

585 - 649 Mamre Road, Orchard Hills NSW 2748

Landscape Documentation for State Significant Development Approval - Stage 1 - SSD 18_9429



Drawing Register: Dwg No. Drawing Name

SSD-00	Landscape Site Masterplan
SSD-01	Landscape Stage 1 Plan
SSD-02	Landscape Sections - AA & BB
SSD-03	Landscape Section - CC
SSD-04	Planting Plan - Stage 1
SSD-05	Planting Plan - Future Expansion
SSD-06	Typical Planting Details
SSD-07	Typical Specification
SSD-08	Planting Schedule & Images

Drawing Title:
Landscape Site Masterplan

DWG No:

SSD-00

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ABN 84 620 205 781 ACN 620 205 781

Architect:

nettleontribe
architecture

Client:

ALTIS
PROPERTY PARTNERS

Scale:
1:750 @ A1
1:1500 @ A3

Date:
30.11.18

Job Number:
180607

North:
N

Project:

585-649 Marmre Road - Stage 1
Orchard Hills NSW 2748

Revision		FOR STATE SIGNIFICANT DEVELOPMENT			
Rev	Date	Description	Drawn	Checked	
A	13.07.18	SSD DRAFT	JT	BG	
B	27.07.18	FOR SSD	JT	BG	
C	31.07.18	FOR SSD	JT	BG	
D	06.08.18	FOR SSD	JT	BG	
E	08.08.18	FOR SSD	JT	BG	
F	30.11.18	FOR SSD	CC	BG	

LEGEND

STAGE 1 BOUNDARY

2.1m HIGH SECURITY FENCE

NATIVE ENDEMIC CANOPY TREE PLANTING WITHIN LANDSCAPE BUFFER ZONES AND TO INTERNAL ESTATE

MIX OF NATIVE SHRUB PLANTING

MIX OF NATIVE GRASSES AND GROUNDCOVERS

MOUNDED PLANTING WITHIN THE BUFFER ZONE

The diagram is a detailed landscape plan for Stage 1 of a development. It features a large central building labeled 'STAGE 1 BUILDING 7' with two main sections: 'HIGH BAY PAD RL:36.6' and 'LOW BAY PAD RL:36.6'. To the left of the building is a 'STAGING AREA' containing a 'Substation', 'Generator', 'Office', and 'MSB + MTS'. Above the staging area is a '32M AWING ABOVE' and a '60M WIDE HARDSTAND'. To the right of the building is a '9M WIDE ROAD' and a 'PUMP' with a 'SPRINKLER TANK'. A '6M WIDE FIRE TRAIL' runs along the right side of the building. In front of the building is a 'Recreational Area' and an 'OFFICE'. There are two parking areas: 'PARKING - 43No.' and 'PARKING - 70No.'. The plan is bordered by 'EXISTING ACCESS ROAD' on the left and 'MAMRE ROAD' at the bottom. A 'PYLON SIGN' is located at the bottom left. A 'TRUCK ENTRY/EXIT' is at the top left. A 'CAR PARK ENTRY/EXIT' is on the left side. A '4m wide landscape buffer' is at the top right, and a '10m wide landscape buffer' is at the bottom right. A 'FUTURE EXPANSION' area is shown on the right, with a dashed line representing a future expansion building. A 'FUTURE EXPANSION LANDSCAPING' area is also shown. The plan includes various landscaping elements like trees, shrubs, and groundcover planting. A legend on the left explains the symbols used. A scale bar at the bottom left indicates 1:500 @ A1 and 1:1000 @ A3. A north arrow is at the bottom right. A revision table is at the bottom right.

Drawing Title:
Landscape Stage 1 Plan
DWG No:
SSD-01

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Client:

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Scale: 1:500 @ A1
1:1000 @ A3

