

ALSPEC INDUSTRIAL BUSINESS PARK, Orchard Hills, NSW 2748

Landscape Documentation for Industrial Estate Subdivision - Development Application



IMAGE TAKEN FROM NEARMAP 2023

Drawing Register

Dwg No.	Drawing Name
LDA-00	Landscape Cover Sheet
LDA-01	Landscape Masterplan
LDA-01A	Typical Streetscape Layout
LDA-02	Streetscape Detail Plan - Sheet 1
LDA-03	Streetscape Detail Plan - Sheet 2
LDA-04	Streetscape Detail Plan - Sheet 3
LDA-05	Bioretention & Storage Basin Detail Plans
LDA-06	Terrace Wall Plan
LDA-07	Landscape Sections
LDA-08	Landscape Specification & Typical Details
LDA-09	Indicative Planting Schedule & Imagery



SITE PLAN

Drawing Title:
Landscape Cover Sheet
DWG No:
LDA-00

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Architect:
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architecture

Client:
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INDUSTRIAL BUSINESS PARK
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Scale: N.A. Date: 13.02.25 Job Number: 230824 North: 
Revision

Rev	Date	Description	Drawn	Checked
E	18.03.24	FOR DA	KC	BG
F	23.08.24	FOR DA - Updated to Council RFI	PT	BG
G	03.12.24	FOR DA	PT	BG
H	13.02.25	FOR DA	PT	BG

Project: **ALSPEC INDUSTRIAL BUSINESS PARK**
Orchard Hills, NSW 2748

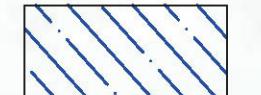
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FOR DEVELOPMENT APPLICATION

LEGEND



STORMWATER IRRIGATION AREAS



HYDROMULCHED NATIVE GRASSES



HAND PLANTED NATIVE GRASSES TO BIORETENTION BASIN

Hatch indicates hydromulched native grasses to stormwater irrigation area. Hydromulched grass species to include Carex appressa, Ficinia nodosa and, Juncus flavidua as recommended by Eco Logical Australia.. All hydromulching installation to be carried out by a specialist contractor.

Proposed Bioretention basin area with planting as specified under Penrith City Council WSUD guidelines. Species to include Ficinia nodosa, Juncus usitatus, Lomandra longifolia etc. **Refer to planting schedule on LDA-08**

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Proposed storage basin area with planting as specified under Penrith City Council WSUD guidelines and species capable of permanent inundation. Species to include Baumea articulata, Bolboscheonus fluvialis etc. **Refer to planting schedule on LDA-08**

Part of separate Patons Lane DA

Proposed bioretention basin area with planting as specified under Penrith City Council WSUD guidelines. Species to include Ficinia nodosa, Juncus usitatus, Lomandra longifolia etc. **Refer to planting schedule on LDA-08**

Proposed storage basin area with planting as specified under Penrith City Council WSUD guidelines and species capable of permanent inundation. Species to include Baumea articulata, Bolboscheonus fluvialis etc. **Refer to planting schedule on LDA-08**

Gap between groups of street trees to allow for future driveways.

Continuous row of street trees planted at 8m centres to consist evergreen and deciduous trees. Street trees to include Koelreuteria paniculata, Quercus palustris and Waterhousea floribunda.

Proposed storage basin area with planting as specified under Penrith City Council WSUD guidelines and species capable of permanent inundation. Species to include Baumea articulata, Bolboscheonus fluvialis etc. **Refer to planting schedule on LDA-08**

Gap between groups of street trees to allow for future driveways.



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Drawing Title:

Landscape Masterplan

DWG No:

LDA-01

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1:3000 @ A1
1:6000 @ A3

Date:

13.02.25

Job Number:

230824

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Revision

Rev

Date

Description

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E

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23.08.24

FOR DA - Updated to Council RFI

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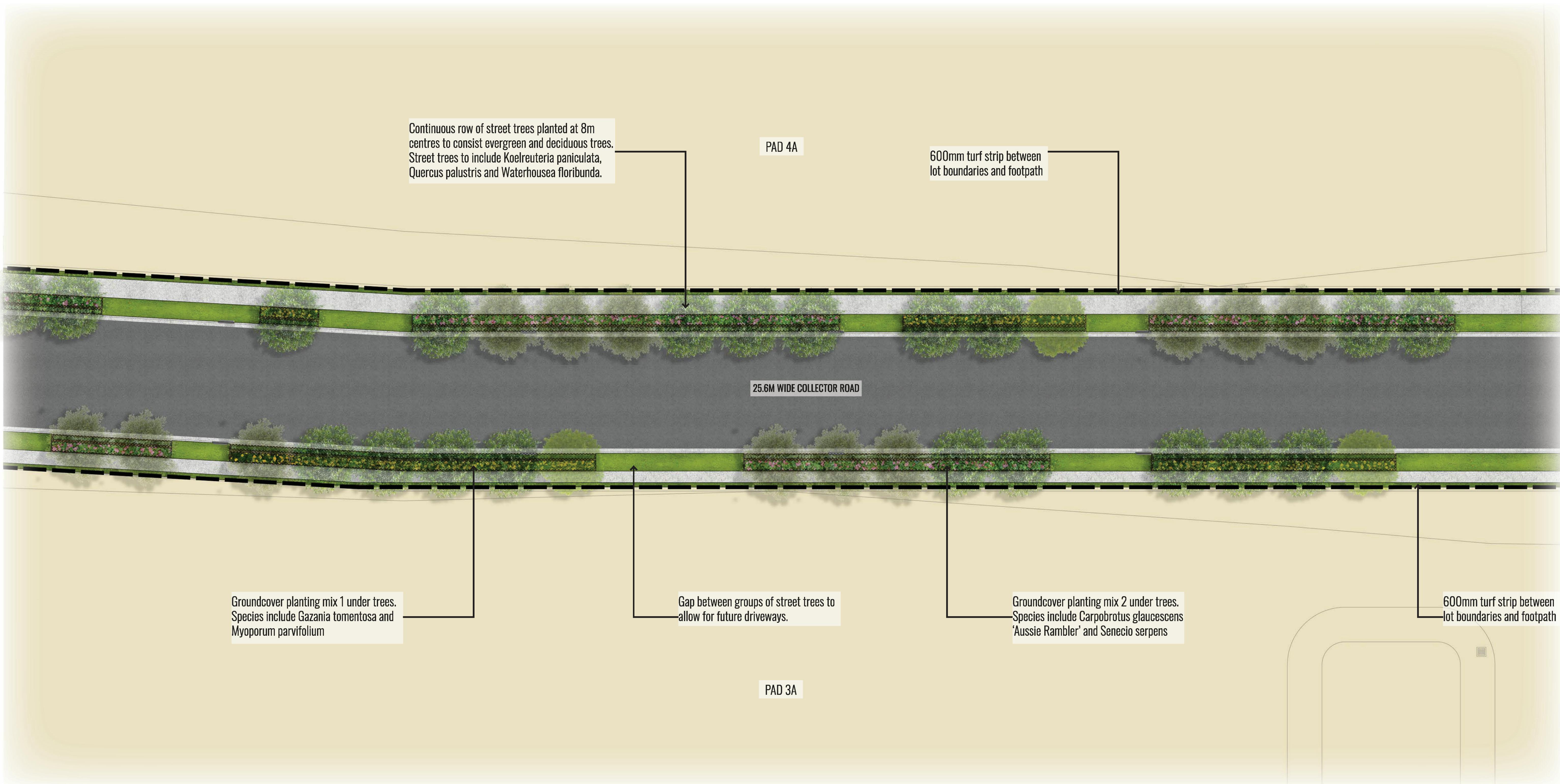
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Drawing Title:

Typical Streetscape Layout

DWG No:

