

Oakdale West Estate Landscape Package June 2019 - Issue H





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On-Lot Landscape Works | Precinct 1

Number	Drawing Title		
OLW-001	Precinct 1 Landscape Plan		
OLW-501	Precinct 1 Planting Palette		
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Oakdale West Estate Landscape Concept Master Plan September 2018





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Introduction

The Oakdale West Estate (OWE) in landscape design terms, aim to follow the two other estates completed/completing by Goodman. Both Oakdale Central and Oakdale South have created and created positive landscape outcomes, from ecological, aesthetic and functional points of view.

OWE landscape design aims to build on this by addressing the following including but not limited to:

- Integration into existing vegetation, not just areas with high ecological value.
- Take into consideration current adjacent land users, and aid in ameliorating views into the site, by the way of quality native vegetative buffer
- Provide sustainable, Estate Landscape such as street trees,
- Ensure quality, on lot landscaping is achieved creating amenity for future workers, visitors to the estate.
- Generally, complement built forms, and natural systems to create an overall attractive, sustainable, and desirable landscape outcome.

Keyplan





















Landscape Concept Master Plan



















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Vegetation Typologies





Typology 1-A Streetscape

Refer to Street Tree Masterplan. LC-008





Typology 1-B Streetscape

Streetscape landscaping in SLR road reserve - By others





Typology 2 Bioretention / **Detention Basins**

Species in accordance with Penrith City Council WSUD Guidelines.





Typology 3 Biodiversity Offset Area

Rehabilitation of



Cumberland Plain Woodland



Typology 4 On Lot Landscaping

Presentational landscaping, softening of built form and amenity creation



Typology 5
Existing
Vegetation

Existing vegetation retained and managed by Transgrid



Typology 6
Boundary Buffer Planting

A mix of native shrubs grasses and trees to mitigate visual impact.



Typology 7 -A Sprayseed

Couch grass seeding or similar





Couch grass seeding or similar with geotextile stabilisation



Typology 8 Existing Vegetation

Existing vegetation to be retained.



Plant species, quantities, size and arrangement subject to design development and Penrith City Council requirements





Prepared by:







Site Image Job Number SS15-3113

Date Drawing Number

19.06.2019 LC-005

Vegetation Typologies Indicative Species List and Reference Table



Typology 1 Streetscape

Refer to Street Tree Masterplan.

Type - A

Road 01, 06 and WNSLR East Side of road

Corymbia maculata Road 02 & 05

Eucalyptus crebra Road 03

Angophora subvelutina

Road 04

Eucalyptus molucanna Road 07

Eucalyptus crebra

Road 08 Acacia falcata

Type - B

Refer to Street Tree Masterplan. Copse detail, Myoporum

Typology 2

Basins

Indicative Plant List

Basin Matrix Planting: Imperata cylindrica Juncus usitatus

Carex appressa

Typology 3

Biodiversity Offset Area

Typology 4 On Lot Landscaping

Indicative Plant List

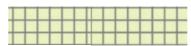
Trees:

Cupaniopsis anacardioides

Shrubs & Accents: Acmena smithii var. minor Callistemon 'Endevour' Westringia fruticosa

Grasses:

Dianella 'Breeze' Lomandra longifolia Gazania tomentosa

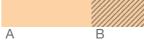


Typology 5

Existing Managed Grasses

Typology 6

Boundary Buffer Planting



Typology 7

Spray Seed

Typology 8 **Existing Vegetation**

Type A -Couch Spray Seed grass or similar

Type B - Couch Spray Seed grass or similar with geotextile embankment stabilisation for additional erosion control (within NSW water easement)

Streetscape landscaping in SLR road reserve - By others

parvifolium planting to base.

Native grass planting to base of Rehabilitated plant communities

- River-flat Eucalypt Forest
- Cumberland Plain

of this typology.

Presentational landscaping, softening of built form and amenity creation

Existing vegetation maintained under powerline easement.

trees to mitigate visual impact

Existing vegetation to be retained.

Typology 3 may be included as part of this typology.





basin spray seed to inward batter.



Typology 8 may be included as part











Plant species, quantities, size and arrangement subject to design development and Penrith City Council requirements

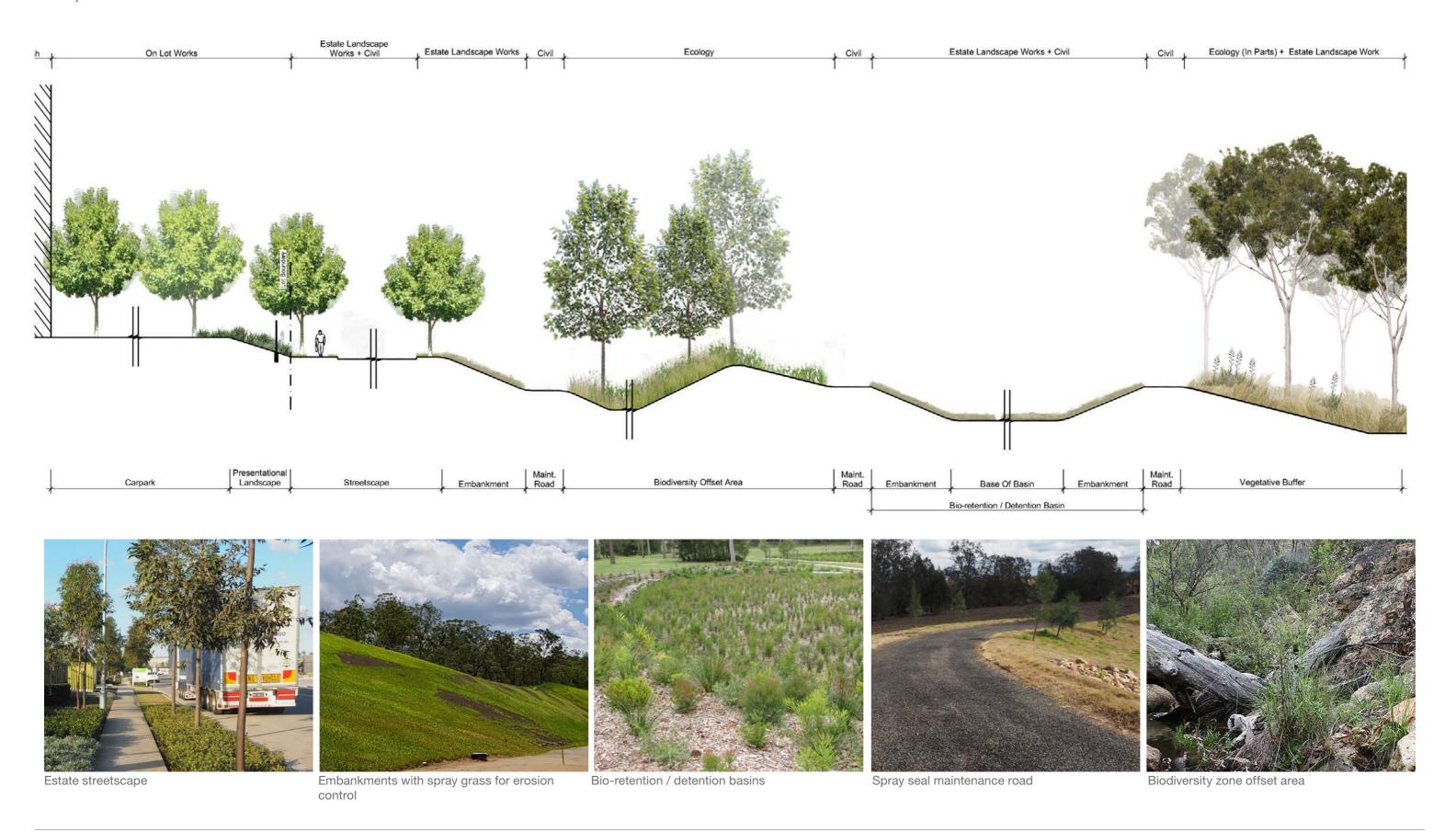


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Typical Landscape Site Section

This section has been produced to graphically demonstrate the interfaces and relationship of intended landscape treatments across the subject site.





Street Tree Master Plan

type of species per street.

A selection of Street Trees has been proposed across the OWE based on endemic species found on the site and surrounding area.

The use of native street trees has the basic and fundamental functions of:

Aid in ecology of the site, by increasing endemic tree planting of varying qualities i.e. size, habit, ecological benefit to various fauna

Create legibility and character throughout the site by using one

2B

2E

Provide shade, particularly in hot, dry months

Trees shall be arranged in 'copses' or groups - inspired by the natural landscape 'grouping' of trees. The move away from traditional singular spaced plantings has been implemented in recent Oakdale Developments (Central and South) to great success. All trees copses shall be planted with native Myoporum parvifolium to create a low maintenance, drought tolerant 'carpet' which shall

1C

3C

act as a natural mulch and erosion control.

