

# Inyadda Drive, Manyana NSW 2539

## Landscape Subdivision Streetscape Development Application

### Drawing Schedule

Drawing Number	Drawing Title	Scale
L-000	Coversheet & Plant Schedule	N/A
L-100	Landscape Site Plan	1:1500
L-101	Landscape Plan 1 of 5	1:500
L-102	Landscape Plan 2 of 5	1:500
L-103	Landscape Plan 3 of 5	1:500
L-104	Landscape Plan 4 of 5	1:500
L-105	Landscape Plan 5 of 5	1:500
L-106	Landscape Bio Basin Plan	1:150
L-107	Community Park	1:100
L-207	Planting Plan - Community Park	1:100
L-500	Landscape Specification Notes & Typical Street Tree Sections	1:10 & 1:20
L-501	Landscape Details	1:10
L-502	Landscape Typical Sections	1::10

SITE AERIAL - NTS



----- SITE BOUNDARY

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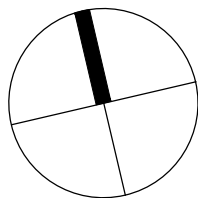
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C	Response to Council RFI	NP	RS	22.04.2022
B	For Approval	NP	RS	14.03.2022
A	Preliminary	NP	RS	02.03.2022
Issue	Revision Description	Drawn	Check	Date

### Legend

### Key Plan



Client

Heir Asquith

Project

Inyadda Drive,  
Manyana NSW 2539

Level 1, 3-5 Baptist Street  
Redfern NSW 2016  
Australia

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S I T E I M A G E



Landscape Architects

### DEVELOPMENT APPLICATION

Drawing Name

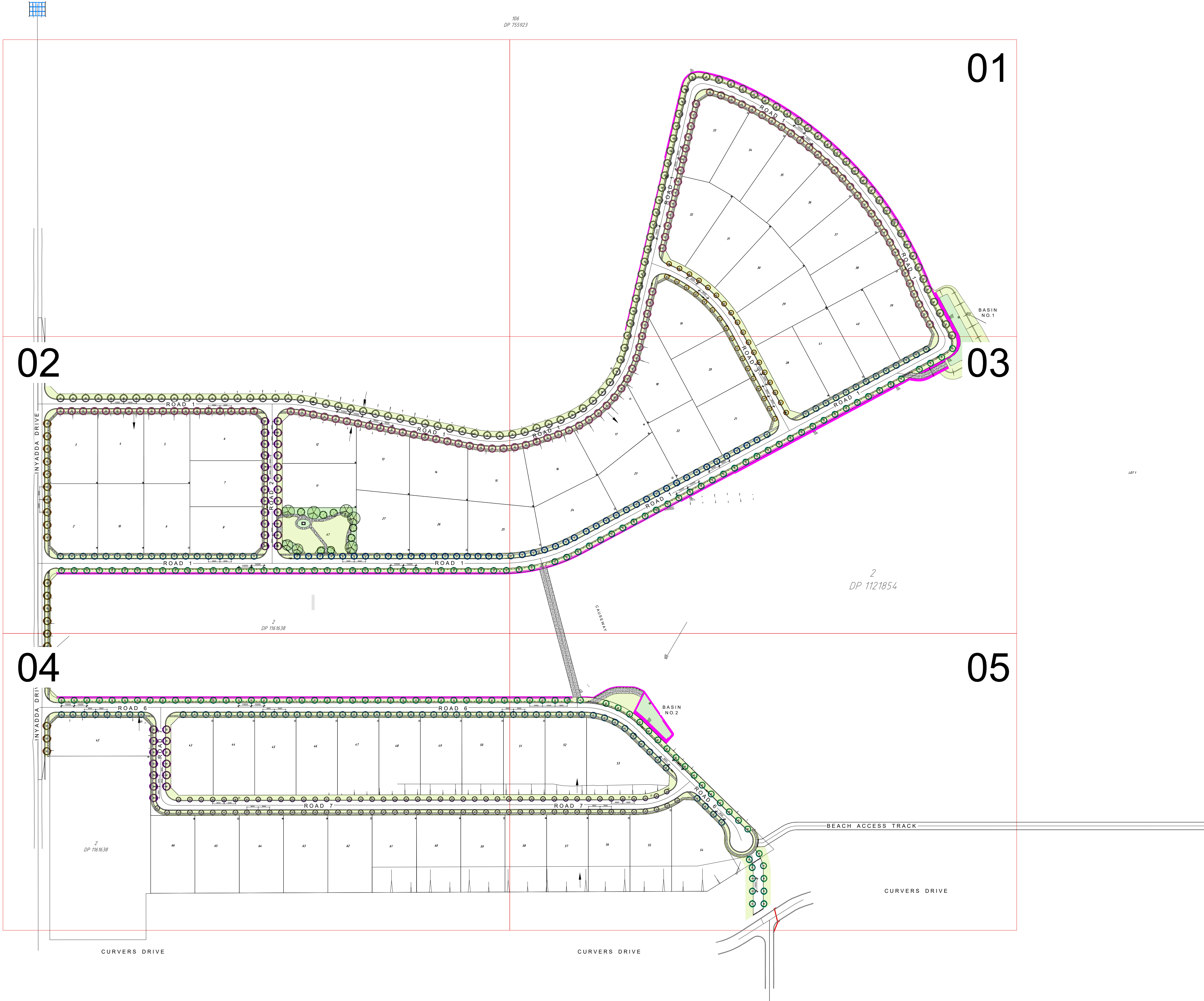
Cover Sheet

Scale	Drawing Number	Issue
Job Number		

SS22-4882

L-000 D





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Issue	Revision Description	Drawn	Check	Date

- Legend
- Backhousia myrtifolia**  
Grey Myrtle - 8.0 x 4.0  
(Refer Planting Schedule)
  - Cupaniopsis anacardioides**  
Tuckeroo - 6.0 x 10.0  
(Refer Planting Schedule)
  - Hibiscus tiliaceus 'Rubra'**  
Red Cottonwood - 7.0 x 5.0  
(Refer Planting Schedule)
  - Lagerstroemia indica 'Natchez'**  
White Crape Myrtle - 8.0 x 6.0  
(Refer Planting Schedule)
  - Melaleuca linariifolia**  
Snow In Summer - 8.0 x 6.0  
(Refer Planting Schedule)
  - Tristaniopsis laurina**  
Watergum - 15.0 x 6.0  
(Refer Planting Schedule)
  - Waterhousia floribunda**  
Weeping Lilly Pilly - 10.0 x 6.0  
(Refer Planting Schedule)
  - Pyrus calleryana 'Chanticleer'**  
Ornamental Pear - 10.0 x 6.0  
(Refer Planting Schedule)
  - Concrete Footpath**  
(Refer Civil Details)
  - Turf Verge**  
(Refer Detail & Specification)
  - Bio Basin**  
Planting Matrix Type 1  
(Refer Planting Schedule)
  - Bio Basin**  
Planting Matrix Type 2  
(Refer Planting Schedule)

Key Plan

Client  
Heir Asquith

Project  
Inyadda Drive,  
Manyana NSW 2539

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DEVELOPMENT APPLICATION

Drawing Name  
Site Plan

Scale 1:1500 @ A1  
Job Number  
Drawing Number  
Issue

SS22-4882  
L-100 D



Inyadda Drive Subdivision							SI No: SS22-4882
Abbrev.	Botanic Name	Common Name	Mature Size H x W	Pot Size	Density	Qty	
PLANTING SCHEDULE - DWG 101							
STREET TREES							
Ca	Cupaniopsis anacardioides	Tuckeroo	6.0 x 10.0	100L	As Shown	18	
MI	Melaleuca linariifolia	Snow In Summer	8.0 x 6.0	100L	As Shown	52	
Pc	Pyrus calleryana 'Chanticleer'	Ornamental Pear	11.0 x 6.0	100L	As Shown	49	



CONTINUES ON DWG L-103  
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NP	RS	14.03.2022
NP	RS	02.03.2022
Drawn	Check	Date

#### Legend

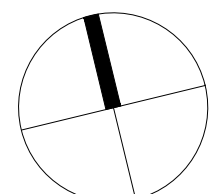
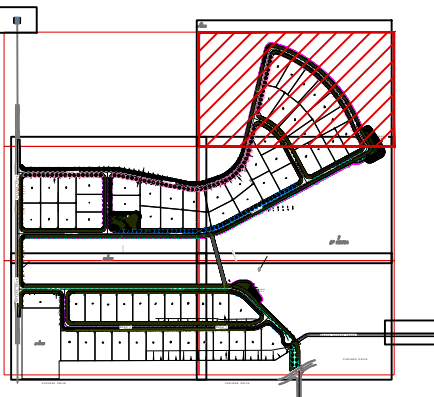
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(Refer Planting Schedule)
- Cupaniopsis anacardioides**  
Tuckeroo - 6.0 x 10.0  
(Refer Planting Schedule)
- Hibiscus bilaceus 'Rubra'**  
Red Cottonwood - 7.0 x 5.0  
(Refer Planting Schedule)
- Lagerstroemia indica 'Natchez'**  
White Crepe Myrtle - 8.0 x 6.0  
(Refer Planting Schedule)

- Melaleuca linariifolia**  
Snow In Summer - 8.0 x 6.0  
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- Pyrus calleryana 'Chanticleer'**  
Ornamental Pear - 10.0 x 6.0  
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- Tristaniopsis laurina**  
Wategum - 15.0 x 6.0  
(Refer Planting Schedule)
- Waterhousea floribunda**  
Weeping Lily Pilly - 10.0 x 6.0  
(Refer Planting Schedule)

- Concrete Footpath**  
(Refer Civil Details)
- Turf Verge**  
(Refer Detail & Specification)
- Bio Basin Planting Matrix Type 1**  
(Refer Planting Schedule)
- Bio Basin Planting Matrix Type 2**  
(Refer Planting Schedule)

- Rockwall Retaining Wall**  
(Refer Civil Details)
- Goodsell Graves**  
(Indicative Location)
- Local Park Seat**
- Hose Tap**  
(Subject to Council Approval)

#### Key Plan



#### SITE IMAGE



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Client  
**Heir Asquith**

Project  
**Inyadda Drive,  
Manyana NSW 2539**

Drawing Name  
**Landscape Plan 1 of 5**

**DEVELOPMENT APPLICATION**

Scale 1:500 @ A1

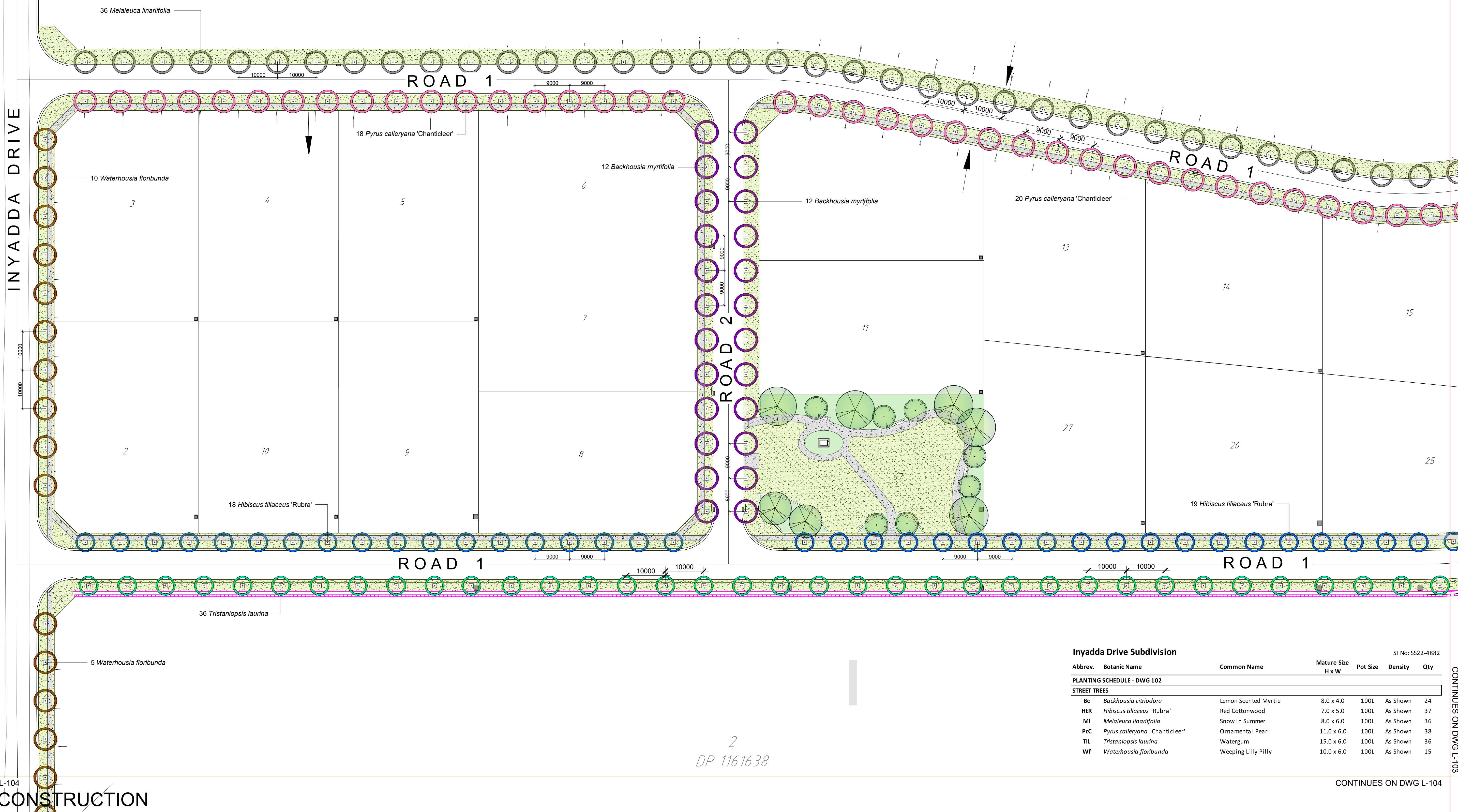
Job Number

**SS22-4882**

0 2 5 10 15 25m  
Drawing Number

L-101 D





CONTINUES ON DWG L-104

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CONTINUES ON DWG L-103

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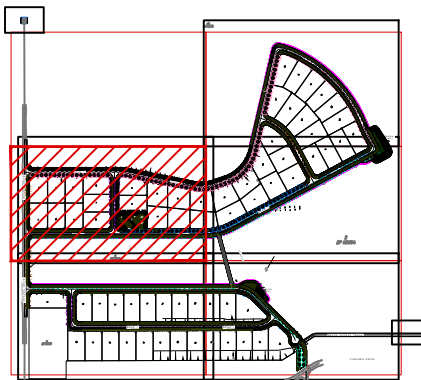
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## Legend