LDA-01A

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13.02.25 230824

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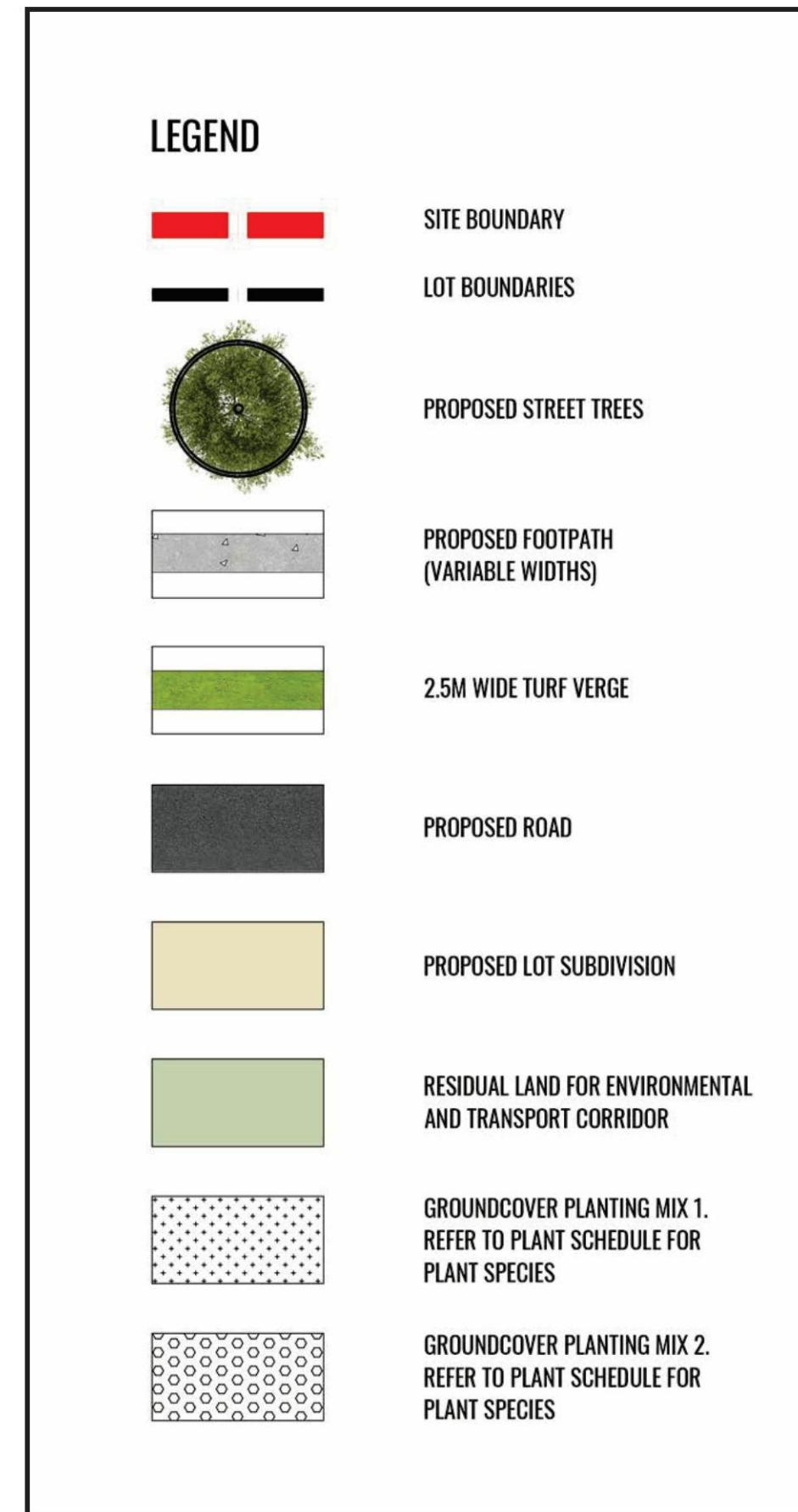
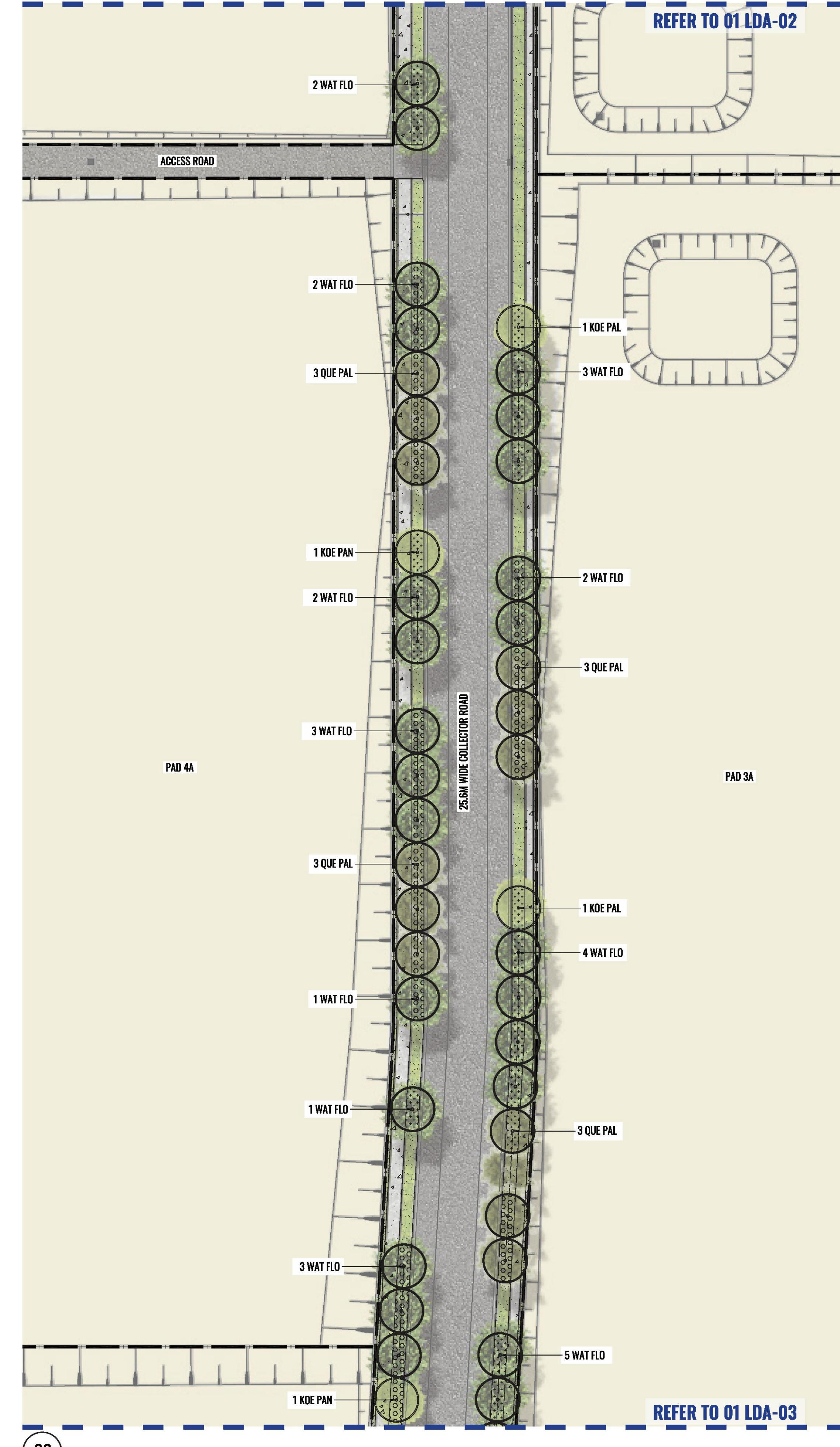
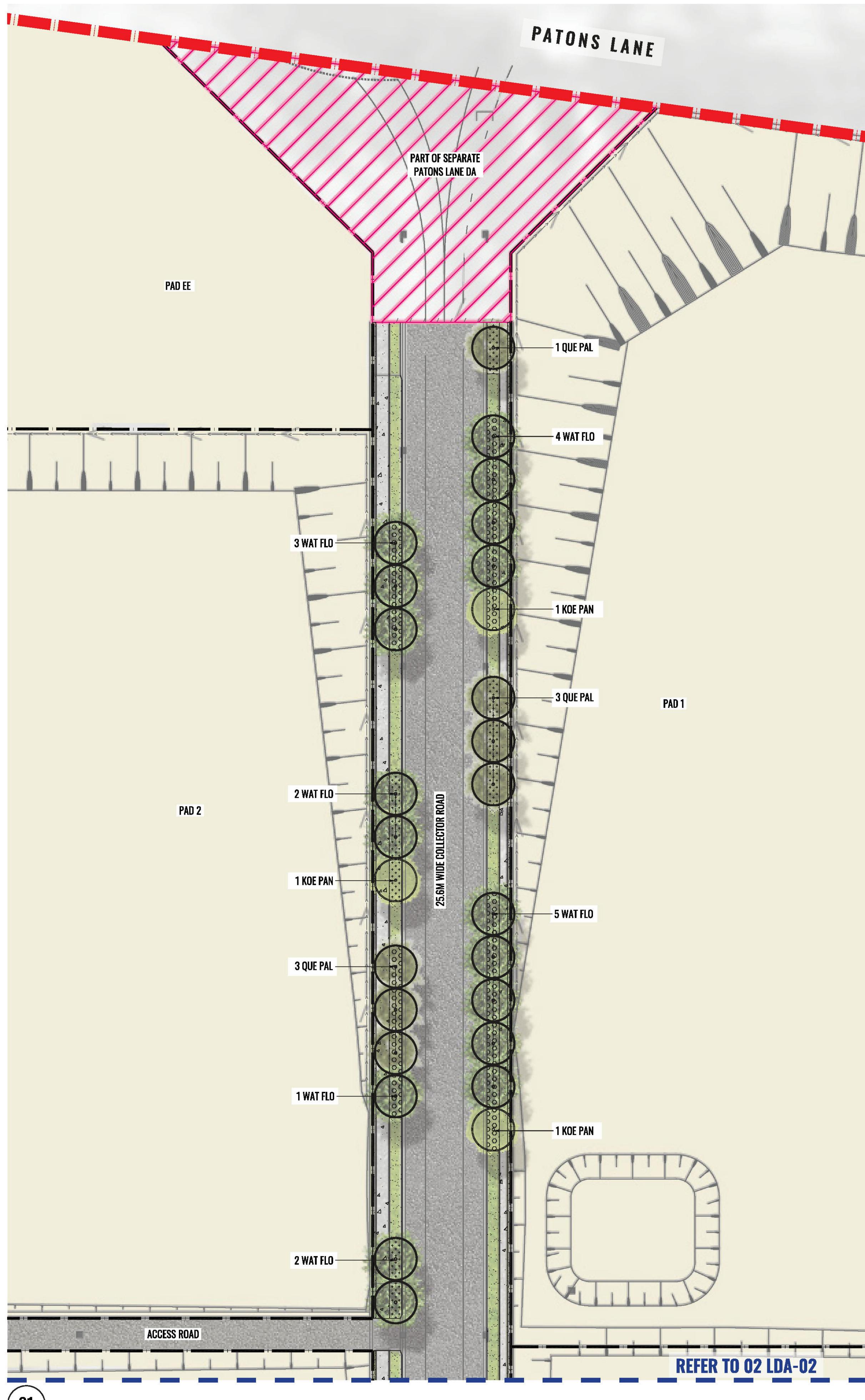
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Revision

