



APPENDIX L

LANDSCAPE DESIGN REPORT

CENTRAL SYDNEY INDUSTRIAL ESTATE - SSD
9 DEVON STREET, ROSEHILL, NSW 2142

LANDSCAPE DESIGN REPORT

Report Ref: **200411_SSD_RPT_LAN_LDR01**

Prepared for:

VE PROPERTY

Prepared By:

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Document Status

Issue	Issue	Signature	Date
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D	FOR SSD SUBMISSION	BG	14.08.20
E	FOR SSD SUBMISSION	BG	17.08.20
F	FOR SSD SUBMISSION	BG	21.08.20
G	FOR SSD SUBMISSION	BG	08.09.20
H	FOR SSD SUBMISSION	BG	11.09.20

1.0 - The Project

This Landscape Design Report (LDR) relates to a proposed Industrial Estate located at 9 Devon Street, Rosehill, NSW. The proposal comprises of a staged eight lot subdivision, estate landscaping and riparian corridor works. The submission also incorporates Downer Sustainable Road Resource Centre (Stage 1). The Stage 1 works include the asphalt plant, reconomy facility, workshop, silos, main office, car parking, storage hardstand, road access and associated earthworks and landscaping.

The development is located on the site of the former Shell Clyde refinery and has an area of approximately 35 hectares. It is within the City of Parramatta Council Local Government Area and is zoned in Parramatta LEP as IN3 Heavy Industrial. Of the 35 hectares approximately 1.5 hectares is a riparian corridor in the form of a 30m offset from Duck River. Approximately 7 hectares defined for the Stage 1 Lot 6 Downer Sustainable Road Resource Centre. Streetscape works are also proposed for an access road reserve. The estate is bound by Devon Street to the north, the Clyde Refinery to the east, Duck River to the south and existing industrial development to the west.

Duck River is zoned W1 Natural Waterways under the Parramatta Local Environmental Plan 2011 (LEP). The principal objective of W1 is to protect the ecological and scenic values of natural waterways, and development is highly restricted to achieve this objective. All existing vegetation is to be retained and no development is proposed in this zone.

Along the existing shoreline, Mangrove Forests species and Swamp Oak Floodplain Forest are present. The swamp oak forest is an endangered ecological community (EEC).

Retained existing shoreline vegetation, proposed riparian planting and a 5m landscape buffer to Devon and Colquhoun Streets, will help to screen or filter potential visual impacts generated by the development and integrate the site into the surrounding landscape character.

This design report has been prepared as part of an SSD submission to the Department of Planning, Industry and Environment and is to be read alongside Geoscapes landscape design drawings SSD-00 to SSD-17. This report, the landscape design drawings and the vegetation management plan (AECOM) addresses the following requirement from the Minister's SEARs:

11. Visual Impact

- *detailed plans showing suitable landscaping which incorporates endemic species.*



2.0 - Overall Design Approach

2.1 Landscaping Areas

Total available landscape area for the industrial estate is approximately 31,373m² with a proportion of this being existing vegetation to be retained.

Within Stage 1 (Lot 6) the total landscape area is 10,838m², this represents 15.5% of the total site area of Lot 6 (69,846m²). Of the 10,838m², approximately 2182m² is existing vegetation to be retained and the remaining 8,656m² is proposed as new planting along the site's southern riparian zone, eastern and western boundaries, and lab/office parking areas. This also includes the future northern 5m setback, the details of which are subject to a future approval. The design also proposes to retain existing street trees along Devon Street and new tree planting along the access road.

Following earthworks approximately 24.20 hectares of land is proposed to be hydroseeded or sprayed with a tackifier for soil stabilisation. Post construction an additional area of 1.2 hectares in the northern part of Lot 6 will be treated with gravel or hydroseed. This land is subject to a future approval.

2.2 Landscape Design Objectives

Landscaping aims to achieve the following outcomes:

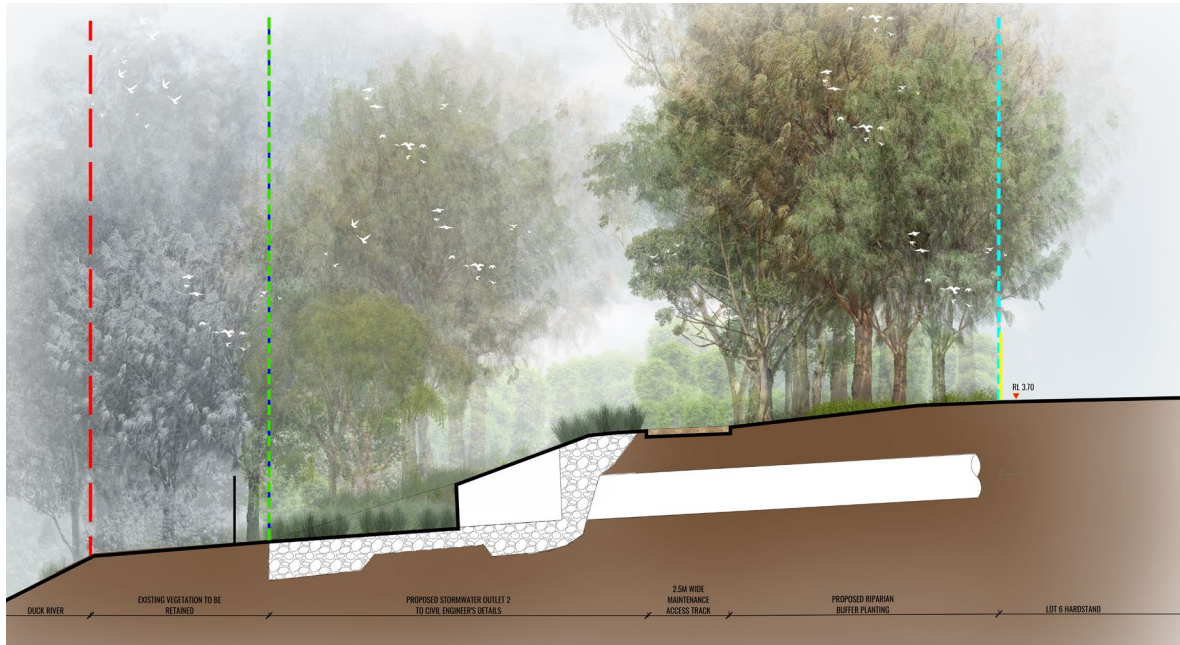
- Strengthen local character with the use of endemic and native species. These are to be selected predominantly from the Paramatta City Council species lists and from the Vegetation Management Plan (VMP) prepared by AECOM.
- Preserve and retain street trees along Devon Street wherever possible and strengthen visual character of the estate through the use of street trees along the new access road.
- Maintain a 5m landscape setback along Devon Street and Colquhoun Street. Planting design within this setback is subject to a future approval.
- Create a visual buffer along the western boundary of the Lot 6 Downer site, with a dense mix of native evergreen tree and shrub planting.
- Manage stormwater by planting the swale along Lot 6's eastern boundary, the bioretention basin and the stormwater outlet rip-raps with suitable native grass species.
- Hydroseed or tackifier use in disturbed areas for erosion and sediment control immediately after subdivision earthworks.
- Protect and enhance the existing ecological character by revegetating areas identified within the riparian management zone. Tree canopy cover to constitute at least 60% of revegetation area and include species that have been listed in the VMP.



3.0 – Landscape Design Proposals

3.1 Riparian Corridor/Buffer Zone - South

A 30m wide riparian corridor on the northern side of Duck River is proposed. This riparian corridor is fully structured with trees, shrubs, grasses and groundcovers. The riparian buffer will consist of approximately 286 large canopy and a sub canopy species which have been selected from the Swamp Oak Floodplain Forest Endangered Ecological Community (EEC). These are to be supplemented with *Eucalyptus tereticornis* in accordance with the VMP's recommendations. The tree canopy cover constitutes about 60% of the revegetation area and a 2.5m wide decomposed gravel track has been proposed within this zone for maintenance access. The stormwater outlet's rip-rap is planted intermittently with native grasses.



TYPICAL SECTION THROUGH RIPARIAN CORRIDOR

3.2 Streetscape works for Access Road Reserve

A 21m wide access road reserve is proposed for the estate. It comprises of a 13.5m wide carriageway for vehicles and provides access to lots 2,3,4,5 and 7. The proposed turfed verge on the eastern side contains a new 1.2m wide footpath with *Melaleuca linariifolia* (Snow-in-Summer) as street trees spaced every 8m along the road. The western turfed verge comprises of a 2.4m wide pedestrian and cycle path.

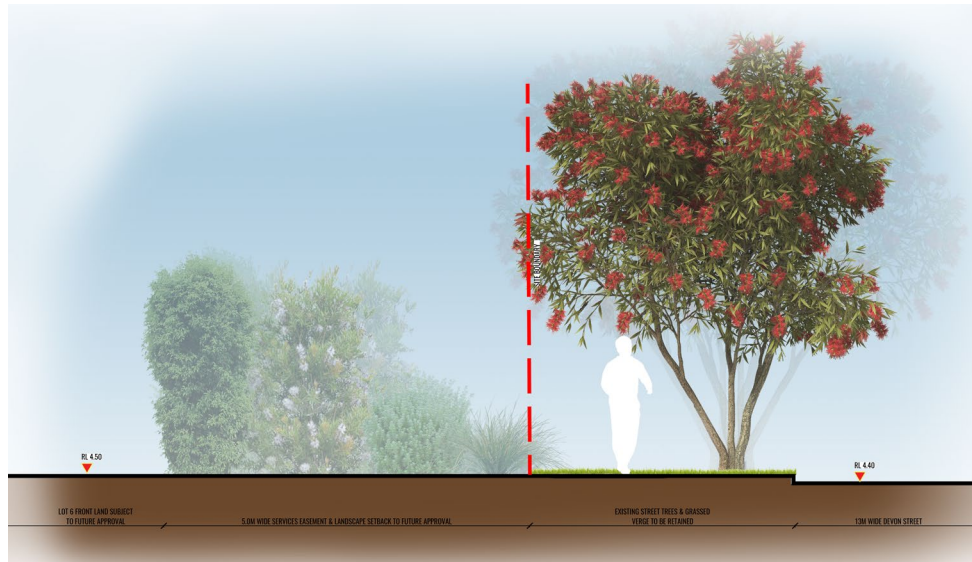


TYPICAL STREETSCAPE SECTION



3.3 Stage 1 Lot 6 Downer Site - North

Entry to the proposed Stage 1 Lot 6 Downer Sustainable Road Resource Centre is situated to the north of the site along Devon Street. The existing line of mature trees and turfed verge along the street are proposed to be retained wherever possible and only to be removed at vehicular entry points. A 5m landscape setback is to be maintained within the proposed easement for services for all lots along Devon Street and Colquhoun Street. This will provide visual screening along the street frontage. All planting within this setback is subject to future approval.



TYPICAL SECTION THROUGH NORTHERN 5M LANDSCAPE SETBACK

3.4 Stage 1 Lot 6 Downer Site – West

A 5m wide landscape buffer is proposed to the western boundary of Lot 6. This is intended to provide dense screening to the adjoining lots 4 and 5. It comprises of structured native evergreen trees, shrubs, grasses and groundcovers that require low maintenance and will be planted on a slope of 1 in 4. Proposed species have been selected predominantly from the Paramatta City Council's plant list and those suggested in the VMP.

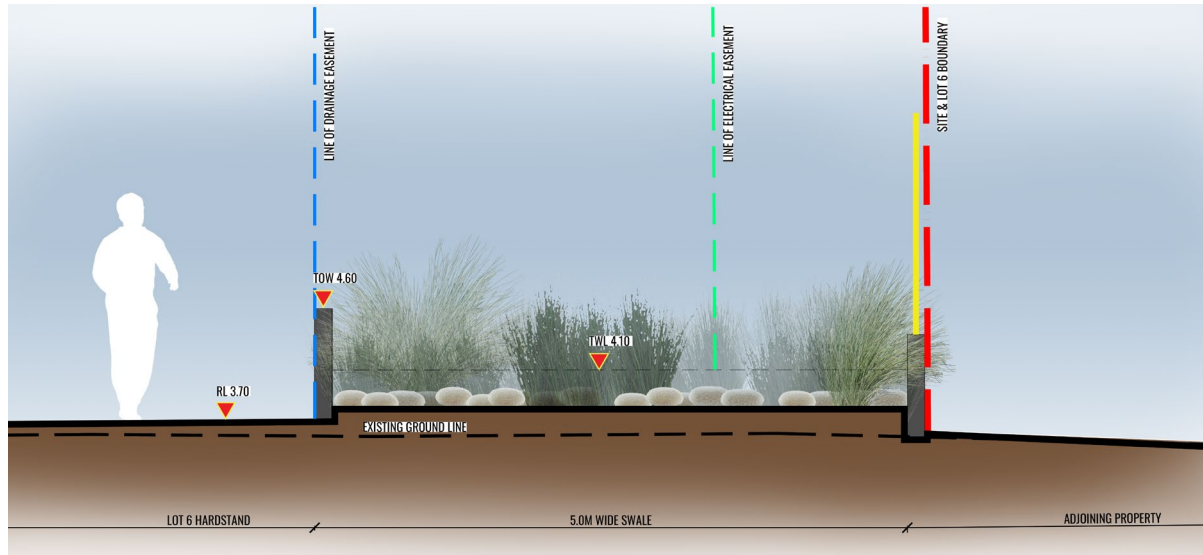


SECTION THROUGH EASTERN 5M LANDSCAPE BUFFER



3.5 Stage 1 - Lot 6 Downer Site - East

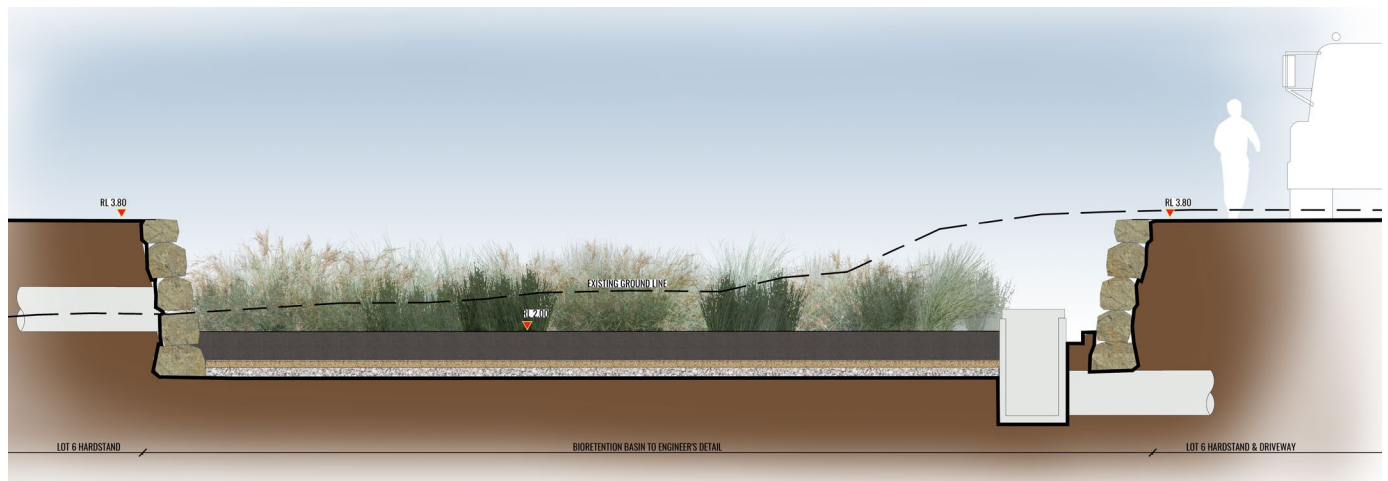
The swale proposed along the drainage and electrical easements on the site's eastern boundary will be a mix of low maintenance native grasses planted at a density of 3/m² and 30-40mm Nepean river pebbles for unobstructed flows. It continues south into the riparian buffer zone.



SECTION THROUGH SWALE ON EASTERN BOUNDARY

3.6 Stage 1 - Lot 6 Downer Site Bio-retention Basin

The bioretention basin located in the south west corner of the Lot 6 Downer site has a total area of 592 m². It is planted with a mix of native grasses at a density of 5/m² to assist with stormwater filtration processes.



SECTION THROUGH BIORETENTION BASIN



4.0 – Planting Species and Schedules

Endemic plant species found within the Swamp Oak Floodplain Forest EEC have been selected together with additional native species in accordance with the VMP and recommendations from AECOM.