	<i>Backhousia myrtifolia</i> Grey Myrtle - 8.0 x 4.0 (Refer Planting Schedule)		<i>Melaleuca linariifolia</i> Snow In Summer - 8.0 x 6.0 (Refer Planting Schedule)		Concrete Footpath (Refer Civil Details)		Rockwall Retaining Wall (Refer Civil Details)
	<i>Cupaniopsis anacardioides</i> Tuckeroo - 6.0 x 10.0 (Refer Planting Schedule)		<i>Pyrus calleryana</i> 'Chanticleer' Ornamental Pear - 10.0 x 6.0 (Refer Planting Schedule)		Turf Verge (Refer Detail & Specification)		Goodsell Graves (Indicative Location)
	<i>Hibiscus tiliaceus</i> 'Rubra' Red Cottonwood - 7.0 x 5.0 (Refer Planting Schedule)		<i>Tristaniopsis laurina</i> Watergum - 15.0 x 6.0 (Refer Planting Schedule)		Bio Basin Planting Matrix Type 1 (Refer Planting Schedule)		Local Park Seat
	<i>Lagerstroemia indica</i> 'Natchez'		<i>Waterhousea floribunda</i> Weeping Lilly Pilly - 10.0 x 6.0 (Refer Planting Schedule)		Bio Basin Planting Matrix Type 2 (Refer Planting Schedule)		Hose Tap (Subject to Council Approval)

## Key Plan



## SITE IMAGE



Client

Heir Asquith

Project

Inyadda Drive,  
Manyana NSW 2539

Drawing Name

Landscape Plan 2 of 5

DEVELOPMENT APPLICATION

Scale 1:500 @ A1

Job Number Drawing Number 15 25m Issue

SS22-4882

L-102 D



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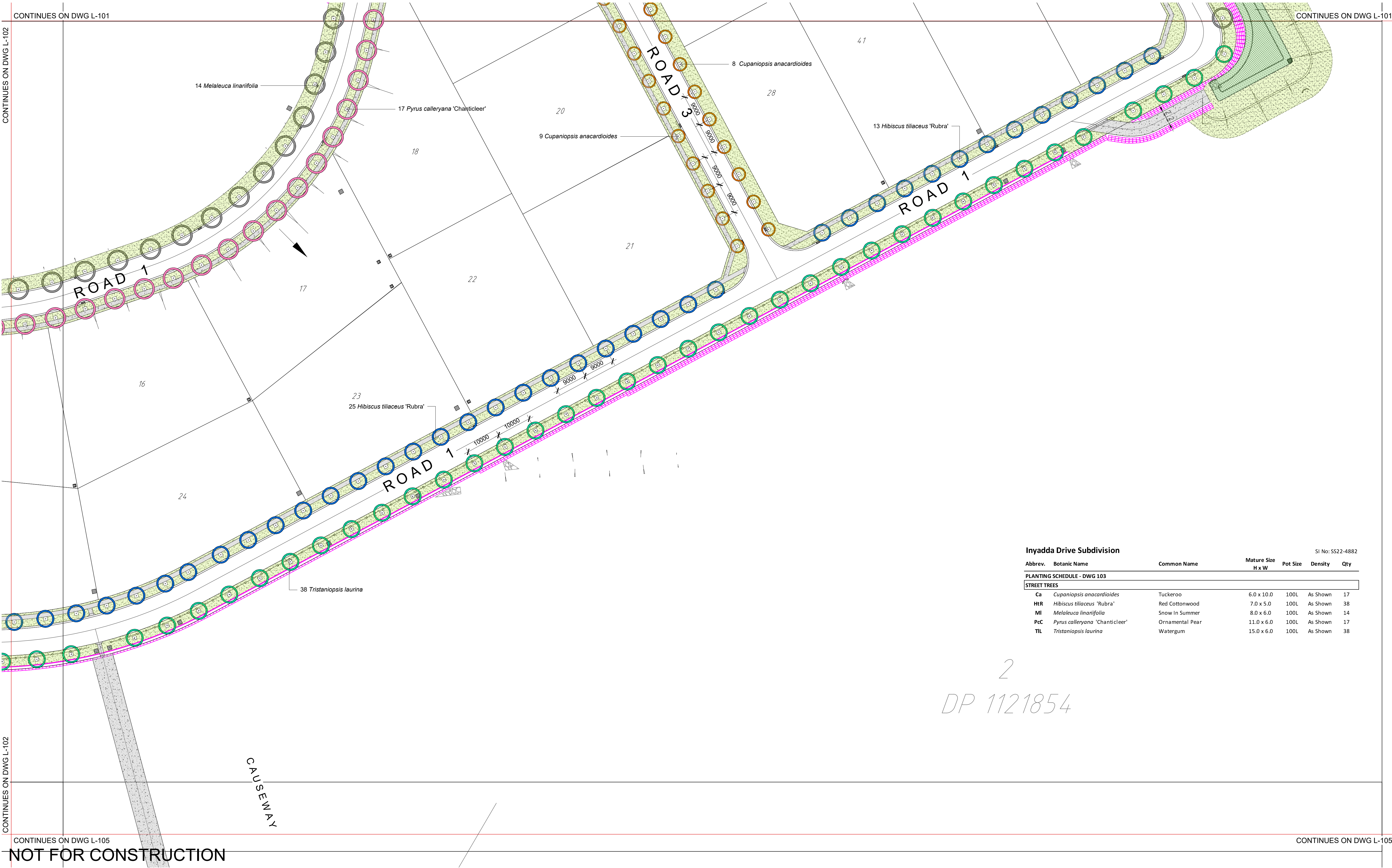
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CONTINUES ON DWG L-102

CONTINUES ON DWG L-105

CONTINUES ON DWG L-101

CONTINUES ON DWG L-105



Inyadda Drive Subdivision							SI No: SS22-4882
Abbrev.	Botanic Name	Common Name	Mature Size H x W	Pot Size	Density	Qty	
PLANTING SCHEDULE - DWG 103							
STREET TREES							
Ca	Cupaniopsis anacardioides	Tuckeroo	6.0 x 10.0	100L	As Shown	17	
HtR	Hibiscus tiliaceus 'Rubra'	Red Cottonwood	7.0 x 5.0	100L	As Shown	38	
MI	Melaleuca linariifolia	Snow in Summer	8.0 x 6.0	100L	As Shown	14	
PcC	Pyrus calleryana 'Chanticleer'	Ornamental Pear	11.0 x 6.0	100L	As Shown	17	
TIL	Tristaniopsis laurina	Watergum	15.0 x 6.0	100L	As Shown	38	

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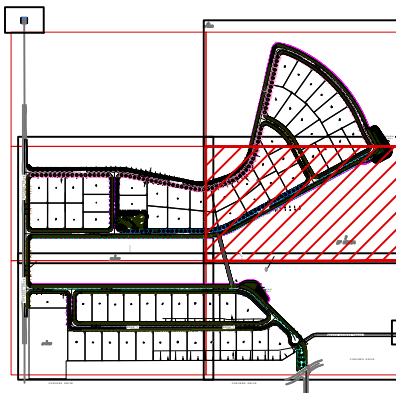
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Grey Myrtle - 8.0 x 4.0  
(Refer Planting Schedule)
- Cupaniopsis anacardioides**  
Tuckeroo - 6.0 x 10.0  
(Refer Planting Schedule)
- Hibiscus tiliaceus 'Rubra'**  
Red Cottonwood - 7.0 x 5.0  
(Refer Planting Schedule)
- Lagerstroemia indica 'Natchez'**  
White Crepe Myrtle - 8.0 x 6.0  
(Refer Planting Schedule)

- Melaleuca linariifolia**  
Snow in Summer - 8.0 x 6.0  
(Refer Planting Schedule)
- Pyrus calleryana 'Chanticleer'**  
Ornamental Pear - 10.0 x 6.0  
(Refer Planting Schedule)
- Tristaniopsis laurina**  
Watergum - 15.0 x 6.0  
(Refer Planting Schedule)
- Waterhousea floribunda**  
Weeping Lily Pilly - 10.0 x 6.0  
(Refer Planting Schedule)

- Concrete Footpath**  
(Refer Civil Details)
- Turf Verge**  
(Refer Detail & Specification)
- Bio Basin Planting Matrix Type 1**  
(Refer Planting Schedule)
- Bio Basin Planting Matrix Type 2**  
(Refer Planting Schedule)

- Rockwall Retaining Wall**  
(Refer Civil Details)
- Goodsell Graves**  
(Indicative Location)
- Local Park Seat**
- Hose Tap**  
(Subject to Council Approval)

#### Key Plan



#### SITE IMAGE



Client  
**Heir Asquith**

Project  
**Inyadda Drive,  
Manyana NSW 2539**

Drawing Name  
**Landscape Plan 3 of 5**

#### DEVELOPMENT APPLICATION

Scale 1:500 @ A1  
Job Number  
**SS22-4882**

Drawing Number  
**L-103**

Issue  
**D**



Inyadda Drive Subdivision

SI No: SS22-4882

Abbrev.	Botanic Name	Common Name	Mature Size H x W	Pot Size	Density	Qty
PLANTING SCHEDULE - DWG 104						
STREET TREES						
Bc	<i>Backhousia citriodora</i>	Lemon Scented Myrtle	8.0 x 4.0	100L	As Shown	13
HTR	<i>Hibiscus tiliaceus</i> 'Rubra'	Red Cottonwood	7.0 x 5.0	100L	As Shown	37
LIN	<i>Lagerstroemia indica</i> 'Natchez'	White Crepe Myrtle	8.0 x 6.0	100L	As Shown	61
TIL	<i>Tristaniaopsis laurina</i>	Watergum	15.0 x 6.0	100L	As Shown	36
Wf	<i>Waterhousia floribunda</i>	Weeping Lilly Pilly	10.0 x 6.0	100L	As Shown	7

INYADDA DRIVE

4 *Waterhousia floribunda*

36 *Tristaniaopsis laurina*

ROAD 6

8 *Hibiscus tiliaceus* 'Rubra'

3 *Waterhousia floribunda*

7 *Backhousia myrtifolia*

ROAD 7

6 *Backhousia myrtifolia*

29 *Hibiscus tiliaceus* 'Rubra'

30 *Lagerstroemia indica* 'Natchez'

ROAD 7

31 *Lagerstroemia indica* 'Natchez'

2  
DP 1161638

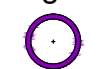



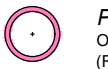


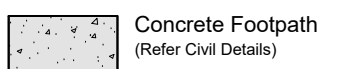
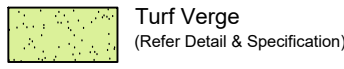
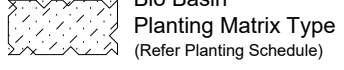
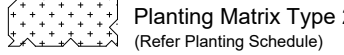
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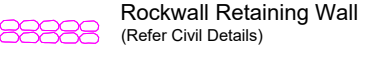
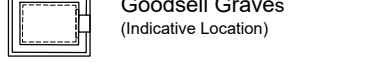
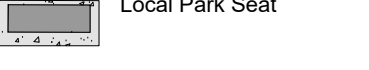
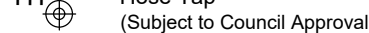
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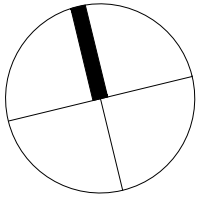
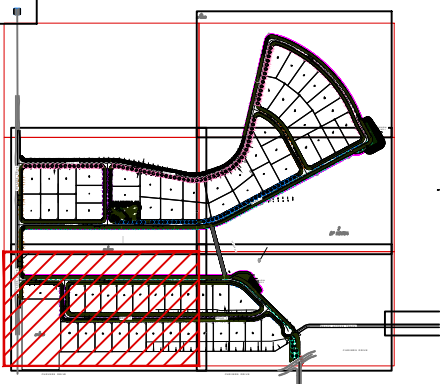
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Legend

- *Backhousia myrtifolia*  
Grey Myrtle - 8.0 x 4.0  
(Refer Planting Schedule)
- *Cupaniopsis anacardioides*  
Tuckeroo - 6.0 x 10.0  
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- Local Park Seat
- Hose Tap  
(Subject to Council Approval)

Key Plan



SITE IMAGE



Client

Heir Asquith

Project

Inyadda Drive,  
Manyana NSW 2539

Drawing Name

Landscape Plan 4 of 5

DEVELOPMENT APPLICATION

Scale 1:500 @ A1

Job Number Drawing Number Issue

SS22-4882

L-104 D





Inyadda Drive Subdivision				SI No: SS22-4882		
Abbrev.	Botanic Name	Common Name	Mature Size H x W	Pot Size	Density	Qty
PLANTING SCHEDULE - DWG 105						
STREET TREES						
HtR	<i>Hibiscus tiliaceus</i> 'Rubra'	Red Cottonwood	7.0 x 5.0	100L	As Shown	20
LiN	<i>Lagerstroemia indica</i> 'Natchez'	White Crepe Myrtle	8.0 x 6.0	100L	As Shown	29
TiL	<i>Tristaniopsis laurina</i>	Watergum	15.0 x 6.0	100L	As Shown	32

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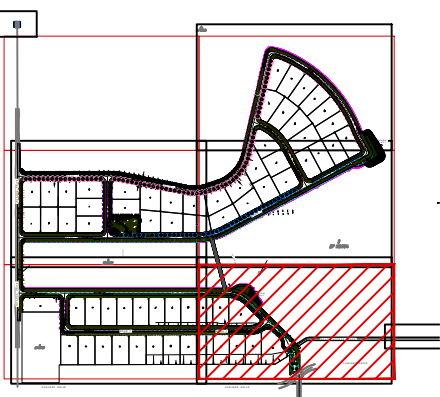
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(Refer Planting Schedule)
- Cupaniopsis anacardioides*  
Tuckeroo - 6.0 x 10.0  
(Refer Planting Schedule)
- Hibiscus tiliaceus* 'Rubra'  
Red Cottonwood - 7.0 x 5.0  
(Refer Planting Schedule)
- Lagerstroemia indica* 'Natchez'  
White Crepe Myrtle - 8.0 x 6.0  
(Refer Planting Schedule)
- Metaleuca linarifolia*  
Snow In Summer - 8.0 x 6.0  
(Refer Planting Schedule)
- Pyrus calleryana* 'Chanticleer'  
Ornamental Pear - 10.0 x 6.0  
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- Tristaniopsis laurina*  
Watergum - 15.0 x 6.0  
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Planting Matrix Type 1  
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- Rockwall Retaining Wall  
(Refer Civil Details)
- Goodsell Graves  
(Indicative Location)
- Local Park Seat
- Hose Tap  
(Subject to Council Approval)