Each copse bay shall be around 20m containing 6 trees planted in an organic arrangement i.e. irregular spacing. Refer to ELW_501.

Road 01, 06 and WNSLR east side of road Corymbia maculata Spotted Gum 30m (h) x 8m (w)



Road 02 & 05 Eucalyptus crebra Narrow-leafed Ironbark 15m (h) x 6m (w)



Road 03 Angophora subvelutina Broad-leafed Apple 18m (h) x 8m (w)



Road 04 Eucalyptus moluccana Grev Box 25m (h) x 6m (w)



Road 07 Eucalyptus crebra Narrow-leafed Ironbark 15m (h) x 6m (w)



IIIIIIIIIII Road 08 Acacia falcata Sickle-leaved Wattle 4m (h) x 2.5m (w)



Plant species, quantities, size and arrangement subject to design development.



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3B

3D

19.06.2019

1B

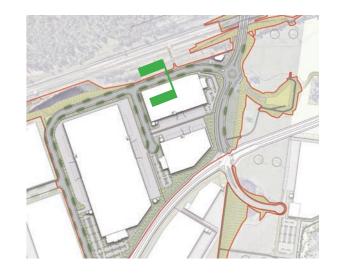
4C

4E

Streetscape Typical Detail

Proposed trees flanking both side of all proposed streets. Grass verge shall separate 'copse' street tree planting, based with Myoporum parvifolium planting.







Copses of street trees



Myoporum parvifolium to base of trees



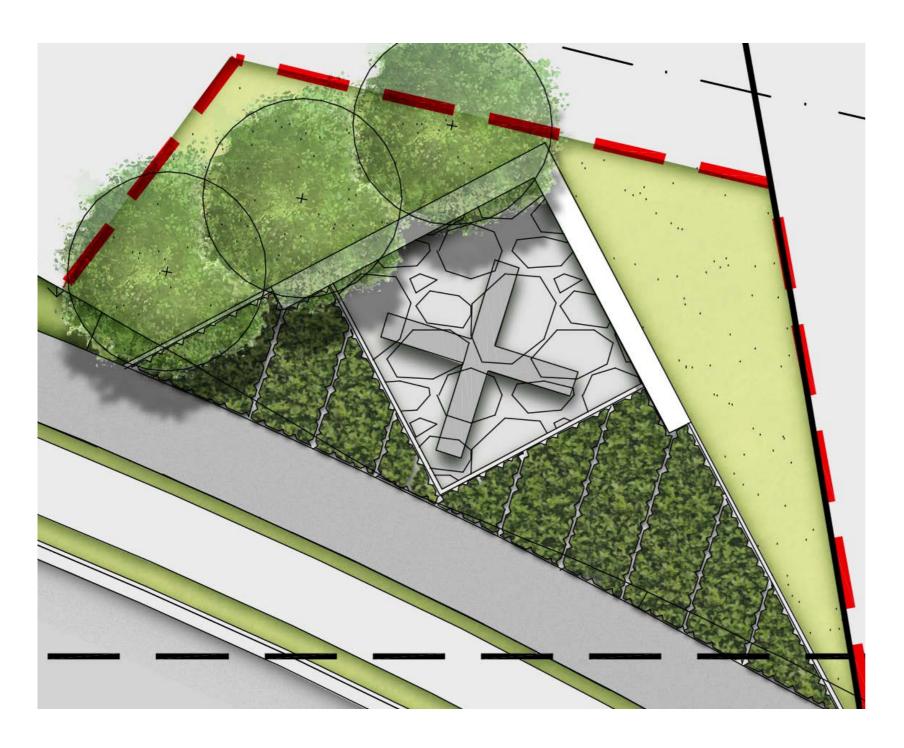


Signage Landscape Treatment

OWE shall consist of a hierarchy of signage and wayfinding. All landscape design shall be coordinated to ensure a strong coordinated approach.

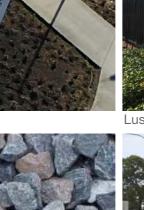
Larger entry signs will be further enhances by feature tree, shrub and groundcover planting. Hardscape elements such as ballast and wall may also be included to 'ground' signage and create a visual platform.







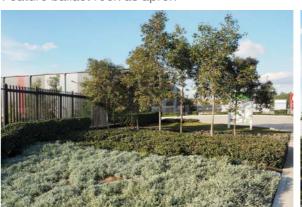








Feature ballast rock as apron



Landscape banding



Signage set within landscape



Feature native deciduous trees as backdrop





Boundary Landscape Treatment Key Plan













Western Boundary Treatment

The Western Boundary interfaces with both an existing college and retirement village (Emmaus Catholic College and Emmaus Retirement Village), making the landscape buffer treatment an important factor in maintaining quality view catchments into the subject site, in the way of screening with a deep

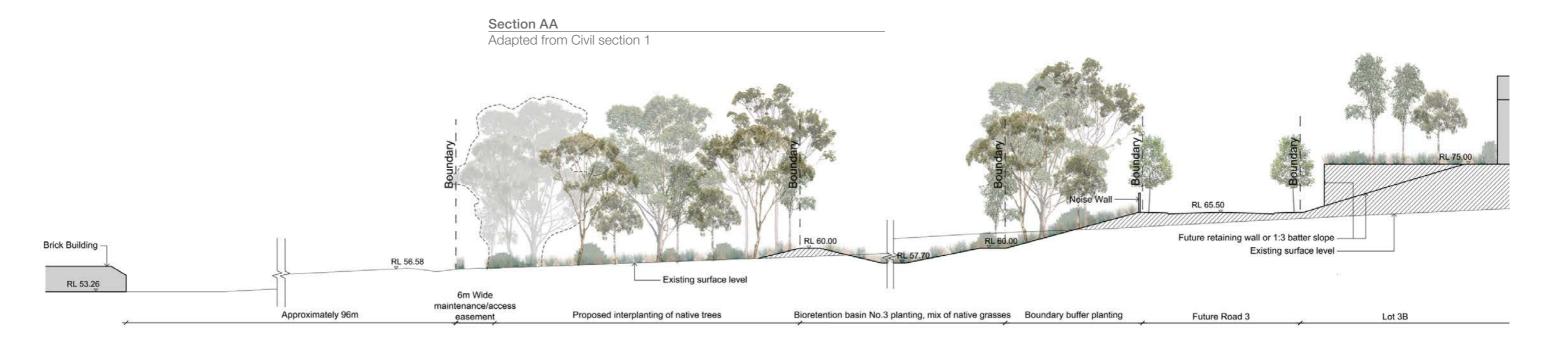
The accompanying plans and sections demonstrate the proposed landscape at approx. 7 years. While appropriate pot sizes, density and species have been selected to ensure to create a successful visual vegetative buffer.

These Western Boundary works shall be completed as part of Estate Landscape Works | Stage 1

This buffer is suitability serviced by a boundary 6m access track, which shall allow maintenance vehicles to maintain this planting.







