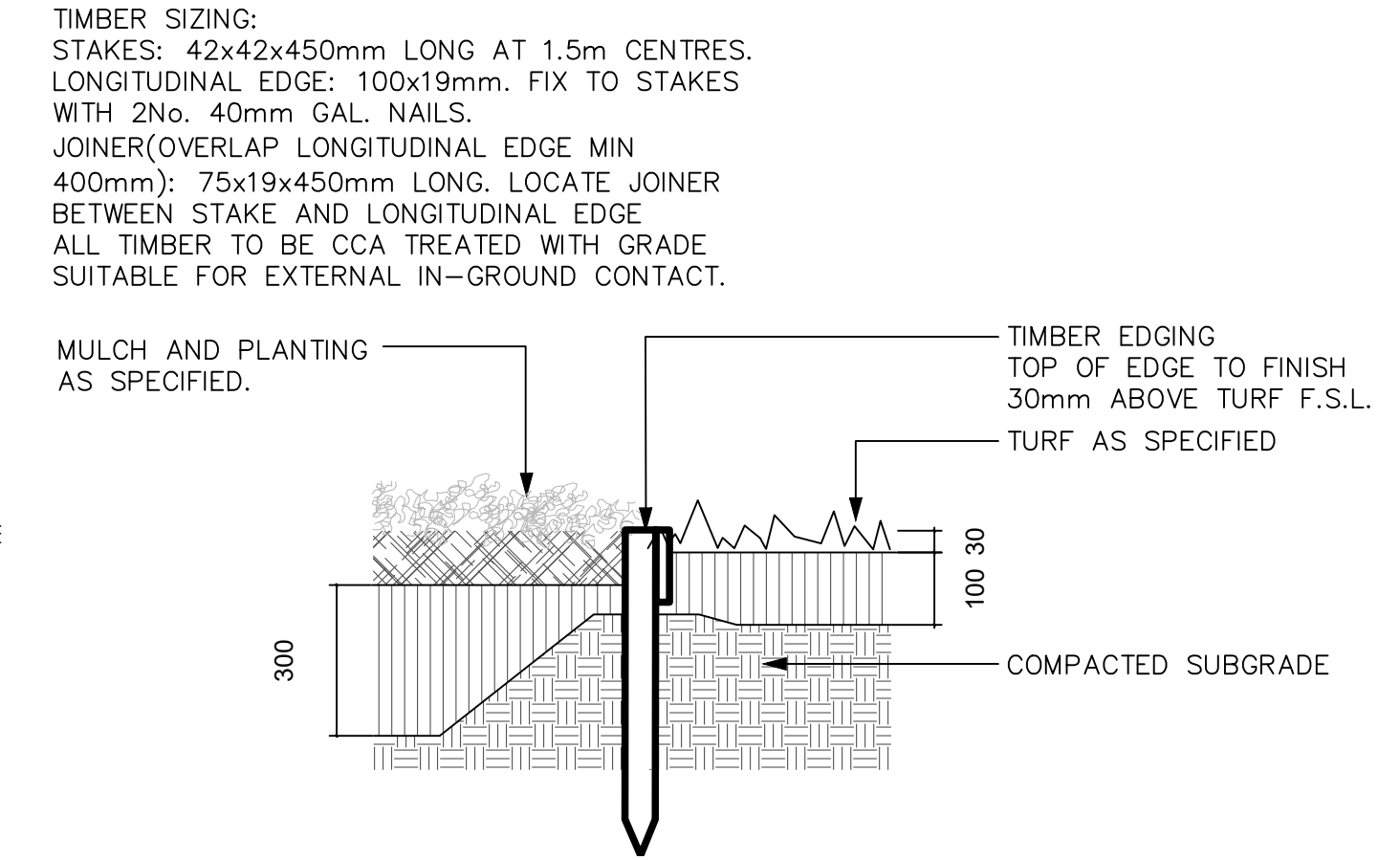
02 MATURE TREE DETAIL (75L)
1:10



03 MASS PLANTING UNDER EXISTING TREE
1:20



04 MASS PLANTING BED
1:20



05 TIMBER EDGING DETAIL
1:10



PROJECT

PROPOSED WAREHOUSE DEVELOPMENT

246 Miller Rd, Villawood, NSW

DRAWING TITLE

LANDSCAPE DETAILS

SCALE

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PROJECT NO.	DRAWING NO.	REVISION
H819017	L-2002	A