Rev Date Description Drawn Checked

FOR DEVELOPMENT APPLICATION			
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Drawing Title:

Streetscape Detail Plan - Sheet 1

DWG No:

LDA-02

GEO SCAPES

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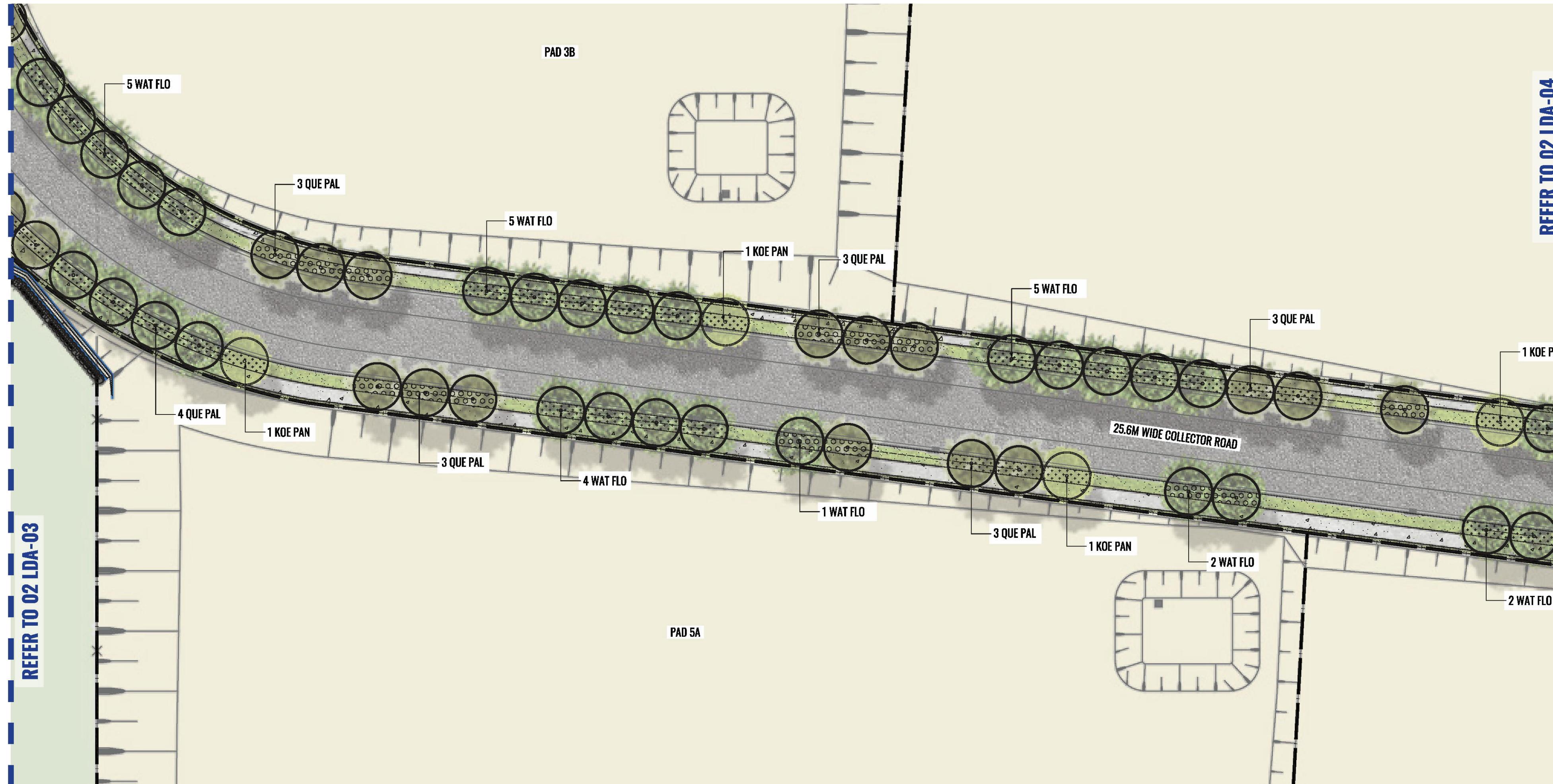
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INDUSTRIAL BUSINESS PARTNERS

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Project:	ALSPEC INDUSTRIAL BUSINESS PARK Orchard Hills, NSW 2748					F	23.08.24 FOR DA - Updated to Council RFI	PT	BG
				G	03.12.24 FOR DA	PT	BG		
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REFER TO 02 LDA-04



Drawing Title:
Streetscape Detail Plan - Sheet 3
DWG No:

LDA-04

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H	13.02.25		FOR DA	PT	BG

Scale: 1:500 @ A1
1:1000 @ A3
Date: 13.02.25
Job Number: 230824
North: NTS
Project: ALSPEC INDUSTRIAL BUSINESS PARK
Orchard Hills, NSW 2748