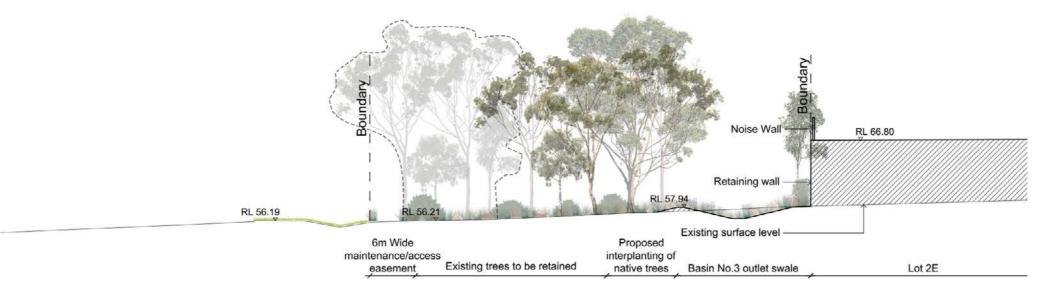
Section BB

Adapted from Civil section 2

Note - All final levels to civil documentation



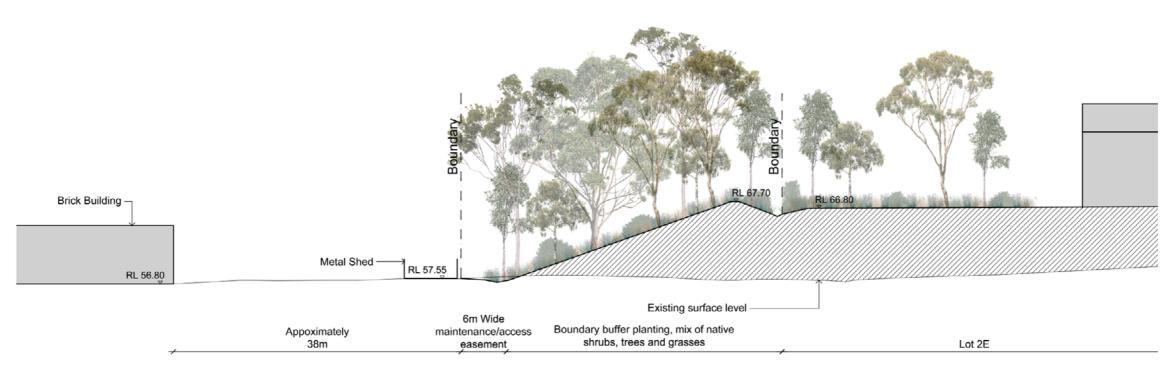






Section CC

Adapted from Civil section 3



Section DD

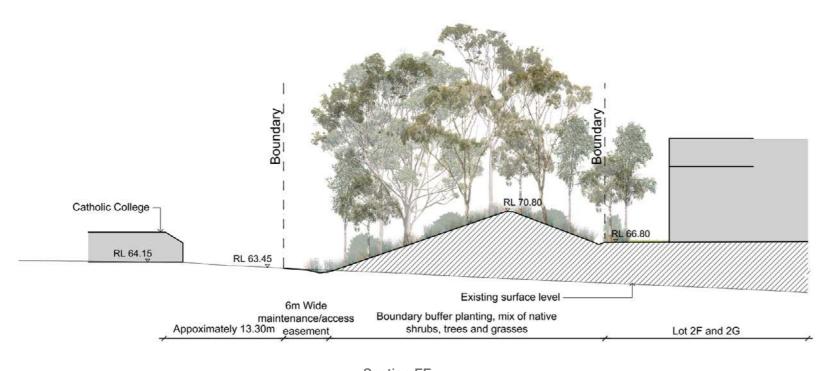
Adapted from Civil section 4

Note - All final levels to civil documentation





Western Boundary Treatment





Section EE Adapted from Civil section 5



Section FF Adapted from Civil section 6

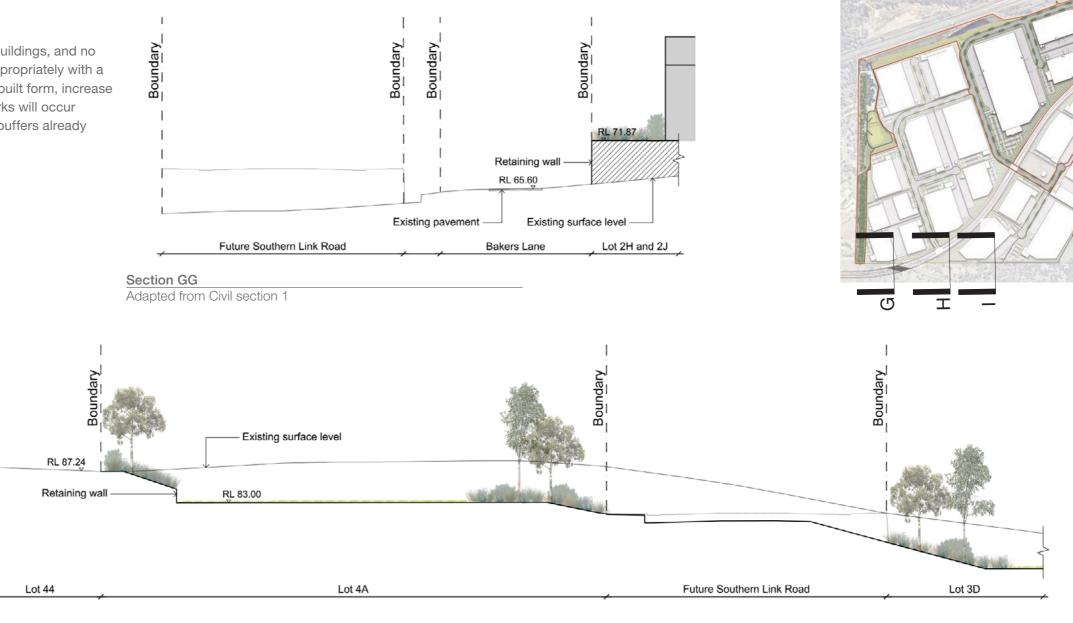
Note - All final levels to civil documentation



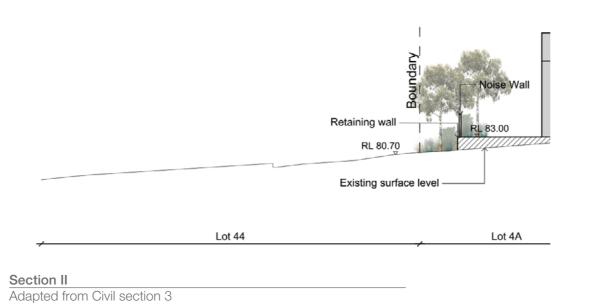
Prepared by: SITE IMAGE Landscape Architects

Southern Boundary Treatment

The Southern boundary, while containing less residential buildings, and no institutional facilities, these boundaries shall be planted appropriately with a combination of Trees, shrubs and groundcovers to soften built form, increase / replace tree canopy and visual amenity. These buffer works will occur as part of later stages but will tie into the other vegetative buffers already established.



Section HH Adapted from Civil section 2

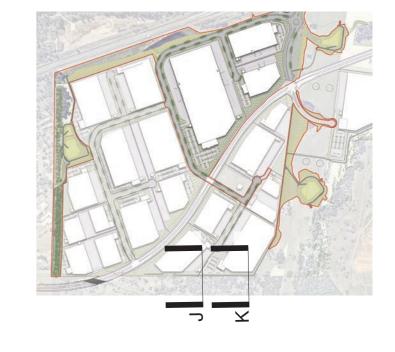


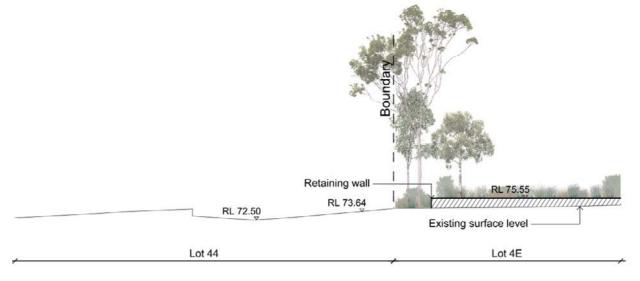
Note - All final levels to civil documentation