LANDSCAPE ARCHITECT:



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SPECIFICATION NOTES (TYPICAL)

SERVICES

Before landscape work is commenced the Landscape Contractor is to establish the position of all service lines and ensure tree planting is carried out at least 3 metres away from these services. Service lids, vents and hydrants shall be left exposed and not covered by any landscape finishes (turfing, paving, garden beds etc.) Finish adjoining surfaces flush with pit lids.

SOIL:
SITE TOPSOIL: Treated to SESL Specifications prior to re-use.

MULCH
APPLICATION: Place mulch to the required depth, (refer to drawings) clear of plant stems, and rake to an even surface finishing 25mm below adjoining levels. Ensure mulch is watered in and tamped down during installation.
MULCH TYPE:
Type 1 (Mass planting):Hort Bark by ANL
From mature trees, graded in size from 15mm to 30mm, free from wood slivers. Dark brown in colour and texture.

COMPOST
Shall be "GO Compost" as available from Soilco or approved equal.

PLANT MATERIAL
All plants supplied are to conform with those species listed in the Plant Schedule on the drawings. Generally plants shall be vigorous, well established, hardened off, of good form consistent with species or variety, not soft or forced, free from disease or insect pests with large healthy root systems and no evidence of having been restricted or damaged. Trees shall have a leading shoot. Immediately reject dried out, damaged or unhealthy plant material before planting. All stock is to be container grown for a minimum of six (6) months prior to delivery to site.

STAKING AND TYING
Stakes shall be straight hardwood, free from knots and twists, pointed at one end and sized according to size 200litre 3x(1800x50x50mm)
Ties shall be 50mm wide hessian webbing or approved equivalent nailed or stapled to stake. Drive stakes a minimum one third of their length, avoiding damage to the root system, on the windward side of the plant.

LANDSCAPE MAINTENANCE PROGRAM (TYPICAL)

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. This shall include, but shall not be limited to, watering, mowing, fertilising, re-seeding, returfing, weeding, pest and disease control, staking and tying, replanting, cultivation, pruning, aerating, renovating, top dressing, maintaining the site in a neat and tidy condition as follows:-

GENERAL
The landscape contractor shall maintain the landscape works for the term of the maintenance (or Plant establishment) period to the satisfaction of the council. The landscape contractor shall attend to the site on a weekly basis. The maintenance period shall commence at practical completion and continue for a period of fifty two (52) weeks.

WATERING
Grass, trees and garden areas shall be watered regularly so as to ensure continuous healthy growth.

RUBBISH REMOVAL
During the term of the maintenance period the landscape contractor shall remove rubbish that may occur and reoccur throughout the maintenance period. This work shall be carried out regularly so that at weekly intervals the area may be observed in a completely clean and tidy condition.

REPLACEMENTS
The landscape contractor shall replace all plants that are missing, unhealthy or dead at the Landscape Contractor's cost. Replacements shall be of the same size, quality and species as the plant that has failed unless otherwise directed by the Landscape Architect. Replacements shall be made on a continuing basis not exceeding two (2) weeks after the plant has died or is seen to be missing.

STAKES AND TIES
The landscape contractor shall replace or adjust plant stakes, and tree guards as necessary or as directed by the Landscape Architect. Remove stakes and ties at the end of the maintenance period if so directed.

PRUNING
General: Prune to reflect the natural growth flowering and regrowth habit of the individual species. Shrubs: Prune after flowering - Spring and Summer and on a spot basis as required.
Hedge trimming: Schedule trimming at times which will maintain the character and design of hedges. Allow up to three times per season.
Tip pruning: To encourage development of new shoots during the active growing season. Do not remove buds before the flowering season in those plants that have terminal flowers.
Radical pruning: To maintain a hedge or formal shape or when a particular problem, growth habit, damage, or disease requires branch removal.
Trees: Prune to eliminate diseased or damaged growth, avoid inter-branch contact and thin out crowns in a natural manner, maintain sight lines to signs and lights, or maintain visibility for personal security. Tree branch removal to AS 4373. Give notice and engage a suitably qualified 'arborist'.