Riparian Corridor Planting - Swamp Oak Floodplain Forest								
CODE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	MATURE WIDTH	POT SIZE	NATIVE	PLANTING DENSITY	QTY*
Trees Canopy Species								
ALP EXC	<i>Alphitonia excelsa</i>	Red Ash	20m	15m	Forestry Tube	✓	AS SHOWN	9
CAS GLA	<i>Casuarina glauca</i>	Swamp Oak	20m	15m	Forestry Tube	✓	AS SHOWN	9
GLO FER	<i>Glochidion ferdinandi</i>	Cheese Tree	15m	8m	Forestry Tube	✓	AS SHOWN	8
MEL STY	<i>Melaleuca styphelioides</i>	Prickly-leaved Tea Tree	10m	8m	Forestry Tube	✓	AS SHOWN	9
EUC TER	<i>Eucalyptus tereticornis</i>	Forest Red Gum	20-30m	5m	Forestry Tube	✓	AS SHOWN	8
Small Trees / Shrubs								
ACM smi	<i>Acmena smithii</i>	Lilly Pilly	3-5m	2m	Tube	✓	AS SHOWN	47
BUR spi	<i>Bursaria spinosa</i>	Boxthorn	4m	3m	Tube	✓	AS SHOWN	65
CUP ANA	<i>Cupaniopsis anacardioides</i>	Tuckeroo	6m	3m	Tube	✓	AS SHOWN	7
CAL SAL	<i>Callistemon salignus</i>	Sweet Willow Bottlebrush	8m	5m	Tube	✓	AS SHOWN	10
IND aus	<i>Indigofera australis</i>	Australian Indigo	2m	2m	Tube	✓	AS SHOWN	49
MEL dec	<i>Melaleuca decora</i>	White feather Honey Myrtle	8m	4m	Tube	✓	AS SHOWN	61
MEL ERI	<i>Melaleuca ericifolia</i>	Swamp Paperbark	9-15m	3m	Tube	✓	AS SHOWN	15
Grasses and Groundcovers 1 per 2.5m² in fully structured vegetation only								
BLE ind	<i>Blechnum indicum</i>	Swamp Water-fern	1m	Nil	Forestry Tube	✓	AS SHOWN	923
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Forestry Tube	✓	AS SHOWN	923
DIA cae	<i>Dianella caerulea</i>	Blue Flax Lily	0.8m	1.5m	Forestry Tube	✓	AS SHOWN	772
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Forestry Tube	✓	AS SHOWN	923
ISO inu	<i>Isolepis inundata</i>	Swamp Club-sedge	0.5m	0.5m	Forestry Tube	✓	AS SHOWN	923
LOM lon	<i>Lomandra longifolia</i>	Spiny-headed Mat-Rush	0.8m	0.8m	Forestry Tube	✓	AS SHOWN	772
VIO ban	<i>Viola banksii</i>	A Violet	0.40m	Nil	Forestry Tube	✓	AS SHOWN	772
Vines 1 per 25m² in fully structured vegetation only								
PAR str	<i>Parsonsia straminea</i>	Common Silkpod	0.1m	Nil	Tube	✓	AS SPECIFIED	169
STE dis	<i>Stephania japonica var. discolor</i>	Snake Vine	na	Nil	Tube	✓	AS SPECIFIED	169
FLA ind	<i>Flagellaria indica</i>	Whip Vine	15m	Nil	Tube	✓	AS SPECIFIED	169
Stormwater Outlet Rip-rap planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tubestock	✓	5/m ²	84
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tubestock	✓	5/m ²	84
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tubestock	✓	5/m ²	84
Swale planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tube	✓	3/m ²	47
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tube	✓	3/m ²	47
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tube	✓	3/m ²	47
*Final plant number to be calculated at CC stage								



Stage 1 Lot 6 Downer Site Planting								
CODE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	MATURE WIDTH	POT SIZE	NATIVE	PLANTING DENSITY	QTY*
Trees								
CAL SAL	<i>Callistemon salignus</i>	Sweet Willow Bottlebrush	8m	5m	14LT	✓	AS SHOWN	9
ELA RET	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	9m	4m	75LT	✓	AS SHOWN	24
EUC TER	<i>Eucalyptus tereticornis</i>	Forest Red Gum	20-30m	5m	75LT	✓	AS SHOWN	6
GLO FER	<i>Glochidion ferdinandi</i>	Cheese Tree	15m	8m	100LT	✓	AS SHOWN	10
WAT FLO	<i>Waterhousea floribunda</i>	Weeping Lilly Pilly	8m	5m	75LT	✓	AS SHOWN	12
Shrubs & Hedge planting								
ACM smi	<i>Acmena smithii</i>	Lilly Pilly	3m**	1m	200mm	✓	750mm Ctrs	576
BUR spi	<i>Bursaria spinosa</i>	Sweet Bursaria	1.5-4m	1.5-3m	200mm	✓	AS SHOWN	42
COR alb	<i>Correa alba</i>	White Correa	1.5m	1.5m	200mm	✓	AS SHOWN	53
COR gla	<i>Correa glabra 'Ivory Lantern'</i>	Rock Correa	1.6m	0.6m	200mm	✓	AS SHOWN	49
COR ref	<i>Correa reflexa</i>	Native Fuchsia	0.5-1.2m	0.5m	200mm	✓	AS SHOWN	48
CAL rev	<i>Callistemon citrinus 'Reeve's Pink'</i>	Reeve's Pink Bottlebrush	3m	2m	200mm	✓	AS SHOWN	147
CAL whi	<i>Callistemon citrinus 'White Anzac'</i>	Bottlebrush	0.5-1.5m	2m	200mm	✓	AS SHOWN	138
CRI ped	<i>Crinum pedunculatum</i>	Swamp Lily	1.5-3m	1-3m	200mm	✓	AS SHOWN	10
DOR exc	<i>Doryanthes excelsa</i>	Gynea Lily	2-3m	2-3m	200mm	✓	AS SHOWN	7
Grasses and Groundcovers								
DIA bre	<i>Dianella caerulea 'Breeze'®</i>	Blue Flax Lily	0.8m	0.8m	Tubestock	✓	5/m2	855
DIA lil	<i>Dianella caerulea 'Little Jess'™</i>	Blue Flax Lily	0.4m	0.4m	Tubestock	✓	5/m2	755
LOM tan	<i>Lomandra longifolia 'Tanika'®</i>	Spiny-headed Mat-Rush	0.8m	0.6m	Tubestock	✓	5/m2	769
LOM kat	<i>Lomandra longifolia 'Katrinus Deluxe'</i>	Spiny-headed Mat-Rush	0.8m	0.8m	Tubestock	✓	5/m2	879
VIO ban	<i>Viola banksii</i>	Native Violet	0.4m	Nil	140mm	✓	3/m2	1014
Bioretention Basin planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tubestock	✓	5/m2	592
GAH cla	<i>Gahnia clarkii</i>	Saw Sedge	1.5m	1.5m	Tubestock	✓	5/m2	592
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tubestock	✓	5/m2	592
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tubestock	✓	5/m2	592
THE tri	<i>Themeda triandra</i>	Kangaroo Grass	1.5m	1.5m	Tubestock	✓	5/m2	592
Basin Outlet Rip-rap planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tubestock	✓	5/m2	21
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tubestock	✓	5/m2	21
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tubestock	✓	5/m2	21
Swale planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tubestock	✓	3/m2	1860
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tubestock	✓	3/m2	1860
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tubestock	✓	3/m2	1860
*Final plant number to be calculated at CC stage								
**To be trimmed to specified height								

Proposed Access Road Street tree planting								
CODE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	MATURE WIDTH	POT SIZE	NATIVE	PLANTING DENSITY	QTY*
Trees								
MEL LIN	<i>Melaleuca linariifolia</i>	Snow in Summer	10m	4m	75LT	✓	AS SHOWN	35



5.0 – Conclusion

The proposed landscape design aims to introduce new endemic and native planting to the development site that will be cohesive with the natural character found in the surrounding riparian ecology of Duck River. Following maturity, planting will also help to blend the development into the surrounding context by filtering and softening views of the built forms.

Existing street trees are retained where possible and new street trees have been proposed along the access road to strengthen the estate's visual character. An additional landscape setback is provided for all lots that face Devon Street and Colquhoun Street. The planting to this setback is subject to future approval.

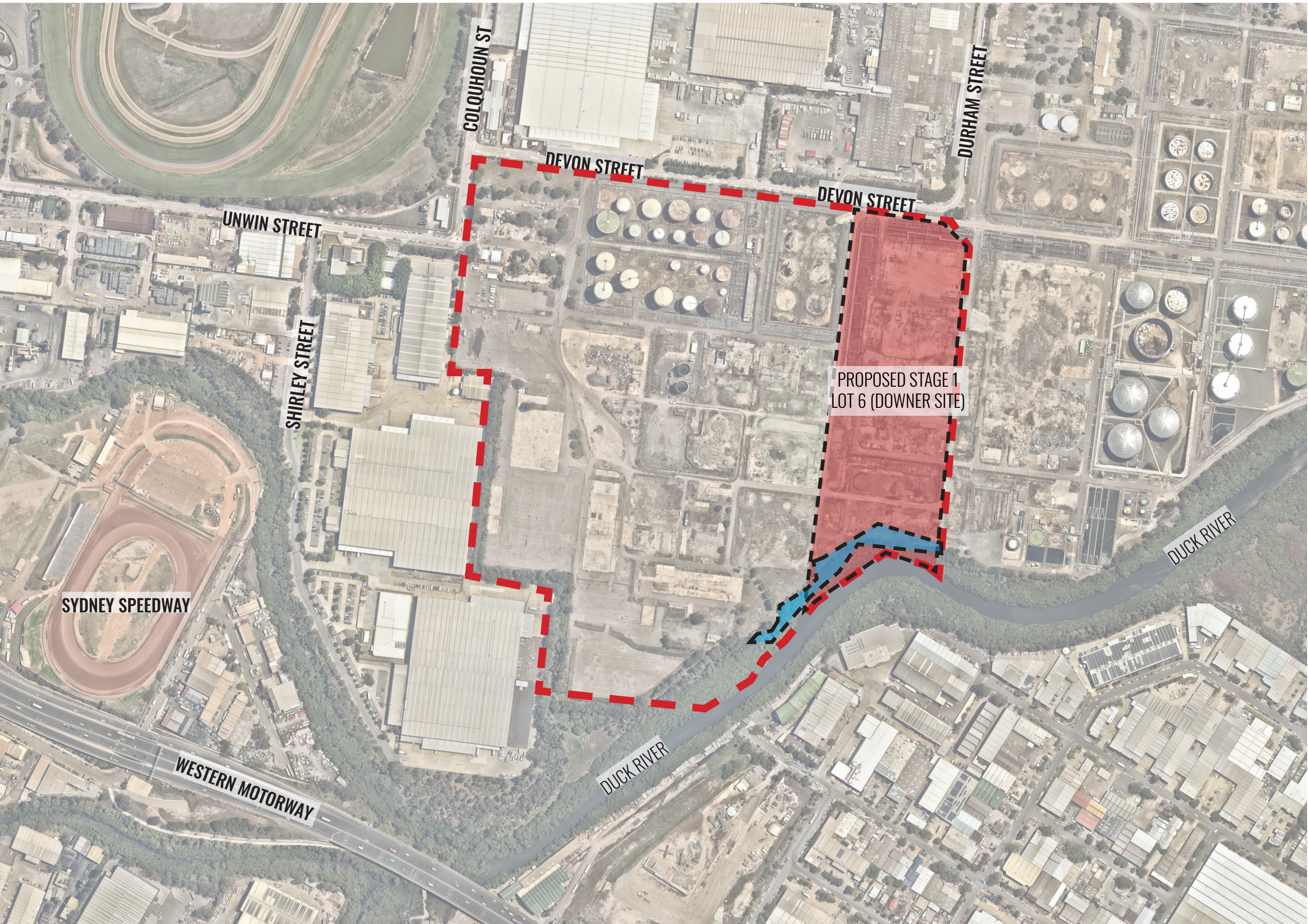
Existing vegetation along Duck River is to be retained and protected. Riparian planting proposed in the revegetation area complies with all requirements detailed in the VMP. Structured planting proposed in landscape buffer zones will be effective in helping to screen boundaries between lots.

The proposed swale, bioretention basin and stormwater outlets are planted with a mix of native grasses that will allow unobstructed flows and aid with the filtration of stormwater. All new planting proposed is either endemic, or native low water use and this approach will be adopted across the entire site.



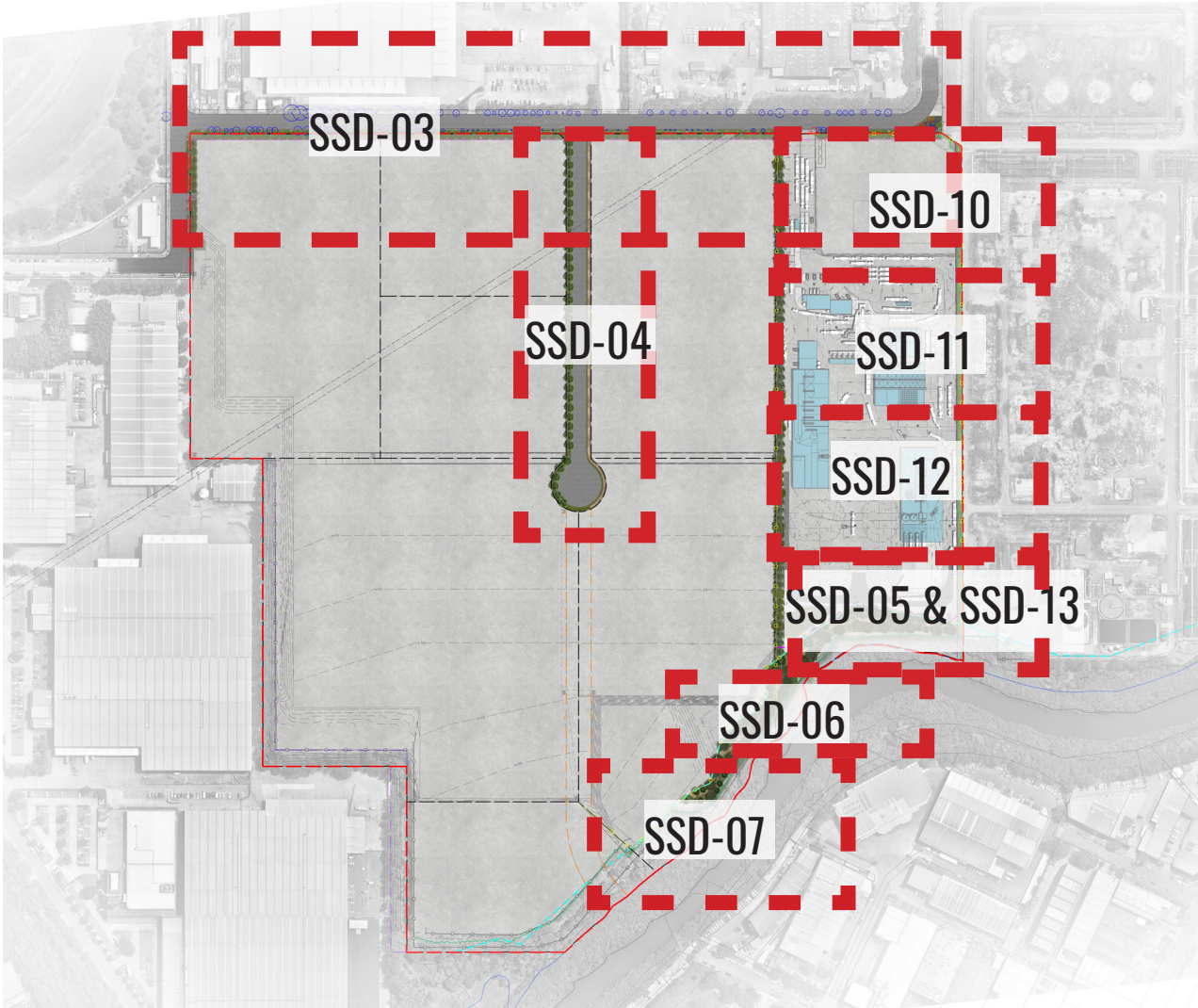
SSD - CENTRAL SYDNEY INDUSTRIAL ESTATE - 9 DEVON STREET, ROSEHILL, NSW 2142

Landscape Documentation for State Significant Development Application



SUBDIVISION BOUNDARY EXTENT OF RIPARIAN WORKS EXTENT OF STAGE 1 (LOT 6) WORKS

IMAGE TAKEN FROM NEARMAP 2020



KEY PLAN - SHEET LAYOUTS

SCALE 1:6000



SITE PLAN

SCALE 1:3000

Drawing Register

Dwg No.	Drawing Name		
SSD-00	Cover Sheet	SSD-09	Riparian Corridor Section B-B
SSD-01	Overall Master Plan	SSD-10	Stage 1 Lot 6 (Downer) Detail Plan - 1
SSD-02	Temporary Erosion Control Plan	SSD-11	Stage 1 Lot 6 (Downer) Detail Plan - 2
SSD-03	Streetscape Plan - Devon Street	SSD-12	Stage 1 Lot 6 (Downer) Detail Plan - 3
SSD-04	Streetscape Plan - Proposed Access Road	SSD-13	Stage 1 Lot 6 (Downer) Detail Plan - 4
SSD-05	Riparian Corridor Detail Plan - 1	SSD-14	Stage 1 Lot 6 (Downer) Section CC
SSD-06	Riparian Corridor Detail Plan - 2	SSD-15	Stage 1 Lot 6 (Downer) Section DD & EE
SSD-07	Riparian Corridor Detail Plan - 3	SSD-16	Specifications & Typical Details
SSD-08	Riparian Corridor Section A-A	SSD-17	Plant Schedules & Imagery

Drawing Title:
Cover Sheet
DWG No:

SSD-00

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Scale:	Date:	Job Number:	North:	Revision					FOR SSD APPLICATION	
As shown @ A1	11.09.2020	200411		Rev	Date	Description	Drawn	Checked		
Project:	SSD - Central Syney Industrial Estate 9 Devon Street, Rosehill, NSW 2142			F	17.08.20	UPDATED FOR SSD	SB	BG		
				G	21.08.20	UPDATED FOR SSD	SB	BG		
				H	09.09.20	UPDATED FOR SSD	SB	BG		
				I	11.09.20	UPDATED FOR SSD	SB	BG		



LEGEND

- SITE BOUNDARY
- LOT BOUNDARIES
- EASEMENT TO DRAIN WATER. REFER TO SURVEY DRAWINGS.
- EASEMENT 6.095M WIDE FOR SYDNEY WATER. REFER TO SURVEY DRAWINGS.
- RIGHT OF ACCESS & EASEMENT FOR LOT 5 SERVICES. REFER TO SURVEY DRAWINGS.
- 5M WIDE EASEMENT FOR SERVICES. REFER TO SURVEY DRAWINGS.
- AUSGRID ELECTRICAL EASEMENT OVER EXISTING CABLE (APPROX). REFER TO SURVEY DRAWINGS.
- 5M WIDE LANDSCAPE SETBACK. REFER TO LOT 6 DETAIL PLANS SSD-09 TO SSD-12.
- EXISTING VEGETATION TO BE RETAINED.
- EXISTING VEGETATION TO BE REMOVED.
- PROPOSED TREES.
- PROPOSED MASS HEDGE PLANTING & SHRUBS.
- PROPOSED GROUNDCOVERS
- PROPOSED SWALE. REFER TO ENGINEER'S DRAWINGS.
- 30M RIPARIAN CORRIDOR EXTENT. REFER TO VMP FOR DETAILS.
- MEAN HIGH WATER LEVEL OF DUCK RIVER. REFER TO CIVIL DRAWINGS.
- APPROXIMATE EXTENT OF EXISTING TREE CANOPY TO BE RETAINED
- NEW FENCE TO ARCHITECT'S DETAIL. REFER SSD-03 TO SSD-14 FOR DETAILS.
- EXISTING FENCE REFER TO CIVIL ENGINEER'S DRAWINGS
- PROPOSED SITE CONTOURS TO ENGINEERS DETAILS
- DECO GRAVEL MAINTENANCE TRACK. REFER TO SSD-05 & SSD-06.
- LOT 6 DOWNER SITE BUILDINGS
- HARDSTAND
- FOOTPATH & TURFED VERGE
- ROAD

Drawing Title:
Overall Master Plan
DWG No:

SSD-01

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Scale:
1:1500 @ A1
1:3000 @ A3

Date:
11.09.2020

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Project: SSD - Central Syney Industrial Estate
9 Devon Street, Rosehill, NSW 2142

Revision				FOR SSD APPLICATION	
Rev	Date	Description	Drawn	Checked	
F	17.08.20	UPDATED FOR SSD	SB	BG	
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H	09.09.20	UPDATED FOR SSD	SB	BG	
I	11.09.20	UPDATED FOR SSD	SB	BG	



LEGEND

- SITE BOUNDARY
- LOT BOUNDARY
- AREAS TO BE HYDROSEED OR SUBJECTED TO TACKIFIER FOR SOIL STABILISATION (24.20 ha). REFER TO CIVIL DRAWINGS.
- CONSTRUCTION STAGING AREA (1.2 ha). POST CONSTRUCTION TREATED WITH GRAVEL OR HYDROSEED FOR SHORT TERM PARKING AS REQUIRED. FUTURE USE SUBJECT TO FUTURE DA.
- APPROXIMATE EXTENT OF EXISTING TREE CANOPY TO BE RETAINED
- 30M RIPARIAN CORRIDOR. REFER TO VMP FOR DETAILS.
- MEAN HIGH WATER LEVEL OF DUCK RIVER. REFER TO CIVIL DRAWINGS.
- EXISTING FENCE
REFER TO CIVIL ENG'S DRAWINGS
- PROPOSED SITE CONTOURS.
REFER TO CIVIL ENGINEER'S DRAWINGS.