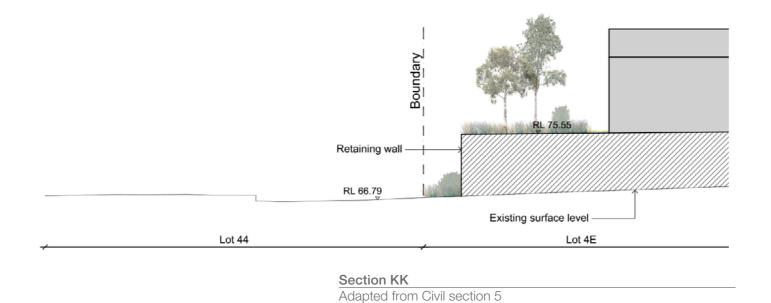








Section JJ Adapted from Civil section 4



Note - All final levels to civil documentation



SITE IMAGE Landscape Architects



Oakdale West Estate Estate Landscape Works | Stage 1 September 2018

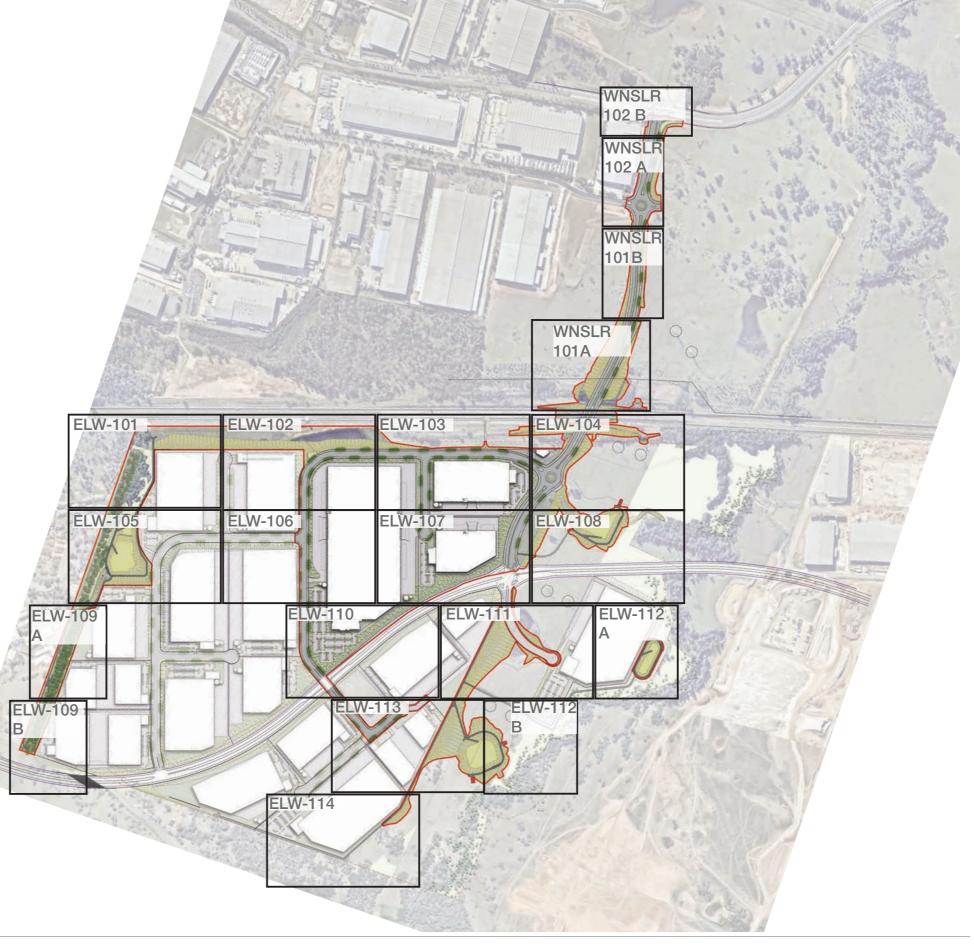




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Stage 1 Landscape Scope of Works Plan

Number	Drawing Title
ELW-001	Stage 1 Landscape Scope Of Works Plan
ELW-101	Estate Landscape Works Detail Plan
ELW-102	Estate Landscape Works Detail Plan
ELW-103	Estate Landscape Works Detail Plan
ELW-104	Estate Landscape Works Detail Plan
ELW-105	Estate Landscape Works Detail Plan
ELW-106	Estate Landscape Works Detail Plan
ELW-107	Estate Landscape Works Detail Plan
ELW-108	Estate Landscape Works Detail Plan
ELW-109	Estate Landscape Works Detail Plan
ELW-110	Estate Landscape Works Detail Plan
ELW-111	Estate Landscape Works Detail Plan
ELW-112	Estate Landscape Works Detail Plan
ELW-113	Estate Landscape Works Detail Plan
ELW-114	Estate Landscape Works Detail Plan
WNSLR-101	Estate Landscape Works Detail Plan (WNSLR)
WNSLR-101	Estate Landscape Works Detail Plan (WNSLR)
ELW-501	Estate Typical Details
ELW-502	Planting Schedule