MULCHED SURFACES
All mulched surfaces shall be maintained in a clean and tidy condition and be reinstated if necessary to ensure that a depth of 75mm is maintained. Ensure mulch is kept clear of plant stems at all times. Remove all mulching materials off lawn or paved areas and maintain a clean and tidy appearance when viewed on a weekly basis.

PEST AND DISEASE CONTROL
The landscape contractor shall spray against insect and fungus infestation with all spraying to be carried out in accordance with the manufacturer's directions. Report all instances of pests and diseases (immediately that they are detected) to the Landscape Architect.

WEED ERADICATION
Eradicate weeds by environmentally acceptable methods using a non-residual glyphosate herbicide (eg. 'Roundup') in any of its registered formulae, at the recommended maximum rate. Regularly remove by hand, weed growth that may occur or recur throughout grassed, planted and mulched areas. Remove weed growth from an area 750mm diameter around the base of trees in grassed areas. Continue eradication throughout the course of the works and during the maintenance period.

SOIL SUBSIDENCE
Any soil subsidence or erosion which may occur after the soil filling and preparation operations shall be made good by the landscape contractor at no cost to the client.

MAINTENANCE PERIOD (GENERAL)
The maintenance will be implemented for 12 months (52 weeks)

IRRIGATION NOTES

IRRIGATION OVERVIEW - Confirm with irrigation contractor at tender stage

EXTENT
All mass planting landscape areas and trees are to have full coverage by a fully automatic irrigation system. The design, materials and installation are to be in accordance with Sydney Water Codes and all relevant Australian Standards.

- 1. An automatic irrigation system is to be installed to all turf and garden bed areas.
- 2. The irrigation system shall be designed and installed by a licensed contractor to relevant Australian standards and Sydney water guidelines.
- 3. The irrigation system shall be connected into the rainwater tank system and pump

DRIPLINE
Provide 13mm dripline to all garden bed areas with appropriate 13mm joiners. Dripline to be Toro drip or similar with 400mm centre drippers. Install line at 500mm spacings with the first line to be 150mm in from edge. Install dripline after planting and prior to mulching to allow for an adequate mulch cover. Anchor at 1.5m maximum intervals with u-shaped stakes. Dripline pattern to suit planting.

CONTROL VALVES
24v solenoid actuated hydraulic valve with flow control. Control valves to be Toro ezflow series solenoids 25mm or approved equal. Provide a gate valve of the same size immediately upstream of each valve. House both valves in a high impact plastic valve box with a high impact plastic cover at finished ground level. Support the box with bricks on each side. Controller to be Toro greenkeeper or approved equal with a rain switch. Install a master valve/pressure regulating valve equal to Toro p220 with exreg pressure regulation valve. Filter to be installed equal to Toro y filter 75mm screen filter.

CONTROL WIRES
Connect the control valves and soil moisture sensor to the controller with double insulated underground cables laid alongside piping where possible. Lay intertwined for their full length without joints except at the valves and branches off common wires. Provide waterproof connectors.

Provide a backflow prevention device to Sydney water standards AS 3500.

ISSUE A	DATE 21.02.2020	PURPOSE CLIENT APPROVAL
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CLIENT



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246 Miller Rd, Villawood, NSW

DRAWING TITLE

SPECIFICATION AND
MAINTENANCE NOTES

SCALE
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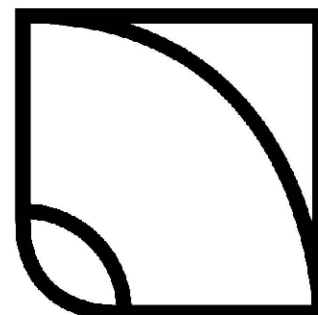
REVISION

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