KEY PLAN

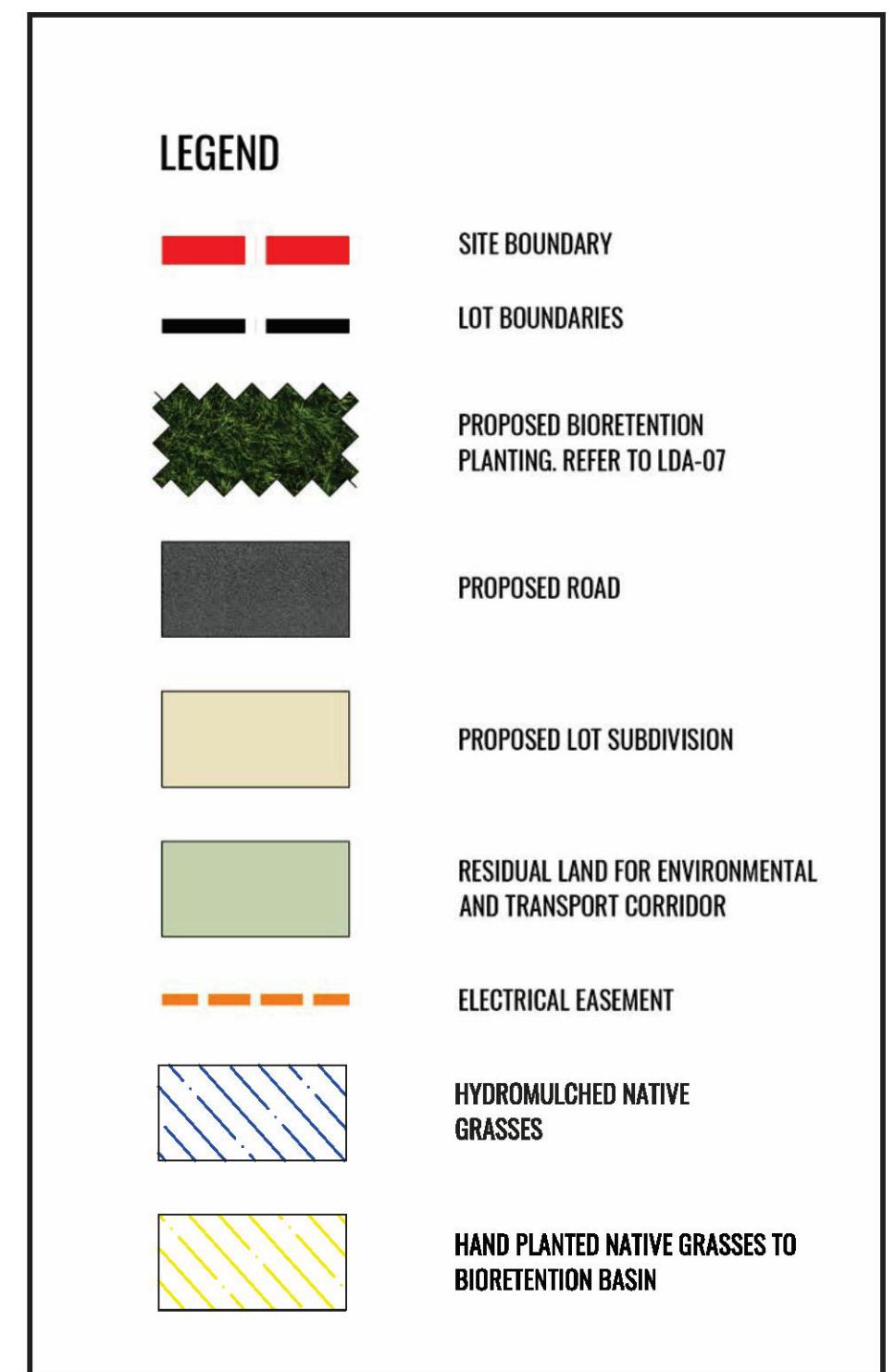
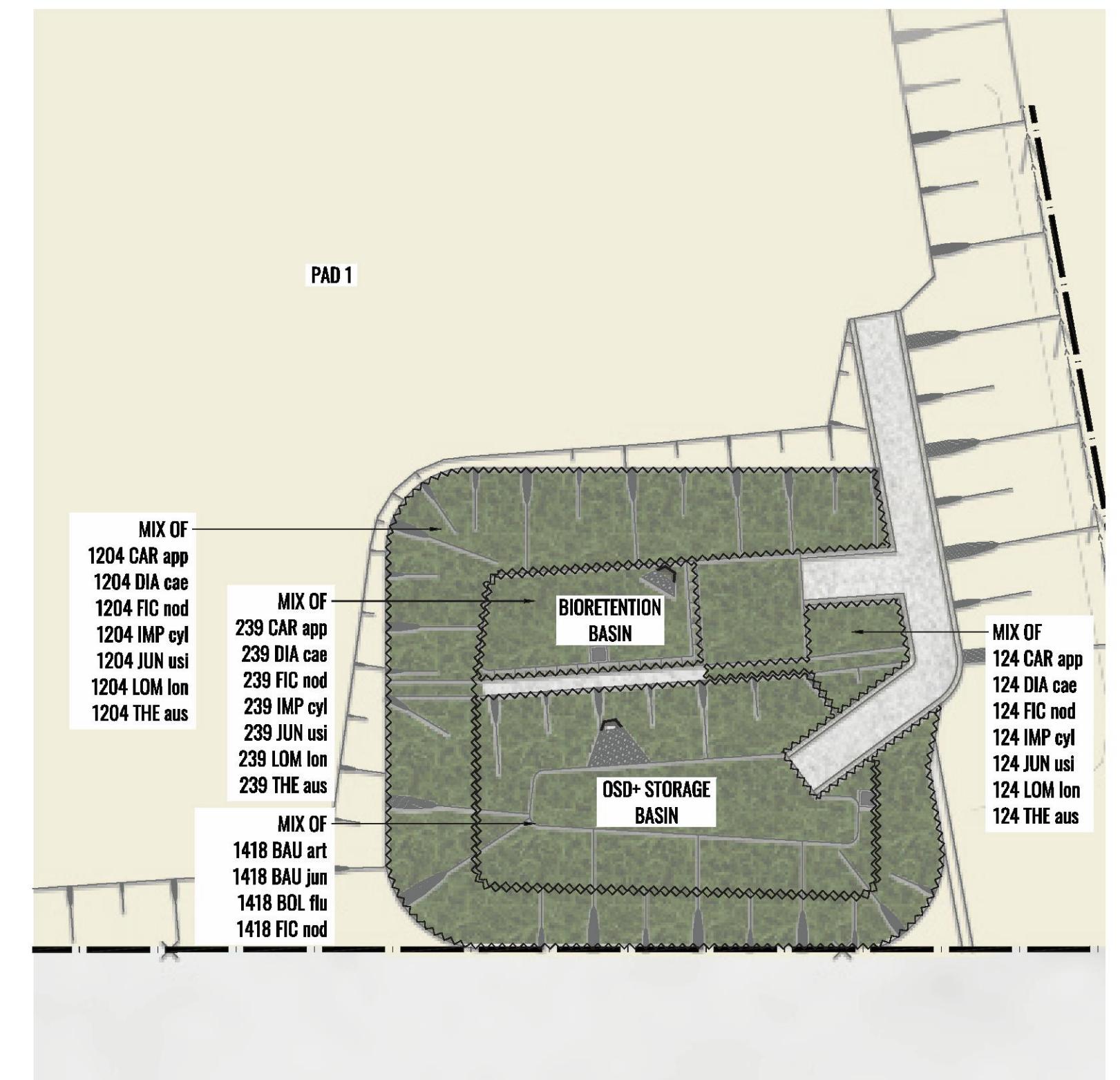
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05

REFER TO 02 LDA-03

REFER TO 01 LDA-04



Drawing Title:

Bioretention & Storage Basin Detail Plans

LDA-05

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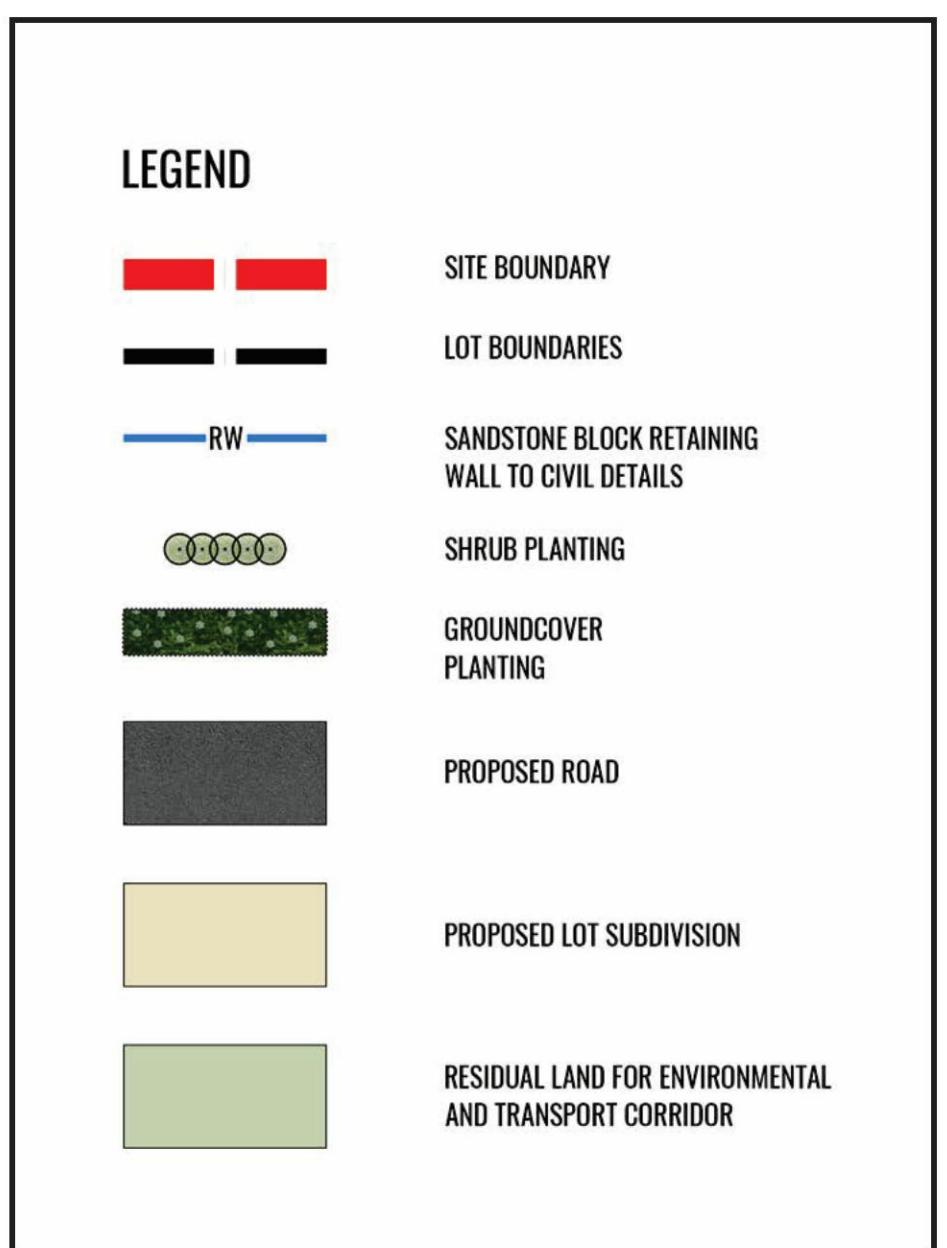
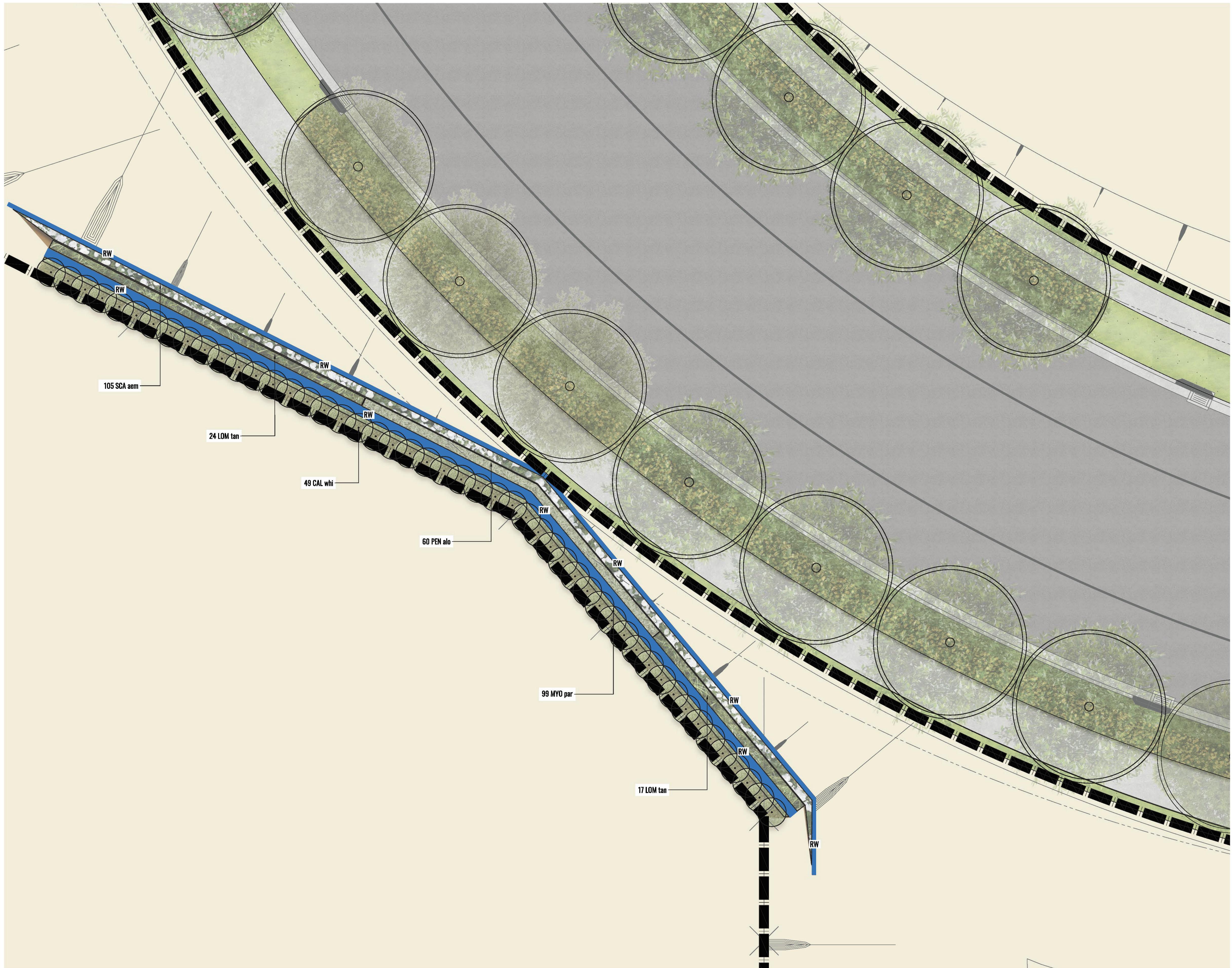
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KEY PLAN
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Drawing Title:
Terrace Wall Plan
DWG No:

LDA-06

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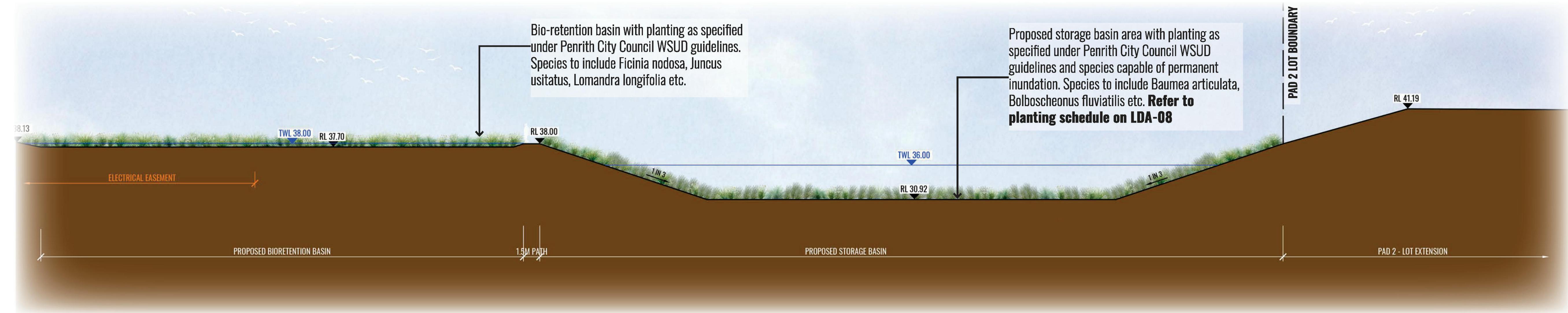
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Date: 13.02.25 Job Number: 230824

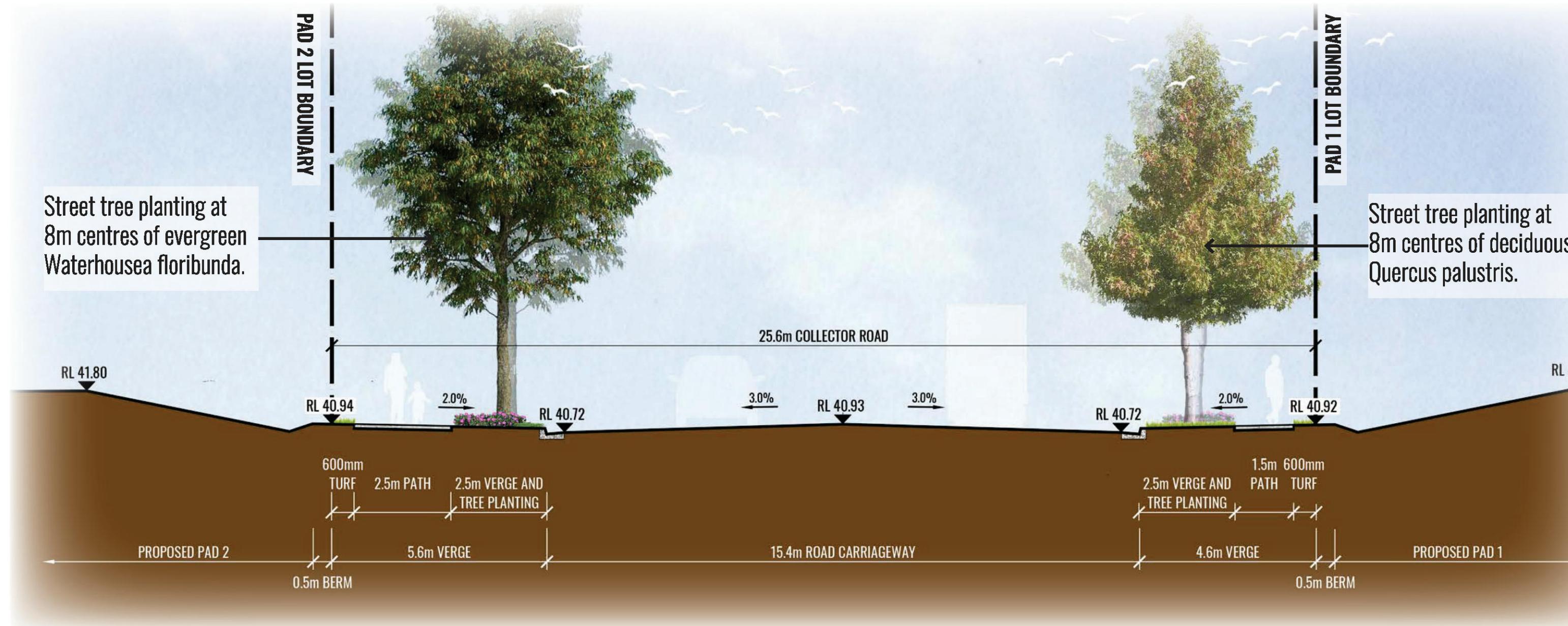
Project: **ALSPEC INDUSTRIAL BUSINESS PARK**

North:

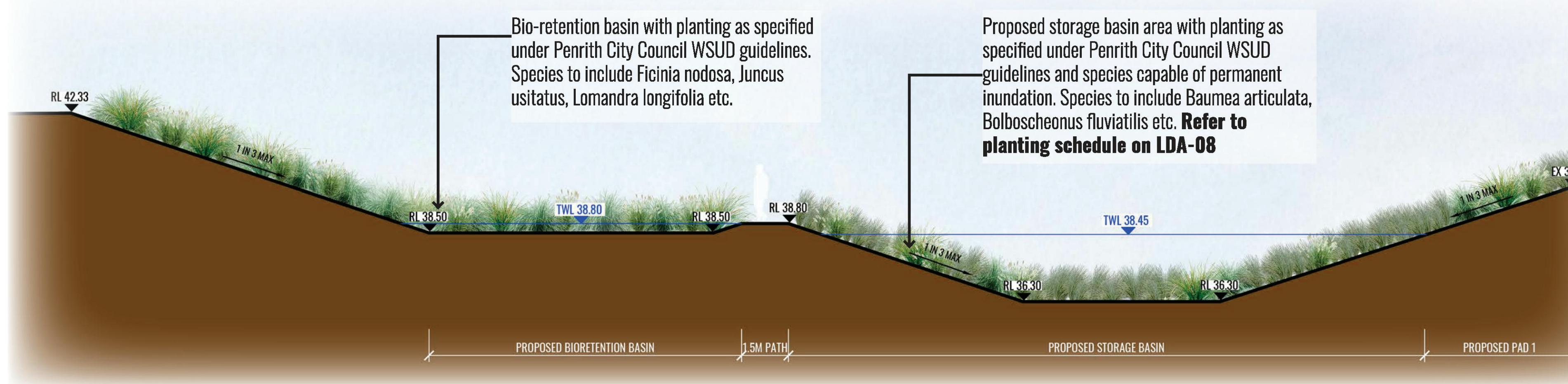
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01 SECTION AA - BIORETENTION BASIN & STORAGE BASIN
SCALE 1:200



02 SECTION BB - COLLECTOR ROAD
SCALE 1:100



04 SECTION DD - BIORETENTION BASIN & STORAGE BASIN AT PAD 1
SCALE 1:100



Drawing Title:
Landscape Sections
DWG No:

LDA-07

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AS SHOWN @ A1	13.02.25	230824	N.A.	E	18.03.24	FOR DA
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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. 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.

Watering

Implement an appropriate hand watering regime 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.

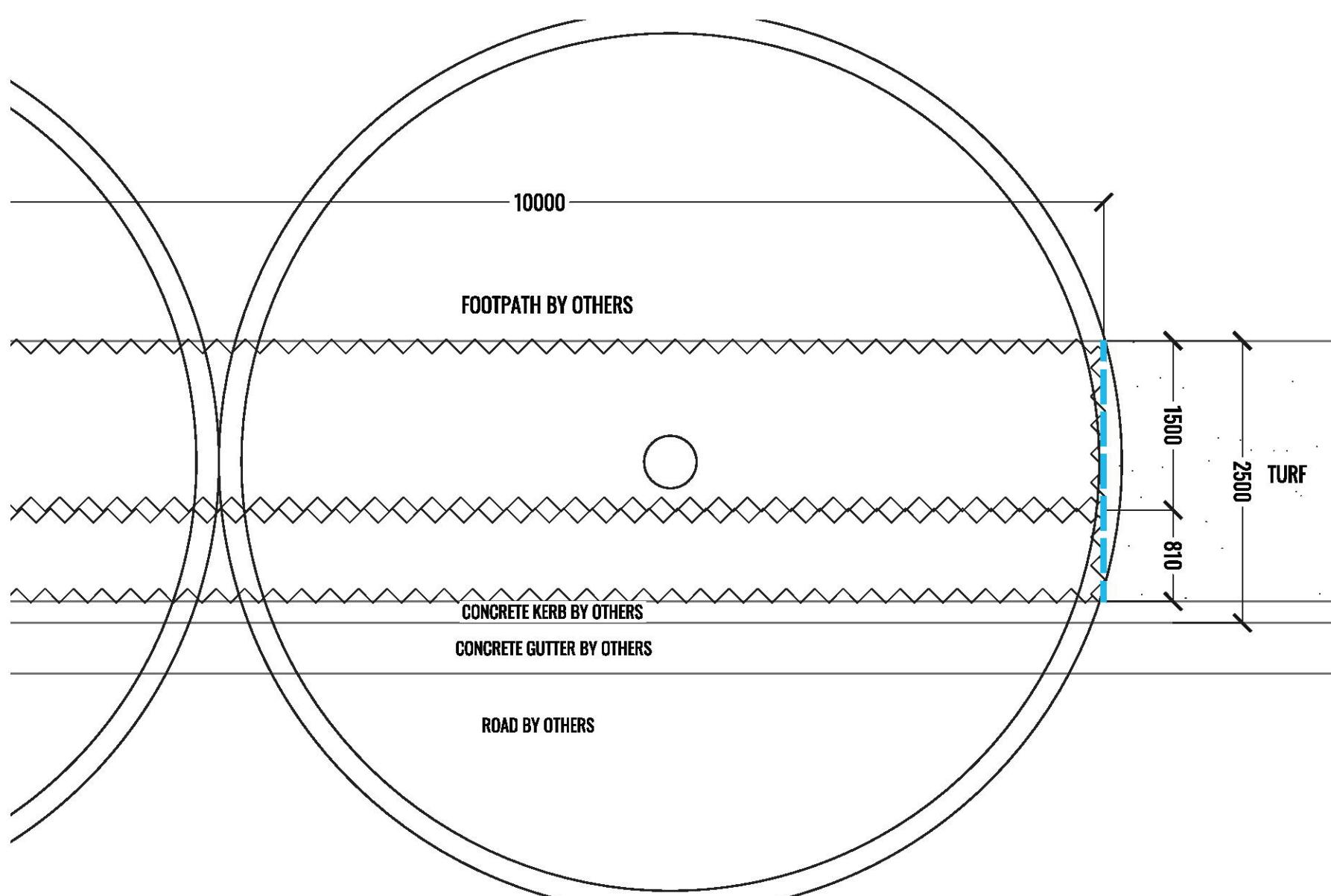
Frequency: weekly inspection

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.

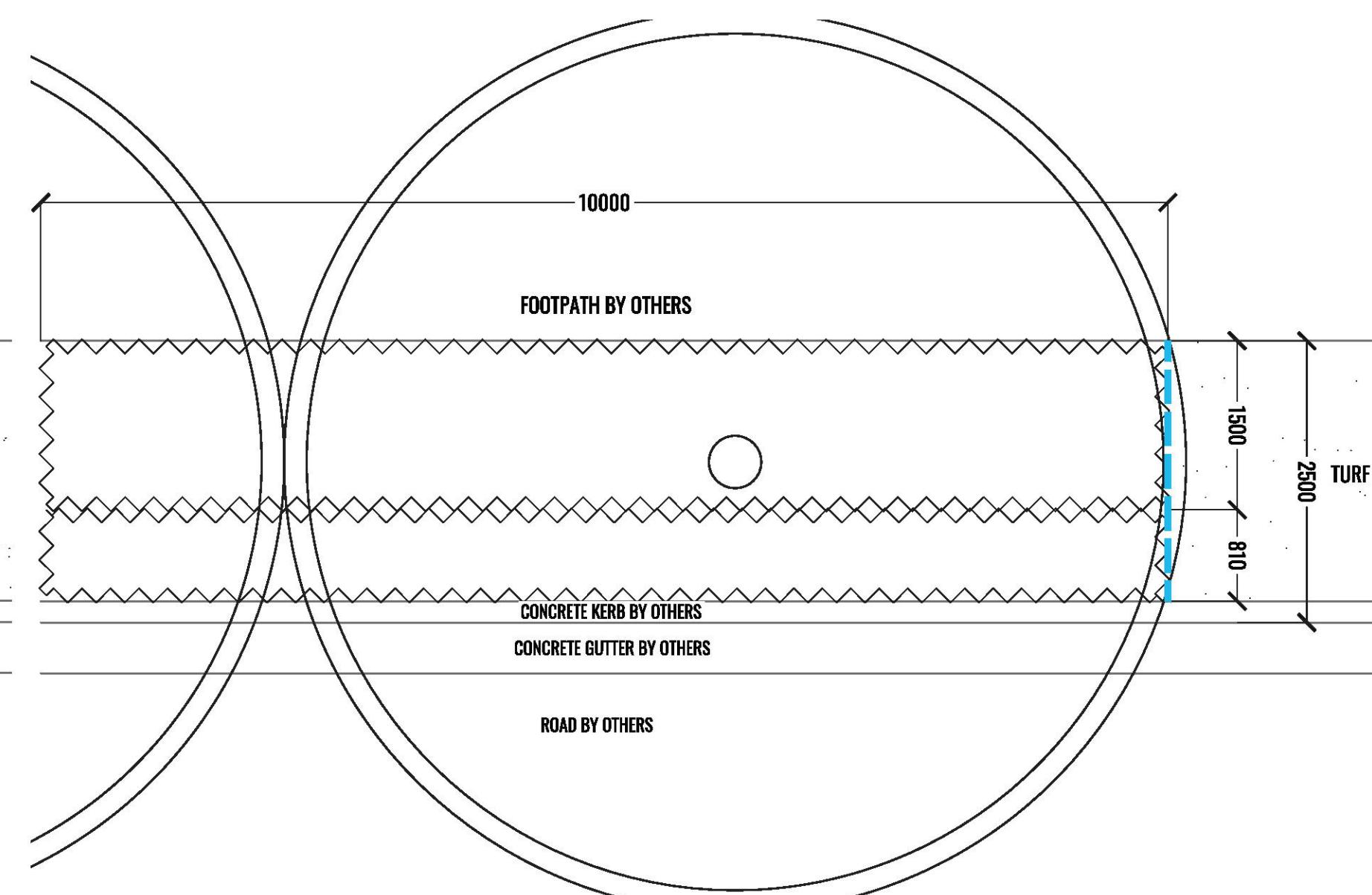
Standards

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 Haeghe 2017).