Drawing Title:
Temporary Erosion Control Plan
DWG No:

SSD-02

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Project:

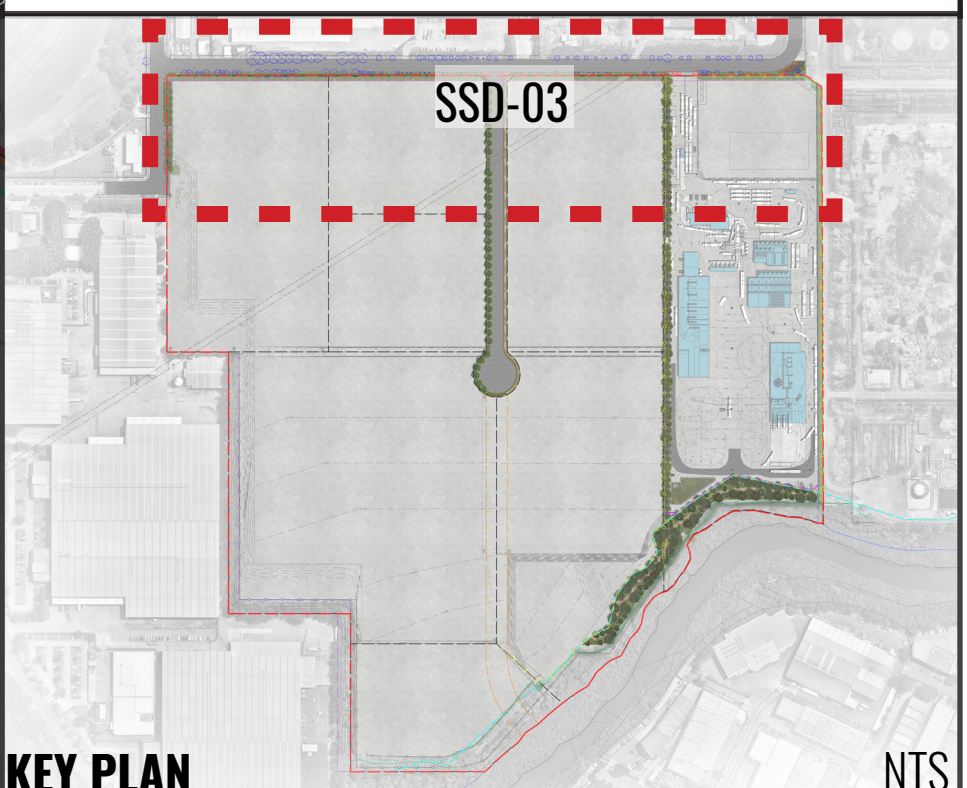
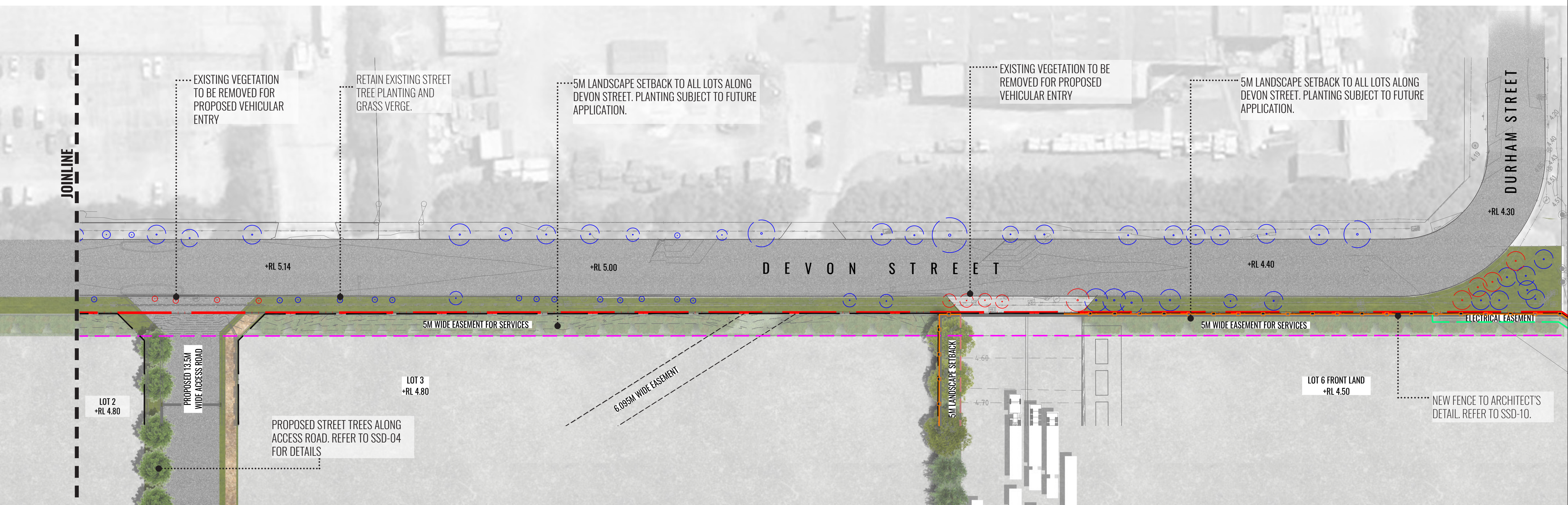
SSD - Central Syney Industrial Estate
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Revision			FOR SSD APPLICATION	
Rev	Date	Description	Drawn	Checked
F	17.08.20	UPDATED FOR SSD	SB	BG
G	21.08.20	UPDATED FOR SSD	SB	BG
H	09.09.20	UPDATED FOR SSD	SB	BG
I	11.09.20	UPDATED FOR SSD	SB	BG



LEGEND

- SITE BOUNDARY
- LOT BOUNDARY
- EXISTING VEGETATION TO BE RETAINED.
- EXISTING VEGETATION TO BE REMOVED.
- NEW 2.1M HIGH SECURITY FENCE TO ARCHITECT'S DETAIL. REFER TO SSD-09 TO SSD-12.
- EXISTING TURFED VERGE TO BE RETAINED
- EASEMENT 6.095M WIDE FOR SYDNEY WATER. REFER TO SURVEY DRAWINGS.
- 5M WIDE EASEMENT FOR SERVICES. REFER TO SURVEY DRAWINGS.
- 5M WIDE LANDSCAPE SETBACK. REFER TO DETAIL PLANS SSD-09 TO SSD-12.



Drawing Title:
Streetscape Plan - Devon Street
DWG No:

SSD-03

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ABN 84 620 205 781 ACN 620 205 781

Project Manager:
element
Element Environment
Pty. Ltd.

Client:
VE PROPERTY
LEVEL 16, 720 BOURKE STREET
DOCKLANDS VIC 3008
PH: (03) 8823 444

Scale:
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1:1000 @ A3

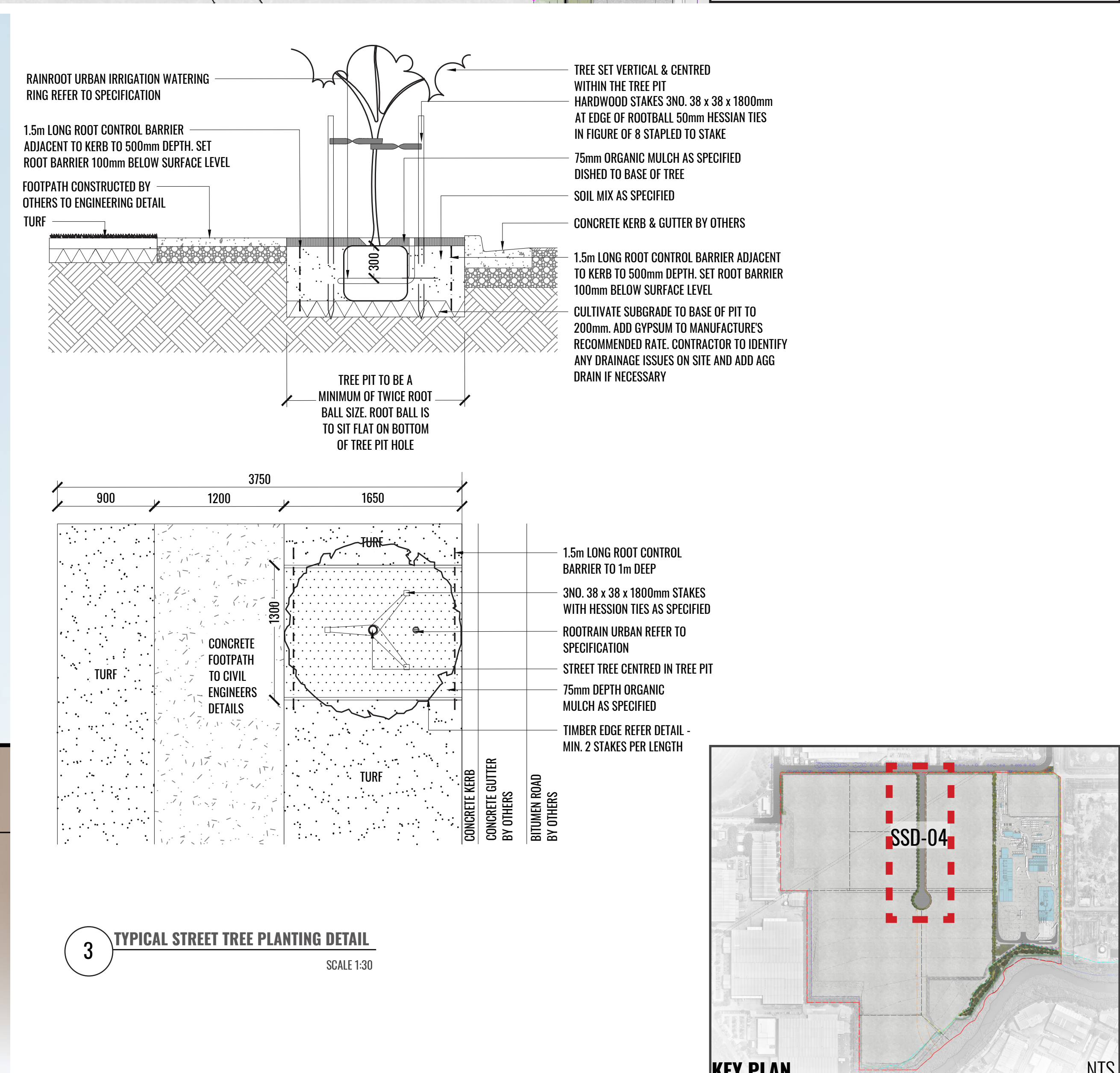
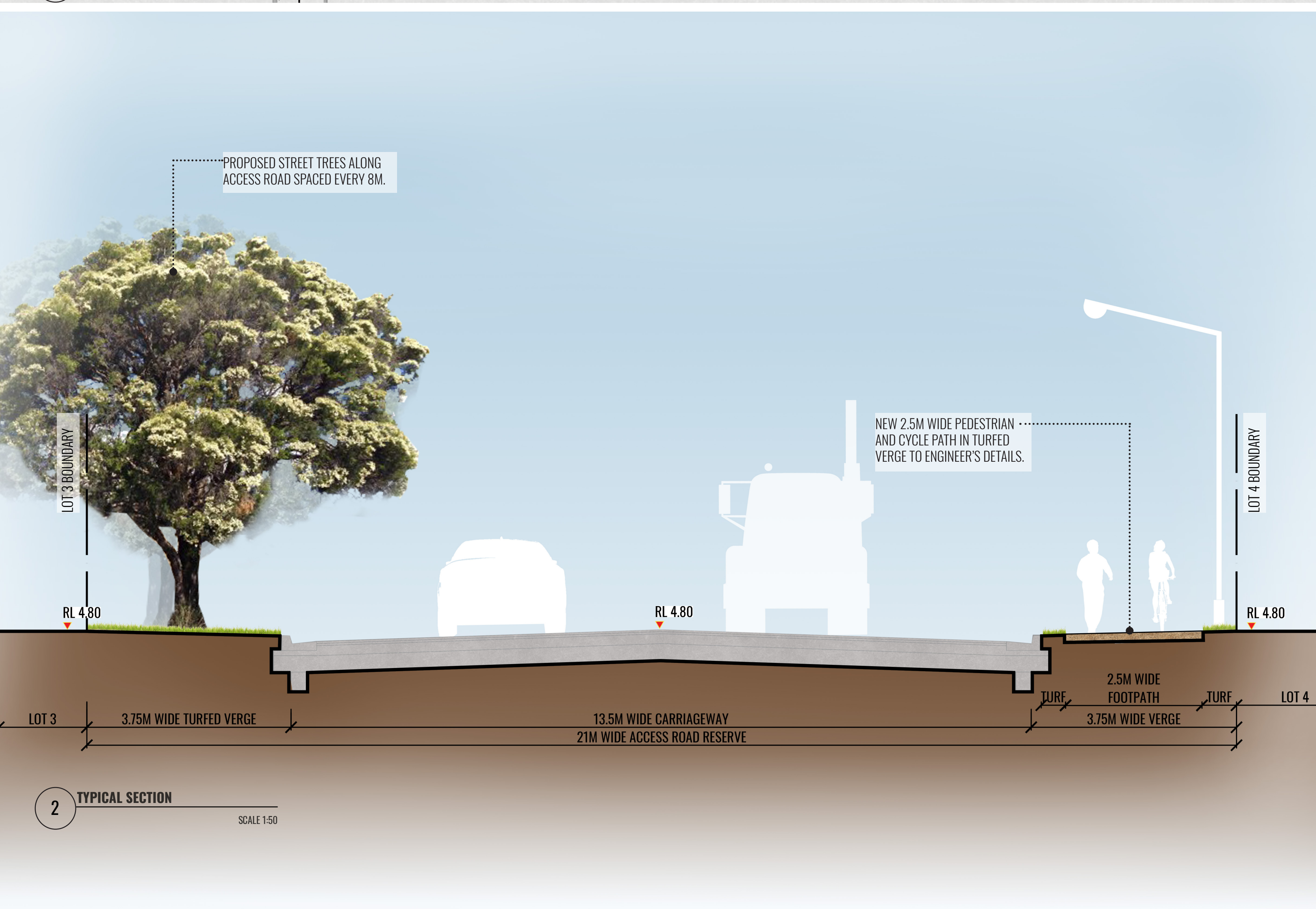
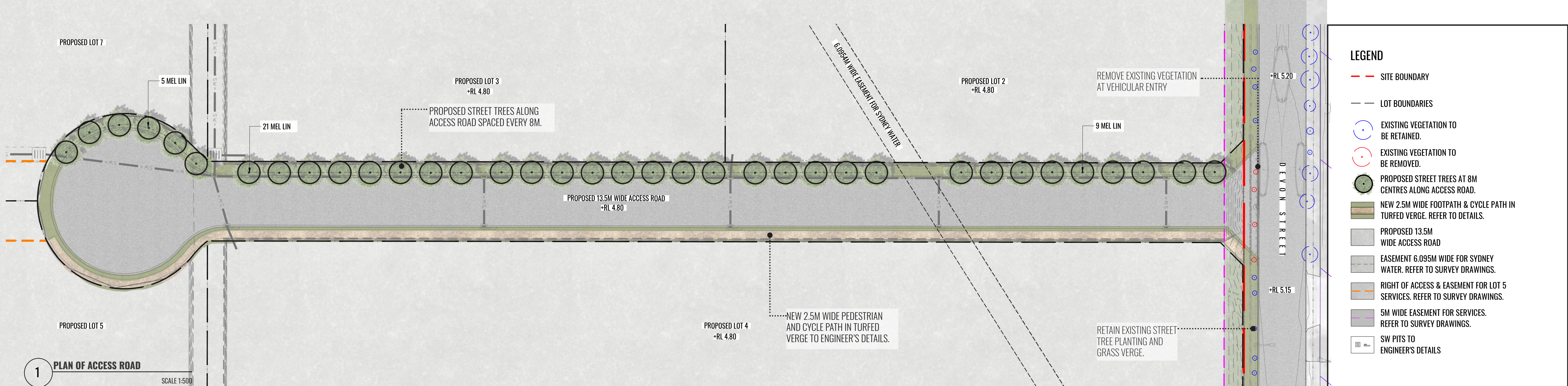
Date:
11.09.2020