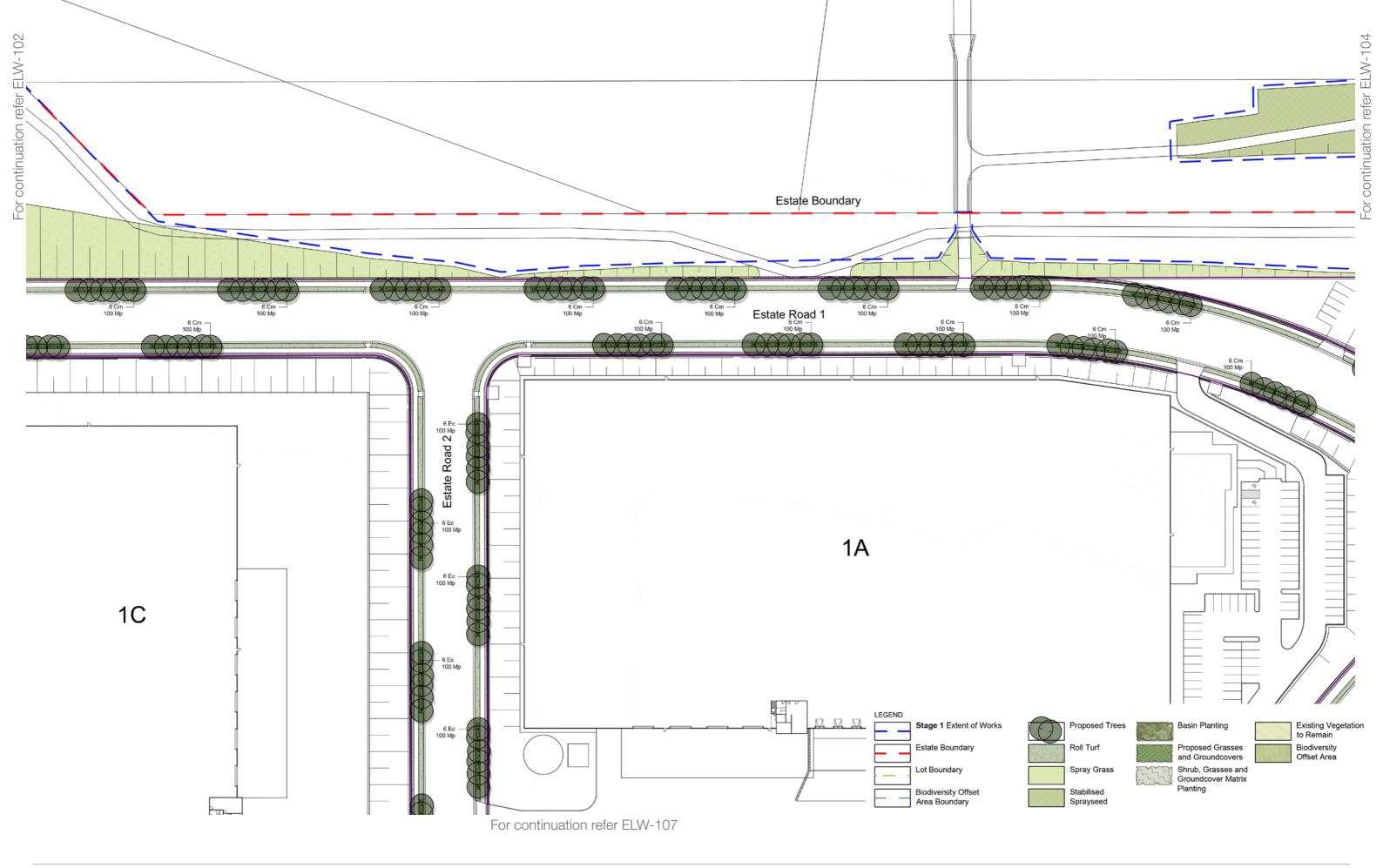






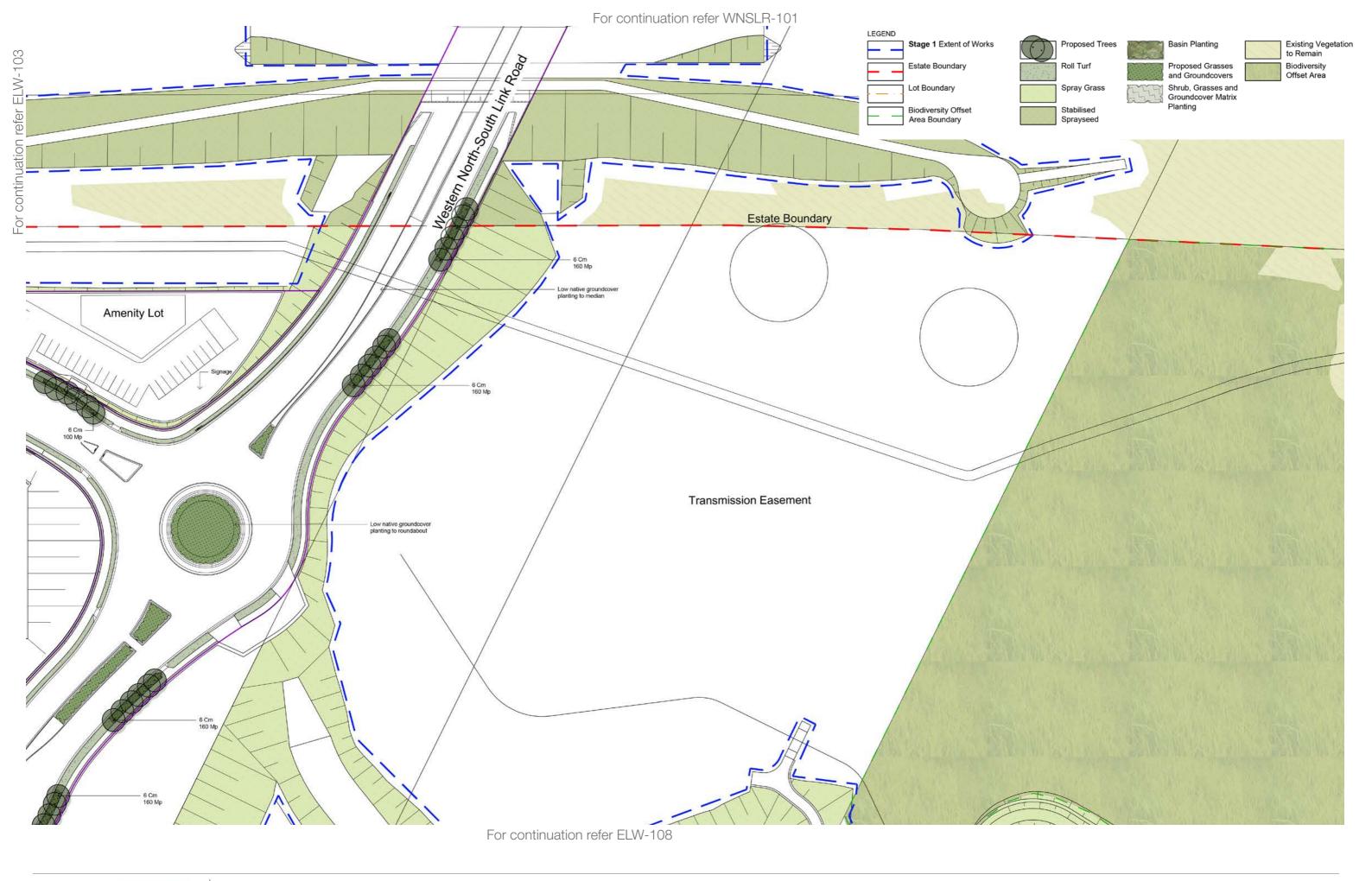


ELW-102











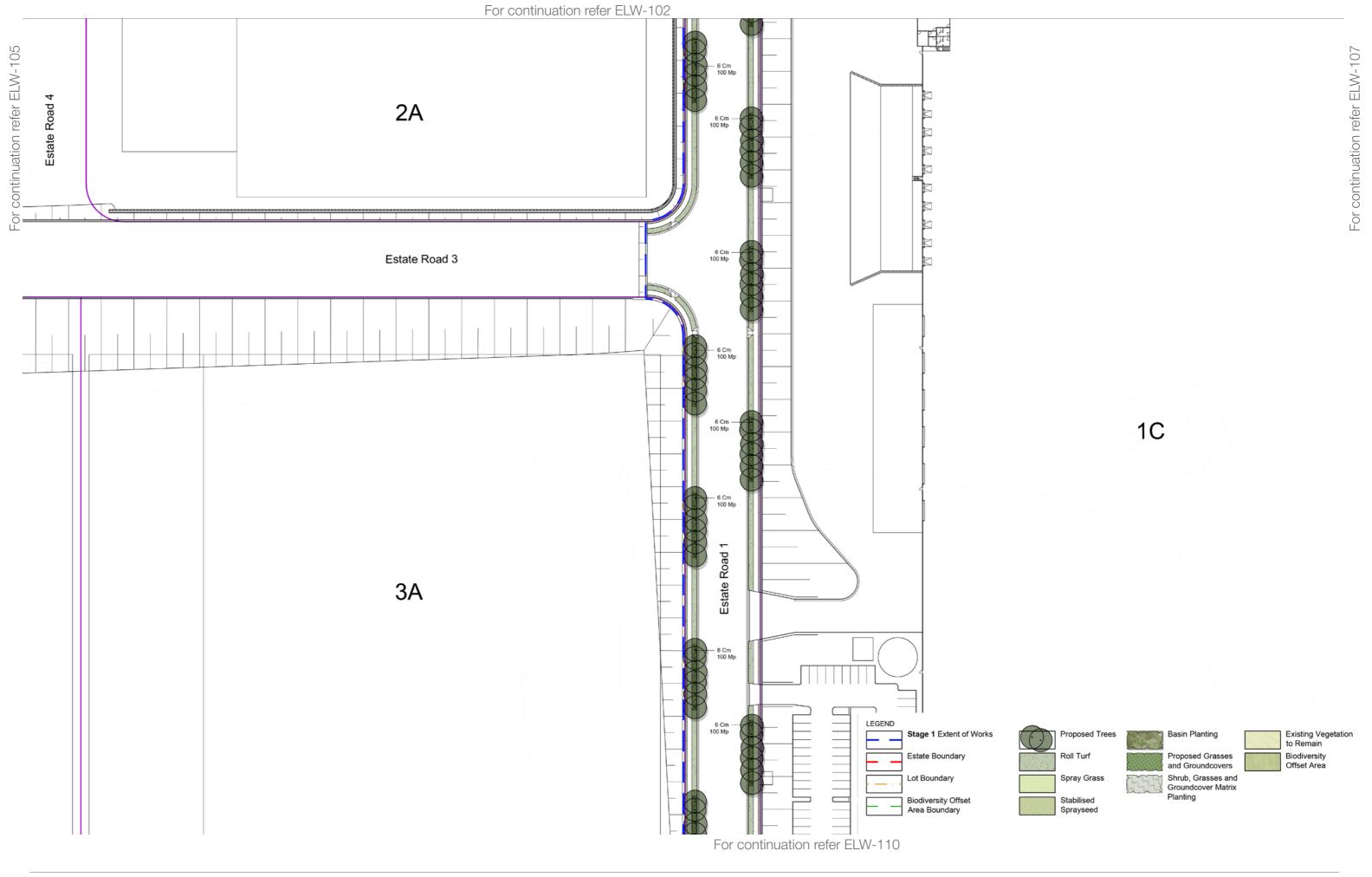








ELW-105

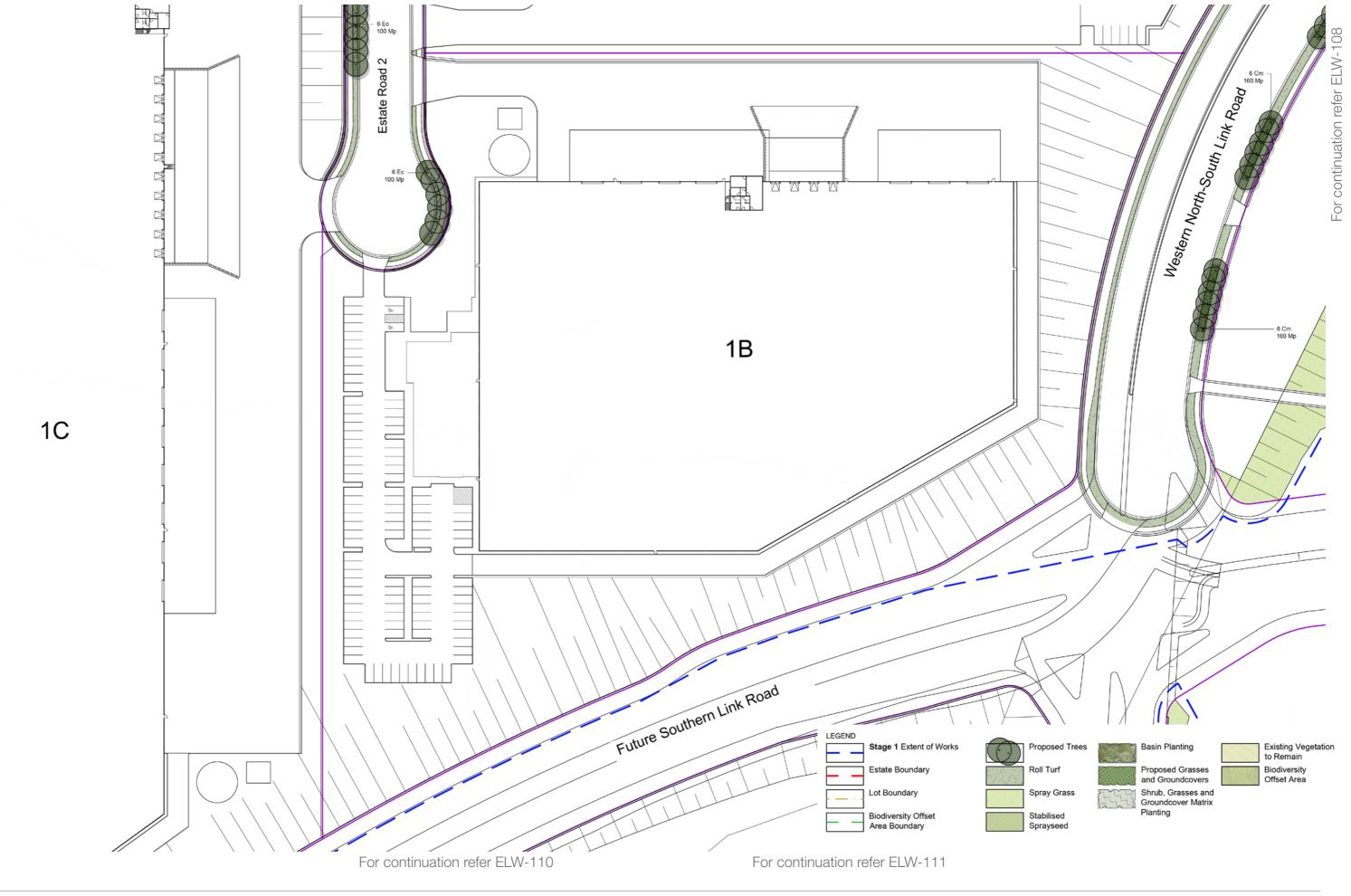




Prepared by: SITE IMAGE Landscape Architects

19.06.2019

ELW-106



For continuation refer ELW-103









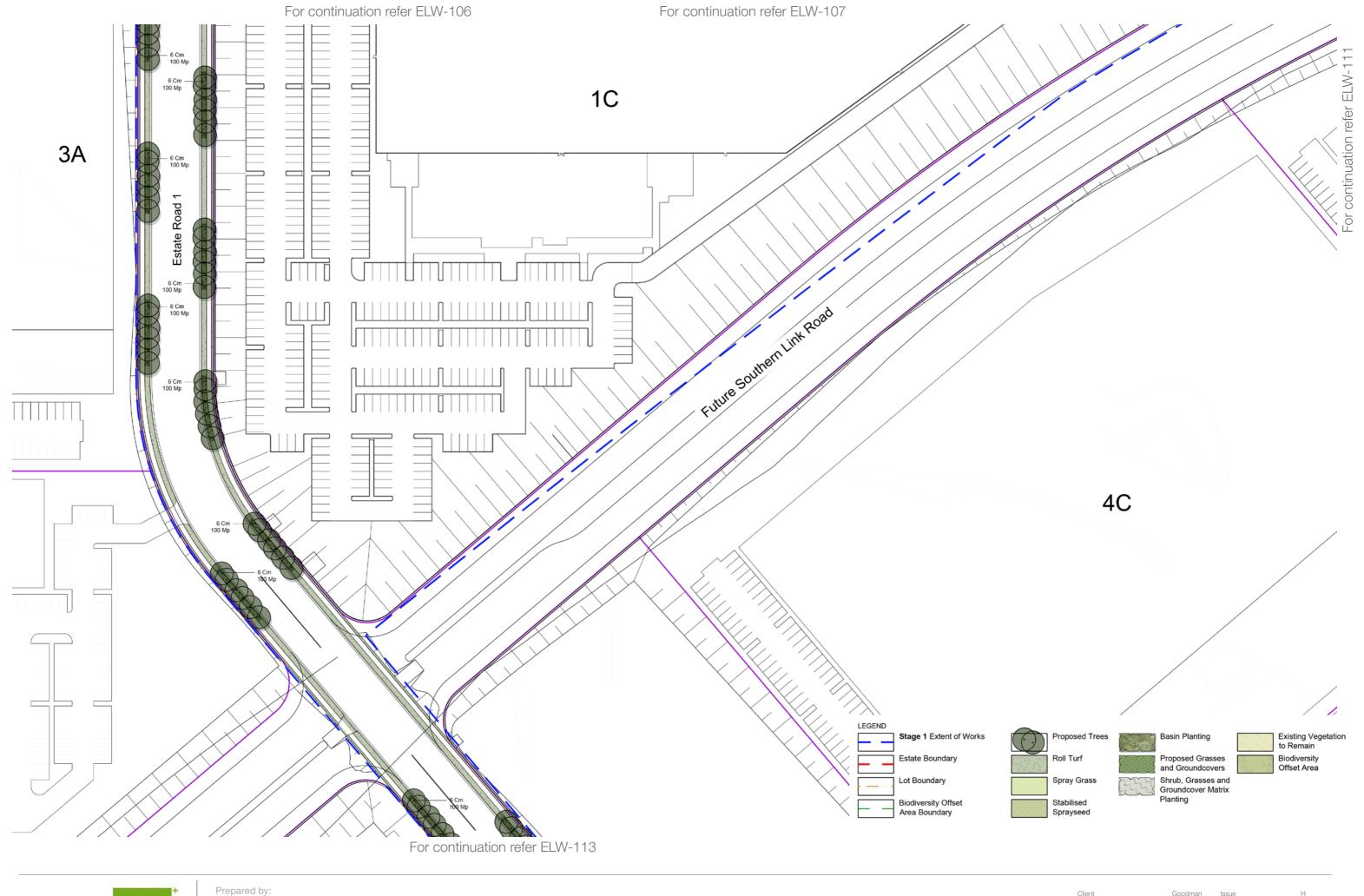
























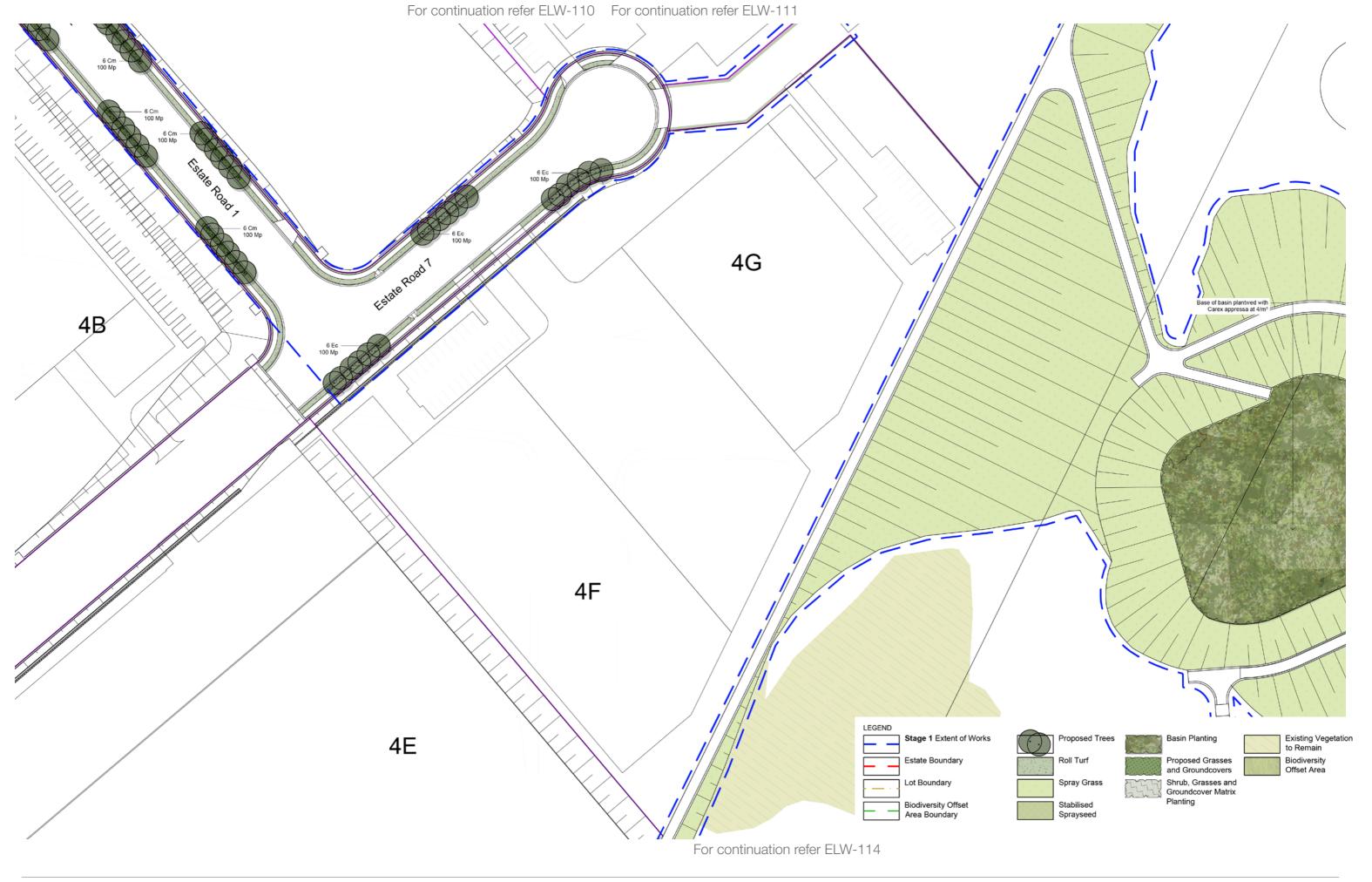








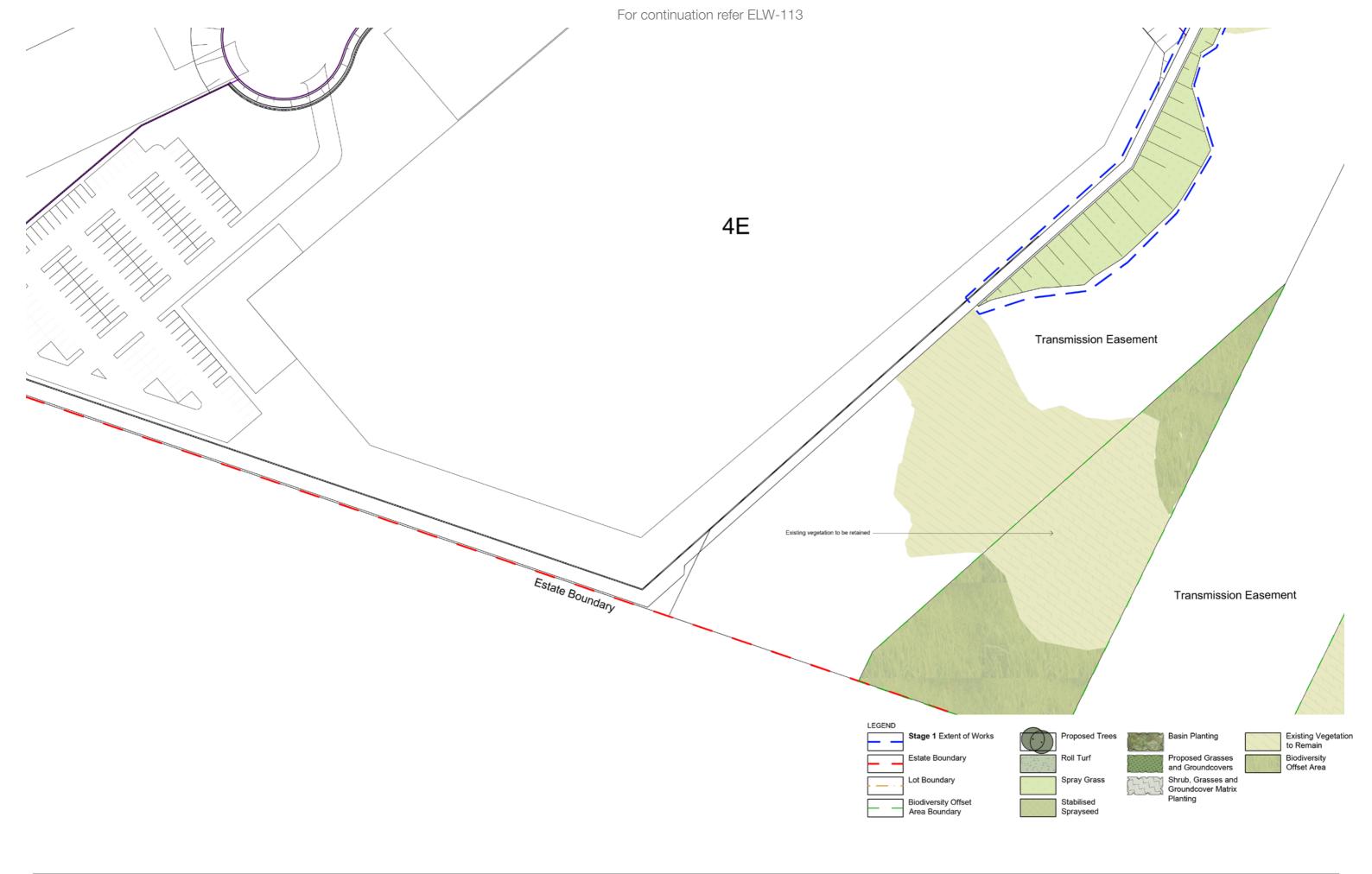