Date: 30.11.18

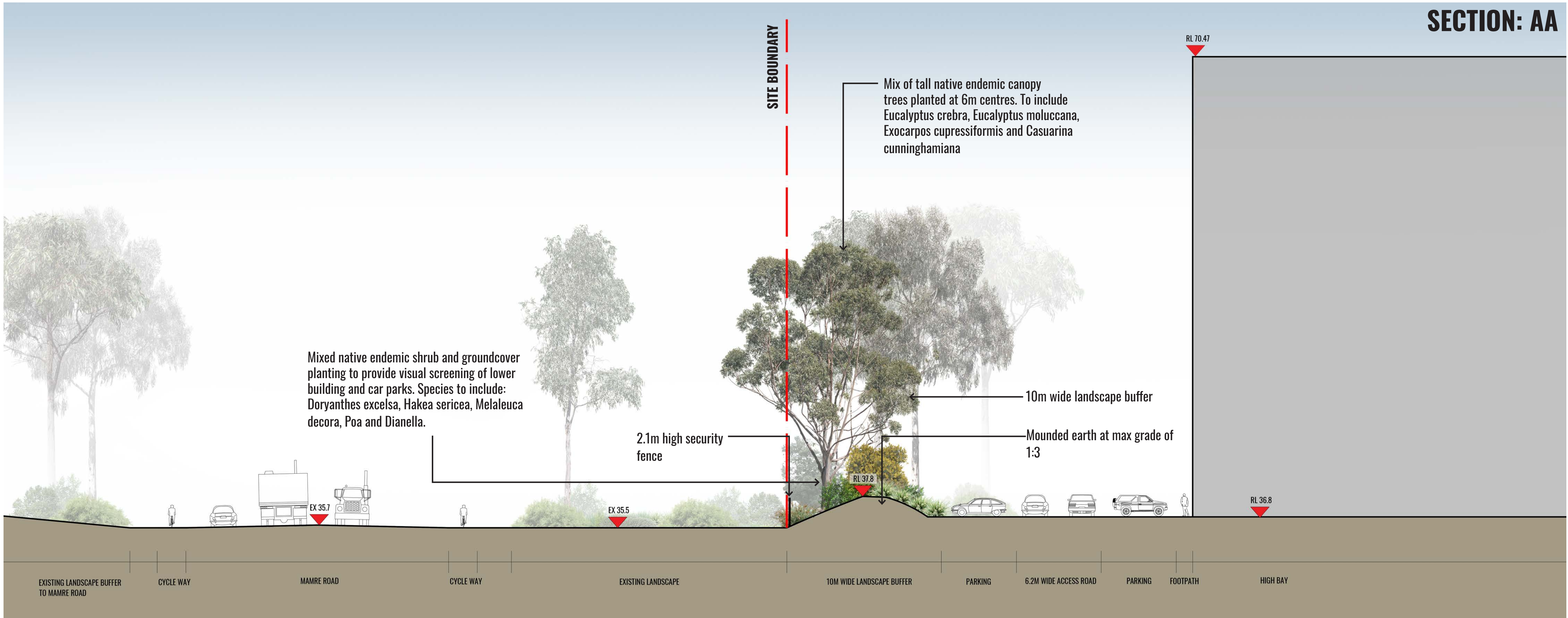
Job Number: 180607

North:

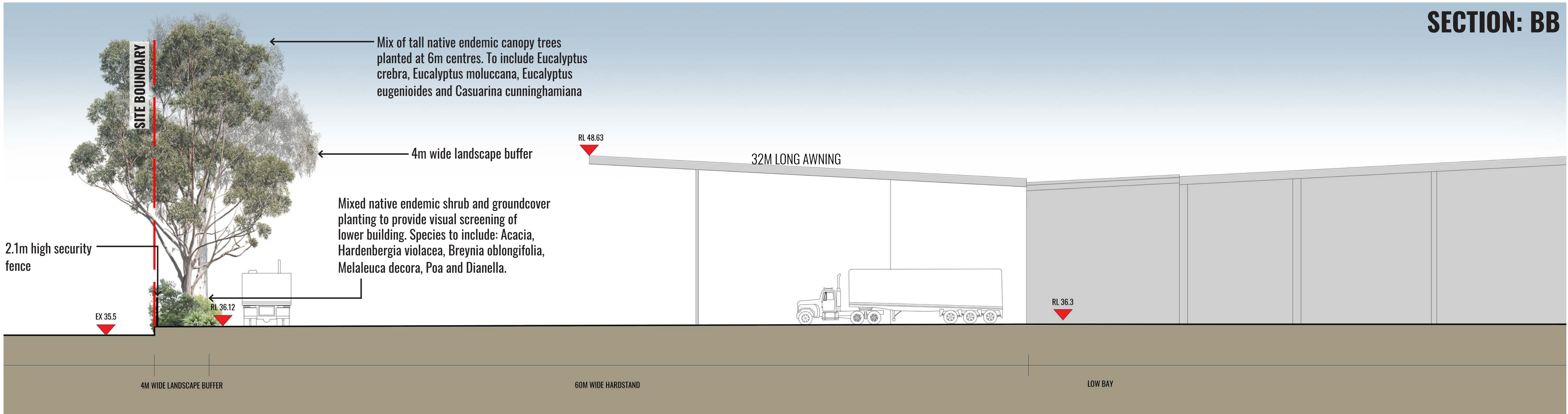
Project: 585-649 Marmre Road - Stage 1
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E	08.08.18	FOR SSD	JT	BG
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SECTION: AA