4 MATRIX 1 TYPICAL DETAIL

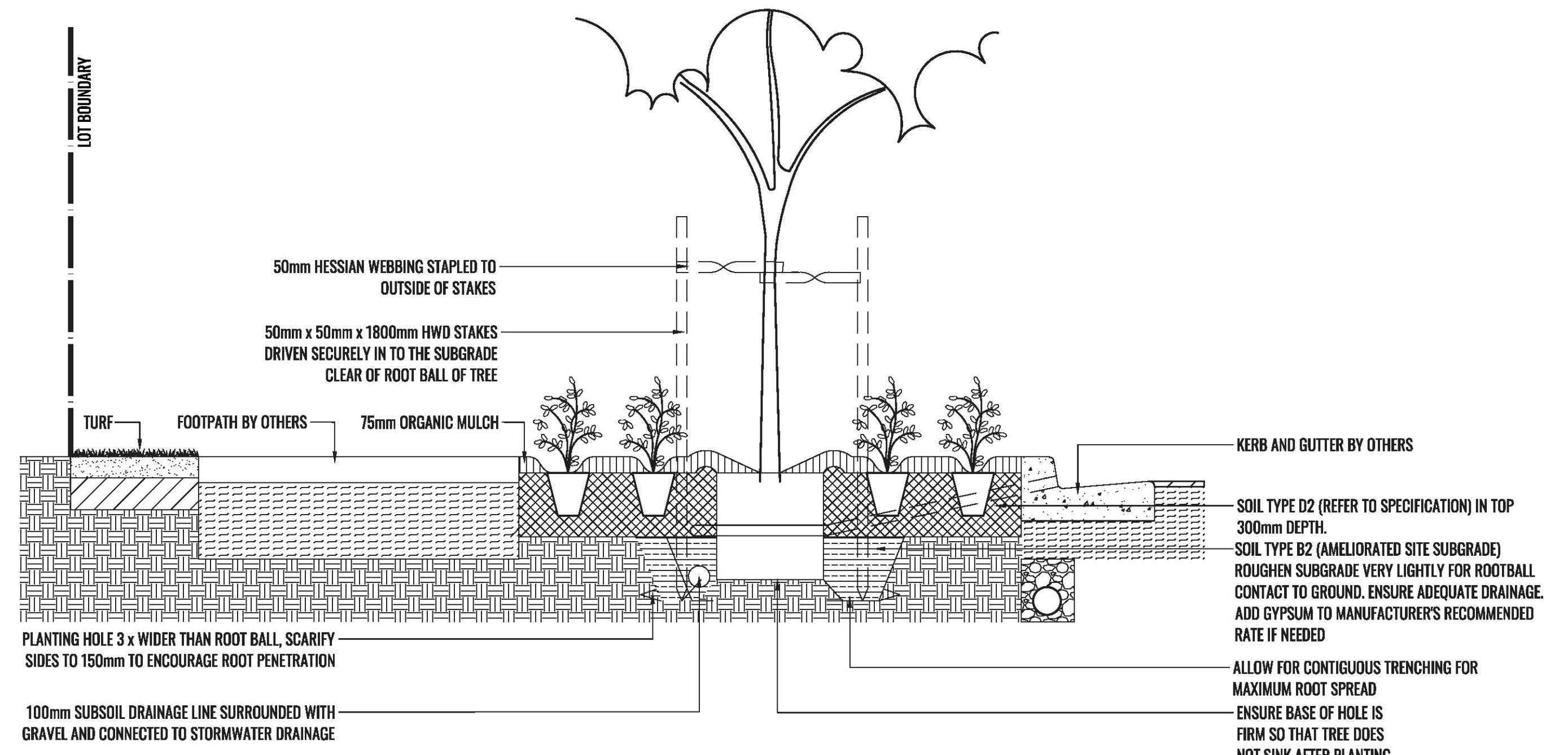
TYPICAL SECTION SCALE 1:50



5 MATRIX 2 TYPICAL DETAIL

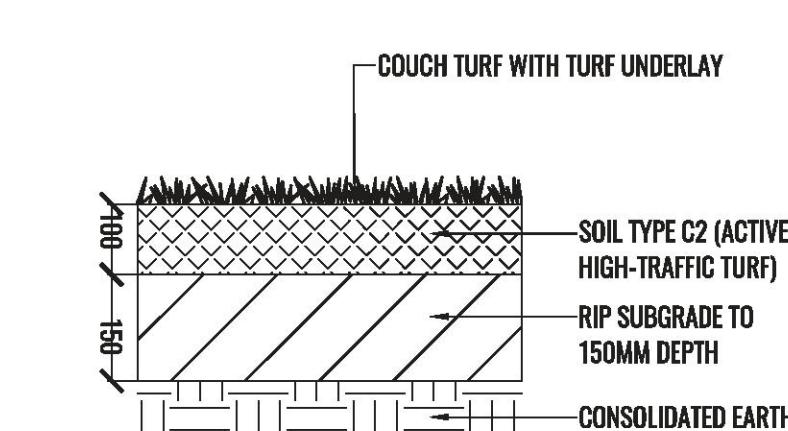
TYPICAL SECTION SCALE 1:50

TYPICAL LANDSCAPE DETAILS



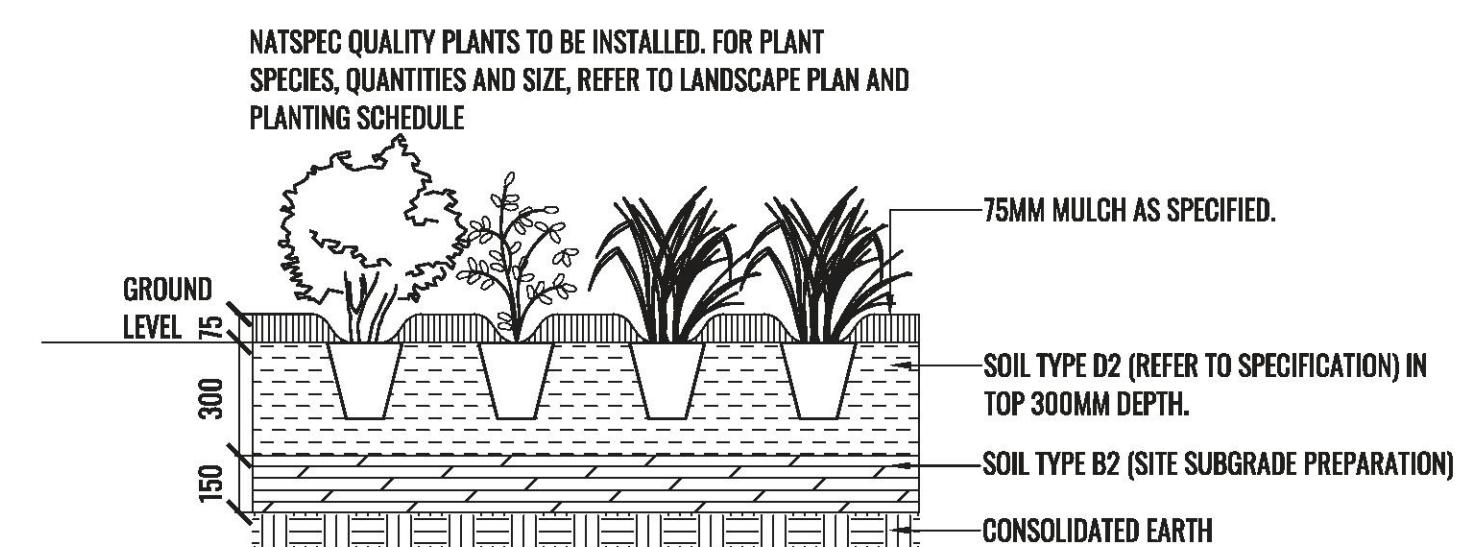
1 TYPICAL STREET TREE PLANTING WITH GROUNDCOVERS IN VERGE DETAIL

SCALE 1:20



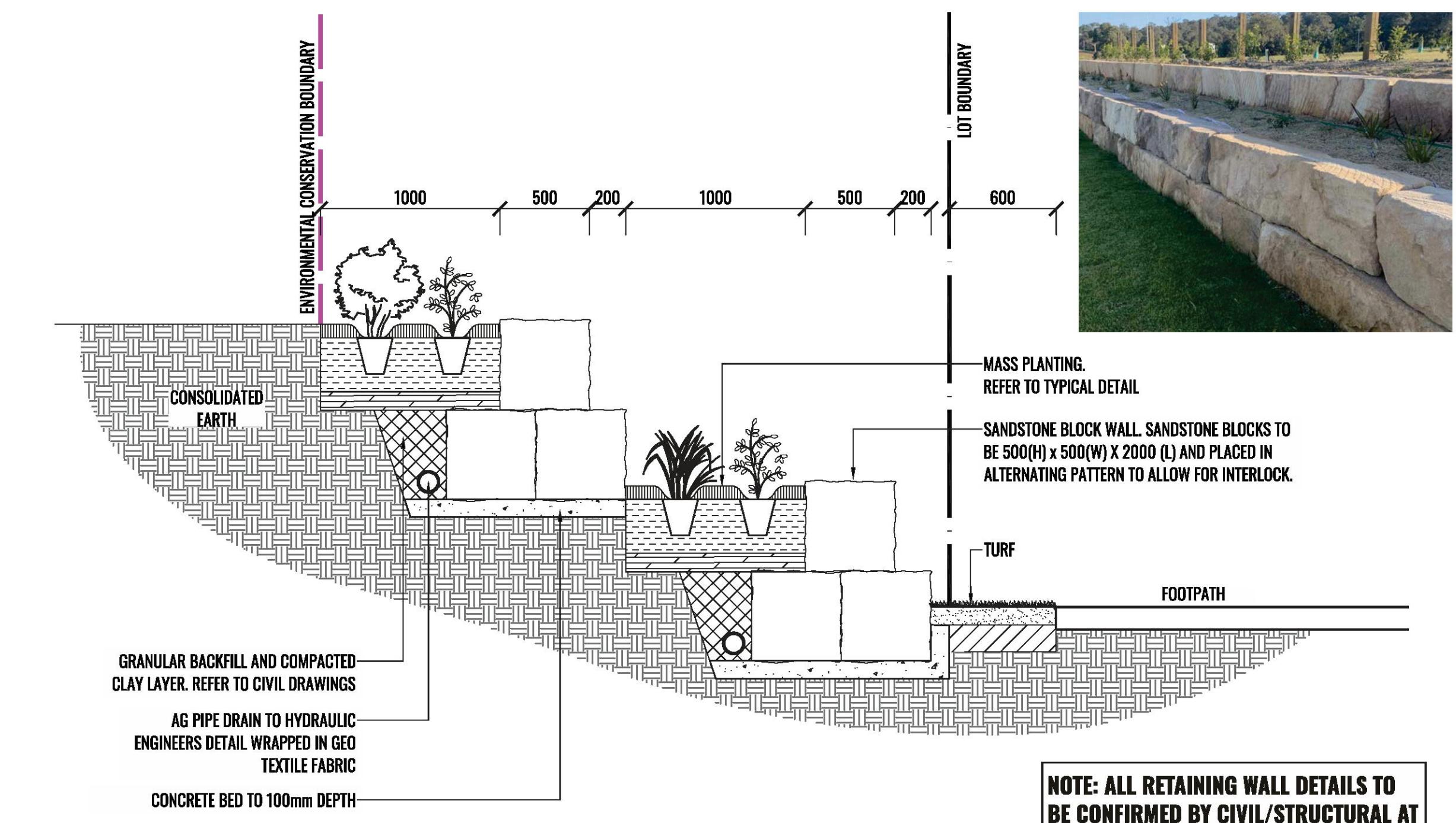
2 TYPICAL TURF DETAIL

TYPICAL SECTION SCALE 1:10



3 TYPICAL MASS PLANTING DETAIL

TYPICAL SECTION SCALE 1:20



6 TYPICAL TERRACED SANDSTONE BLOCK WALL DETAIL

TYPICAL SECTION SCALE 1:25



NOTE: ALL RETAINING WALL DETAILS TO BE CONFIRMED BY CIVIL/STRUCTURAL AT CONSTRUCTION

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Drawing Title:

Landscape Specification

DWG No:

LDA-08

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AS SHOWN @ A1

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PLANTING SCHEDULES

Streetscape Planting Schedule						
Code	Botanical Name	Common Name	Mature Height	Spacing	Pot Size	Quantity*
Street Trees						
KOE PAN	<i>Koelreuteria paniculata</i>	Golden Rain Tree	6m	As shown	100L	15
QUE PAL	<i>Quercus palustris</i>	Swamp Spanish Oak	8-14m	As shown	100L	88
WAT FLO	<i>Waterhousea floribunda</i>	Weeping Lilly Pilly	10-15m	As shown	100L	142
Groundcover Planting Schedule						
Code	Botanical Name	Common Name	Mature Height	Spacing	Pot Size	Quantity*
Groundcovers						
CAR gta	<i>Carpobrotus glaucescens 'Aussie Rambler'</i>	Pigface	0.2m	3m2	140mm	3893
GAZ torn	<i>Gazania tormentosa</i>	Silver Gazania	0.3m	3m2	140mm	4185
MYO par	<i>Myoporum parvifolium 'Yareena'</i>	Creeping Boobialla	0.1m	2/Lm	140mm	1860
SEN ser	<i>Senecio serpens</i>	Blue Chalksticks	0.2m	2/Lm	140mm	1730
Bioretention Basin + Storage Basin Planting Schedule						
Code	Botanical Name	Common Name	Mature Height	Spacing	Pot Size	Quantity*
Groundcovers						
BAU art	<i>Baumea articulata</i>	Joined Twig Rush	1.5m - 2.5m	8m2	Tubestock	13556
BAU jun	<i>Baumea juncea</i>	Bare Twig Rush	1.0m	8m2	Tubestock	13556