ELW-112





Prepared by:



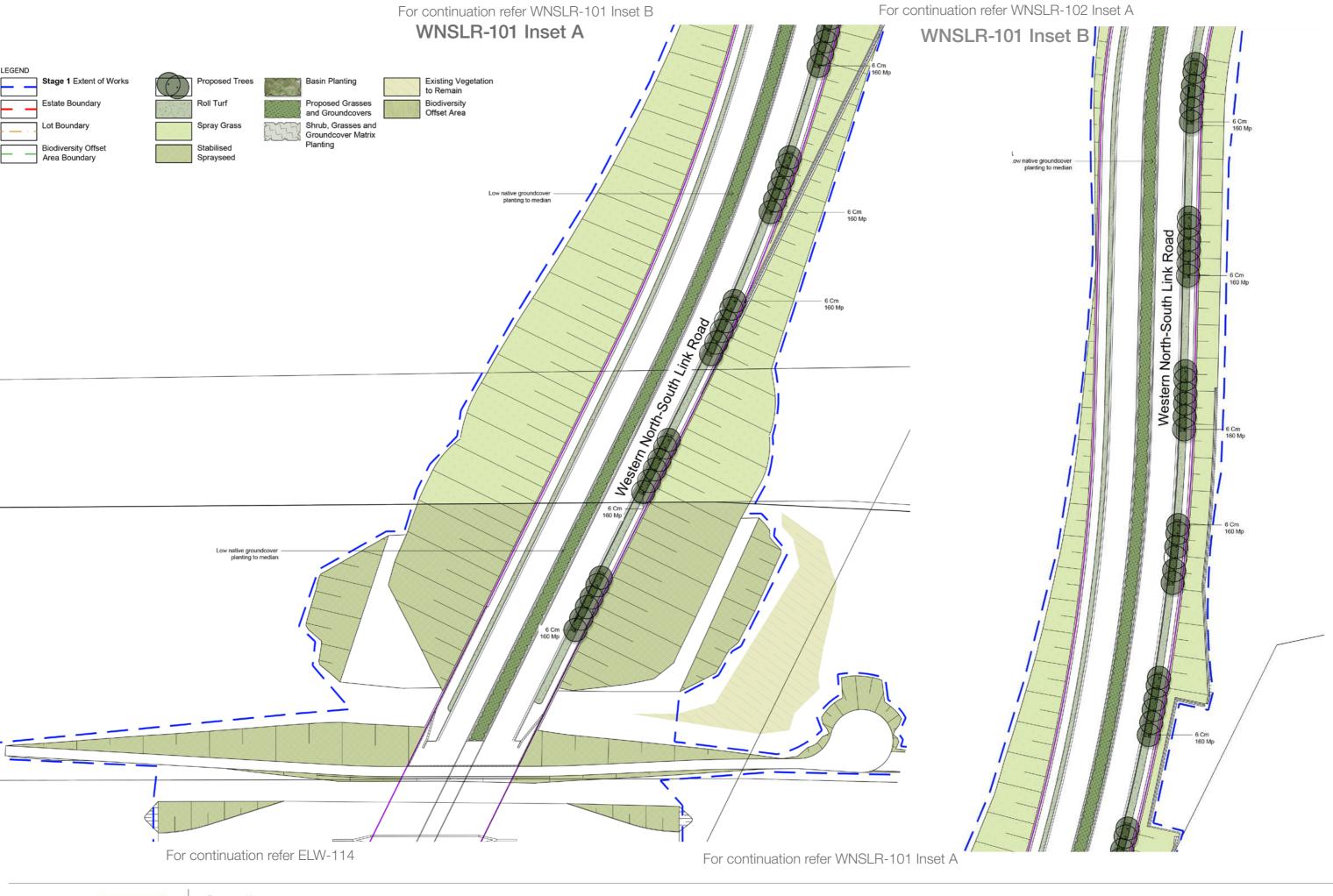


Oakdale West | Estate Landscape Works

















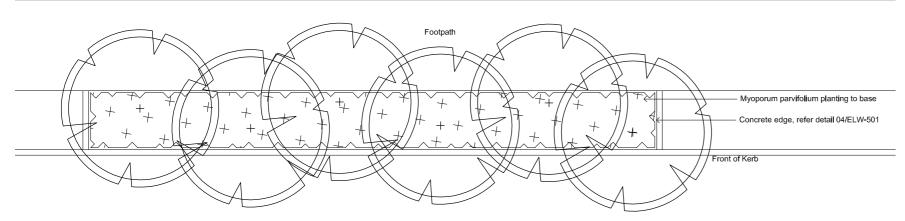
Stage 1 Extent of Works **Existing Vegetation** to Remain Biodiversity Proposed Grasses Estate Boundary Roll Turf and Groundcovers Offset Area Spray Grass Shrub, Grasses and Lot Boundary Groundcover Matrix Biodiversity Offset Stabilised

For continuation refer WNSLR-101 Inset B

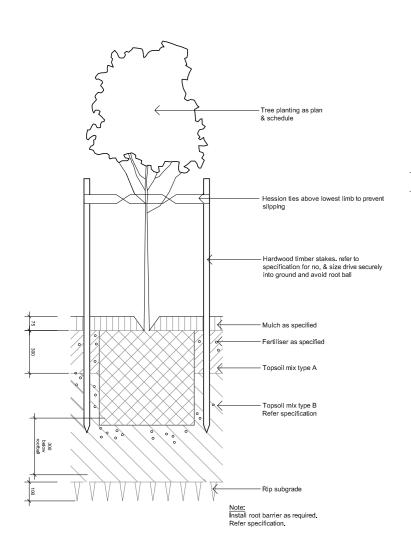




Typical Landscape Details



Street Tree Planting Detail Plan



Shrub, accent & groundcover planting. refer plan & schedule. Mulch as specified. Refer specification Soll mlx type A. Refer specification. Soil mix type B. Refer specification. RIp subgrade to

Refer to plan for adjacent surface NOM. 150mm x 150mm formed concrete edge as specified. Refer to plan for adjacent surface Base course to engineers specification.