SECTION: BB



Drawing Title:
Landscape Sections - AA & BB
DWG No:
SSD-02

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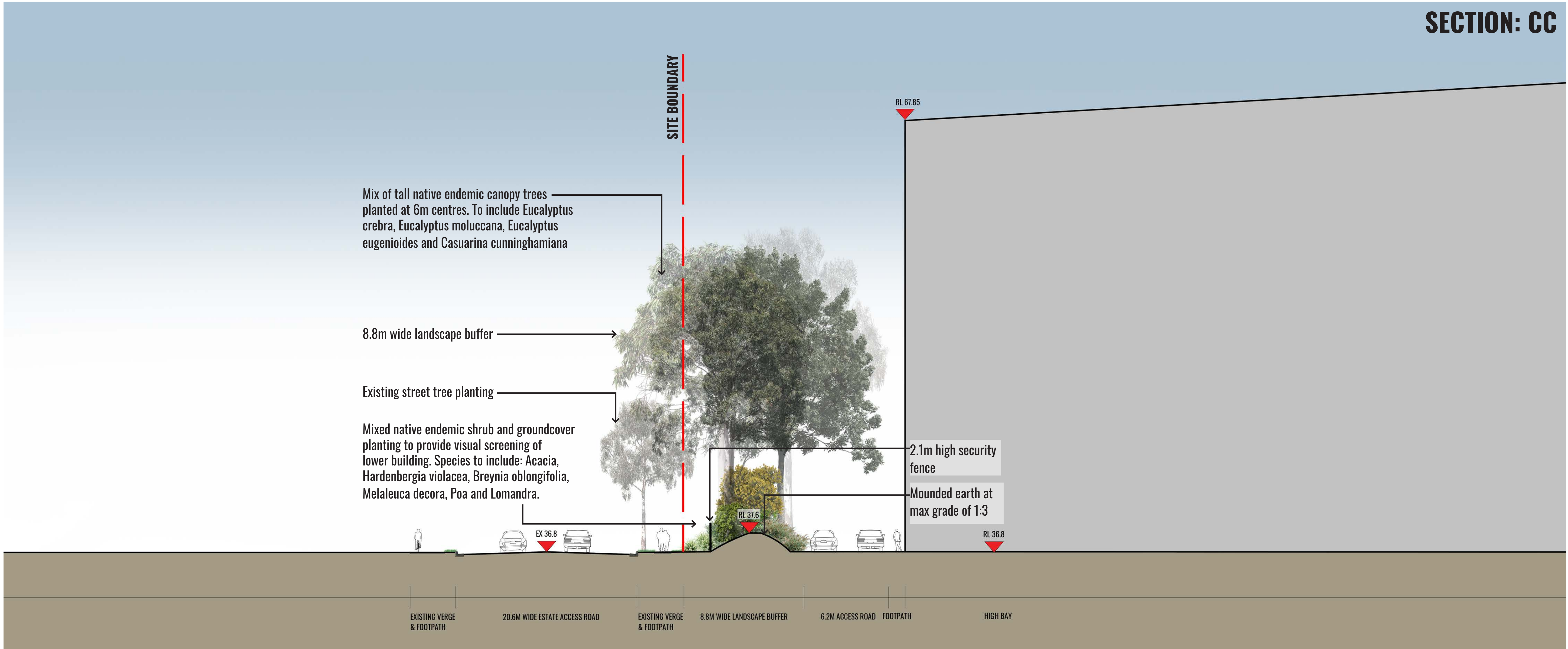
Architect:

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architecture

Client:

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Scale:		Date:	Job Number:	North:	Revision							FOR STATE SIGNIFICANT DEVELOPMENT		
1:150 @ A1		30.11.18	180607	N/A	Rev	Date	Description	Drawn	Checked	Project:	585-649 Marmre Road - Stage 1	Orchard Hills NSW 2748		
1:300 @ A3					A	13.07.18	SSD DRAFT	JT	BG					
					B	27.07.18	FOR SSD	JT	BG					
					C	31.07.18	FOR SSD	JT	BG					
		D	06.08.18	FOR SSD	JT	BG								
		E	08.08.18	FOR SSD	JT	BG								
		F	30.11.18	FOR SSD	CC	BG								



Drawing Title:
Landscape Section - CC

DWG No:

SSD-03

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Architect:

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Client:

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Scale:
1:150 @ A1
1:300 @ A3

Date:
30.11.18

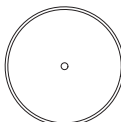
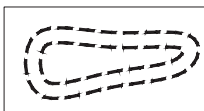
Job Number:
180607

North:
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Project:
585-649 Marmre Road - Stage 1
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LEGEND

	STAGE 1 BOUNDARY
	2.1m HIGH SECURITY FENCE
	NATIVE ENDEMIC CANOPY TREE PLANTING WITHIN LANDSCAPE BUFFER ZONES AND TO INTERNAL ESTATE
	MIX OF NATIVE SHRUB PLANTING
	MIX OF NATIVE GRASSES AND GROUNDCOVERS
	3 CAS GLA
	PLANTING CODES (REFER TO PLANT SCHEDULE SSD-08)
	MOUNDED PLANTING WITHIN THE BUFFER ZONE

SOUTHERN BUFFER ZONE
REFER TO SSD-06

SOUTHERN BUFFER ZONE B —————
GRASSES & GROUNDCOVERS : Mix of
 1100 MIC sti, 1004 SCA aem, 1057
 LOM fil, 1057 LOM lon, 1057 LOM mul,
 1153 CAR app, 1321 POA lab

SOUTHERN BUFFER ZONE
REFER TO SSD-06

SOUTHERN BUFFER ZONE A
SHRUBS : Mix of 4 DOR exc, 4 MEL
 dec, 6 DIL jun, 3 HAR vio, 5 BUR spi,
 4 DAV uli

5M AWING ABOVE

FUTURE EXPANSION LANDSCAPING

STAGE 1 BUILDING 7

LOW BAY

HIGH BAY

WESTERN BUFFER ZONE
SHRUBS : Mix of 69 DOR exc, 85 BRE
obl, 85 ACA par, 85 HAK ser, 32 ACA
bin, 32 DAV uli, 28 MEL dec, 28 DIL jun,
32 BUR spi, 13 CAL sal

OFFICE

6M WIDE FIRE TRAIL

— WESTERN BUFFER ZONE
REFER TO SSD-06

DWG No:

SSD-04

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STAGE 1 BOUNDARY

NATIVE ENDEMIC CANOPY TREE PLANTING WITHIN LANDSCAPE BUFFER ZONES AND TO INTERNAL ESTATE

MIX OF NATIVE SHRUB PLANTING

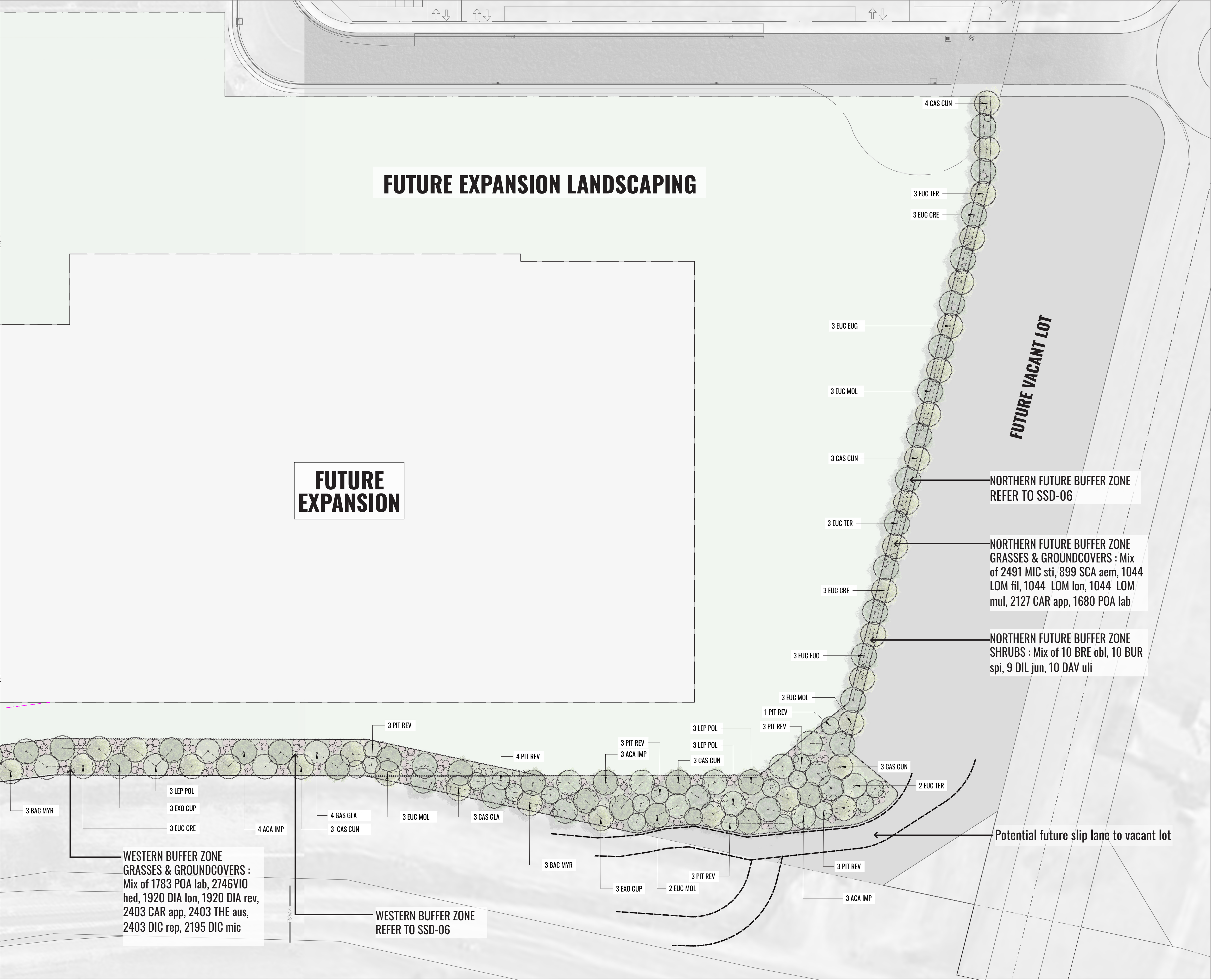
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