Job Number:
200411

North:
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Project: **SSD - Central Syney Industrial Estate**
9 Devon Street, Rosehill, NSW 2142

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Rev	Date	Description	Drawn	Checked
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G	21.08.20	UPDATED FOR SSD	SB	BG
H	09.09.20	UPDATED FOR SSD	SB	BG
I	11.09.20	UPDATED FOR SSD	SB	BG



Drawing Title:
Streetscape Plan - Proposed Access Road
DWG No:
SSD-04

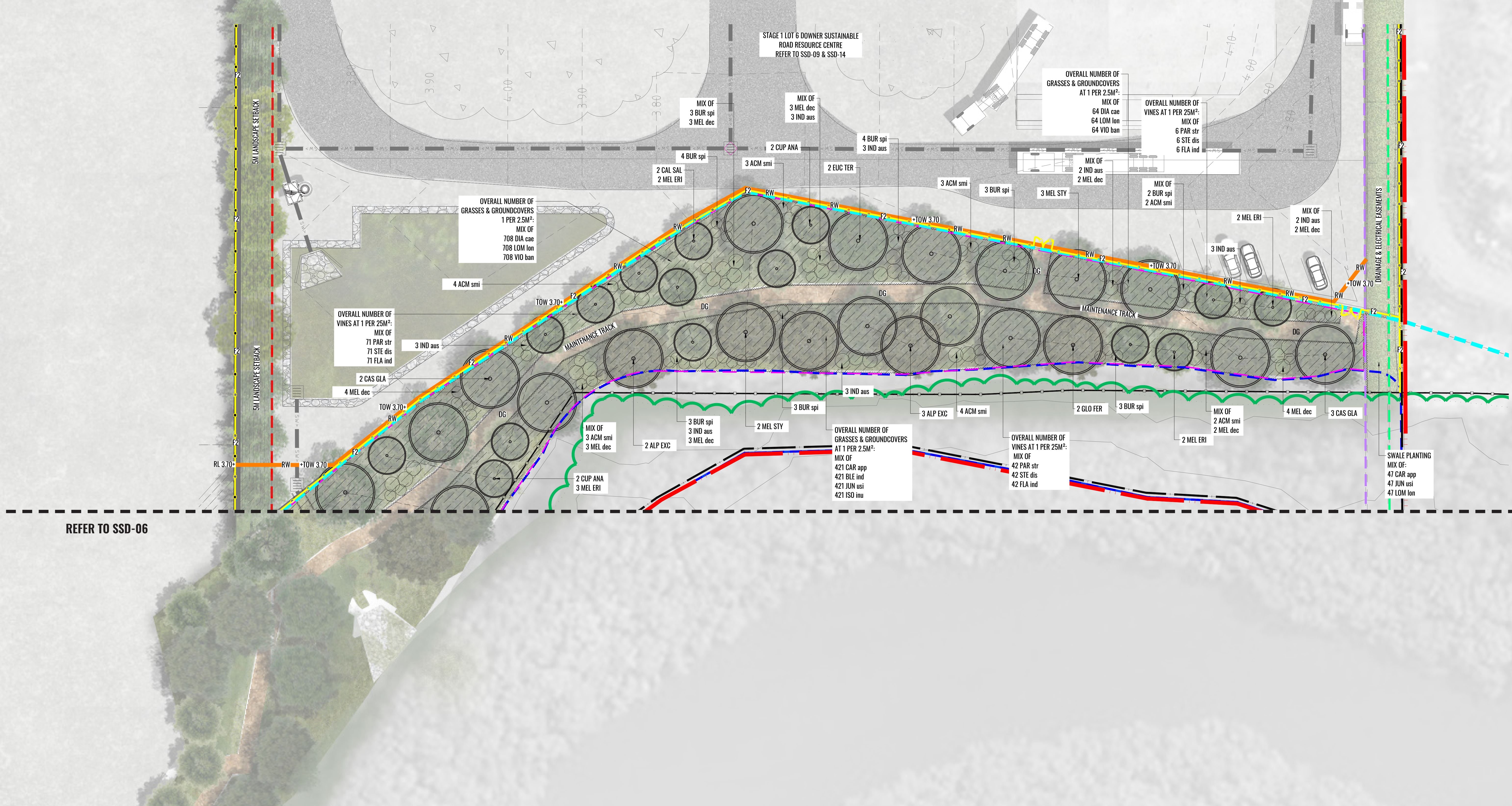
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ABN 84 620 205 781 ACN 620 205 781

Project Manager:
element
Element Environment
Pty. Ltd.

Client:
VE PROPERTY
LEVEL 16, 720 BOURKE STREET
DOCKLANDS VIC 3008
PH: (03) 8823 444

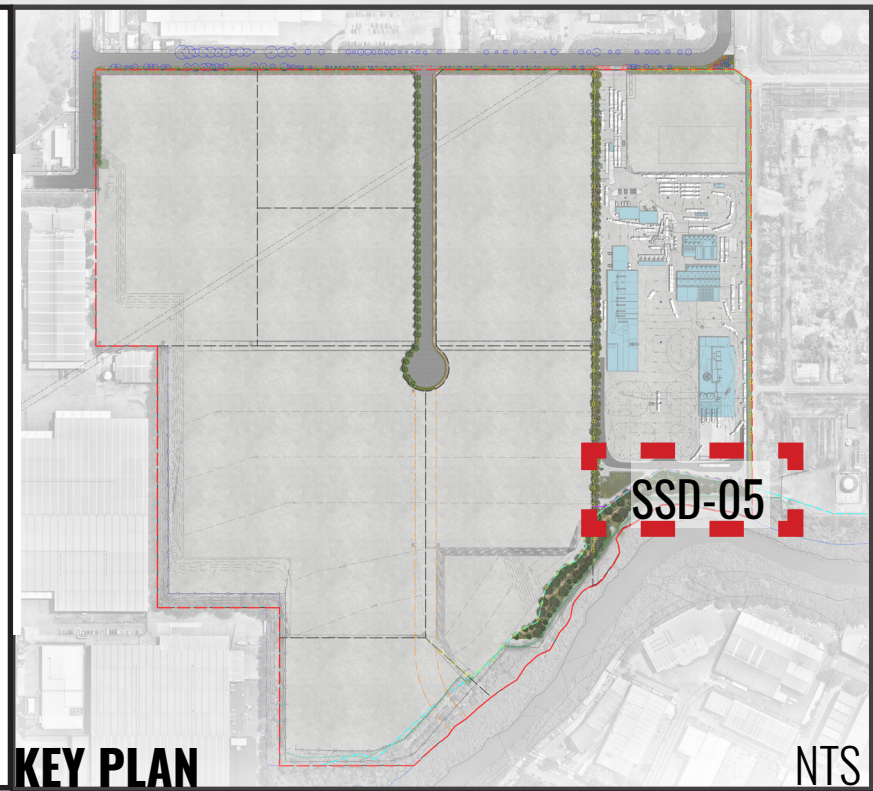
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Date: 11.09.2020
Job Number: 200411
North: 
Project: **SSD - Central Syney Industrial Estate**
9 Devon Street, Rosehill, NSW 2142

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Rev	Date	Description	Drawn	Checked		
F	17.08.20	UPDATED FOR SSD	SB	BG		
G	21.08.20	UPDATED FOR SSD	SB	BG		
H	09.09.20	UPDATED FOR SSD	SB	BG		
I	11.09.20	UPDATED FOR SSD	SB	BG		



LEGEND

- SITE BOUNDARY
- LOT BOUNDARIES
- MEAN HIGH WATER LEVEL OF DUCK RIVER. REFER TO CIVIL DRAWINGS.
- NEW 1.8M HIGH BLACK MESH FENCE & MAINTENANCE ACCESS GATE TO SUIT DOWNER SITE FENCE. REFER SSD 08-SSD 12.
- EASEMENT TO DRAIN WATER. REFER TO SURVEY DRAWINGS.
- EXISTING FENCE REFER TO CIVIL ENG'S DRAWINGS
- STORMWATER OUTLET WITH RIP-RAP PLANTING. REFER TO CIVIL ENGINEER'S DETAILS.
- AUSGRID ELECTRICAL EASEMENT OVER EXISTING CABLE (APPROX).
- PROPOSED TREES.
- RETAINING WALL TO ENGINEER'S DETAIL. REFER TO CIVIL DRAWINGS.
- 5M WIDE LANDSCAPE SETBACK.
- PROPOSED SHRUBS. REFER TO PLANTING SCHEDULE.
- 30M RIPARIAN CORRIDOR. REFER TO VMP FOR DETAILS.
- AREA FOR PROPOSED GROUNDCOVERS & VINES.
- EXTENT OF REVEGETATION AREA AS SPECIFIED IN THE VMP.
- 2.5M WIDE DECO GRAVEL MAINTENANCE TRACK
- EXTENT OF WEED MANAGEMENT AREA AS SPECIFIED IN THE VMP.
- PROPOSED SITE CONTOURS. REFER TO ENGINEERS DETAILS
- APPROXIMATE EXTENT OF EXISTING TREE CANOPY TO BE RETAINED
- STRUCTURED RIPARIAN BUFFER PLANTING INCLUDING GROUNDCOVERS & VINES PLANTED THROUGHOUT.



Drawing Title:
Riparian Corridor Detail Plan - 1
DWG No:

SSD-05

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DOCKLANDS VIC 3008
PH: (03) 8823 444

Scale:
1:250 @ A1
1:500 @ A3
Date:
11.09.2020
Job Number:
200411
North:
Project:
SSD - Central Syney Industrial Estate
9 Devon Street, Rosehill, NSW 2142

Revision					FOR SSD APPLICATION	
Rev	Date	Description	Drawn	Checked		
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G	21.08.20	UPDATED FOR SSD	SB	BG		
H	09.09.20	UPDATED FOR SSD	SB	BG		
I	11.09.20	UPDATED FOR SSD	SB	BG		



— — SITE BOUNDARY

 MEAN HIGH WATER LEVEL
DUCK RIVER. REFER TO
DRAWINGS.

F2 NEW 1.8M HIGH BLACK MESH FENCE & MAINTENANCE ACCESS GATE TO SUIT DOWNER SITE FENCE. REFER SSD 08-SSD 12.

 STORMWATER OUTLET WITH
RIP-RAP PLANTING. REFER TO
CIVIL ENGINEER'S DETAILS.

 PROPOSED TREES.

 RETAINING WALL TO ENGINEER'S
DETAIL. REFER TO CIVIL DRAWINGS.



**PROPOSED SHRUBS. REFER TO
PLANTING SCHEDULE.**

 AREA FOR PROPOSED
GROUNDCOVERS & VINES.

**DG 2.5M WIDE DECO GRA
MAINTENANCE TRACK**



PROPOSED SITE CONTOURS.
REFER TO ENGINEERS DETAILS

 **STRUCTURED RIPARIAN BUFFER
PLANTING INCLUDING GROUNDCOVERS
& VINES PLANTED THROUGHOUT.**



SSD-06

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1

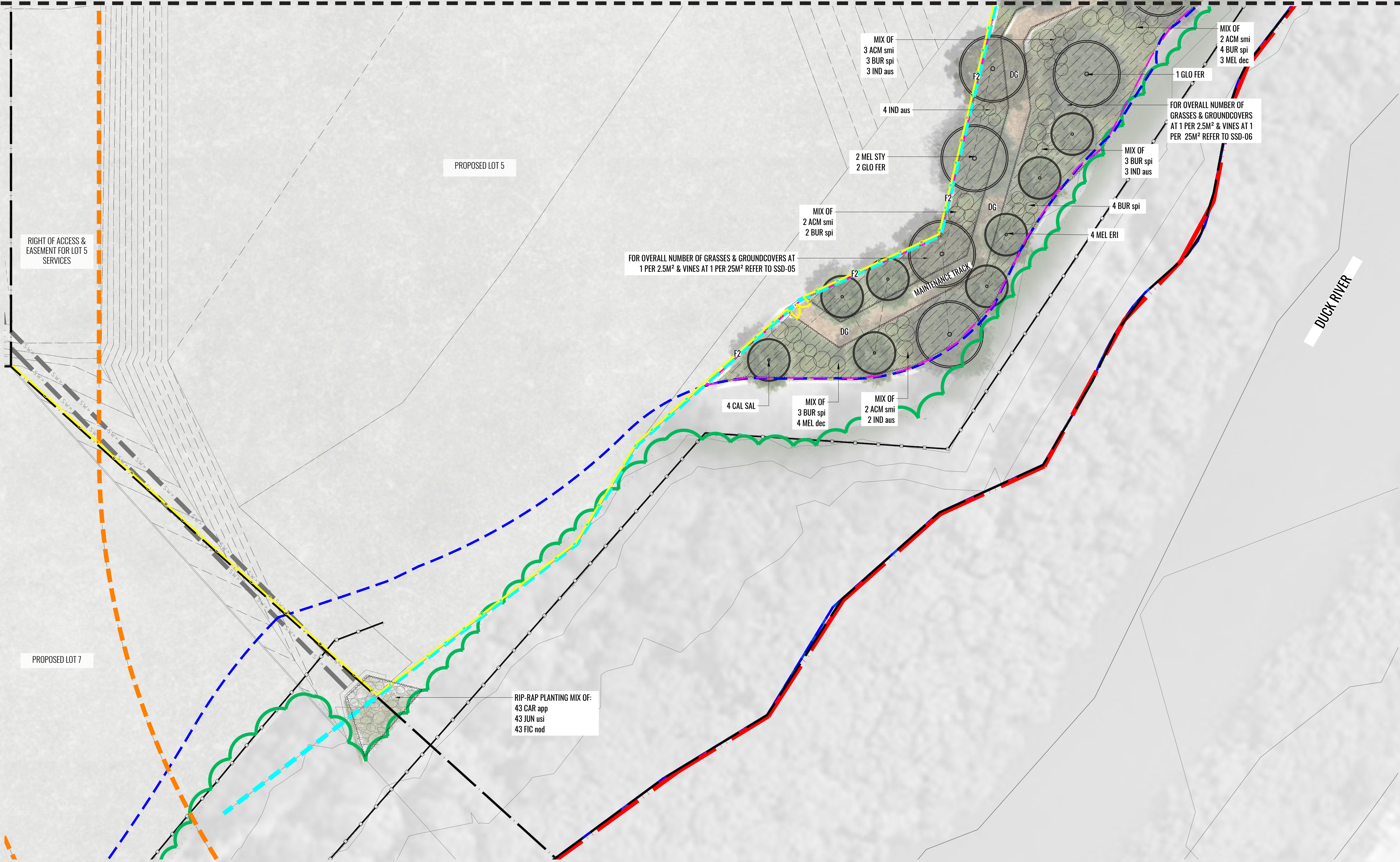
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NSW 214

Revision					FOR SSD APPLICATION	
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I	11.09.20	UPDATED FOR SSD	SB	BG		

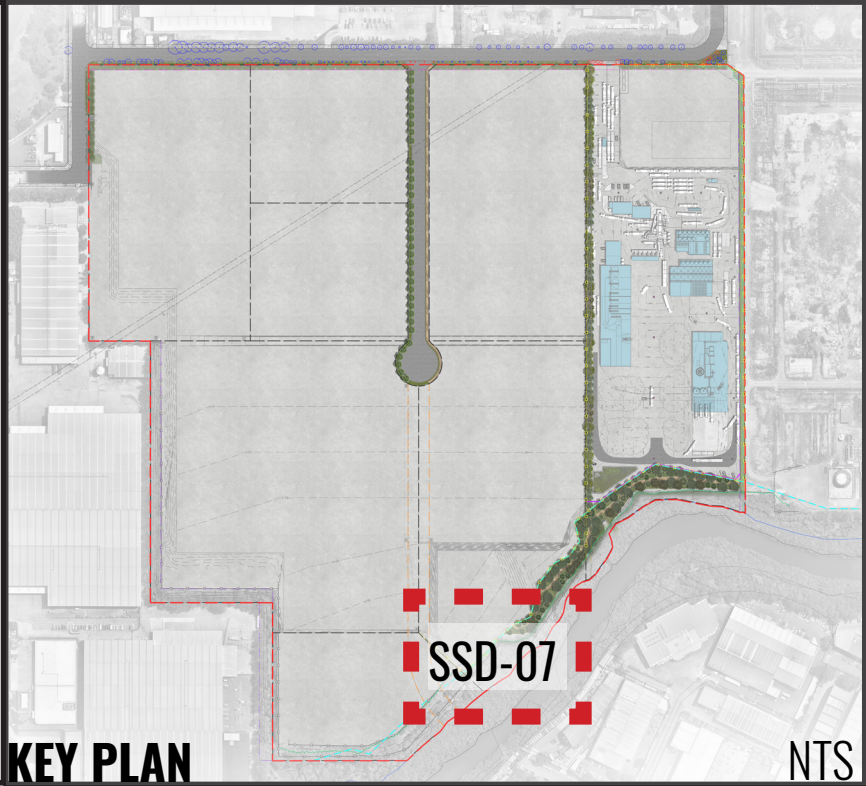
NTS

REFER TO SSD-05



LEGEND

- SITE BOUNDARY
- LOT BOUNDARIES
- MEAN HIGH WATER LEVEL OF DUCK RIVER. REFER TO CIVIL DRAWINGS.
- NEW 1.8M HIGH BLACK MESH FENCE & MAINTENANCE ACCESS GATE TO SUIT DOWNER SITE FENCE. REFER SSD 08-SSD 12.
- EASEMENT TO DRAIN WATER. REFER TO SURVEY DRAWINGS.
- EXISTING FENCE REFER TO CIVIL ENG'S DRAWINGS
- STORMWATER OUTLET WITH RIP-RAP PLANTING. REFER TO CIVIL ENGINEER'S DETAILS.
- AUSGRID ELECTRICAL EASEMENT OVER EXISTING CABLE (APPROX).
- PROPOSED TREES.
- RETAINING WALL TO ENGINEER'S DETAIL. REFER TO CIVIL DRAWINGS.
- 5M WIDE LANDSCAPE SETBACK.
- PROPOSED SHRUBS. REFER TO PLANTING SCHEDULE.
- 30M RIPARIAN CORRIDOR. REFER TO VMP FOR DETAILS.
- AREA FOR PROPOSED GROUNDCOVERS & VINES.
- EXTENT OF REVEGETATION AREA AS SPECIFIED IN THE VMP.
- 2.5M WIDE DECO GRAVEL MAINTENANCE TRACK
- EXTENT OF WEED MANAGEMENT AREA AS SPECIFIED IN THE VMP.
- PROPOSED SITE CONTOURS. REFER TO ENGINEERS DETAILS
- APPROXIMATE EXTENT OF EXISTING TREE CANOPY TO BE RETAINED
- STRUCTURED RIPARIAN BUFFER PLANTING INCLUDING GROUNDCOVERS & VINES PLANTED THROUGHOUT.