Key Plan



SITE IMAGE



Client  
**Heir Asquith**

Project  
**Inyadda Drive,  
Manyana NSW 2539**

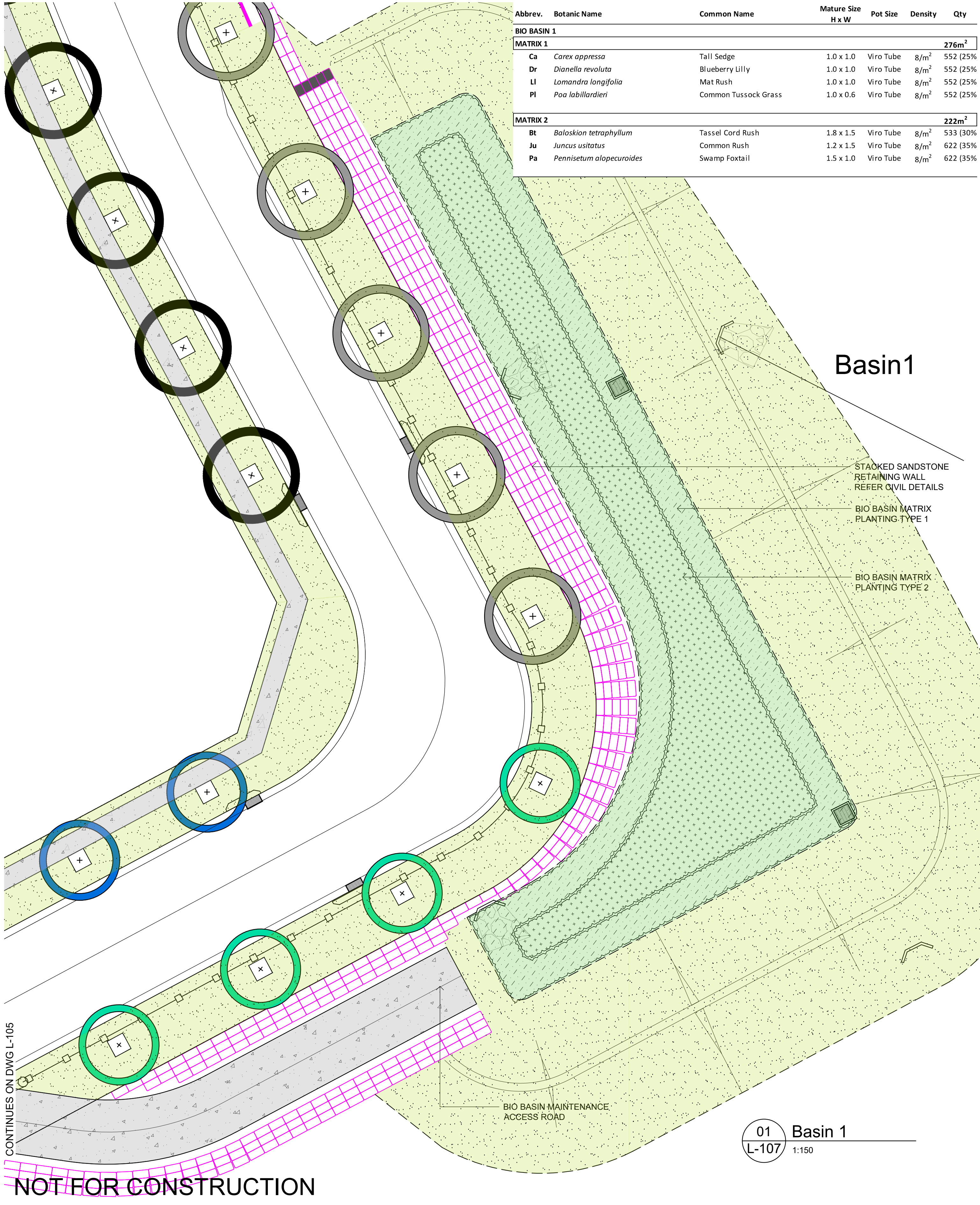
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**Landscape Plan 5 of 5**

DEVELOPMENT APPLICATION

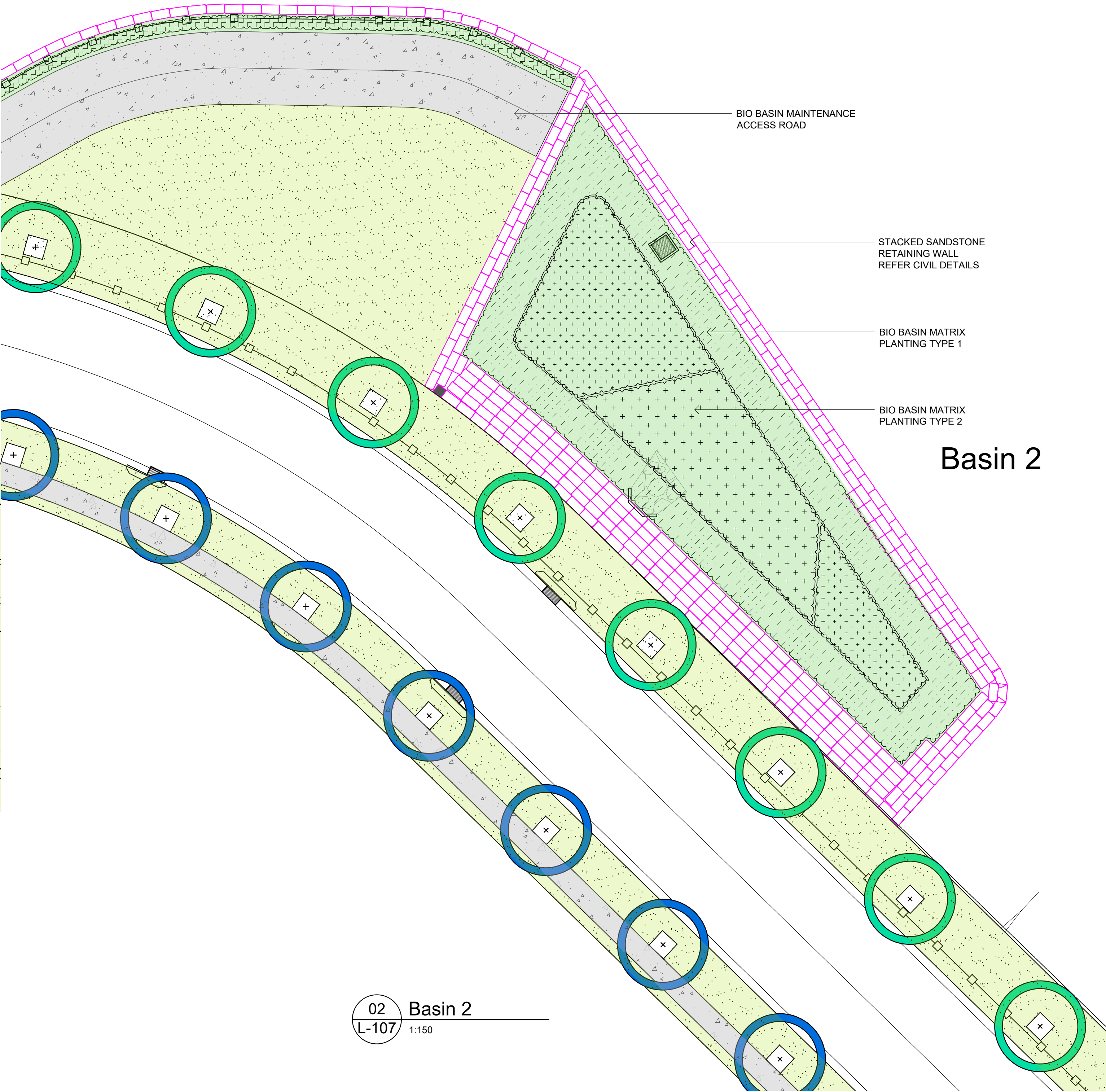
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Job Number  
**SS22-4882**

0 2 5 10 15 25m  
Drawing Number  
**L-105** Issue  
**D**





Abbrev.	Botanic Name	Common Name	Mature Size H x W	Pot Size	Density	Qty
<b>BIO BASIN 1</b>						
<b>MATRIX 1</b>						<b>276m<sup>2</sup></b>
Ca	<i>Carex appressa</i>	Tall Sedge	1.0 x 1.0	Viro Tube	8/m <sup>2</sup>	552 (25%)
Dr	<i>Dianella revoluta</i>	Blueberry Lilly	1.0 x 1.0	Viro Tube	8/m <sup>2</sup>	552 (25%)
LI	<i>Lomandra longifolia</i>	Mat Rush	1.0 x 1.0	Viro Tube	8/m <sup>2</sup>	552 (25%)
PI	<i>Poa labillardieri</i>	Common Tussock Grass	1.0 x 0.6	Viro Tube	8/m <sup>2</sup>	552 (25%)
<b>MATRIX 2</b>						<b>222m<sup>2</sup></b>
Bt	<i>Balaskion tetraphyllum</i>	Tassel Cord Rush	1.8 x 1.5	Viro Tube	8/m <sup>2</sup>	533 (30%)
Ju	<i>Juncus usitatus</i>	Common Rush	1.2 x 1.5	Viro Tube	8/m <sup>2</sup>	622 (35%)
Pa	<i>Pennisetum alopecuroides</i>	Swamp Foxtail	1.5 x 1.0	Viro Tube	8/m <sup>2</sup>	622 (35%)



Abbrev.	Botanic Name	Common Name	Mature Size H x W	Pot Size	Density	Qty
<b>BIO BASIN 2</b>						
<b>MATRIX 1</b>						<b>181m<sup>2</sup></b>
Ca	<i>Carex appressa</i>	Tall Sedge	1.0 x 1.0	Viro Tube	8/m <sup>2</sup>	362 (25%)
Dr	<i>Dianella revoluta</i>	Blueberry Lilly	1.0 x 1.0	Viro Tube	8/m <sup>2</sup>	362 (25%)
LI	<i>Lomandra longifolia</i>	Mat Rush	1.0 x 1.0	Viro Tube	8/m <sup>2</sup>	362 (25%)
PI	<i>Poa labillardieri</i>	Common Tussock Grass	1.0 x 0.6	Viro Tube	8/m <sup>2</sup>	362 (25%)
<b>MATRIX 2</b>						<b>175m<sup>2</sup></b>
Bt	<i>Balaskion tetraphyllum</i>	Tassel Cord Rush	1.8 x 1.5	Viro Tube	8/m <sup>2</sup>	420 (30%)
Ju	<i>Juncus usitatus</i>	Common Rush	1.2 x 1.5	Viro Tube	8/m <sup>2</sup>	490 (35%)
Pa	<i>Pennisetum alopecuroides</i>	Swamp Foxtail	1.5 x 1.0	Viro Tube	8/m <sup>2</sup>	490 (35%)

CONTINUES ON DWG L-105

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01 Basin 1  
1:150

02 Basin 2  
1:150

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D	For Approval	PH	RS	14.07.2023
C	Response to Council RFI	NP	RS	22.04.2022
B	For Approval	NP	RS	14.03.2022
A	Preliminary	NP	RS	02.03.2022
Issue	Revision Description	Drawn	Check	Date

Legend

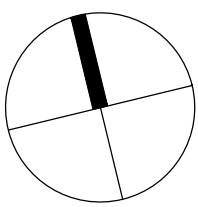
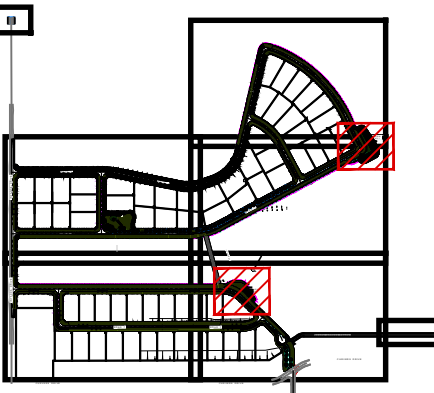
- Backhousia myrtifolia*  
Grey Myrtle - 8.0 x 4.0  
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- Hose Tap  
(Subject to Council Approval)