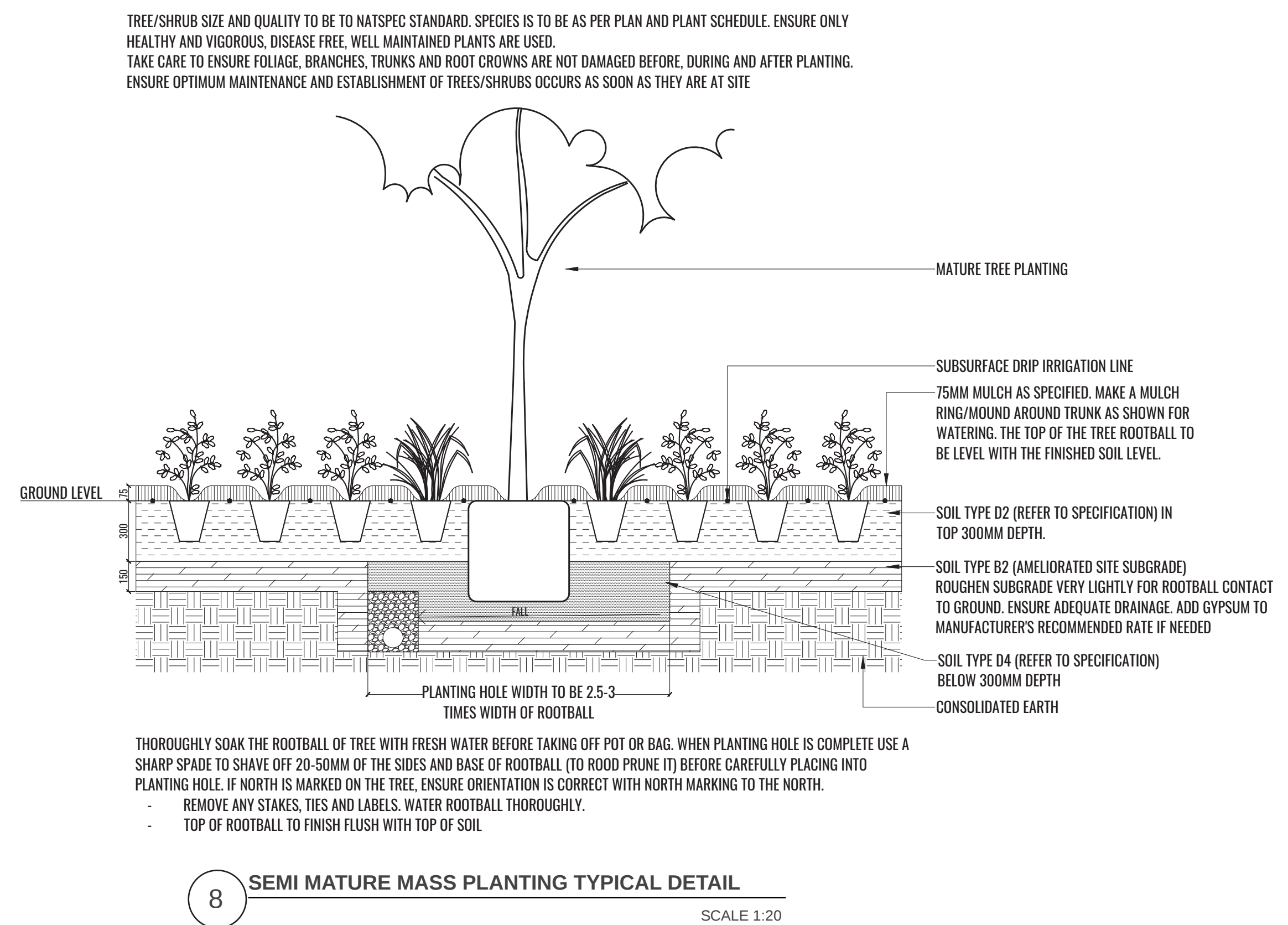
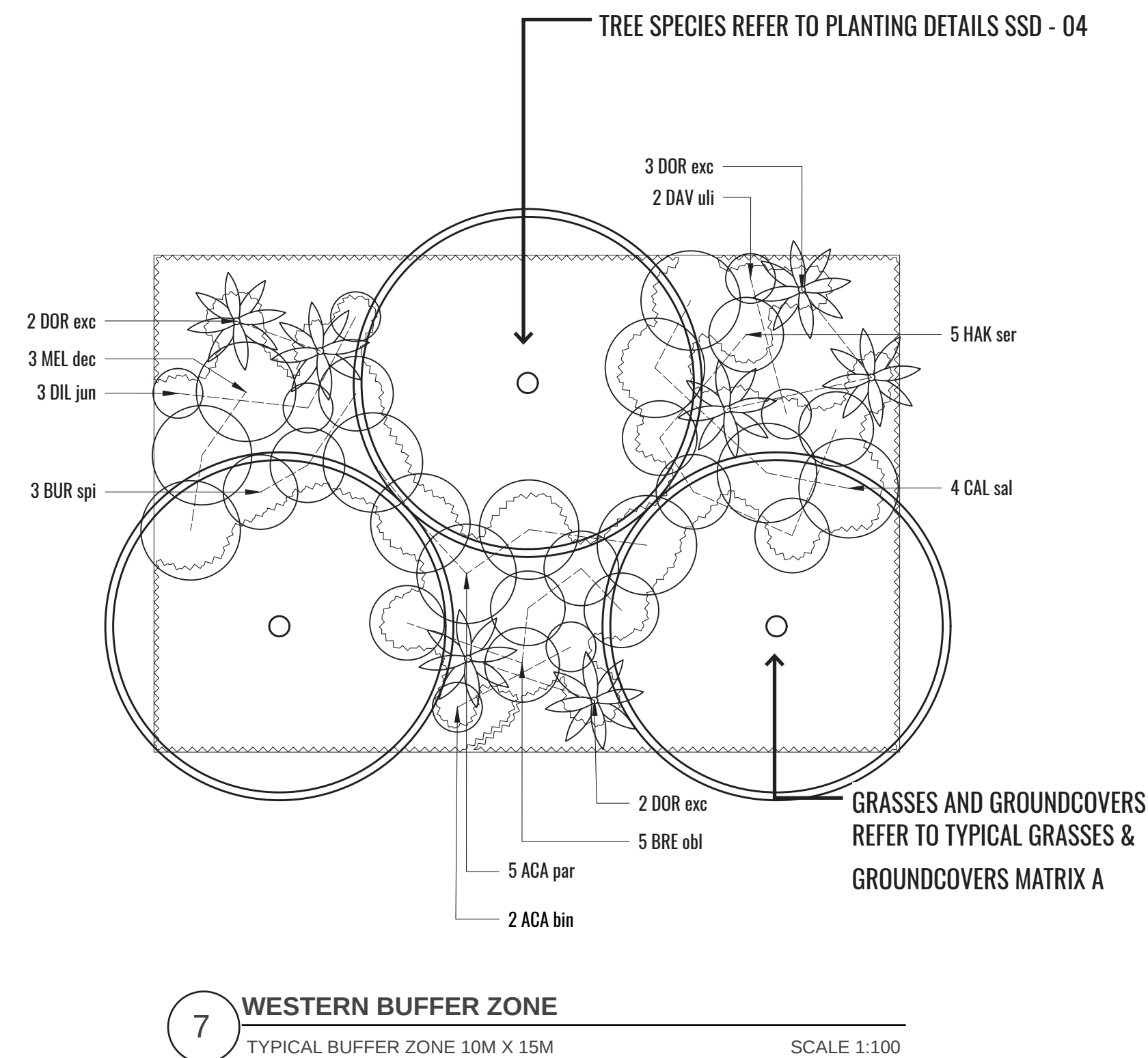
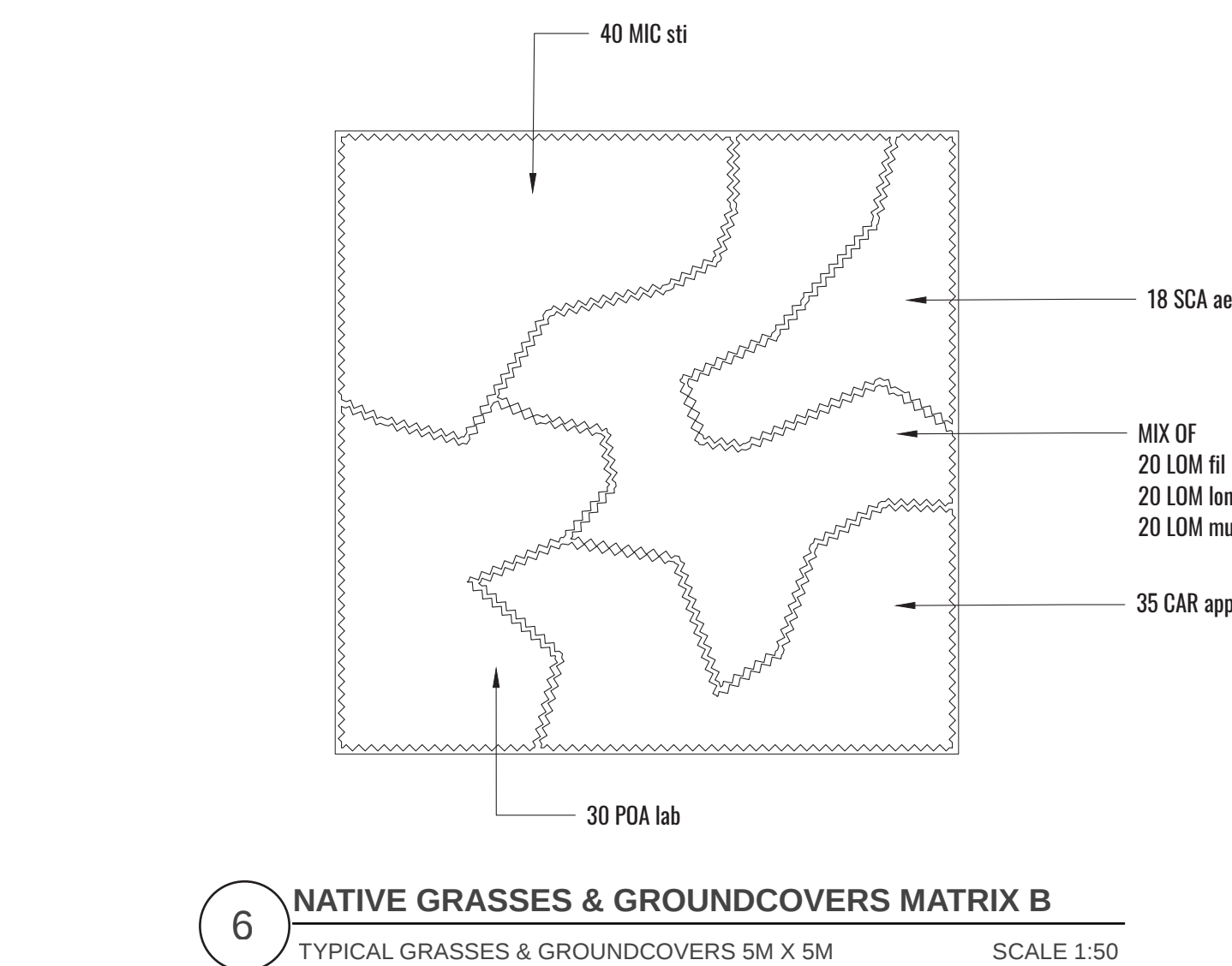
3 CAS GLA