Topsoil type A. Topsoil type B. Refer specification. turf side 150 garden bed side

Western Boundary Matrix Planting Detail



Typical Concrete Edge

Massed Planting Detail





Prepared by:

Plant Schedule

Botanical Name	Common Name	Mature Height	Mature Spread	Spacings	Pot Size
Trees					
Angophora subvelutina	Broad-leaved Apple	25	15	As Shown	75L
Angophora floribunda	Rough-barked Apple	25	12	As Shown	75L
Brachychiton acerifolius	Illawarra Flame Tree	10	8	As Shown	75L
Cupaniopsis anacardioides	Tuckeroo	8	8	As Shown	75L
Corymbia maculata	Spotted Gum	15	7	As Shown	75L
Eucalyptus crebra	Narrow Leaved Ironbark	15	6	As Shown	75L
Eucalyptus moluccana	Grey Box	20	8	As Shown	75L
Eucalyptus tereticornis	Forest Red Gum	30	8	As Shown	75L
Shrubs					
Acmena smithii var. minor	Dwarf Lillypilly	3	2	As Shown	300mm
Acacia falcata	Sickle-leaved Wattle	4	2.5	As Shown	300mm
Bursaria spinosa	Blackthorn	4	3	As Shown	300mm
Callistemon 'Endevour'	Bottlebrush	2.5	2.5	As Shown	300mm
Callistemon viminalis 'Little John'	Little John Bottlebrush	0.8	0.8	As Shown	300mm
Dillwynia sieberi	Prickly Parrot Pea	2	1.5	As Shown	300mm
Indigophora australis	Austral Indigo	2.5	2	As Shown	300mm
Westringia fruticosa	Coastal Rosemary	1	1	As Shown	300mm
Groundcovers and Grasses					
Aristida ramosa	Purple Wildgrass	1.2	1		150mm
Bothriochloa decipiens	Pitted Blue Grass	1	1		150mm
Chloris ventricosa	Plump Windmill Grass	1	1		150mm
Dianella revoluta	Blueberry Lily	1	1.5		150mm
Elymus scaber	Common Wheat Grass	1.2	1		150mm
Gazania tomentosa	Yellow Gazania	0.2	0.5		150mm
Hardenbergia violacea	Happy Wander	0.2	3m	5/sqm	150mm
Lomandra longifolia	Spiny Headed Mat Rush	1.5	1.3		150mm
Myoporum parvifolilum	Creeping Boobialla	0.2	1.5		150mm
Pennisteum 'Nafray'	Nafray Pennisetum	0.6	0.6		150mm
Poa labillardieri	Tussock Grass	1	1		150mm
Themeda triandra	Kangaroo Grass	1.5	0.5		150mm
Trachelospermum jasminoides	Star Jasmine	0.2	0.5		150mm

Plant species quantities, pot size and arrangement subject to design development and availability.







Oakdale West Estate On-Lot Landscape Works | Precinct 1 September 2018





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Landscape Scope of Works Plan

Drawing Title Number

OLW-001 Precinct 1 Landscape Plan Precinct 1 Planting Palette OLW-501

OLW-502 Precinct 1 Details

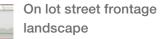


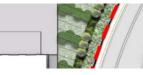








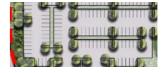




On site presentational landscaping



On site buffer planting



On site car parking



Planting Palette

Botanical Name	Common Name	Mature Height (m.)	Mature Spread (m.)	Pot Size
Trees				
Angophora floribunda	Rough-barked Apple	20	8	75L
Cupaniopsis anacardioides	Tuckeroo	15	8	75L
Corymbia maculata	Spotted Gum	15	7	75L
Eucalyptus amplifolia	Cabbage Gum	25	8	75L
Eucalyptus crebra	Narrow Leaved Ironbark	15	6	25L
Eucalyptus moluccana	Grey Box	20	8	25L
Eucalyptus tereticornis	Forest Red Gum	30	10	75L
Pyrus calleryana	Callery Pear	11	7	75L
Tristaniopsis laurina 'Luscious'	Water Gum	9	8	75L
Melaleuca decora	White Feather Honeymyrtle	7	3	25L
Melaleuca nodosa	Ball Honey-myrtle	4	2.5	25L
Melaleuca styphelioides	Prickly Leaved Paperbark	7	3	75L
Shrubs				
Acacia falcata	Sickle Wattle	4	2	300mm
Callistemon 'Endevour'	Bottlebrush	3	3	300mm
Kunzea ambigua	Tick Bush	2.5	2.5	300mm
Pittosporum 'Miss Muffet'	Dwarf Pittosporum	1	1.5	300mm
Viburnum odoratissimum	Sweet Viburnum	5	3.5	300mm
Westringia glabra	Violet Westringia	1	1	300mm
Accent Species				
Phormium tenax 'Evening Glow'	NZ Flax Lily	1.5	2	300mm
Phormium tenax 'Purpurea'	Purple NZ Flax	1.5	1	300mm
Groundcovers and Grasses				
Dianella caerulea 'Breeze'	Blue Flax Lily	0.4	0.4	150mm
Hardenbergia violacea	Happy Wanderer Native Sarsparilla	2.5	2.5	150mm
Hibbertia scandens	Snake Vine	0.2	2	150mm
Lomandra longifolia	Mat Rush	1	0.6	150mm
Lomandra longifolia 'Tanika'	Matt Rush Grass	0.7	0.6	150mm
Myoporum parvifolium	Creeping Boobialla	0.2	1.5	150mm
Pennisetum 'Nafray'	Nafray	0.8	0.5	150mm
Poa labillardieri	Tussock Grass	0.8	0.5	150mm
Themeda australis	Kangaroo Grass	0.8	0.3	150mm
Trachelospermum jasminoides	Star Jasmine	0.2	0.5	150mm

Plant species, quantities, size and arrangement subject to design development.



















Callistemon 'Endevour'



Dianella caerulea 'Breeze'



Phormium tenax 'Purpurea'



Pennisetum 'Nafray'



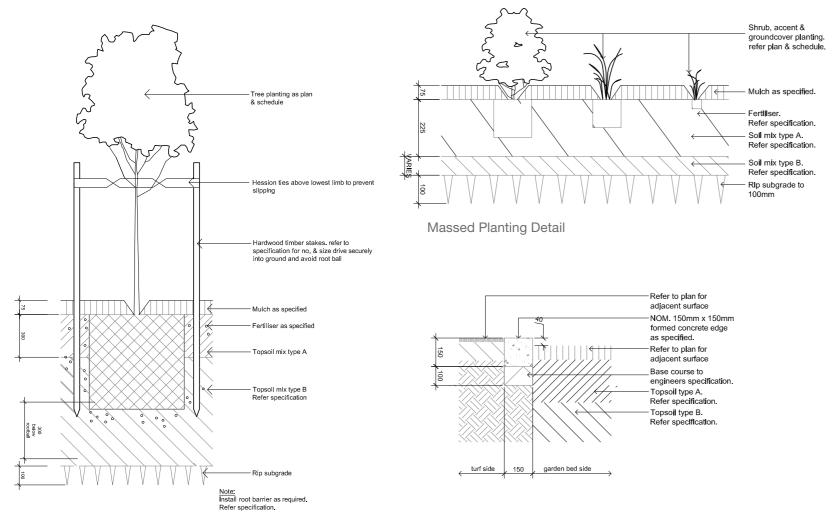
Westringia fruticosa



Prepared by:



Site Image Job Number SS15-3113



Street Tree Planting Detail

Typical Concrete Edge