Drawing Title:
Riparian Corridor Detail Plan - 3
DWG No:

SSD-07

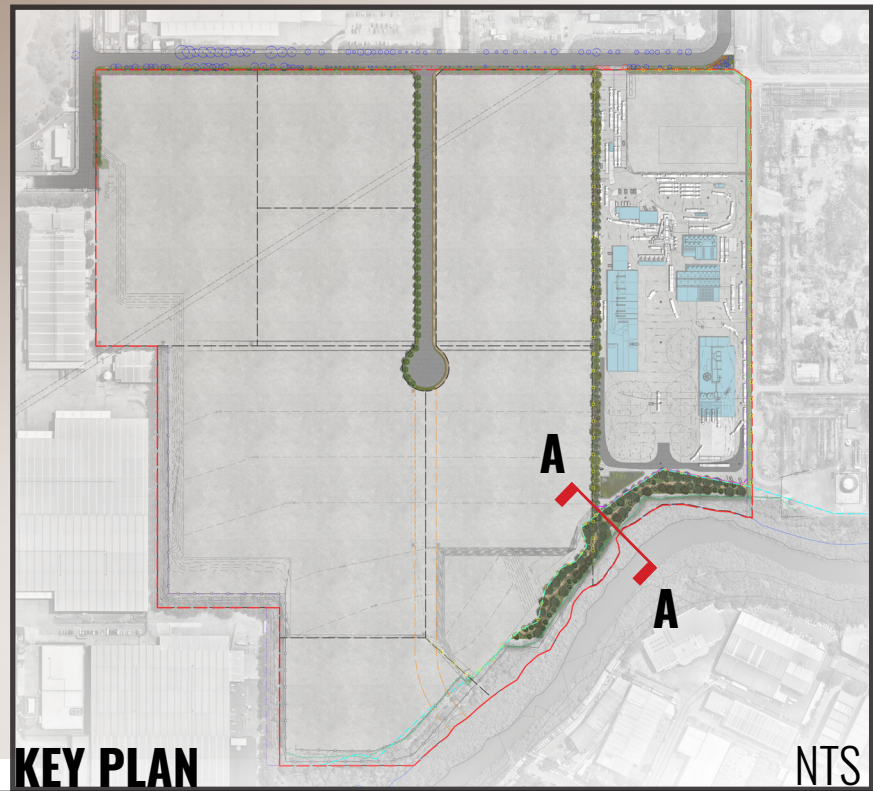
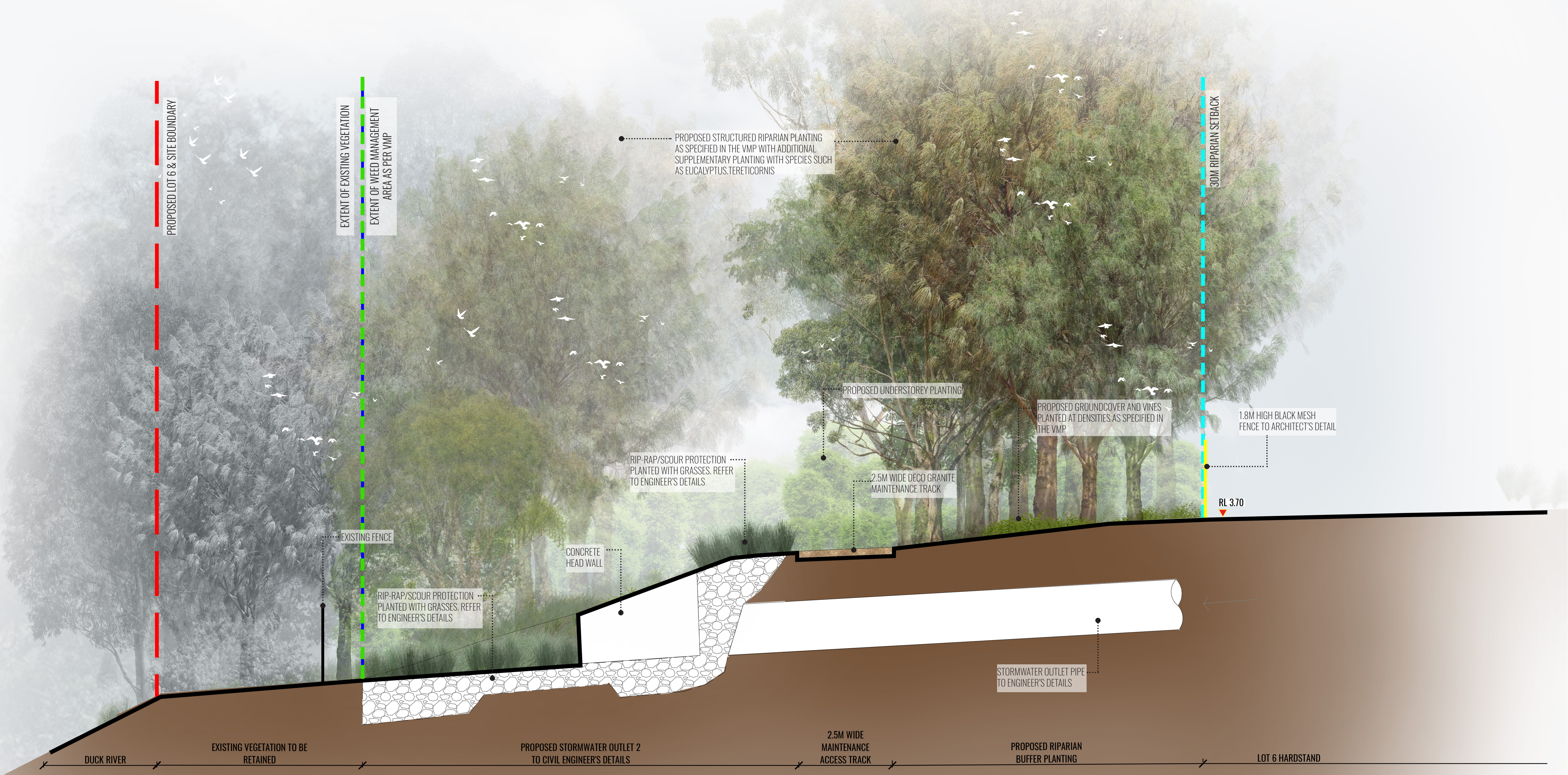
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Project Manager:
element
Element Environment
Pty. Ltd.

Client:
VE PROPERTY
LEVEL 16, 720 BOURKE STREET
DOCKLANDS VIC 3008
PH: (03) 8823 444

Scale:
1:250 @ A1
1:500 @ A3
Date:
11.09.2020
Job Number:
200411
North:
Project:
SSD - Central Syney Industrial Estate
9 Devon Street, Rosehill, NSW 2142

Revision					FOR SSD APPLICATION	
Rev	Date	Description	Drawn	Checked		
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G	21.08.20	UPDATED FOR SSD	SB	BG		
H	09.09.20	UPDATED FOR SSD	SB	BG		
I	11.09.20	UPDATED FOR SSD	SB	BG		



Drawing Title:
Riparian Corridor Section A-A
DWG No:

SSD-08

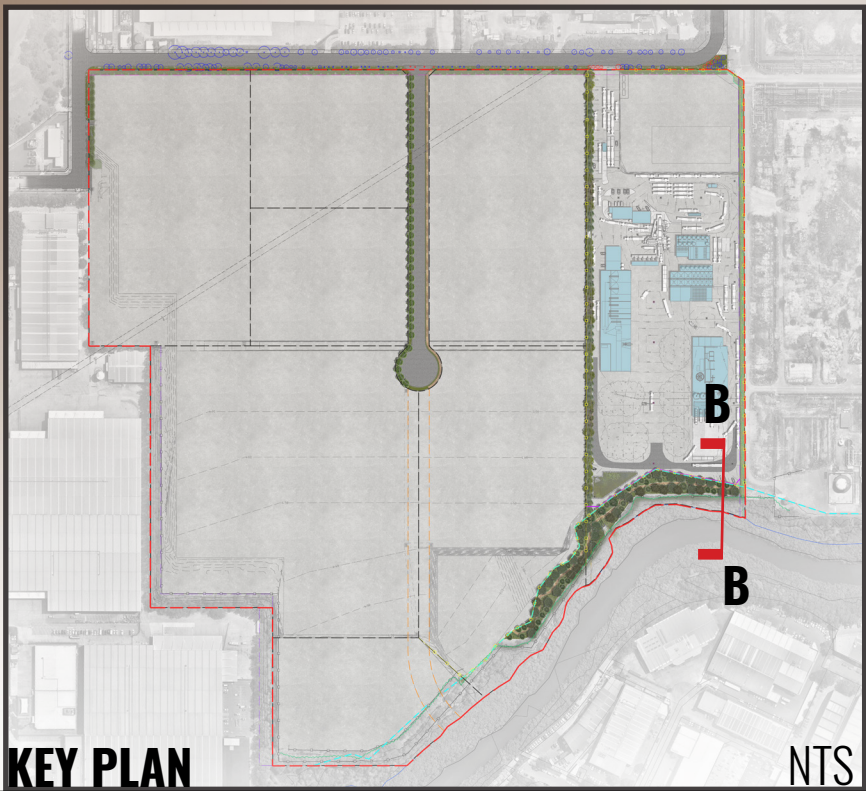
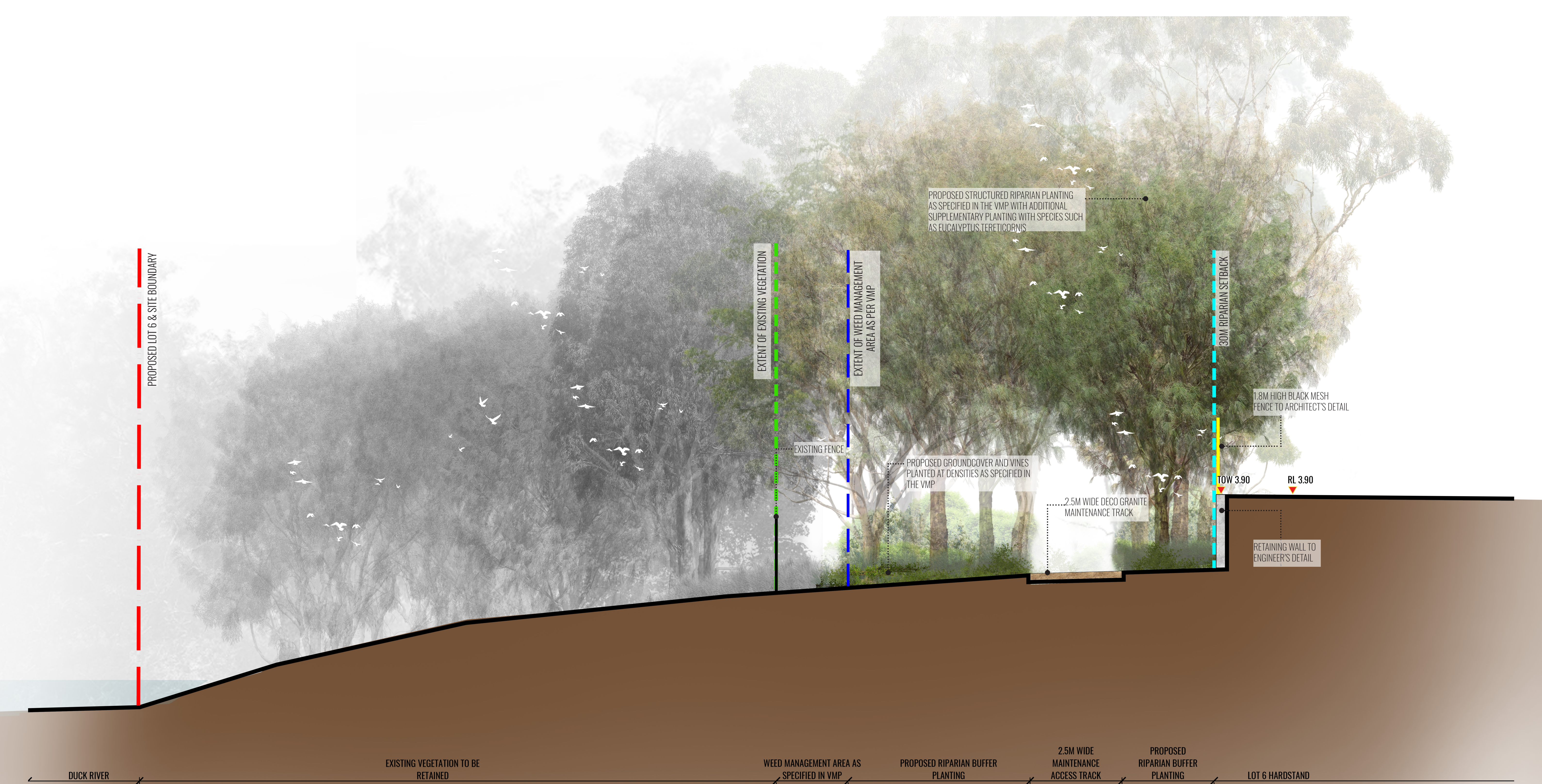
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Project Manager:
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Pty. Ltd.

Client:
VE PROPERTY
LEVEL 16, 720 BOURKE STREET
DOCKLANDS VIC 3008
PH: (03) 8823 444

Scale:		Date:		Job Number:		North:		Revision					FOR SSD APPLICATION	
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I	11.09.20	UPDATED FOR SSD		SB	BG									

Project: **SSD - Central Syney Industrial Estate**
9 Devon Street, Rosehill, NSW 2142



KEY PLAN NTS

Drawing Title:
Riparian Corridor Section B-B
DWG No:

SSD-09

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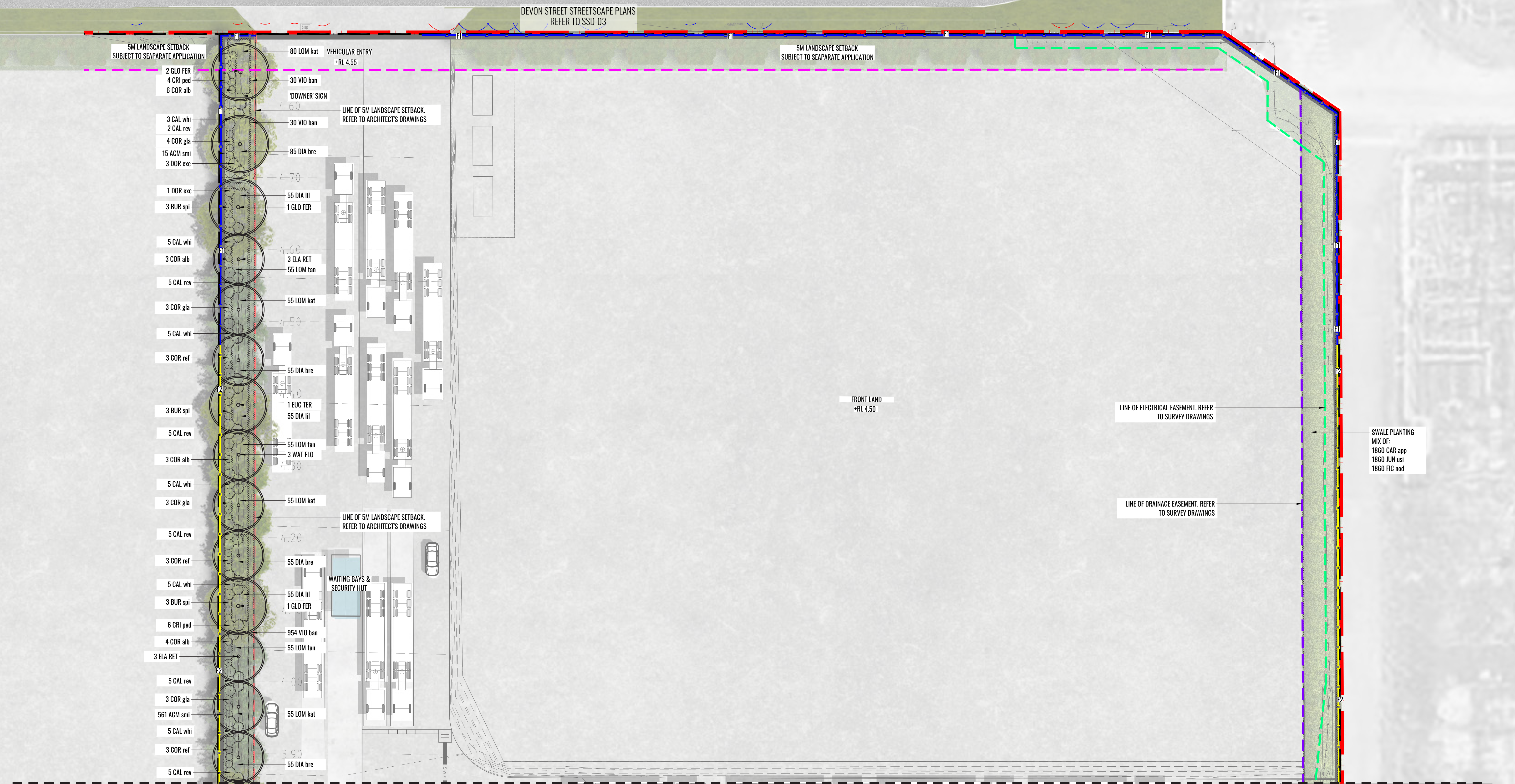
Project Manager:
element

Element Environment
Pty. Ltd.