PLANTING CODES (REFER TO PLANT SCHEDULE SSD-08)

NOTE:

This planting plan has been included in this SSD submission to demonstrate that a buffer zone will be incorporated to the northern boundary. Final details of buffer zone to be submitted as part of Future Expansion and associated vacant lot works.





SSD-06

Architect:

Client:

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Scale: AS SHOWN	Date: 30.11.18	Job Number: 180607	North: N/A
Project:	585-649 Marmre Road - Stage 1 Orchard Hills NSW 2748		

Revision		FOR STATE SIGNIFICANT DEVELOPMENT		
Rev	Date	Description	Drawn	Checked
A	12.07.18	SSD DRAFT	JT	BG
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C	31.07.18	FOR SSD	JT	BG
D	06.08.18	FOR SSD	JT	BG
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F	30.11.18	FOR SSD	CC	BG

General

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 for the term of the maintenance period commencing from practical completion.

Standards

All grown or purchased plant stock must conform to all the conditions and requirements given in NATSPEC Guide: Specifying Trees. Soils to be in accordance with AS4419, mulching composts and conditioners to be in accordance with AS4454. Soils should conform to best practice specifications as listed in the Landscape Soils Handbook (Simon Leake & Elke Haege 2017).

Rubbish Removal

During the term of the maintenance period 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 directions).

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 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 Forest Fines mulch. All mulch is to be free of deleterious matter such as soil, weeds and sticks. 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.

Watering

Implement an appropriate hand watering regime in areas not irrigated in association with current watering programme to maintain plant health and vigour. The program shall reflect seasonal conditions and plant species.
Frequency: Weekly or as required.

Soil

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. All garden bed areas to have minimum 300mm depth topsoil, 100mm depth to turf areas.

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.

Drawing Title:
Typical Specification
DWG No:

SSD-07

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585-649 Marmre Road - Stage 1 Orchard Hills NSW 2748								

Landscape Buffer Zone Planting						
CODE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	NATIVE	ENDEMIC	*QUANTITY
Trees						
ACA IMP	<i>Acacia implexa</i>	Hickory Wattle	5-12m	✓	✓	17
BAC MYR	<i>Backhousia myrtifolia</i>	Grey Myrtle	7m	✓	✓	12
CAS CUN	<i>Casuarina cunninghamiana</i>	River She Oak	12-35m	✓	✓	33
CAS GLA	<i>Casuarina glauca</i>	Swamp Oak	10m	✓	✓	13
EUC CRE	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	12-18m	✓	✓	24
EUC EUG	<i>Eucalyptus eugenioides</i>	Thin-leaved Stringybark	20-30m	✓	✓	25
EUC MOL	<i>Eucalyptus moluccana</i>	Grey Box	18-20m	✓	✓	28
EUC TER	<i>Eucalyptus tereticornis</i>	Forest Red Gum	20-30m	✓	✓	19
EXO CUP	<i>Exocarpos cupressiformis</i>	Native Cherry	8m	✓	✓	12
LEP POL	<i>Leptospermum polygalifolium</i>	Yellow Tea-tree	7m	✓	✓	12
PIT REV	<i>Pittosporum revolutum</i>	Rough Fruit Pittosporum	3m	✓	✓	24
Shrubs						
ACA bin	<i>Acacia binervia</i>	Coast Myall	2m	✓	✓	41
ACA par	<i>Acacia parramattensis</i>	Parramatta wattle	2-15m	✓	✓	85
BRE obl	<i>Breynia oblongifolia</i>	Common Breynia	3m	✓	✓	103
BUR spi	<i>Bursaria spinosa</i>	Boxthorn	4m	✓	✓	62
CAL sal	<i>Callistemon salignus</i>	Willow Bottlebrush	1-10m	✓	✓	22
DAV uli	<i>Daviesia ulicifolia</i>	Gorse Bitter-pea	2m	✓	✓	55
DIL jun	<i>Dillwynia juniperina</i>	Prickly parrot pea	0.5 -2.5m	✓	✓	55
DOR exc	<i>Doryanthes excelsa</i>	GyMEA Lily	3m	✓	✓	85
HAK ser	<i>Hakea sericea</i>	Hakea sericea	4-5m	✓	✓	94
HAR vio	<i>Hardenbergia violacea</i>	Hardenbergia	6m	✓	✓	36
MEL dec	<i>Melaleuca decora</i>	White Feather Honey Myrtle	7m	✓	✓	64
Grasses, Groundcovers and Herbs						
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	✓	✓	7008
DIA lon	<i>Dianella longifolia</i>	Smooth flax lily	1m	✓	✓	2575
DIA rev	<i>Dianella revoluta</i>	Blue Flax-lily, Spreading Flax-lily	1m	✓	✓	2370
DIC mic	<i>Dichelachne micrantha</i>	Short-haired Plume Grass	1.2m	✓	✓	2740
DIC rep	<i>Dichondra repens</i>	Kidney-weed, Mercury Bay Weed	0.2m	✓	✓	2403
LOM fil	<i>Lomandra filiformis</i>	Wattle Mat Rush	0.5m	✓	✓	2744
LOM lon	<i>Lomandra longifolia</i>	Spiny Mat Rush	0.8m	✓	✓	2744
LOM mul	<i>Lomandra multiflora</i>	Many-flowered Mat-rush	0.9m	✓	✓	2444
MIC sti	<i>Microlaena stipoides</i>	Weeping Grass, Meadow Rice-grass	1m	✓	✓	3834
POA lab	<i>Poa labillardieri</i>	Tussock Poa	1.2m	✓	✓	5497
SCA aem	<i>Scaevola aemula</i>	Fan Flower	0.5m	✓	✓	2039
THE aus	<i>Themeda australis</i>	Kangaroo Grass	1m	✓	✓	3073
VIO hed	<i>Viola hederacea</i>	Ivy-leaved Violet	0.3m	✓	✓	3271