Key Plan



SITE IMAGE



Client

Heir Asquith

Project

Inyadda Drive,  
Manyana NSW 2539

Drawing Name

Landscape Bio Basin Plan

DEVELOPMENT APPLICATION

Scale 1:150 @ A1

Job Number Drawing Number Issue

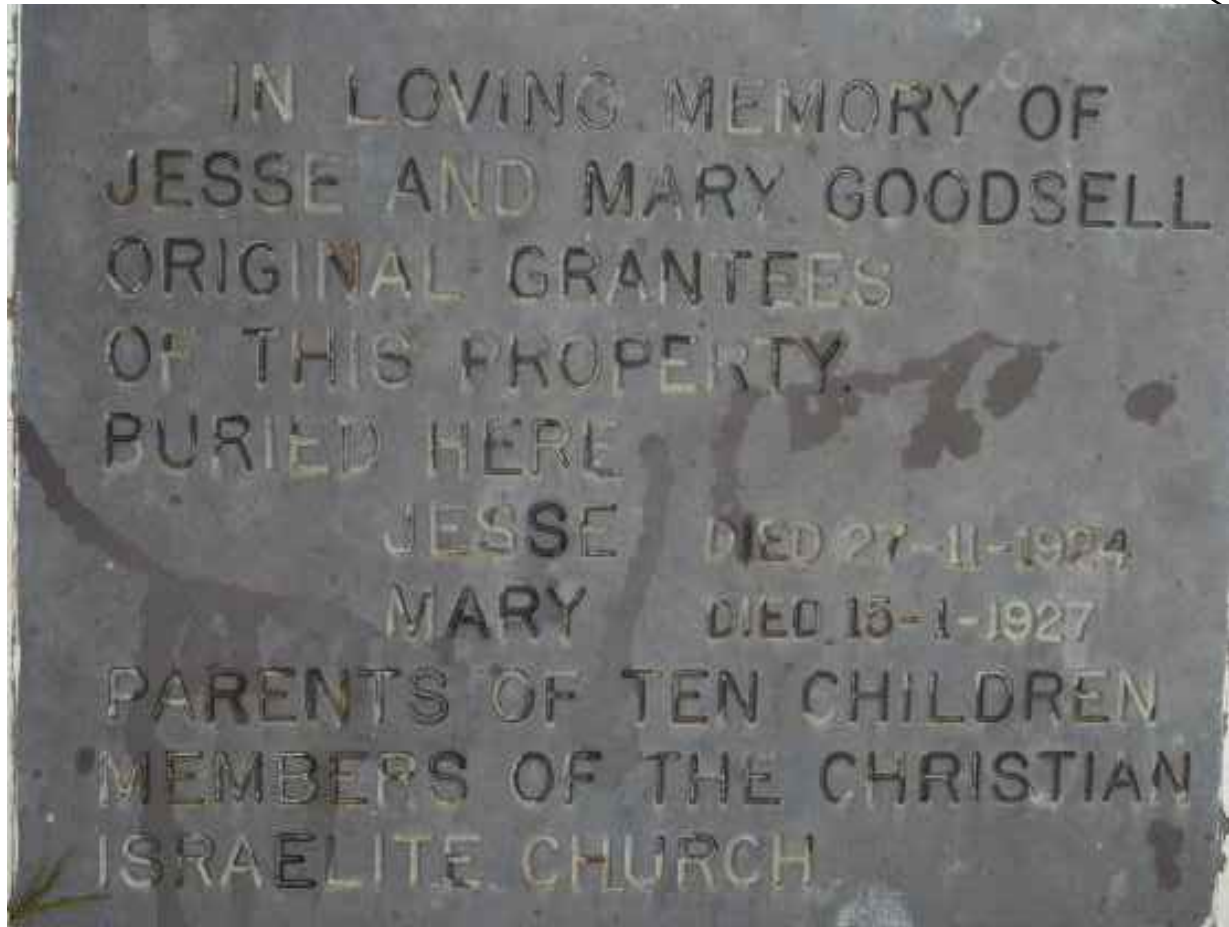
SS22-4882

L-106 D

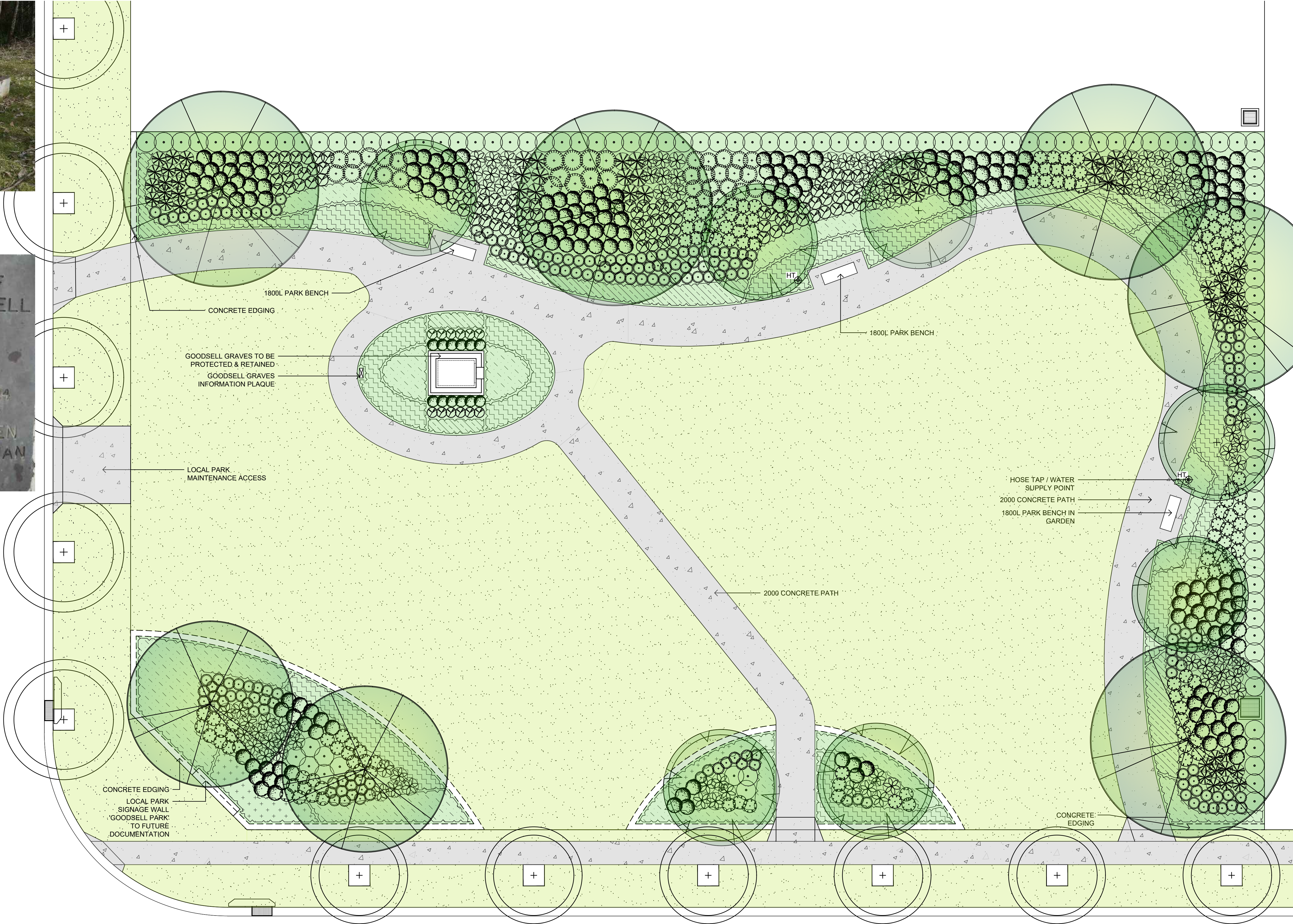




Goodsell Graves



Goodsell Graves Headstone



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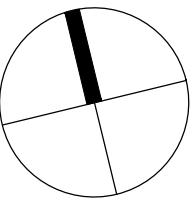
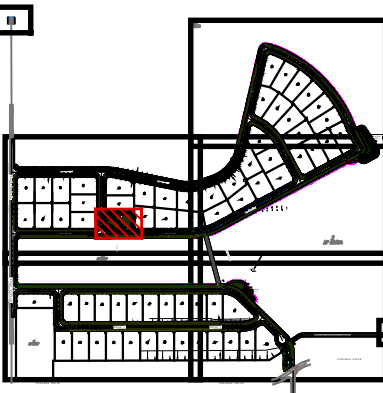
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(Subject to Council Approval)

Key Plan



SITE IMAGE



Client  
**Heir Asquith**

Project  
**Inyadda Drive,  
Manyana NSW 2539**

Drawing Name  
**Community Park**

DEVELOPMENT APPLICATION

Scale 1:100 @ A1  
Job Number  
**SS22-4882**

Drawing Number  
**L-107**

D



Inyadda Drive Subdivision

SI No: SS22-4882

Abbrev.	Botanic Name	Common Name	Mature Size H x W	Pot Size	Density	Qty
LOCAL PARK INDICATIVE PLANTING SCHEDULE						
TREES						
Ac	Angophora costata	Smoothbarked Apple	20.0 x 12.0	100L	As Shown	2
Bi	Banksia integrifolia	Coast Banksia	3.0 x 2.0	100L	As Shown	3
Ba	Brachychiton acerifolius	Illawarra Flame Tree	15.0 x 10.0	100L	As Shown	2
Jm	Jacaranda mimosifolia	Jacaranda	15.0 x 8.0	100L	As Shown	1
TIL	Tristaniaopsis laurina 'Luscious'	Water Gum	8.0 x 4.0	100L	As Shown	1
LIT	Lagerstroemia indica 'Tuscarora'	Pink Crepe Myrtle	6.0 x 5.0	100L	As Shown	2
Wf	Waterhousia floribunda	Weeping Lilly Pilly	10.0 x 6.0	100L	As Shown	2
ACCENTS & SHRUBS						
AsM	Acmena smithii 'Minor'	Lilly Pilly	3.0 x 2.0	200mm	As Shown	103
Bs	Banksia spinulosa	Hills Banksia	3.0 x 2.0	200mm	As Shown	27
CWA	Callistemon 'White Anzac'	Bottlebrush	1.5 x 1.5	200mm	As Shown	51
Ca	Correa alba	Native Fuchsia	1.5 x 1.5	200mm	As Shown	99
CDB	Correa 'Dusky Bells'	Native Fuchsia	0.5 x 1.0	200mm	As Shown	31
De	Doryanthes excelsa	Gymea Lily	2.0 x 2.0	200mm	As Shown	80
Dv	Dodonaea viscosa	Hop Bush	3.0 x 1.5	200mm	As Shown	9
Gr	Grevillea rosmarinifolia	Rosemary Grevillea	2.5 x 2.5	200mm	As Shown	40
LIF	Leptospermum laevigatum	Dwarf Coastal Tea Tree	0.5 x 1.0	200mm	As Shown	61
PBB	Phormium Bronze Baby	Dwarf Flax	1.0 x 1.0	200mm	As Shown	69
ROP	Rhapiolepis indica 'Oriental Pearl'	Indian Hawthorn	1.5 x 1.5	200mm	As Shown	141
Ro	Rosmarinus officinalis	Rosemary Grevillea	1.2 x 1.0	200mm	As Shown	12
Wfn	Westringia fruticosa 'Naringa'	Grey Box	1.0 x 1.0	200mm	As Shown	127
GRASSES & GROUNDCOVERS						
CDF	Chryscephalum apiculatum 'Desert Flame'	Everlasting Daisy	0.3 x 0.5	140mm	5/m <sup>2</sup>	154
DcS	Dianella citriodora 'Seaspray'	Spreading Flax Lily	1.0 x 1.0	140mm	5/m <sup>2</sup>	109
Hs	Hibbertia scandens	Guinea Flower	0.1 x 0.2	140mm	5/m <sup>2</sup>	54
LIT	Lomandra longifolia 'Tanika'	Tanika	0.5 x 0.6	140mm	5/m <sup>2</sup>	432
Mp	Myoporum parvifolium purpurea	Creeping Boobialla	0.3 x 3.0	140mm	5/m <sup>2</sup>	220
PPL	Pennisetum alopecuroides 'Purple Lea'	Swamp Foxtail Grass	1.5 x 0.8	140mm	5/m <sup>2</sup>	160
TURF						
Stenotaphrum secundatum		Sir Walter Soft-leaf Buffalo				1081 m <sup>2</sup>

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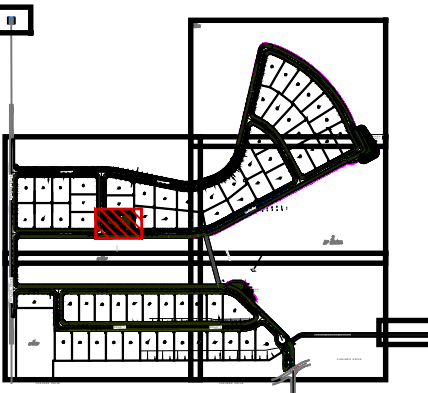
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Key Plan



SITE IMAGE



Client  
Heir Asquith

Project  
Inyadda Drive,  
Manyana NSW 2539

Drawing Name  
Planting Plan - Community Park

DEVELOPMENT APPLICATION

Scale 1:100 @ A1  
Job Number

Drawing Number  
Issue

SS22-4882

L-207 D



SPECIFICATION

GENERAL NOTES

**References**  
All plans and details included in the project documents shall be read in conjunction with this specification. All structural and civil works components of the landscape design shall be referenced to engineers' details and specifications. Read this specification in conjunction with the plant and materials schedules on the drawings. If in doubt about any detail or if conflicts are found in the documents, seek advice.

**Workmanship and Materials**  
The whole of the landscape works shall be carried out by a competent, trained and qualified landscape contractor who is experienced in horticultural practices, landscape construction and planting techniques. The landscape contractor shall hold a current Building Contractors License and/or be a financial member of LNA Landscape Association NSW & ACT or equivalent organisations in other states.

EXISTING TREES AND SHRUBS

**Trees and Shrubs to be Retained and Protected**  
Identify and mark trees and shrubs to be retained using a suitable non-injurious, easily visible and removable means of identification. Protect from damage the trees and shrubs to be retained, including those beyond the site area, both above and below the ground. If a tree becomes damaged during the works or it is proposed to perform work on a tree, give written notice immediately and obtain instructions.

**Work Near Trees and Shrubs**  
Keep the area of the drip-line free from construction material and debris. Do not place bulk materials and harmful materials under foliage canopies or near trees. Do not place spoil from excavations against tree trunks. Prevent wind-blown building materials, such as cement, from covering trees and other plants. Do not remove topsoil from, or add topsoil to, the area within the drip-line of trees.

EARTHWORKS

**Excavation, Trimming and Filling**  
Except as otherwise noted in the contract, bulk excavation is excluded from the landscape works. After the completion of bulk excavation by others, trim and fill the excavated ground surfaces to achieve design levels to accommodate finish materials as detailed. Prepare the sub-grade surface as required for the various finished ground treatments.

**Site Drainage**  
Keep the excavated works drained and free of standing water. Allow to supply and install sub-soil drainage pipes as required for the new works to ensure that all gardens are well drained. Connect the sub-soil drainage pipes to the nearest downstream stormwater pits. Include pipe filter socks and course sharp aggregate backfilling of trenches.

HARDWORKS

**Garden Walls, Fences, Steps, TGSi and Edging**  
Construct garden walls, fences, steps, TGSi and edging as shown on plan, as detailed and of the material scheduled. Provide footings, step nosings, tactile surfaces to comply with Australian Standards and applicable legislation. Refer to engineer's details for structural retaining walls, concrete stairs, concrete strength, reinforcing and joint placement.

**Continuous, Unit and Loose Pavement**  
Install the scheduled material pavement to the locations shown on plan. Ensure that all subgrade/subsurface works are complete prior to commencing paving. Confer with the engineer to ensure the structural integrity of the subgrade. Ensure that the base course under paved surfaces is a continuous plane offering a constant depth of bedding material not exceeding 50mm. If laying unit pavers in a cement mortar bed on a concrete sub-base ensure that joints in paving match the location of joints in the concrete. Refer to engineer's details for heavy duty slabs, concrete stairs, concrete strength, reinforcing, and joint type and placement.

- Insitu concrete paths: Wood float coved finish, tool edged.
- Path joints: Construction joints at 3000mm centres max.

**Landscape Structures**  
All landscape structures shall have a common appearance in detail and material content while providing for the functional design requirements. The structure of all elements shall consist of a base frame of structural grade hardwood timber of sizes that sustain spans and maintain stability. Refer to drawn details for further information.