Client:
VE PROPERTY

LEVEL 16, 720 BOURKE STREET
DOCKLANDS VIC 3008
PH: (03) 8823 444

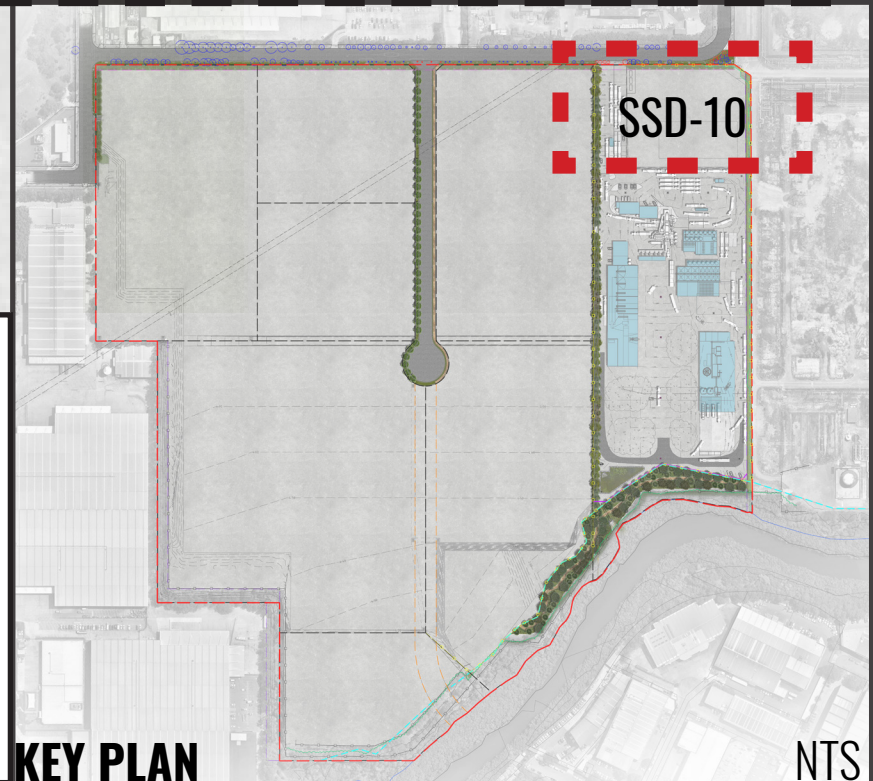
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				H	09.09.20	UPDATED FOR SSD	SB	BG		
				I	11.09.20	UPDATED FOR SSD	SB	BG		



REFER TO SSD-11

LEGEND

- SITE BOUNDARY
- LOT BOUNDARY
- BUILDING TO ARCHITECT'S DETAIL
- PROPOSED SITE CONTOURS. REFER TO ENGINEERS DETAILS
- RIPARIAN BUFFER PLANTING. REFER SSD-04 TO SSD-07.
- AUSGRID ELECTRICAL EASEMENT OVER EXISTING CABLE (APPROX).
- EXISTING STREET TREES TO BE RETAINED.
- 30M RIPARIAN CORRIDOR. REFER TO VMP FOR DETAILS.
- RETAINING WALL TO ENGINEER'S DETAIL. REFER TO CIVIL DRAWINGS.
- EXISTING STREET TREES TO BE REMOVED.
- NEW FOOTPATH TO EXISTING TURFED VERGE
- HARDSTAND TO ARCHITECT'S DETAIL +TOW 3.80
- PROPOSED TREES.
- NEW 2.1M HIGH SECURITY FENCE TO ARCHITECT'S DETAIL.
- PROPOSED MASS HEDGE PLANTING & SHRUBS.
- NEW 1.8M HIGH BLACK MESH FENCE TO ARCHITECT'S DETAIL.
- PROPOSED GROUNDCOVERS
- 5M WIDE LANDSCAPE SETBACK.
- STOMRWATER OUTLET WITH RIP-RAP PLANTING. REFER TO CIVIL ENGINEER'S DETAILS.
- PROPOSED SWALE. REFER TO ENGINEER'S DRAWINGS.
- EASEMENT TO DRAIN WATER. REFER TO SURVEY DRAWINGS.
- BIORETENTION BASIN PLANTING. REFER TO ENGINEER'S DRAWINGS.
- EASEMENT FOR SERVICES. REFER TO SURVEY DRAWINGS.



Drawing Title:
Stage 1 Lot 6 (Downer) Detail Plan - 1
DWG No:

SSD-10

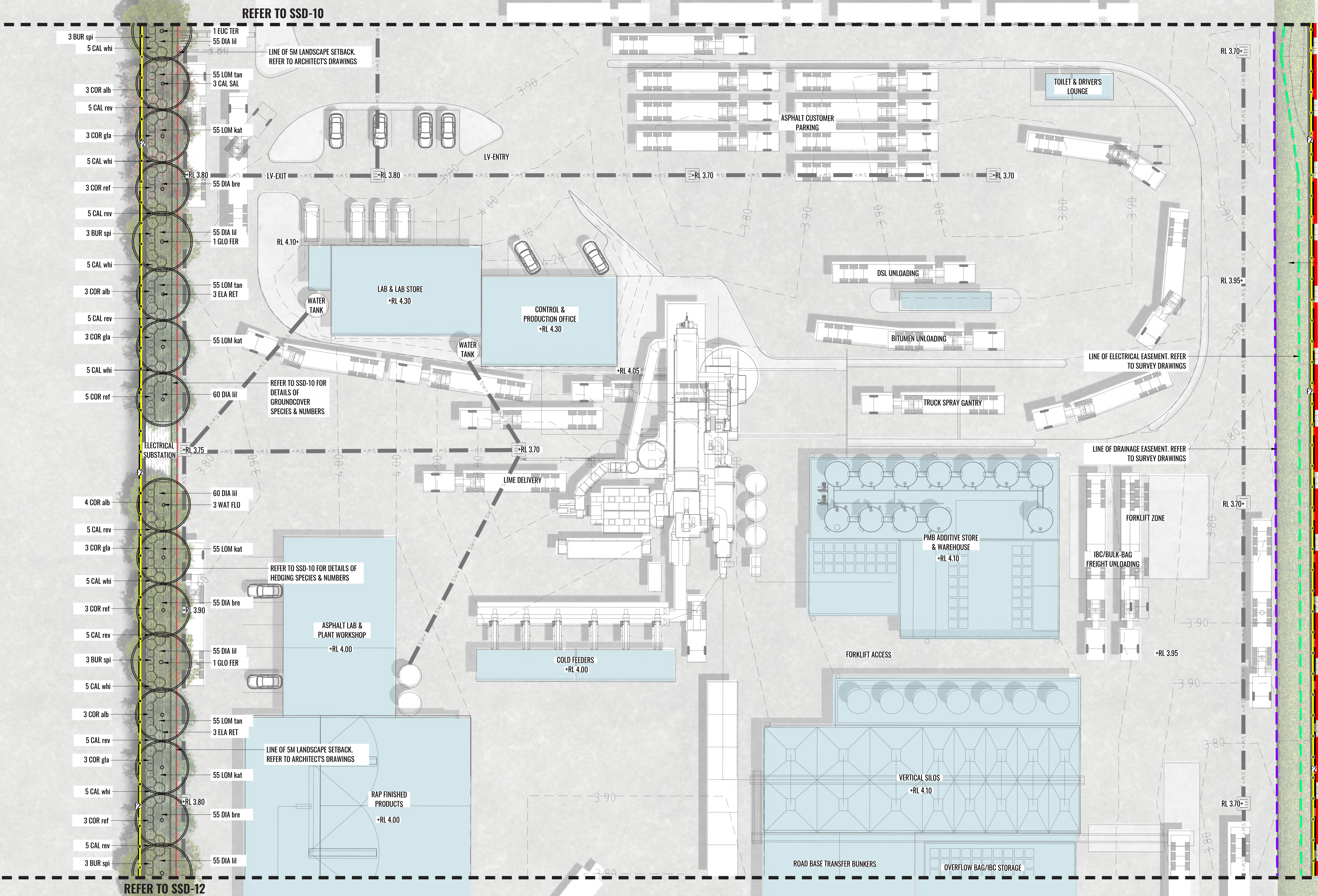
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Element Environment
Pty. Ltd.

Client:
VE PROPERTY
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DOCKLANDS VIC 3008
PH: (03) 8823 444

Scale:
1:250 @ A1
1:500 @ A3
Date:
11.09.2020
Job Number:
200411
North:
Project:
SSD - Central Syney Industrial Estate
9 Devon Street, Rosehill, NSW 2142

Revision					FOR SSD APPLICATION	
Rev	Date	Description	Drawn	Checked		
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I	11.09.20	UPDATED FOR SSD	SB	BG		

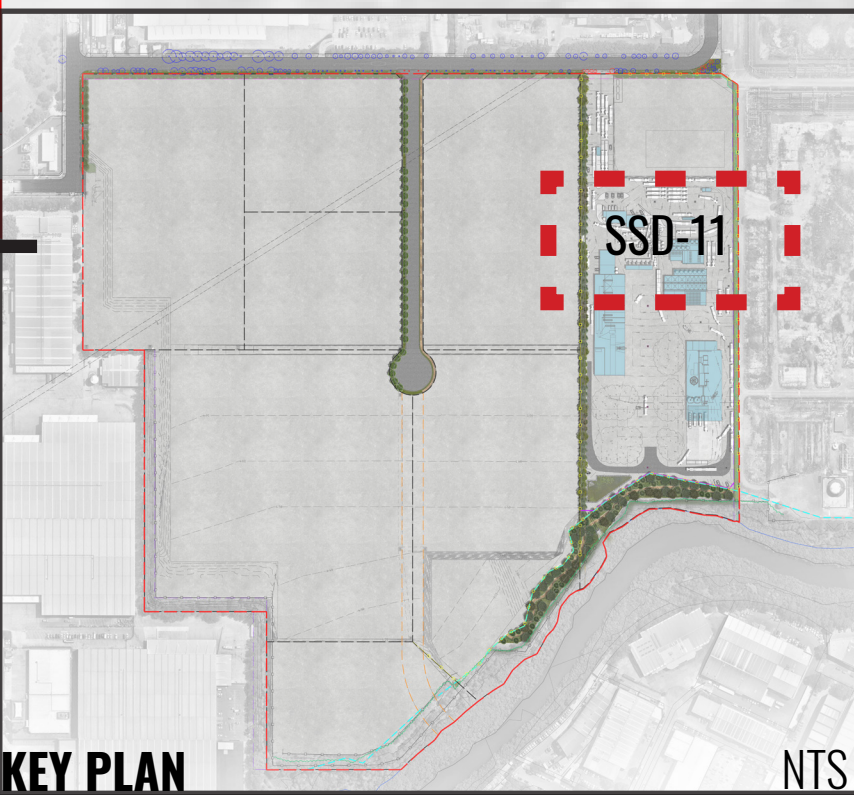


REFER TO SSD-07 FOR
PLANTING MIX & TOTAL
PLANT NUMBERS FOR
SWALE.

LEGEND

- SITE BOUNDARY
- LOT BOUNDARY
- EXISTING STREET TREES TO BE RETAINED.
- EXISTING STREET TREES TO BE REMOVED.
- PROPOSED TREES.
- PROPOSED MASS HEDGE PLANTING & SHRUBS.
- PROPOSED GROUNDCOVERS.
- PROPOSED SWALE. REFER TO ENGINEER'S DRAWINGS.
- BIORETENTION BASIN PLANTING. REFER TO ENGINEER'S DRAWINGS.
- BUILDING TO ARCHITECT'S DETAIL
- RIPARIAN BUFFER PLANTING. REFER SSD-04 TO SSD-07.
- 30M RIPARIAN CORRIDOR. REFER TO VMP FOR DETAILS.
- NEW FOOTPATH TO EXISTING TURFED VERGE
- NEW 2.1M HIGH SECURITY FENCE TO ARCHITECT'S DETAIL.
- NEW 1.8M HIGH BLACK MESH FENCE TO ARCHITECT'S DETAIL.
- 5M WIDE LANDSCAPE SETBACK.
- EASEMENT TO DRAIN WATER. REFER TO SURVEY DRAWINGS.
- EASEMENT FOR SERVICES. REFER TO SURVEY DRAWINGS.
- PROPOSED SITE CONTOURS. REFER TO ENGINEERS DETAILS
- AUSGRID ELECTRICAL EASEMENT OVER EXISTING CABLE (APPROX).
- RW
- HARDSTAND TO ARCHITECT'S DETAIL +TOW 3.80
- PROPOSED TOP OF WALL LEVELS.
- +RL 3.80
- PROPOSED LEVELS.
- STORMWATER OUTLET WITH RIP-RAP PLANTING. REFER TO CIVIL ENGINEER'S DETAILS.

KEY PLAN



NTS

Drawing Title:
Stage 1 Lot 6 (Downer) Detail Plan - 2
DWG No:

SSD-11

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Project Manager:
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Element Environment
Pty. Ltd.

Client:
VE PROPERTY
LEVEL 16, 720 BOURKE STREET
DOCKLANDS VIC 3008
PH: (03) 8823 444

Scale:
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Date:
11.09.2020

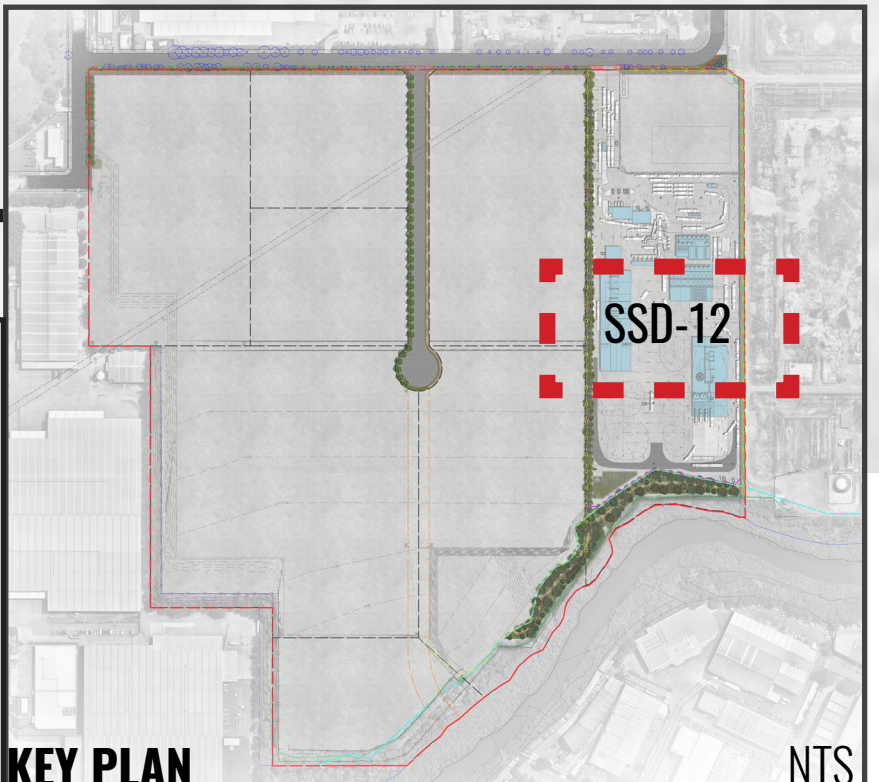
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North:
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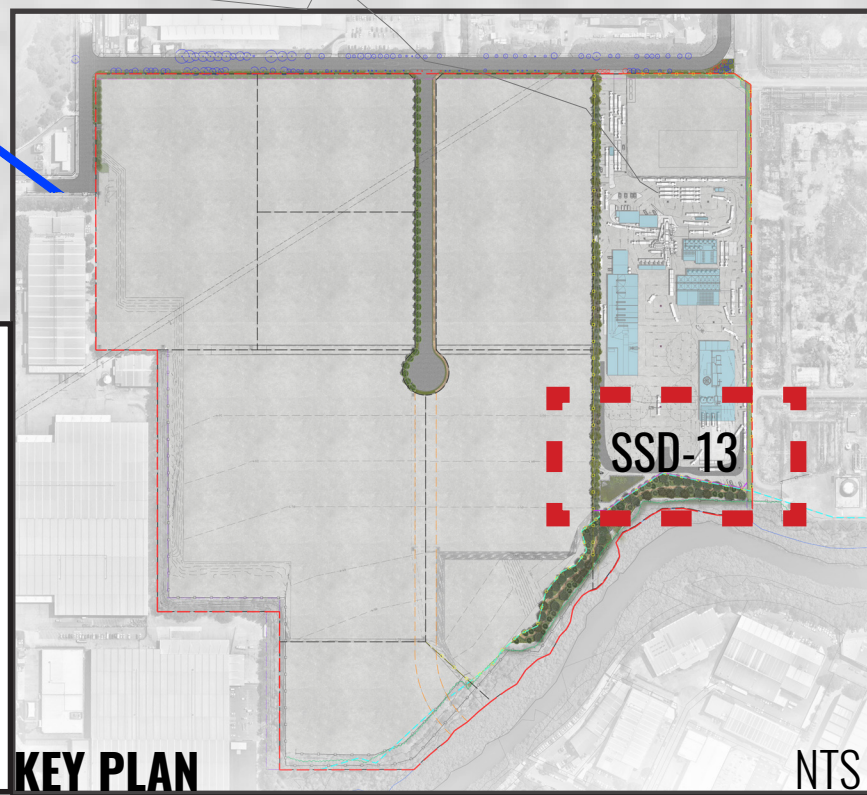
Project:

SSD - Central Syney Industrial Estate
9 Devon Street, Rosehill, NSW 2142

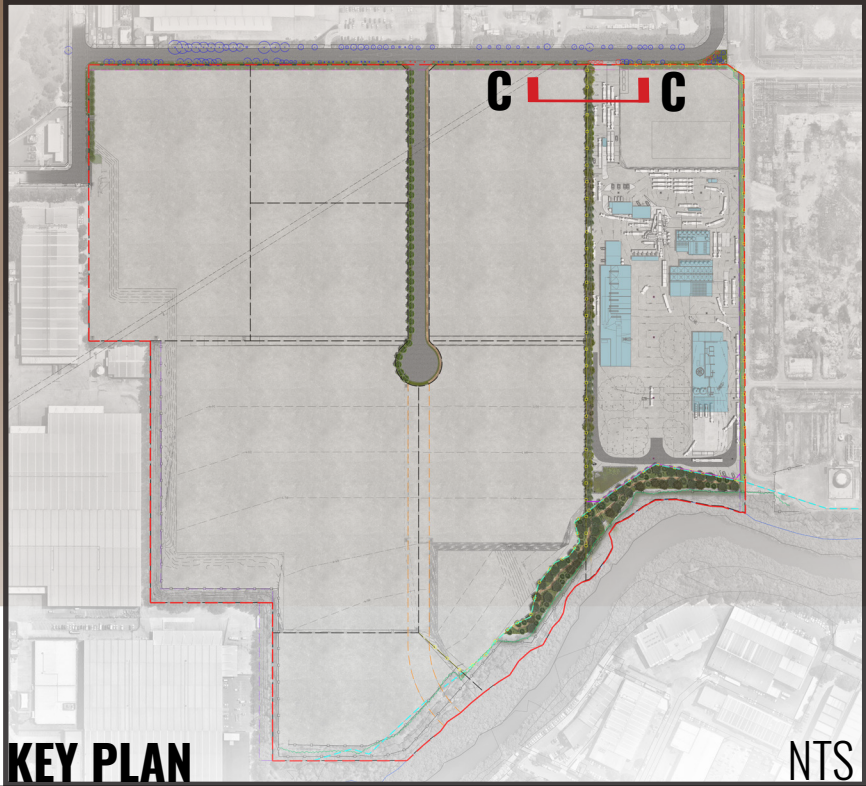
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H	09.09.20	UPDATED FOR SSD	SB	BG
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Revision		FOR SSD APPLICATION		
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Revision		FOR SSD APPLICATION		
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G	21.08.20	UPDATED FOR SSD	SB	BG
H	09.09.20	UPDATED FOR SSD	SB	BG
I	11.09.20	UPDATED FOR SSD	SB	BG



Drawing Title:
Stage 1 Lot 6 (Downer) Section CC
DWG No:

SSD-14

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Element Environment
Pty. Ltd.

Client:
VE PROPERTY

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DOCKLANDS VIC 3008
PH: (03) 8823 444

Scale:
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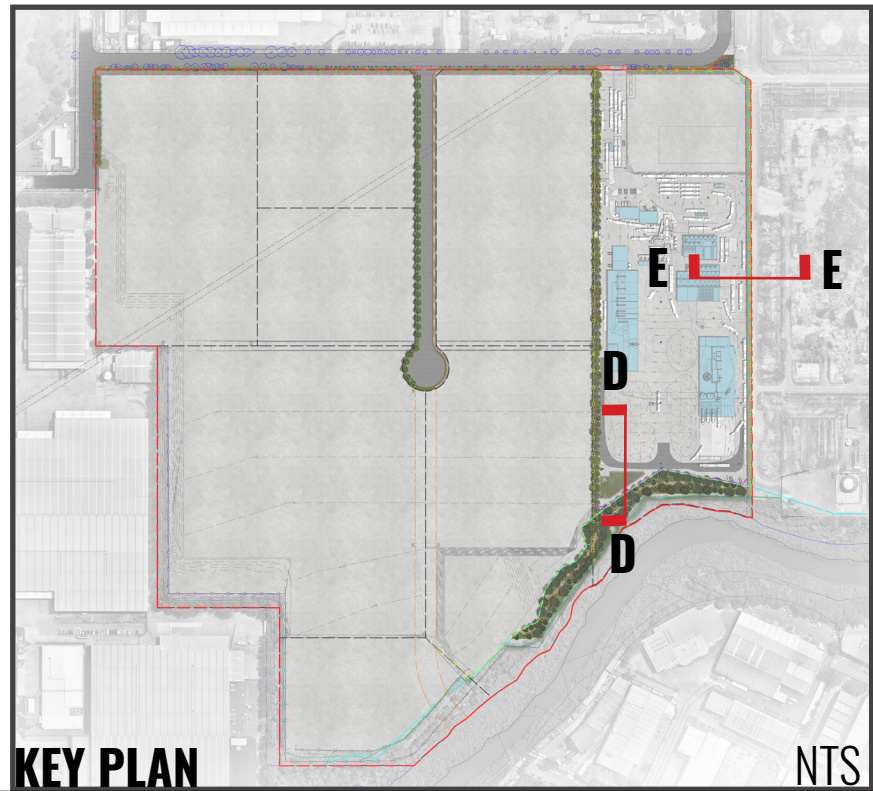
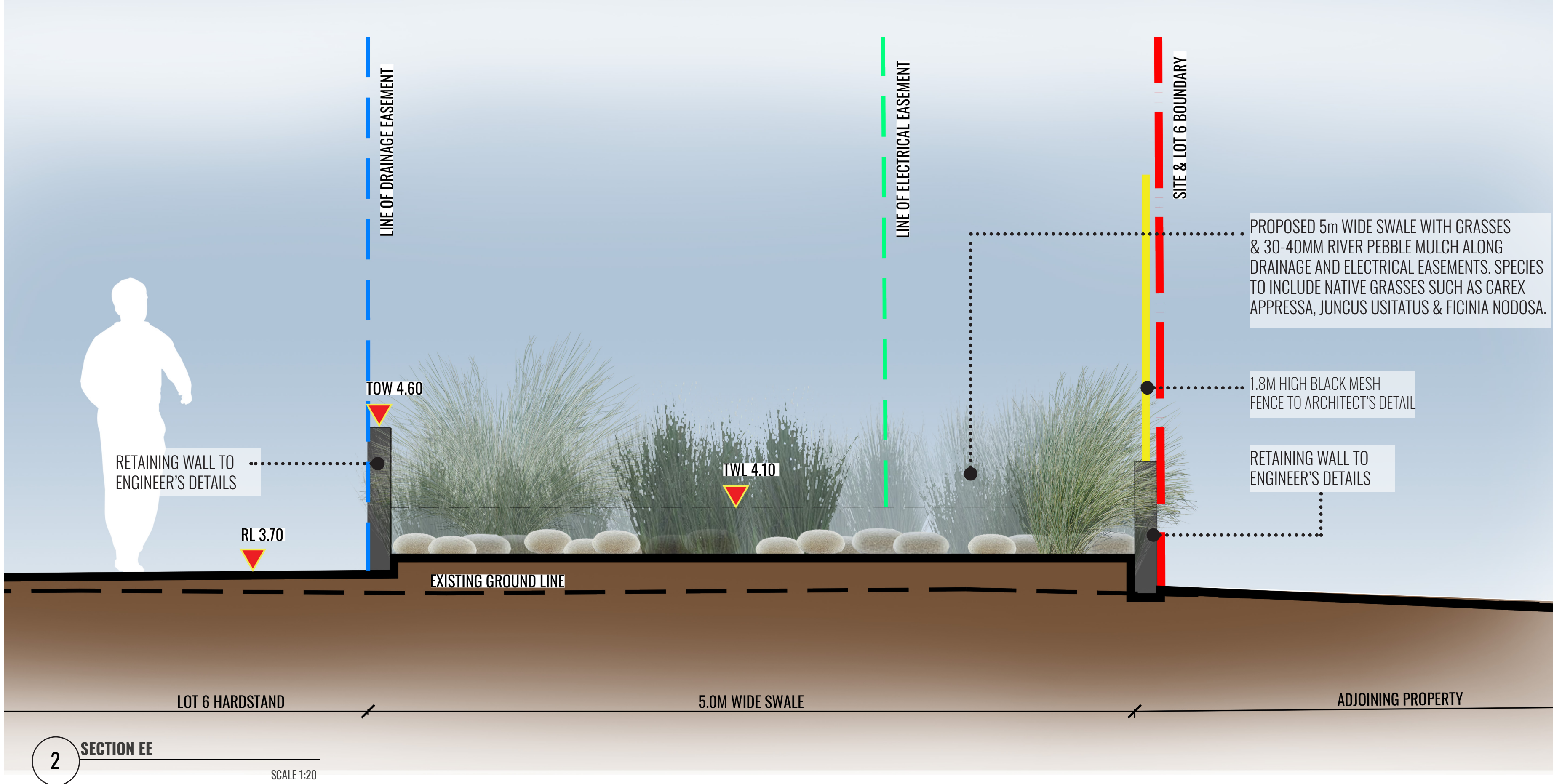
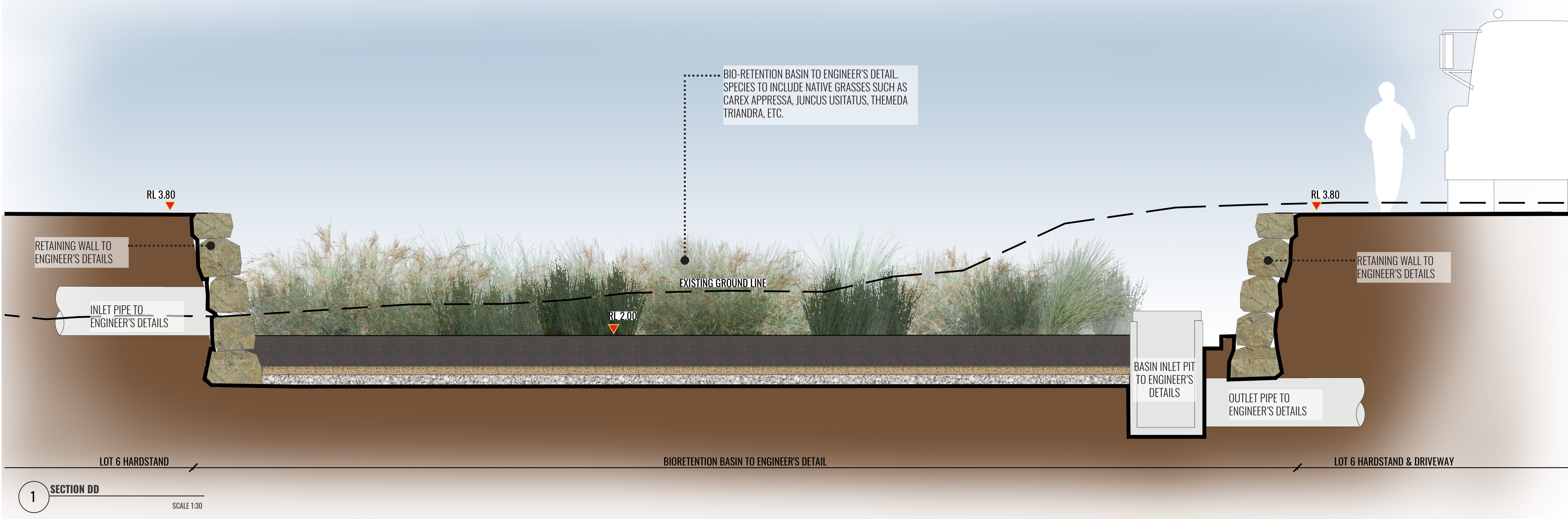
Date:
11.09.2020

Job Number:
200411

North:

Project:
SSD - Central Syney Industrial Estate
9 Devon Street, Rosehill, NSW 2142

Revision					FOR SSD APPLICATION	
Rev	Date	Description	Drawn	Checked		
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G	21.08.20	UPDATED FOR SSD	SB	BG		
H	09.09.20	UPDATED FOR SSD	SB	BG		
I	11.09.20	UPDATED FOR SSD	SB	BG		



Drawing Title:
Stage 1 Lot 6 (Downer) Sections DD & EE
DWG No: **SSD-15**

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Pty. Ltd.

Client:
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DOCKLANDS VIC 3008
PH: (03) 8823 444

Scale:		Date:	Job Number:	North:	Revision					FOR SSD APPLICATION	
As shown @ A1		11.09.2020	200411		Rev	Date	Description	Drawn	Checked		
Project:		SSD - Central Syney Industrial Estate 9 Devon Street, Rosehill, NSW 2142			F	17.08.20	UPDATED FOR SSD	SB	BG		
					G	21.08.20	UPDATED FOR SSD	SB	BG		
					H	09.09.20	UPDATED FOR SSD	SB	BG		
					I	11.09.20	UPDATED FOR SSD	SB	BG		

OUTLINE SPECIFICATION AND MAINTENANCE PLAN

SPECIFICATIONS

Soils

Contractor to assess and test existing site soils for potential deficiencies. Any new topsoil required for re-vegetation works should ideally consist 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 and specifications as listed in Landscape Soils Handbook (Simon Leake & Elke Haege 2017). Refer to typical planting detail.

Mulch

75mm of Forest Fines Organic Mulch. Mulching and conditioners to be in accordance with AS4454.

Plant Stock

All grown or purchased plant stock must conform to all the conditions and requirements given in NATSPEC Guide: Specifying Trees. Forestry protective tubes to be used on all tree planting.

MAINTENANCE

All maintenance practices for the Riparian Management Zone must follow those specified within the VMP prepared by AECOM Australia Pty Ltd.

Monitoring, maintenance and review processes must be carried out for a **minimum period of 24 months** by a qualified Bush Regeneration Consultant. As per the VMP there are two specific tasks to be undertaken, these are weed management and regenerative planting within the Riparian Management Zone. Both of these are separated into tasks during and following construction. This includes ongoing maintenance for the duration of development works. A qualified bush regeneration consultant must be engaged to inspect and manage the Riparian Management Zone. This will ensure that any maintenance works within the Riparian Management Zone are guided by the principles as outlined in the VMP and according to best practice Bush Regeneration techniques.

Outline Summary of Maintenance Tasks (Note: Refer to VMP for detailed maintenance tasks)

Sediment and Erosion Control

Inspection during the construction period to ensure effectiveness.

Frequency During Construction: Daily

Rubbish Removal

Rubbish removal must be undertaken on a regular basis to ensure the site remains in tidy condition and rubbish does not enter the waterway.

Frequency During Construction: Weekly

Frequency During Operation: Monthly for 2 years

Weed Eradication and Management

Treatment of weeds should, as a first priority, be undertaken with best practice bush regeneration techniques aimed at minimal use of herbicides, encouragement of natural regrowth, the use of non-invasive grass species and the prevention of weed seed or spread. Always use mechanical/physical removal over the use of herbicide where possible.

Frequency During Construction: Weekly

Frequency During Operation : Annually for 2 years

Tree Replacement and Growth

Tree replacement strategies undertaken as per Bush Regeneration consultant’s recommendations. Undertake monitoring of condition of Riparian Management Zone and undertake weeding and replanting if required. To ensure the standard of 90% survival rate, revegetated areas would undergo regular maintenance of watering, weeding, replacement of dead or dying plants and adjustment of tree protection fencing where necessary.

Frequency During Construction: Ongoing

Frequency During Operation: Annually for 2 years

Pruning, Trimming, Stakes and Ties

Remove deadwood, remove suckering roots from rootball, check ties. Improve plant shape and promote new growth. Adjust ties and stakes as necessary. Stakes can be removed once plants are self-supporting.

Frequency During Construction: Ongoing

Frequency During Operation: Annually for 2 years

Pests and Disease Control

Inspection of the riparian management zone to investigate the presence of pests, diseases and feral animals.

Frequency During Construction: Monthly or after major storm events.

Frequency During Operation : Monthly for 2 years

Mulching

If mulch layer gets thin during establishment period, top up mulch.