* Total final numbers to be determined at CC stage

Indicative Carpark and Internal Estate Schedule					
CODE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	NATIVE	ENDEMIC
Trees					
EUC FIB	<i>Eucalyptus fibrosa</i>	Red Ironbark	12-18m	✓	✓
EUC MOL	<i>Eucalyptus molucanna</i>	Grey Box	12-18m	✓	✓
TRI LAU	<i>Tristaniopsis laurina</i>	Water Gum	6-8m	✓	✓
Shrubs					
ACA dec	<i>Acacia decurrens</i>	Sydney Green Wattle	3-10m	✓	✓
ACA fal	<i>Acacia falcata</i>	Sickle Wattle	5m	✓	✓
ACM smi	<i>Acmena smithii</i>	Lilly-pilly	1.8m (Hedging)	✓	✓
BAN ser	<i>Banksia serrata</i>	Old Man Banksia	3m	✓	✓
CAL sal	<i>Callistemon salignus</i>	Willow Bottlebrush	1m	✓	✓
CAL sp	<i>Callistemon sp</i>	Scarlet Bottlebrush	4m	✓	✓
DOR exc	<i>Doryanthes excelsa</i>	GyMEA Lily	3m	✓	✓
GRE jun	<i>Grevillea juniperina</i>	Grevillea	1.5m	✓	✓
PIT rev	<i>Pittosporum revolutum</i>	Rough Fruit Pittosporum	3m	✓	✓
WES fru	<i>Westringia fruticosa</i>	Coastal Rosemary	1.5m	✓	✓
Groundcovers					
DIA lon	<i>Dianella longifolia</i>	Flax-lily	1m	✓	✓
DIA rev	<i>Dianella revoluta</i>	Blue Flax-lily, Spreading Flax-lily	1m	✓	✓
DIC rep	<i>Dichondra repens</i>	Kidney-weed, Mercury Bay Weed	0.2m	✓	✓
HAR vio	<i>Hardenbergia violacea</i>	False Sarsaparilla	0.5m	✓	✓
LOM lon	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush	1m	✓	✓
VIO hed	<i>Viola hederacea</i>	Native Violet	0.2m	✓	✓



Eucalyptus moluccana



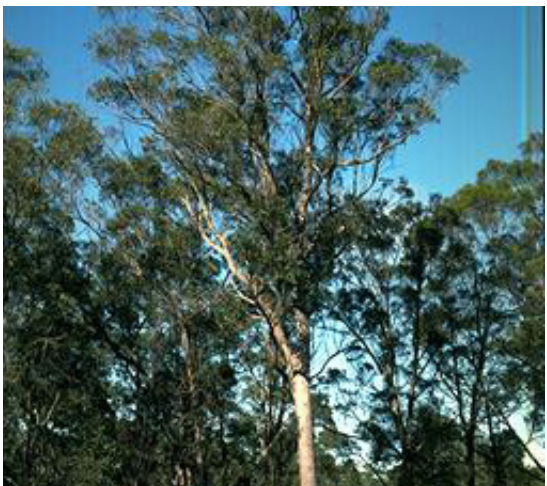
Eucalyptus tereticornis



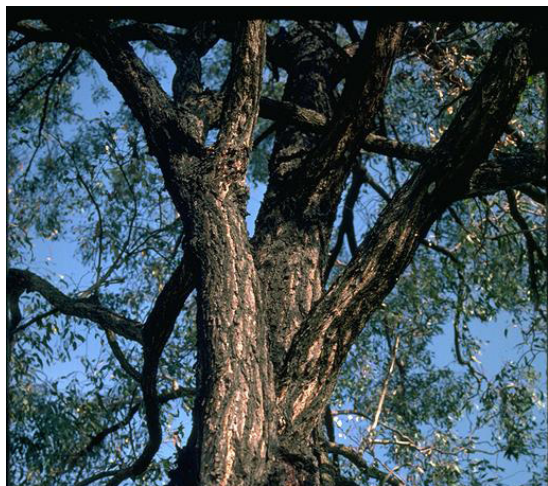
Acacia implexa



Eucalyptus crebra



Eucalyptus eugenioides



Eucalyptus fibrosa



Casuarina glauca



Exocarpos cupressiformis



Backhousia myrtifolia



Acacia falcata



Acacia parramattensis



Daviesia ulicifolia



Casuarina cunninghamiana



Hardenbergia violacea



Bursaria spinosa



Breynia oblongifolia



Callistemon salignus



Dillwynia juniperina



Tristaniopsis laurina



Acacia binervia



Hakea sericea



Melaleuca decora



Carex appressa



Dianella longifolia



Lomandra filiformis



Doryanthes excelsa



Dianella revoluta



Hibbertia diffusa



Lomandra longifolia



Lomandra multiflora



Microlaena stipoides



Dichondra repens



Poa labillardieri



Scaevola aemula



Viola hederacea



Dichelachne micrantha

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Planting Schedule & Images

DWG No: SSD-08

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