SOFTWORKS

**Site Soil Testing**  
Where site soil is to be retrieved from site and stored on site for reuse, undertake at least two (2) soil tests in locations as advised by the Project Manager or as shown on the plans. Provide results and recommendations regarding soil additives for the benefit of healthy plant growth and to adjust the soil components to achieve an appropriate planting medium for successful plant development. Where topsoil is imported to site no testing of the imported soil is necessary but ensure that imported soil can be supplied with test data to verify that it suits the design plants.

**Subsoil**  
Excavate and/or fill all garden beds to bring the top of subsoil to at least 300mm below finished design soil levels. Excavate all turf areas to bring the subsoil to at least 100mm below finished design levels. In all areas shape the subsoil to fall to subsoil drainage where applicable. Do not excavate within the drip line of trees and shrubs to be retained. Cultivate or rip the subsoil to a further depth of 100mm before placing top soil. Remove stones of size exceeding 25mm, clods of earth exceeding 50mm, and weeds, rubbish or other deleterious material brought to the surface during cultivation. Do not disturb services or existing tree roots. If necessary, cultivate these areas by hand. During cultivation, thoroughly mix in materials required to be incorporated into the subsoil, as recommended in the soil testing results and to manufacturer's recommendations. Trim the surface to design levels again after cultivation.

**Subsoil Drainage**  
Provide and install subsoil drainage equal to Vinidex 65mm (min) Draincoil with filter sock at the base of slopes, on the high side of paths, at the base behind retaining walls and where water is likely to accumulate at depth in the soil. Connect all subsoil drainage to the nearest downstream stormwater pit to ensure that subsoil water is managed and channelled to a stormwater drainage system. On sites with cross fall of less than 1:50 install subsoil drains to remove excess water from the subsoil in areas where water is likely to accumulate and may not penetrate lower strata naturally. Rip the sub-base surface 150mm deep before placing any soil. Install drainage pipes in subsoil trenches backfilled with 10mm blue metal (basalt) equal to ANL Blue Metal.

Coordinate the connection of subsoil drains to stormwater pits with the Civil or Hydraulic contractor.

**Topsoil**  
Import topsoil for the garden and turf areas, unless the topsoil can be provided from material recovered from the site, as recommended in the soil testing results. Spread the topsoil on the prepared subsoil and grade evenly, compact lightly and uniformly in 150mm layers. Avoid differential subsidence and excess compaction and produce a finished topsoil surface which has the following characteristics:

- Finished to design levels, allowing for mulch or turf, which is to finish flush with adjoining hard surfaces such as paths and edges;
- Smooth and free from inorganic matter, stones or clods of soil;
- Graded to drain freely, without ponding, to catchment and/or sub-soil drains;
- Graded evenly to adjoining surfaces; and
- Ready for planting.

**Compost**  
Provide, in accordance with AS 4454, well rotted vegetative material or animal manure, free from harmful chemicals, inorganic matter, grass, weeds and the reproductive parts of unwanted plants.

**Fertiliser**  
Provide proprietary fertilisers, delivered to the site in sealed containers marked to show manufacturer or vendor, weight, fertiliser type, N-P-K ratio, recommended uses, application rates and safety procedures. Apply appropriate fertiliser suited to the provenance of plants (indigenous or exotic) included in the design.

**Plants**  
Supply plants in accordance with the landscape design drawings and schedules, which have the following characteristics:

- Large healthy root systems, with no evidence of root rot, restriction or damage;
- Vigorous, well established, free from disease and pests, of good form consistent with the species/variety;
- Hardened off, not soft or forced, and suitable for planting in the natural climatic conditions prevailing at the site in full sun, partial shade or full shade conditions;
- Grown in final containers for not less than twelve weeks;
- Trees, unless required to be multi-stemmed, shall have a single leading shoot; and
- Containers shall be free from weeds and of appropriate size in relation to the specified plant size.

**Plant Installation**  
Following excavation of the planting hole, place and spread 15gms of wetting agent pre-mixed with one (1) litre of water. Place the plant correctly orientated to north or for best presentation. Backfill the planting holes with specified topsoil mixture. Lightly tamp and water to eliminate air pockets. Ensure that the backfill soil is not placed over the top of the root ball and that the root ball is not higher than the soil in which it is planted. Apply fertiliser, as specified around the plants in the soil at the time of planting.

**Embankment Stabilisation**  
Where necessary and shown on the drawings prevent soil erosion or soil movement by stabilising embankments as follows. As a minimum, this should be on slopes steeper than or equal to 1:3 gradient. Stabilise embankments using biodegradable fibre reinforced heavy weight jute fabric. Lay fabric from top to bottom of slope. Install in accordance with manufacturer's specification, including 300 x 300mm anchor trench at top and bottom of slope, backfilled with soil over the fabric and compacted into the trenches. Using U-shaped galvanised steel pegs at 1000 mm centres generally and 250mm centres at edge overlaps, secure the fabric to the prepared soil surface. Plant through the fabric after it is installed.

**Root Barrier**  
Supply and install root control barriers to all new tree plantings adjacent to walls, paths, kerbs and all service trenches, where their proximity poses a threat to the stability of the built infrastructure. Install in accordance with manufacturer's recommendations.

**Mulch**  
Unless noted otherwise, mulch shall be approved proprietary recycled wood fibre or pine bark material. Place mulch in all garden beds to a depth of 75mm after all specified plants are installed. Keep mulch clear of all plant stems and rake to an even plane, flush with the surrounding surfaces evenly graded between design surface levels. Over fill to allow mulch to settle to the specified depth.

**Stakes and Ties**  
Stakes shall be durable hardwood, straight, free of knots and twists, pointed at one end, in the following quantities and sizes for each of the various plant pot sizes:

- Plants ≥25 lt: 1 off 38 x 38 x 1200mm;
- Semi-advanced plants ≥75 lt: 2 off 50x50x 1800mm;
- Advanced plants ≥100 lt: 3 off 50 x 50 x 2400mm.

**Turf**  
Turf shall be delivered to site as 25mm minimum thick cut rolls. Obtain turf from a specialist grower of cultivated turf. Turf shall have an even thickness, free from weeds and other foreign matter. Deliver turf to the site within 24 hours of being cut and lay it within 24 hours of delivery. Prevent it from drying out between cutting and laying. Lay the turf in the following manner:

- In stretcher pattern, joints staggered and close butted;
- Parallel long sides of level areas, with contours on slopes; and
- To finish flush, after lightly tamping, with adjacent finished surfaces and design levels.

Species: *Stenotaphrum secundatum* Sir Walter Soft-leaf Buffalo.

IRRIGATION

Scope: Unless otherwise noted or instructed irrigate all planted areas shown on plans including planters, tubs, gardens, turf and the like. The irrigation system shall be an automatic permanent system, with an irrigation controller self operated via a soil moisture sensor. The system shall be calibrated to deliver the optimum rate and volume of water appropriate to the type of plants in the design. The system shall be adjustable and fully serviceable. The layout of the entire irrigation system shall focus on delivering the required amount of water to maintain healthy and vigorous growth. The irrigation system shall be such that, component theft, vandalism, over-spray and wetting of paths shall be reduced to a minimum or eliminated with the use of drip, pop-up sprinklers and judiciously placed fixed spray emitters. Generally, do not use fine mist emitters that provide a drifting mist that may wet paths and the buildings unless specifically required by the design.

The Landscape Contractor shall engage a qualified irrigation consultant to design the system, document all components, accessories and materials for review by the Landscape Architect prior to starting landscape works generally.

LANDSCAPE MAINTENANCE

The Landscape Contractor shall rectify defects during installation and that become apparent in the works under normal use for the duration of the contract Defects Liability Period. Unless contracted otherwise, the Landscape Contractor shall maintain the contract areas by the implementation of industry accepted horticultural practices for 52 weeks from Practical Completion of the works. The landscape maintenance works shall include, but not be limited to:

- Replacing failed plants;
- Pruning;
- Insect and pest control;
- Fertilising;
- Maintaining and removing stakes and ties;
- Maintaining mulch;
- Mowing and top dressing;
- Irrigation and watering;
- Erosion control; and
- Weeding and rubbish removal.

**Maintenance Log Book**  
Implement and keep a maintenance log book recording when and what maintenance work has been undertaken and what materials, actions and decisions have been used, implemented and concluded to keep the landscape always looking its best. Enter data daily and review information every 2 weeks. Observe trends and develop a maintenance regime around seasonal and observed event occurrences.

**Maintenance Activities**  
During the defect maintenance period schedule the following activities to occur on a timely basis.

**Plant replacement** - Replace plants that have failed to mature, die or are damaged. Replacement plants shall be in a similar size and quality and identical species or variety to the plant that has failed. Replacement of plants shall be at the cost of the landscape contractor unless advised otherwise. If the cause of the failure is due to a controllable situation then correct the situation prior to replacing plants. Observe and replace failed plants within 2 weeks of observation.

**Pruning** - Prune dead wood, broken limbs, dead or infected foliage and as needed to develop strong, healthy plants to achieve the shape and form expected of the plant type. Observe daily and prune plants as necessary to maintain acceptable growth habit.

**Insect, disease and pest control** - Avoid spraying:

- if ever possible;
- in wet weather or if wet weather is imminent;
- if target plants are still wet after rain;
- in windy weather; and
- if non-target species are too close.

Immediately report to the Project Manager any evidence of intensive weed infestation, insect attack or disease amongst plant material. Submit all proposals to apply chemicals and obtain approval before starting this work. When approved, spray with herbicide, insecticide, fungicide as appropriate in accordance with the manufacturers' recommendations. Observe daily and act as necessary to control any infestation or disease. Record in the logbook all relevant details of spraying activities including:

- Product brand / manufacturer's name,
- Chemical / product name,
- Chemical contents,
- Application quantity and rate,
- Date of application and location,
- Results of application, and
- Use approval authority.

**Fertilising**  
Fertilise gardens with a proprietary slow release fertiliser applied in accordance with the manufacturer's directions and recommendations. Apply 6-12 monthly. Record in the logbook all relevant details of fertilising including:

- Product brand / manufacturer's name,
- Fertiliser / product name,
- Application quantity and rate, and
- Date of application and location.

**Stakes and ties** - Adjust and replace as required to ensure plants remain correctly staked. Remove those not required at the end of the planting establishment period (Defects Liability Period). Inspect and act at least every 2 weeks.

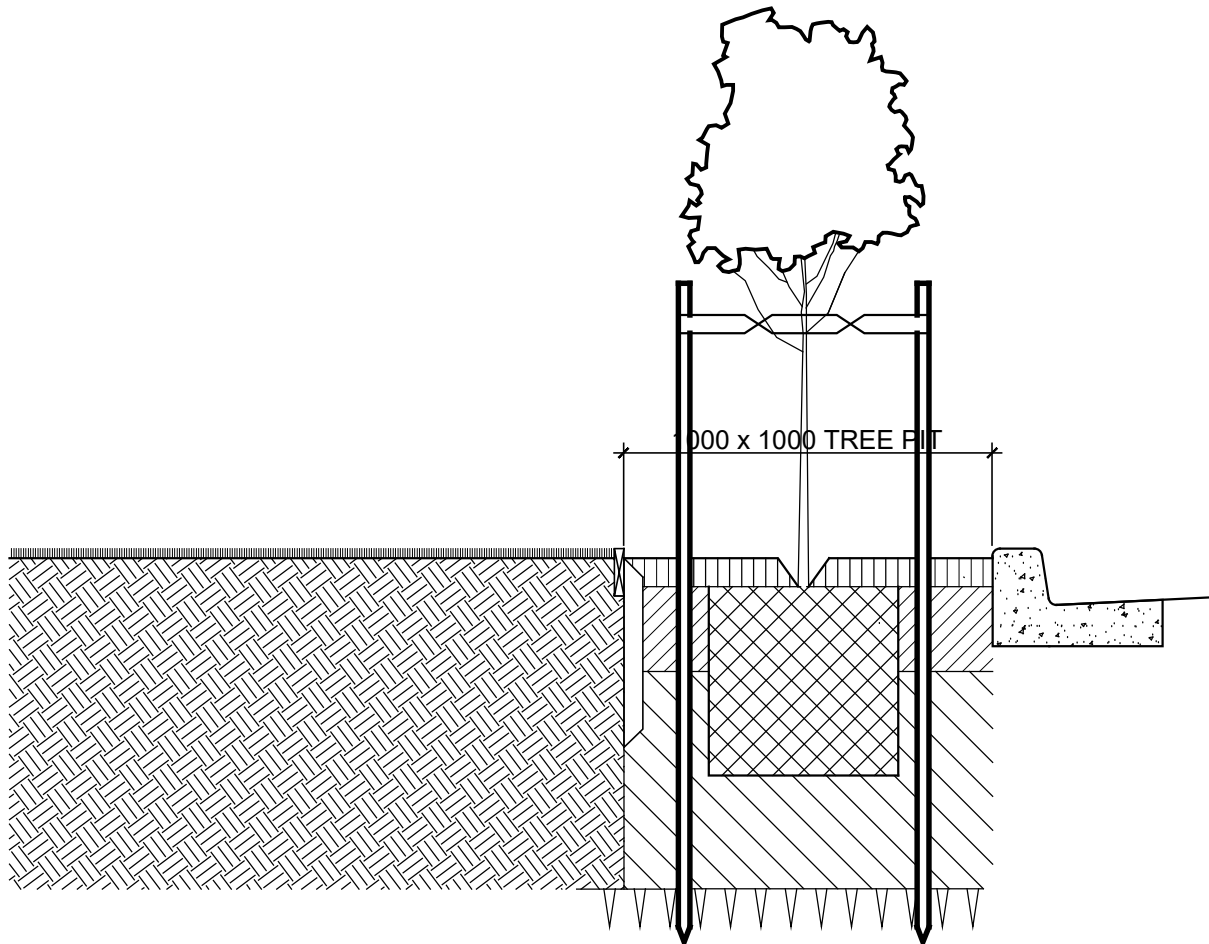
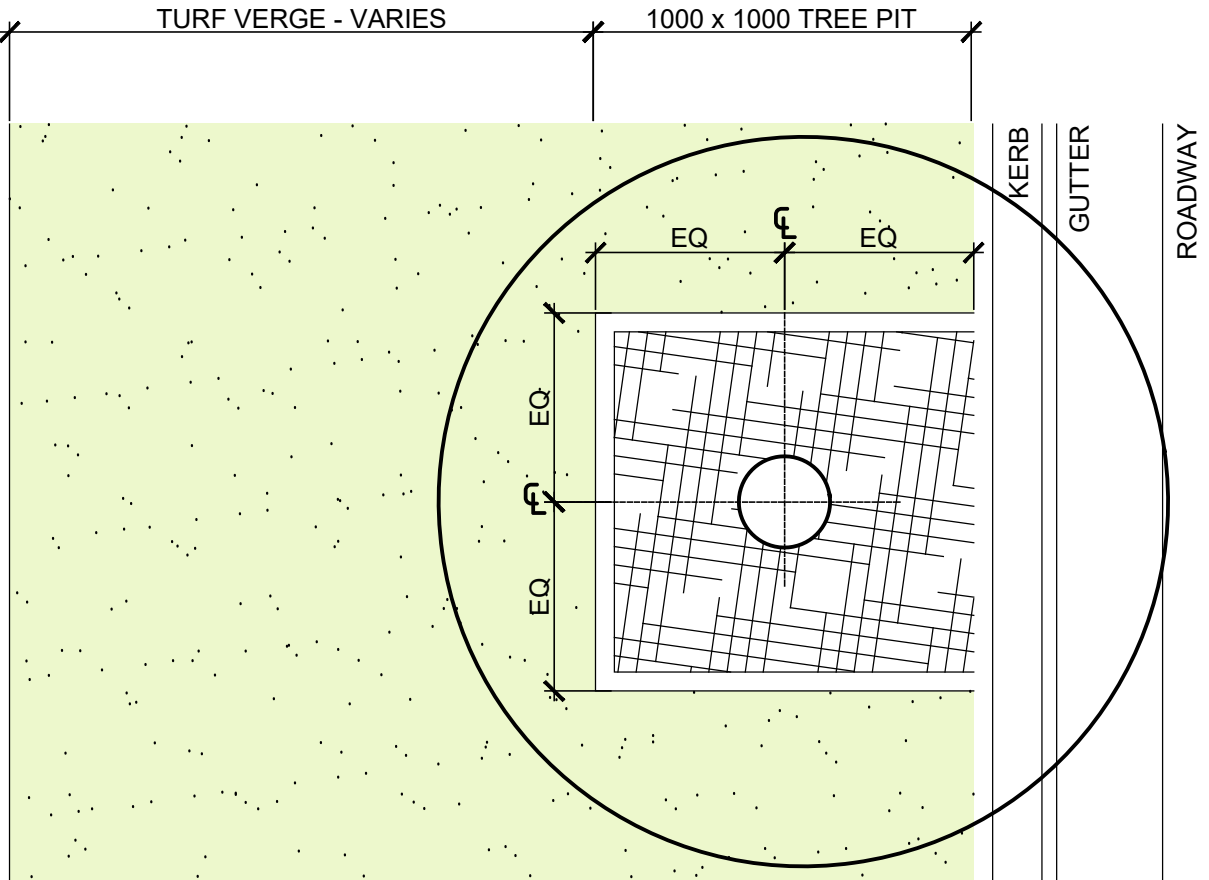
**Maintaining mulch** - Maintain the surface in a clean, tidy and weed free condition and reinstate the mulch as necessary to ensure correct depth as specified. Observe weekly and replenish mulch as required.