BOL flu	<i>Bolboscheonous fluvialis</i>	Marsh Club Rush	1.0m - 1.8m	8m2	Tubestock	13556
CAR app	<i>Carex appressa</i>	Tussock Sedge	1.0m	8m2	Tubestock	12671
DIA cae	<i>Dianella caerulea</i>	Blue Flax Lily	0.7m	8m2	Tubestock	12671
FIC nod	<i>Ficinia nodosa</i>	Knobby Club-Rush	1.2m	8m2	Tubestock	26227
IMP cyl	<i>Imperata cylindrica</i>	Blady Grass	1.0m	8m2	Tubestock	12671
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	8m2	Tubestock	12671
LOM lon	<i>Lomandra longifolia</i>	Mat Rush	1.0m	8m2	Tubestock	12671
THE aus	<i>Themeda australis</i>	Kangaroo Grass	1.5m	8m2	Tubestock	12671
Terrace Walls Planting Schedule						
Code	Botanical Name	Common Name	Mature Height	Spacing	Pot Size	Quantity*
Shrubs						
CAL whi	<i>Callistemon citrinus 'White Anzac'</i>	White Anzac	1.5m	As Shown	140mm	46
Groundcovers						
LOM tan	<i>Lomandra Tanika'</i>	Mat Rush	0.6m	3/m2	140mm	41
MYO par	<i>Myoporum parvifolium 'Yareena'</i>	Creeping Boobialla	0.1m	2/Lm	140mm	99
PEN alo	<i>Pennisetum alopecuroides 'PAV300'</i>	Pennstripe™ Fountain Grass	0.45m	3/Lm	140mm	60
SCA aem	<i>Scaevola aemula 'Fairy White'</i>	White Fan Flower	0.3m	2/Lm	140mm	105
Hydromulch Planting Schedule						
Code	Botanical Name	Common Name	Mature Height			
Groundcovers						
CAR app	<i>Carex appressa</i>	Tussock Sedge	1.0m			
FIC nod	<i>Ficinia nodosa</i>	Knobby Club-Rush	1.2m			
JUN fla	<i>Juncus flavidus</i>	Yellow Rush	1.0m			

* Final plant quantities to be confirmed at CC/Tender stage

STREET PLANT IMAGES



A. Gazania tormentosa B. Carpobrotus glaucescens 'Aussie Rambler' C. Senecio serpens D. Waterhousea floribunda

BIORETENTION BASIN & STORAGE BASIN PLANT IMAGES



A. Lomandra longifolia B. Carex appressa C. Dianella caerulea D. Themeda australis E. Imperata cylindrica F. Ficinia nodosa G. Baumea articulata H. Juncus usitatus

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Drawing Title:
Indicative Planting Schedule & Imagery
DWG No:

LDA-09

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