**Mowing and top dressing** - Mow the turf to maintain a grass height of between 30-50mm. Do not remove more than one third of the grass height at any one time. Remove grass clippings from the site after each mowing. Top dress to a maximum of 10mm to fill depressions and hollows in the surface. Mow weekly/fortnightly in warmer months. Mow monthly or as required in cooler months. Top dress at approximately 6 monthly intervals.

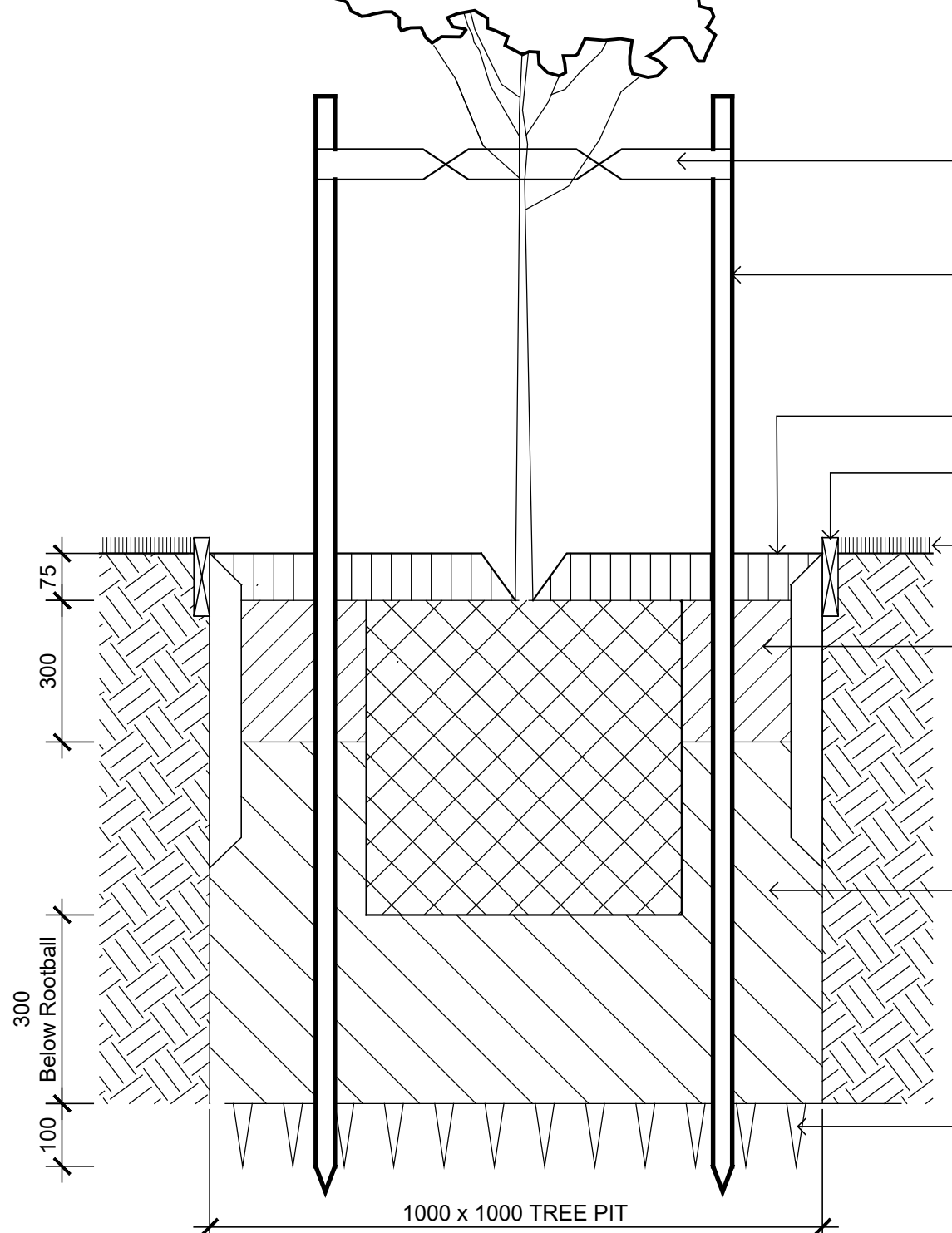
**Irrigation and watering** - Maintain the irrigation system to sure that each individual plant receives the required amount of water to maintain healthy and vigorous growth. Adjust and calibrate as required. Provide additional watering, if necessary but inspect irrigation weekly and make repairs as necessary.

**Erosion control** - Where necessary, maintain the erosion control fabric in a tidy and weed free condition and reinstate as necessary to ensure control measures are effective where deemed necessary. Inspect every 2 weeks and act to repair any damage as soon as possible.

**Weeding and rubbish removal** - During the plant establishment period remove by hand, rubbish and weed growth that may occur or re-occur throughout all planted, mulched and paved areas. The contractor shall target weeds that are capable of producing a major infestation of unwanted plants by seed distribution. Whenever possible, time weed removal to precede flowering and seed set. Constant observation and removal of weeds is essential.



01 Typical Street Verge Section  
L-500 1:20  
NO FOOTPATH



Hession ties above lowest limb to prevent slipping

Hardwood timber stakes. Refer to specification for no. & size. Drive securely into ground and avoid root ball

Mulch as specified

Timber edging  
Refer detail

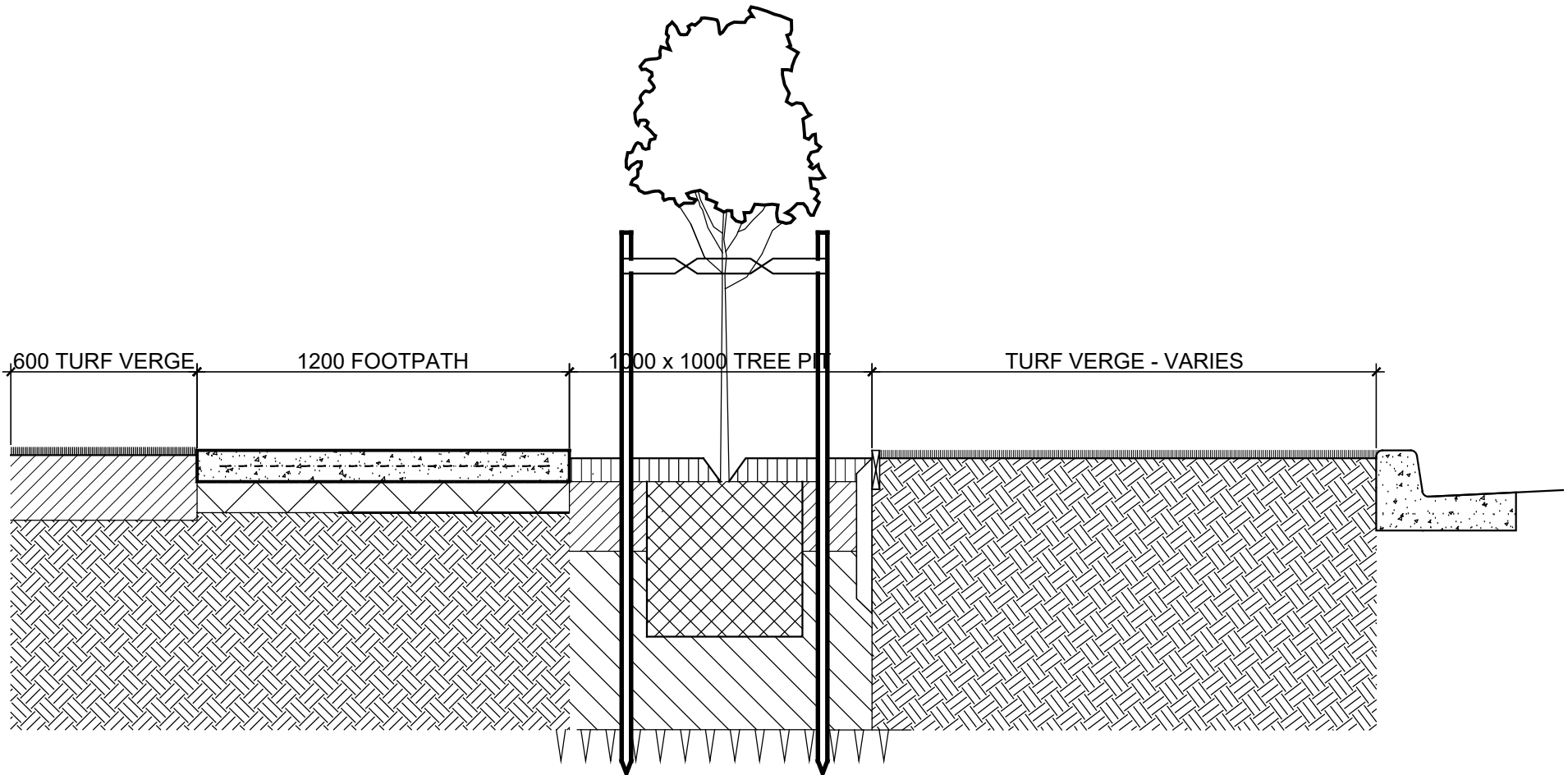
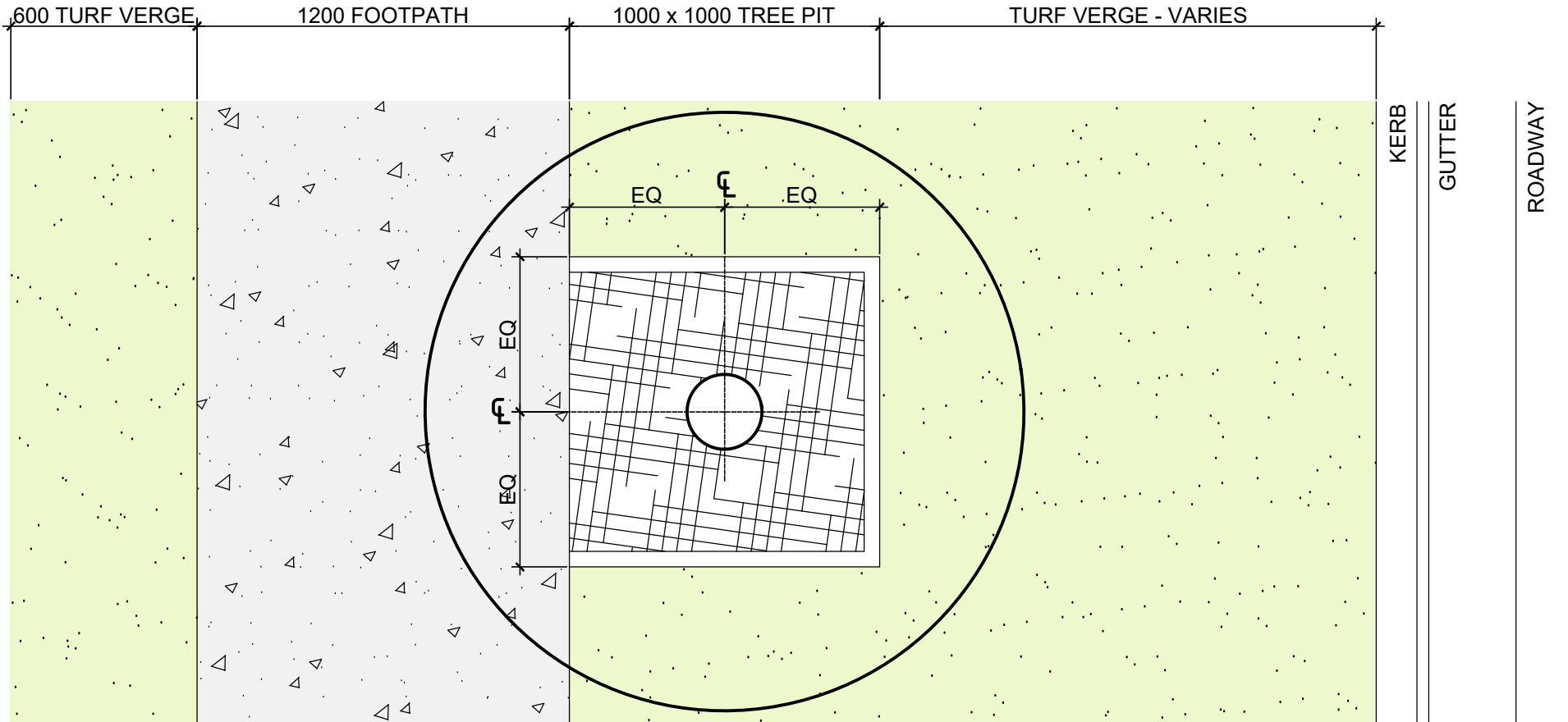
Adjacent turf verge  
Refer detail

Topsoil mix type A (Horizon A)  
with fertiliser as specified.

Imported soil mix type B (Horizon B)  
with fertiliser as specified.

Rip subgrade

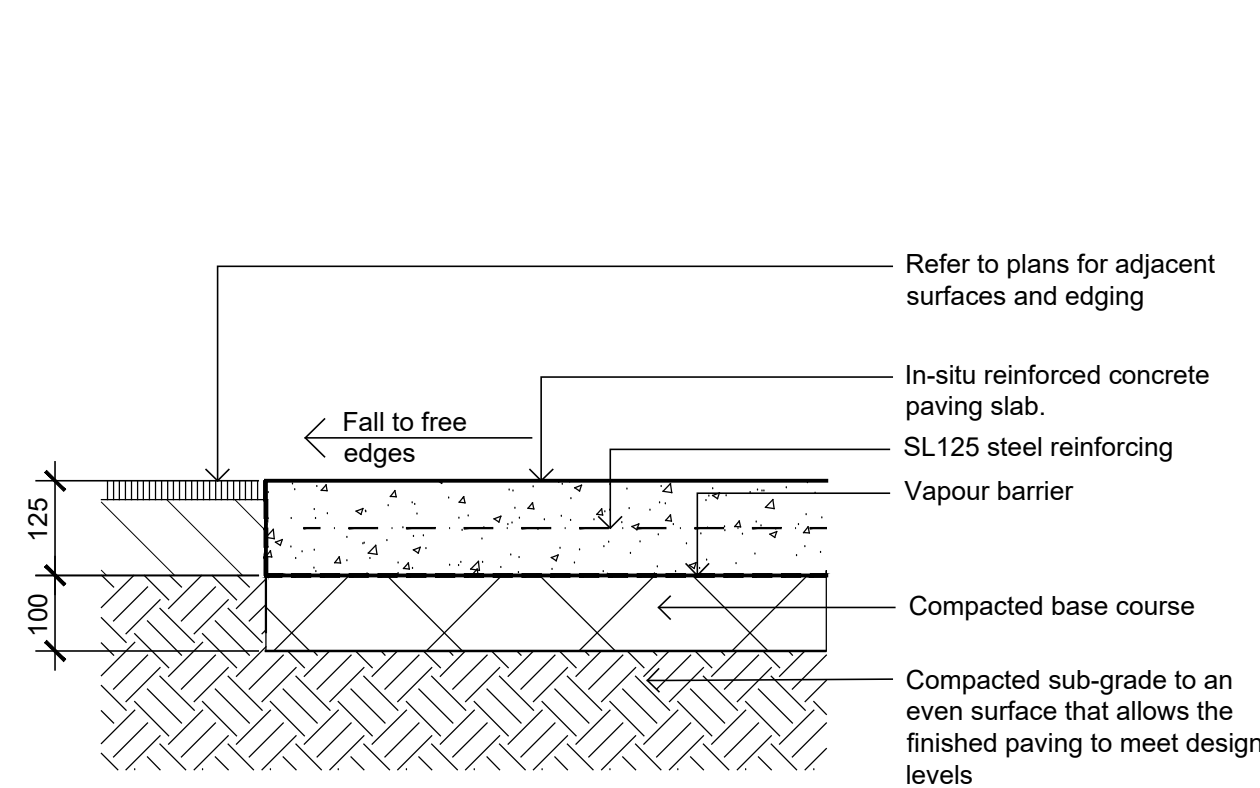
Note:  
Install root barrier as required to protect adjacent paths, slabs and paving from root growth damage. Refer plans & specification.



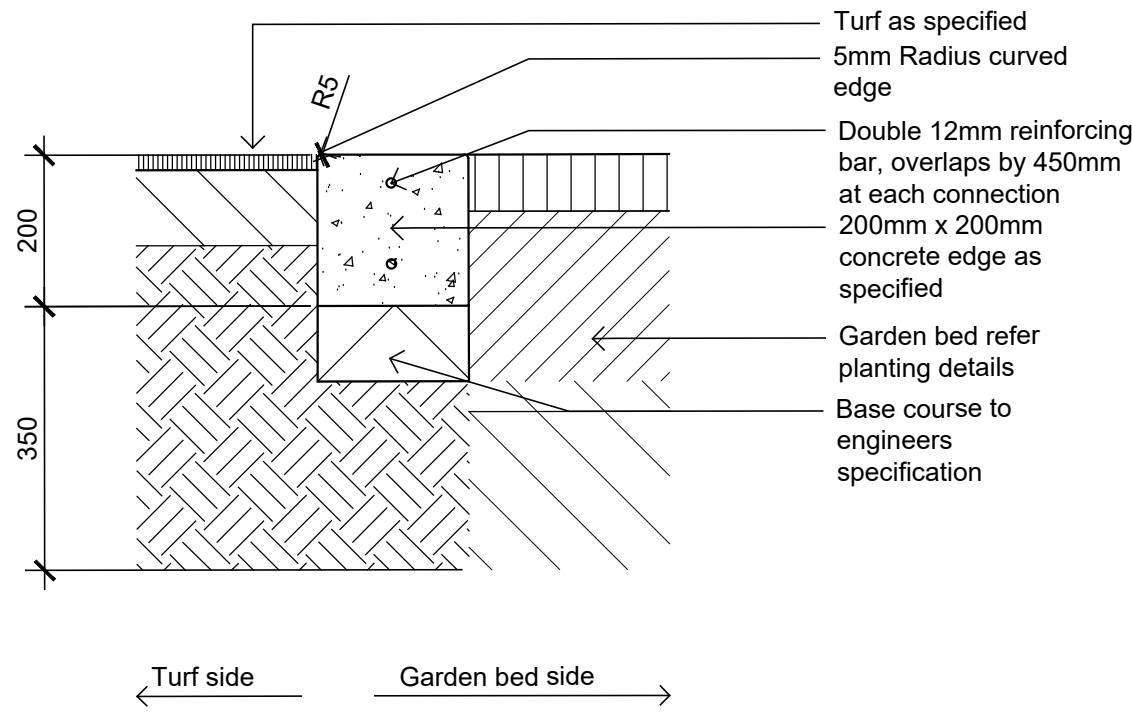
02 Typical Street Verge Section  
L-500 1:20  
WITH FOOTPATH

03 Typical Street Tree Detail  
L-500 1:10

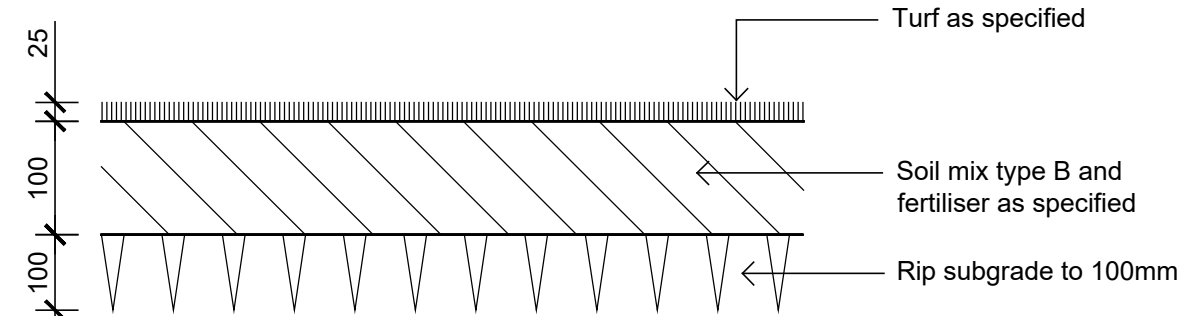




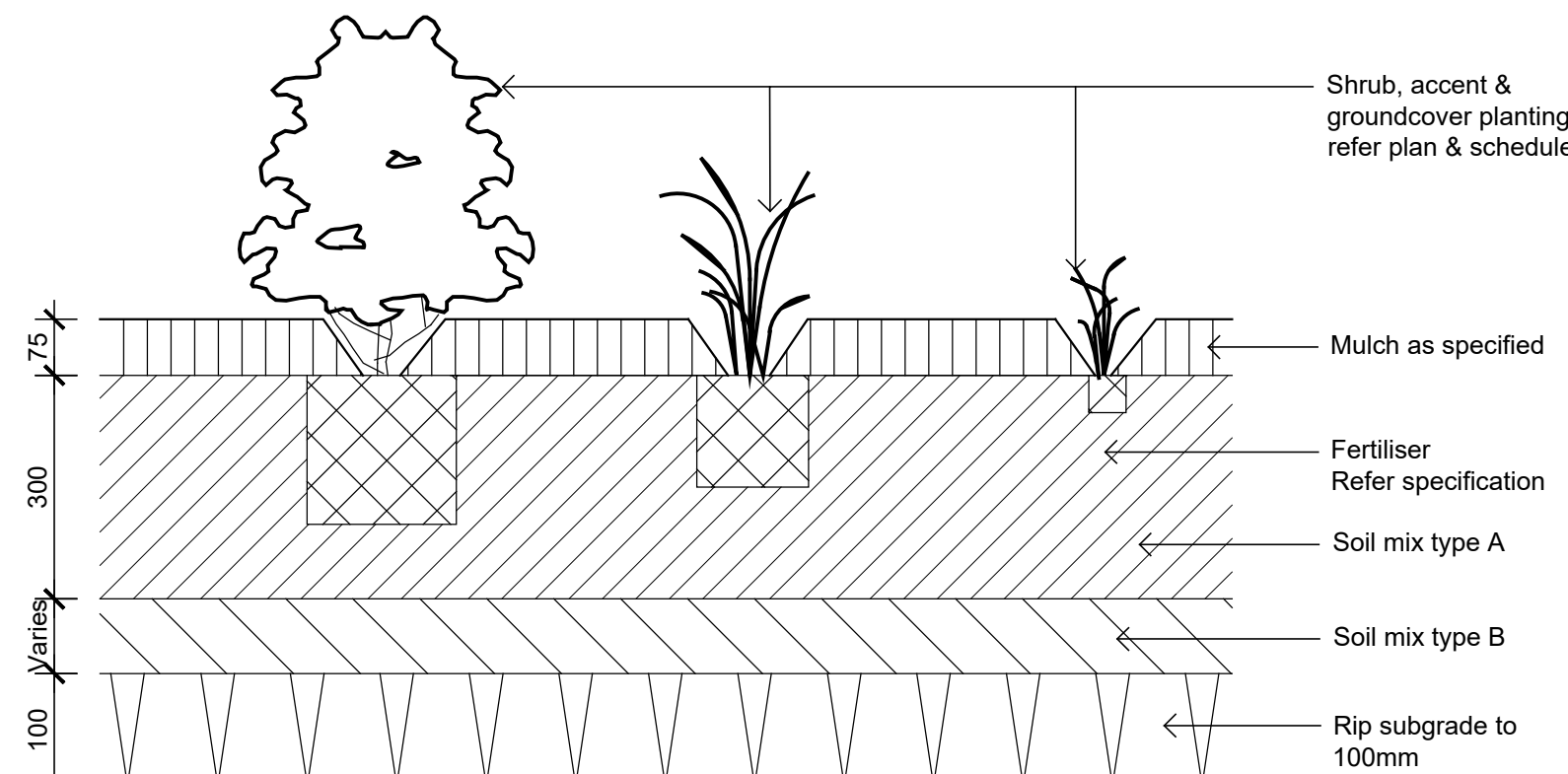
01 Insitu Concrete Paving - On grade  
L-501 1:10



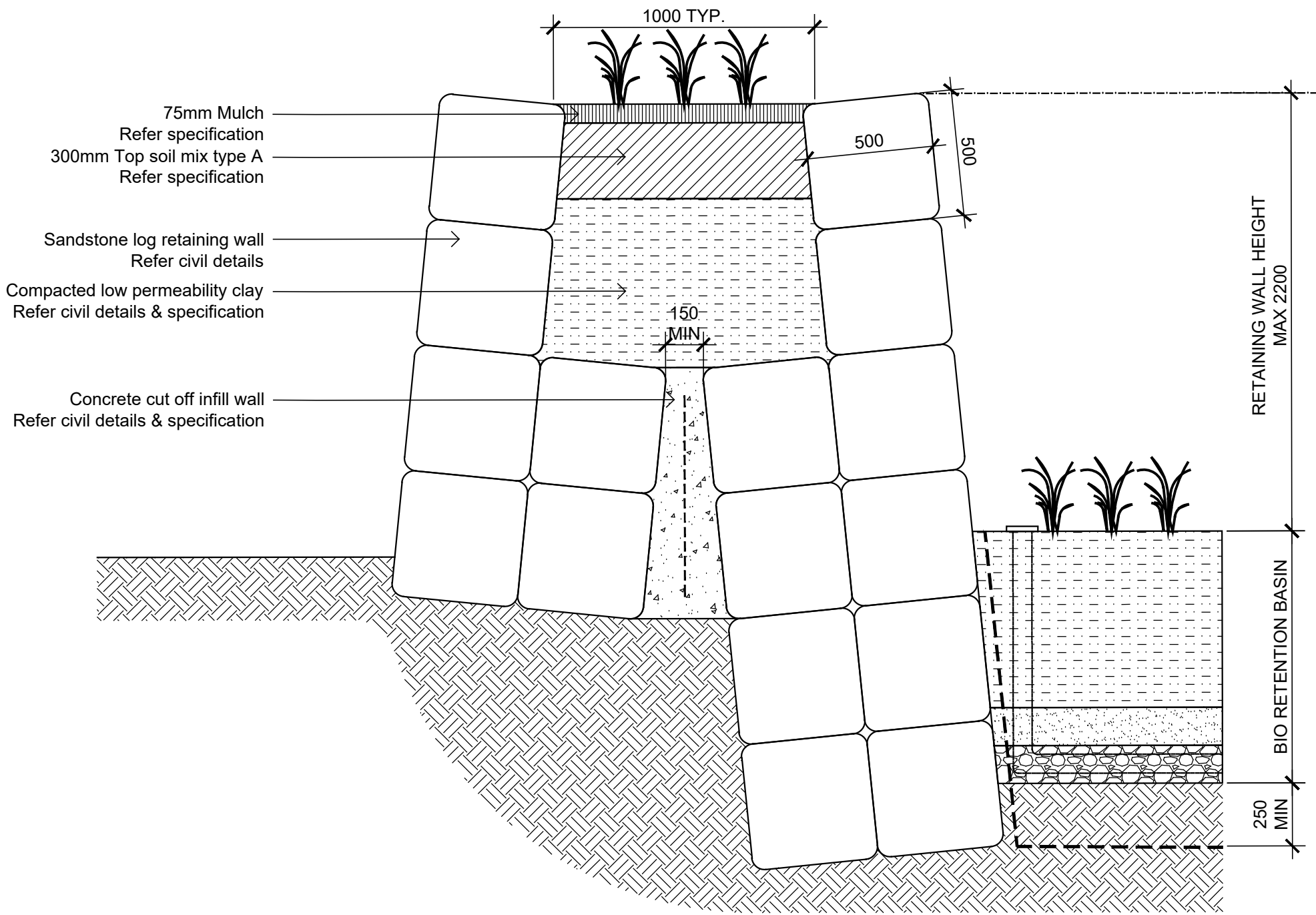
04 Typical Concrete Edge  
L-501 1:10



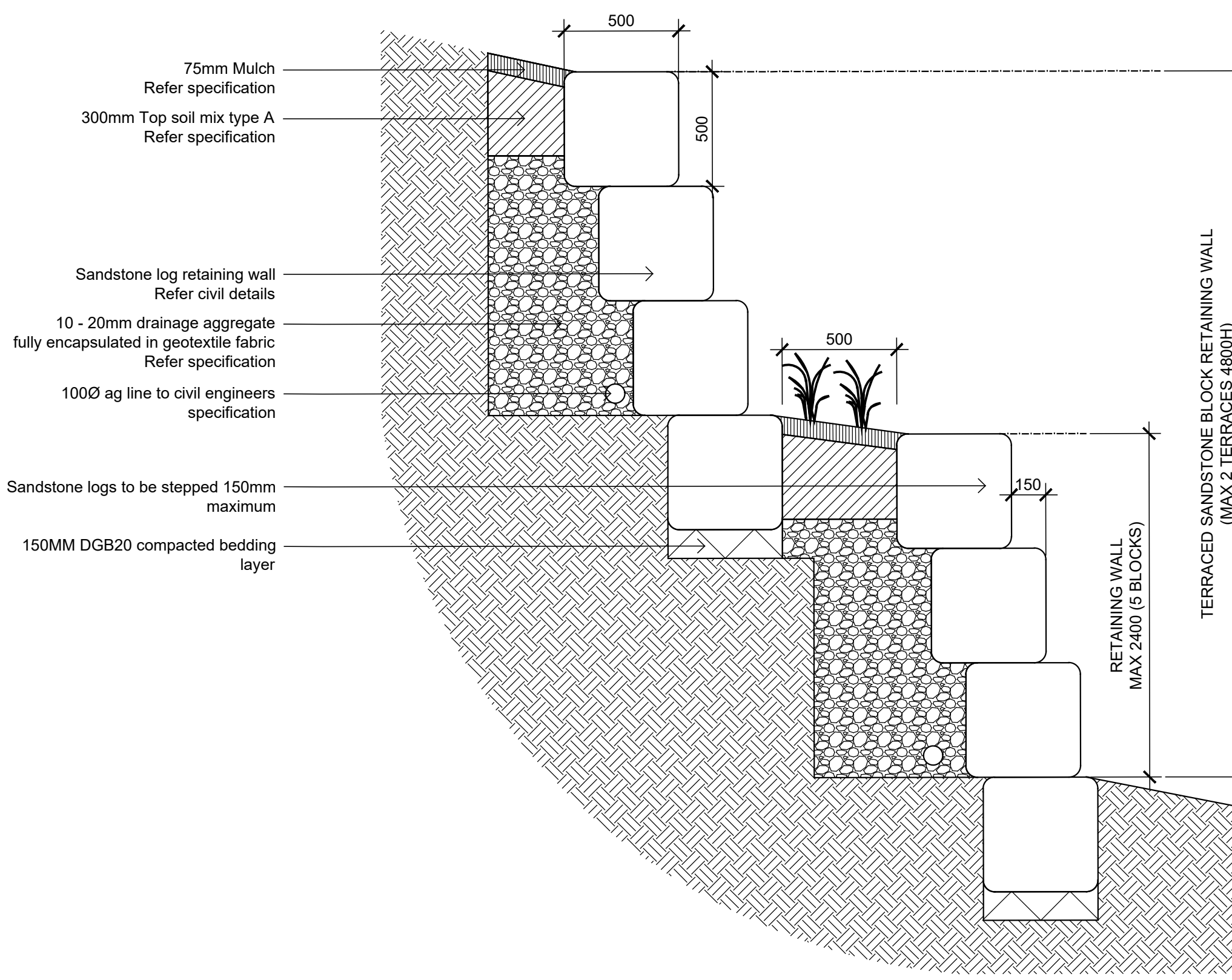
02 Detail Turf on Even Grade  
L-501 1:10



03 Detail Shrub Accent & Groundcover Planting on Grade  
L-501 1:10



05 Typical Indicative Back to Back Retaining Walls  
L-501 1:20



06 Typical Terraced Sandstone Block Wall  
L-501 1:20

NOT FOR CONSTRUCTION

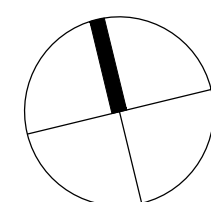
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The contractor shall check and verify all work on site (including work by others) before commencing the landscape installation. Any discrepancies are to be reported to the Project Manager or Landscape Architect prior to commencing work. Do not scale this drawing. Any required dimensions not shown shall be referred to the Landscape Architect for confirmation.

D	For Approval	PH	RS	14.07.2023
C	Response to Council RFI	NP	RS	22.04.2022
B	For Approval	NP	RS	14.03.2022
A	Preliminary	NP	RS	02.03.2022
Issue	Revision Description	Drawn	Check	Date

Legend

Key Plan



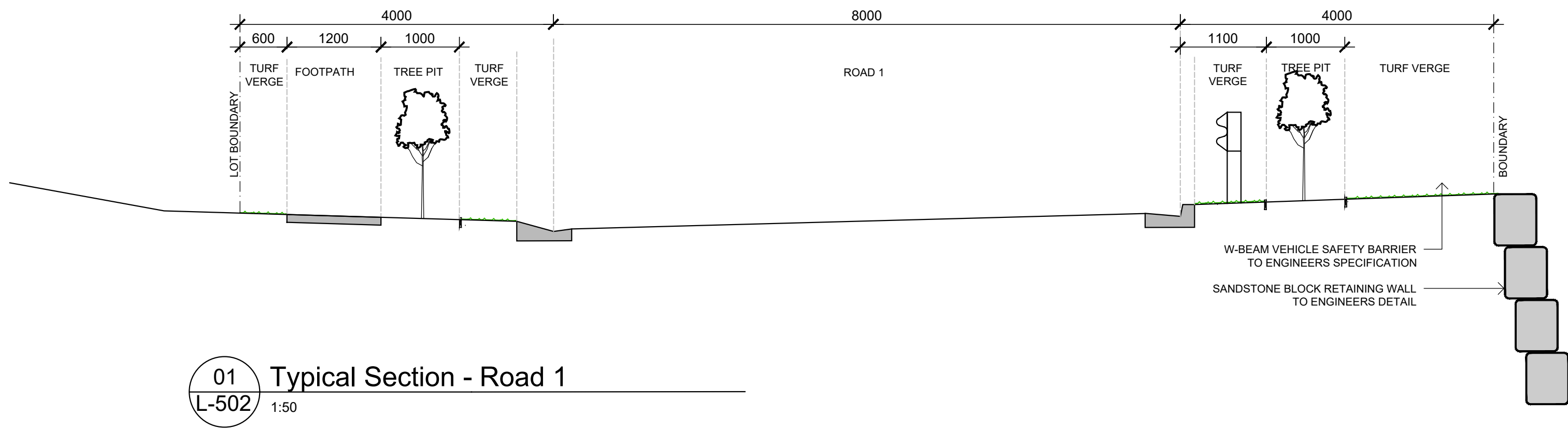
SITE IMAGE  
Landscape Architects  
Level 1, 3-5 Baptist Street  
Redfern NSW 2016  
Australia  
Tel: (61 2) 8332 5600  
Fax: (61 2) 9698 2877  
www.siteimage.com.au

Client  
Heir Asquith  
Project  
Inyadda Drive,  
Manyana NSW 2539

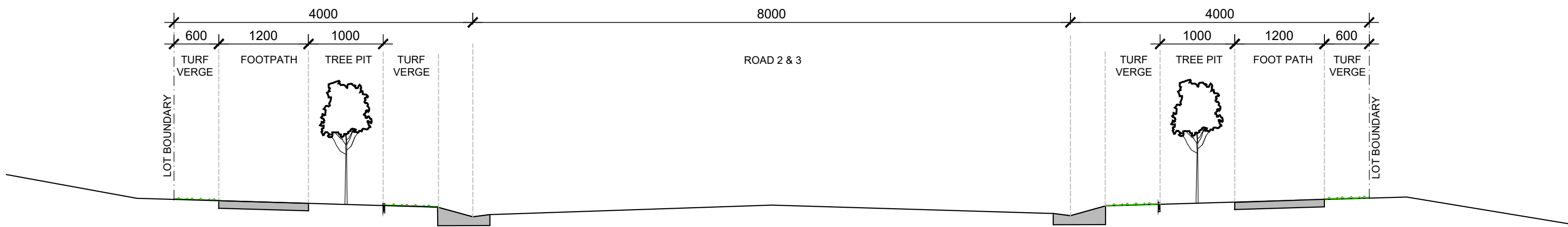
Drawing Name  
Landscape Details

DEVELOPMENT APPLICATION  
Scale 1:10 @ A1  
Job Number  
SS22-4882  
Drawing Number  
L-501  
Issue  
D

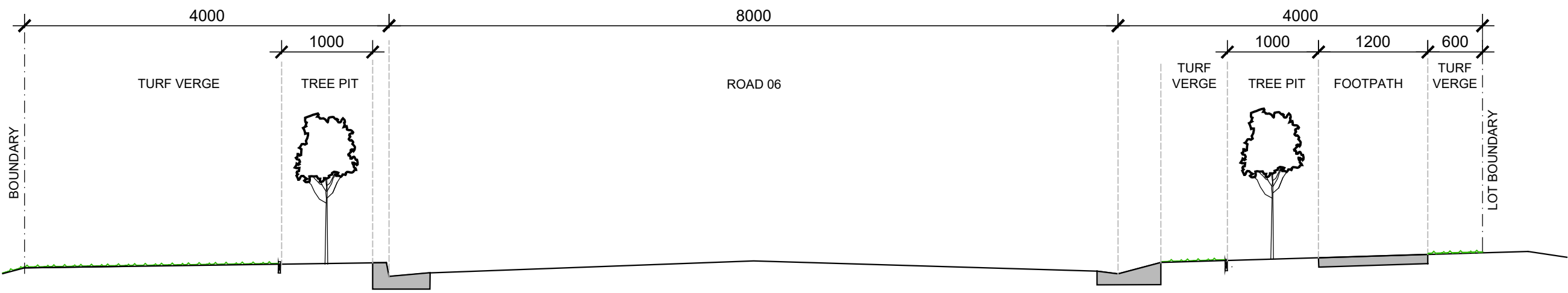




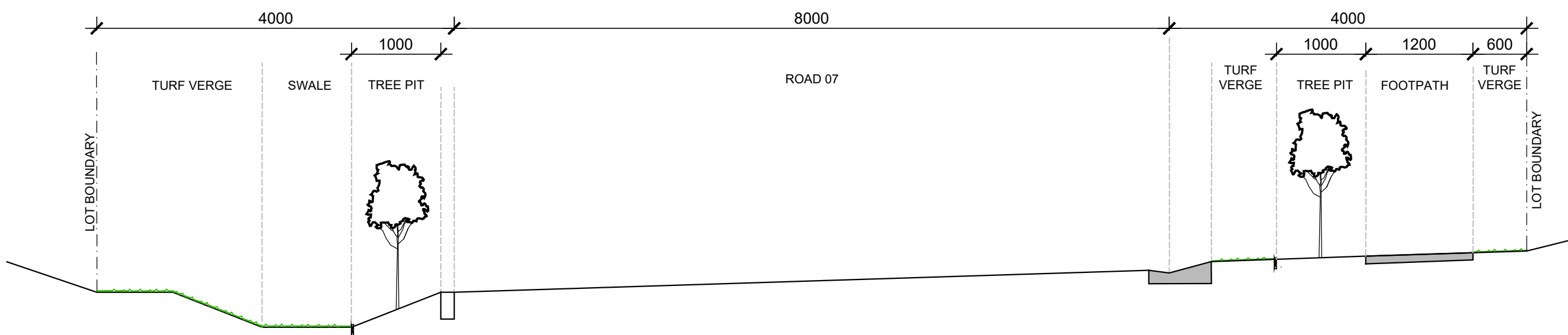
01 Typical Section - Road 1  
L-502 1:50



02 Typical Section - Road 2 & 3  
L-503 1:50



03 Typical Section - Road 6  
L-502 1:50



04 Typical Section - Road 7  
L-502 1:50

NOT FOR CONSTRUCTION

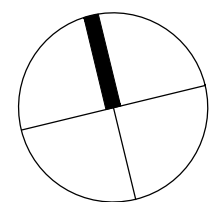
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Legend

Key Plan



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Client  
**Heir Asquith**  
  
Project  
**Inyadda Drive,  
Manyana NSW 2539**

Drawing Name  
**Landscape Typical Road Sections**

DEVELOPMENT APPLICATION

Scale 1:10 @ A1  
Job Number  
**SS22-4882**  
Drawing Number  
**L-502**  
Issue  
**D**

KEY PLAN  
n.t.s.