Frequency During Construction: Ongoing

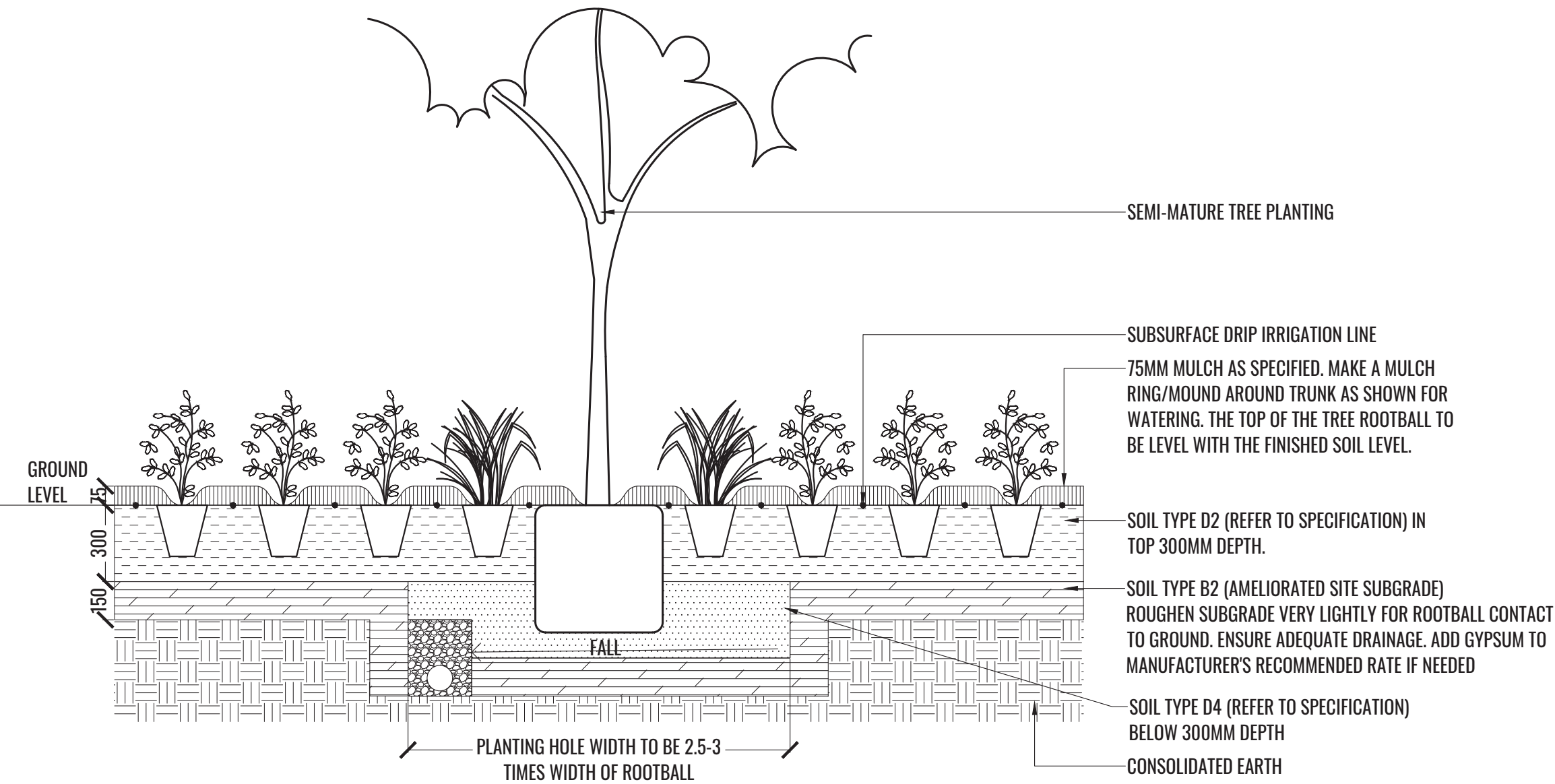
Frequency During Operation: Annually for 2 years

Watering

A temporary irrigation system or regular hand watering should be undertaken. Water as necessary every day especially during periods of hot weather. Best practice watering is early morning or late afternoon to reduce evaporation. Frequency During Construction: 2 week interval watering should be maintained until planting is fully established.

TYPICAL LANDSCAPE DETAILS

TREE/SHRUB SIZE AND QUALITY TO BE TO NATSPEC STANDARD. SPECIES IS TO BE AS PER PLAN AND PLANT SCHEDULE. ENSURE ONLY HEALTHY AND VIGOROUS, DISEASE FREE, WELL MAINTAINED PLANTS ARE USED. TAKE CARE TO ENSURE FOLIAGE, BRANCHES, TRUNKS AND ROOT CROWNS ARE NOT DAMAGED BEFORE, DURING AND AFTER PLANTING. ENSURE OPTIMUM MAINTENANCE AND ESTABLISHMENT OF TREES/SHRUBS OCCURS AS SOON AS THEY ARE AT SITE

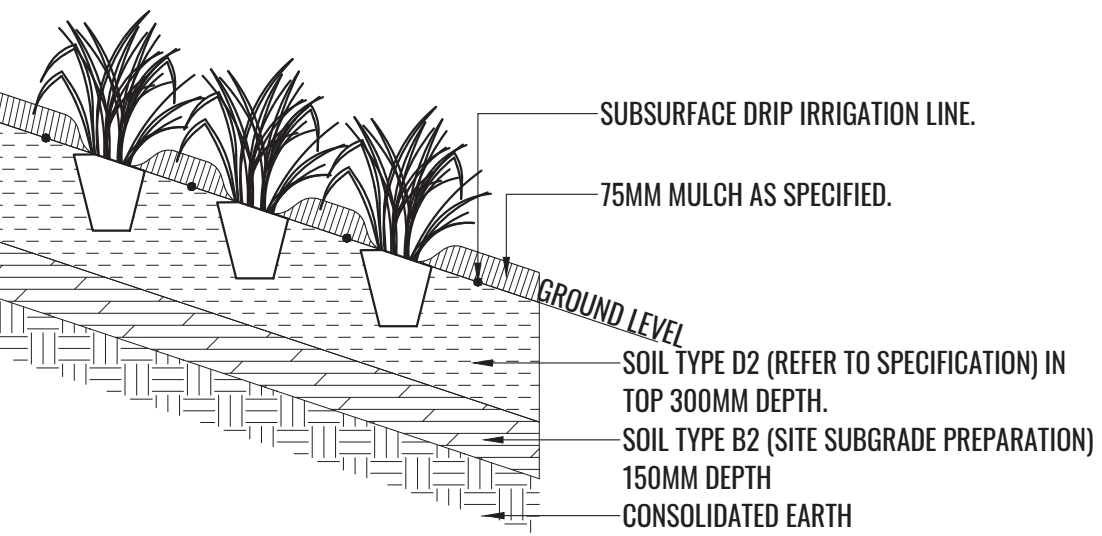


THOROUGHLY SOAK THE ROOTBALL OF TREE WITH FRESH WATER BEFORE TAKING OFF POT OR BAG. WHEN PLANTING HOLE IS COMPLETE USE A SHARP SPADE TO SHAVE OFF 20-50MM OF THE SIDES AND BASE OF ROOTBALL (TO ROOD PRUNE IT) BEFORE CAREFULLY PLACING INTO PLANTING HOLE. IF NORTH IS MARKED ON THE TREE, ENSURE ORIENTATION IS CORRECT WITH NORTH MARKING TO THE NORTH.

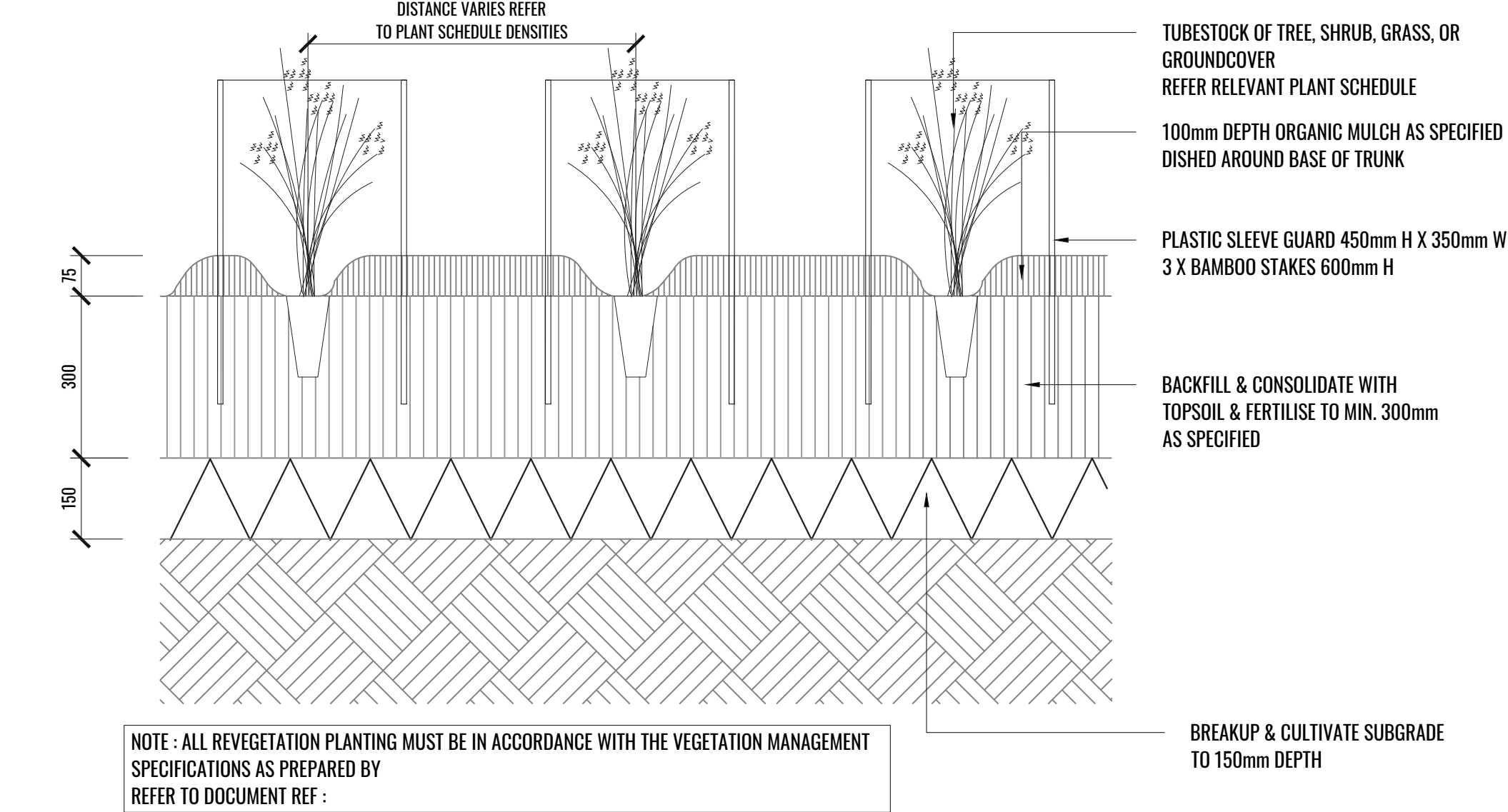
- REMOVE ANY STAKES, TIES AND LABELS. WATER ROOTBALL THOROUGHLY.
- TOP OF ROOTBALL TO FINISH FLUSH WITH TOP OF SOIL

1 **MASS PLANTING TYPICAL DETAIL**
TYPICAL SECTION SCALE 1:20

NATSPEC QUALITY PLANTS TO BE INSTALLED. FOR PLANT SPECIES, QUANTITIES AND SIZE, REFER TO LANDSCAPE PLAN AND PLANTING SCHEDULE



2 **TYPICAL TUBESTOCK PLANTING ON 1 IN 4 SLOPE OR FLATTER DETAIL**
TYPICAL SECTION SCALE 1:20



3 **TYPICAL TUBESTOCK REVEGETATION PLANTING DETAIL**
TYPICAL SECTION SCALE 1:10

Drawing Title: Specifications & Typical Details DWG No: SSD-16	GEOSCAPES LANDSCAPE ARCHITECTS Suite 215, 284 Victoria Ave, Chatswood NSW 2067 Ph. (02) 9411 1485 www.geoscapes.com.au ABN 84 620 205 781 ACN 620 205 781	Project Manager: element. Element Environment Pty. Ltd.	Client: VE PROPERTY LEVEL 16, 720 BOURKE STREET DOCKLANDS VIC 3008 PH: (03) 8823 444	Scale:	Date:	Job Number:	North:	Revision					FOR SSD APPLICATION	
				As shown @ A1	11.09.2020	200411		Rev	Date	Description	Drawn	Checked		
				Project:	SSD - Central Syney Industrial Estate 9 Devon Street, Rosehill, NSW 2142			F	17.08.20	UPDATED FOR SSD	SB	BG		
								G	21.08.20	UPDATED FOR SSD	SB	BG		
								H	09.09.20	UPDATED FOR SSD	SB	BG		
								I	11.09.20	UPDATED FOR SSD	SB	BG		

PLANTING SCHEDULE

Stage 1 Lot 6 Downer Site Planting								
CODE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	MATURE WIDTH	POT SIZE	NATIVE	PLANTING DENSITY	QTY*
Trees								
CAL SAL	<i>Callistemon salignus</i>	Sweet Willow Bottlebrush	8m	5m	14LT	✓	AS SHOWN	9
ELA RET	<i>Elaeocarpus reticulatus</i>	Blueberry Ash	9m	4m	75LT	✓	AS SHOWN	24
EUC TER	<i>Eucalyptus tereticornis</i>	Forest Red Gum	20-30m	5m	75LT	✓	AS SHOWN	6
GLO FER	<i>Glochidion ferdinandi</i>	Cheese Tree	15m	8m	100LT	✓	AS SHOWN	10
WAT FLO	<i>Waterhousea floribunda</i>	Weeping Lilly Pilly	8m	5m	75LT	✓	AS SHOWN	12
Shrubs & Hedge planting								
ACM smi	<i>Acmena smithii</i>	Lilly Pilly	3m**	1m	200mm	✓	750mm Ctrs	576
BUR spi	<i>Bursaria spinosa</i>	Sweet Bursaria	1.5-4m	1.5-3m	200mm	✓	AS SHOWN	42
COR alb	<i>Correa alba</i>	White Correa	1.5m	1.5m	200mm	✓	AS SHOWN	53
COR gla	<i>Correa glabra</i> 'Ivory Lantern'	Rock Correa	1.6m	0.6m	200mm	✓	AS SHOWN	49
COR ref	<i>Correa reflexa</i>	Native Fuchsia	0.5-1.2m	0.5m	200mm	✓	AS SHOWN	48
CAL rev	<i>Callistemon citrinus</i> 'Reeve's Pink'	Reeve's Pink Bottlebrush	3m	2m	200mm	✓	AS SHOWN	147
CAL whi	<i>Callistemon citrinus</i> 'White Anzac'	Bottlebrush	0.5-1.5m	2m	200mm	✓	AS SHOWN	138
CRI ped	<i>Crinum pedunculatum</i>	Swamp Lily	1.5-3m	1-3m	200mm	✓	AS SHOWN	10
DOR exc	<i>Doryanthes excelsa</i>	Gymea Lily	2-3m	2-3m	200mm	✓	AS SHOWN	7
Grasses and Groundcovers								
DIA bre	<i>Dianella caerulea</i> 'Breeze' [®]	Blue Flax Lily	0.8m	0.8m	Tubestock	✓	5/m2	855
DIA lil	<i>Dianella caerulea</i> 'Little Jess' TM	Blue Flax Lily	0.4m	0.4m	Tubestock	✓	5/m2	755
LOM tan	<i>Lomandra longifolia</i> 'Tanika' [®]	Spiny-headed Mat-Rush	0.8m	0.6m	Tubestock	✓	5/m2	769
LOM kat	<i>Lomandra longifolia</i> 'Katrinus Deluxe'	Spiny-headed Mat-Rush	0.8m	0.8m	Tubestock	✓	5/m2	879
VIO ban	<i>Viola banksii</i>	Native Violet	0.4m	Nil	140mm	✓	3/m2	1014
Bioretention Basin planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tubestock	✓	5/m2	592
GAH cla	<i>Gahnia clarkei</i>	Saw Sedge	1.5m	1.5m	Tubestock	✓	5/m2	592
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tubestock	✓	5/m2	592
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tubestock	✓	5/m2	592
THE tri	<i>Themeda triandra</i>	Kangaroo Grass	1.5m	1.5m	Tubestock	✓	5/m2	592
Basin Outlet Rip-rap planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tubestock	✓	5/m2	21
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tubestock	✓	5/m2	21
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tubestock	✓	5/m2	21
Swale planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tubestock	✓	3/m2	1860
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tubestock	✓	3/m2	1860
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tubestock	✓	3/m2	1860
*Final plant number to be calculated at CC stage								
**To be trimmed to specified height								



Indigofera australis



Correa alba



Crinum pedunculatum



Viola banksii



Dianella caerulea



Carex appressa



Lomandra longifolia

Riparian Corridor Planting - Swamp Oak Floodplain Forest								
CODE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	MATURE WIDTH	POT SIZE	NATIVE	PLANTING DENSITY	QTY*
Trees Canopy Species								
ALP EXC	<i>Alphitonia excelsa</i>	Red Ash	20m	15m	Forestry Tube	✓	AS SHOWN	9
CAS GLA	<i>Casuarina glauca</i>	Swamp Oak	20m	15m	Forestry Tube	✓	AS SHOWN	9
GLO FER	<i>Glochidion ferdinandi</i>	Cheese Tree	15m	8m	Forestry Tube	✓	AS SHOWN	8
MEL STY	<i>Melaleuca styphelioides</i>	Prickly-leaved Tea Tree	10m	8m	Forestry Tube	✓	AS SHOWN	9
EUC TER	<i>Eucalyptus tereticornis</i>	Forest Red Gum	20-30m	5m	Forestry Tube	✓	AS SHOWN	8
Small Trees / Shrubs								
ACM smi	<i>Acmena smithii</i>	Lilly Pilly	3-5m	2m	Tube	✓	AS SHOWN	47
BUR spi	<i>Bursaria spinosa</i>	Boxthorn	4m	3m	Tube	✓	AS SHOWN	65
CUP ANA	<i>Cupaniopsis anacardioides</i>	Tuckeroo	6m	3m	Tube	✓	AS SHOWN	7
CAL SAL	<i>Callistemon salignus</i>	Sweet Willow Bottlebrush	8m	5m	Tube	✓	AS SHOWN	10
IND aus	<i>Indigofera australis</i>	Australian Indigo	2m	2m	Tube	✓	AS SHOWN	49
MEL dec	<i>Melaleuca decora</i>	White feather Honey Myrtle	8m	4m	Tube	✓	AS SHOWN	61
MEL ERI	<i>Melaleuca ericifolia</i>	Swamp Paperbark	9-15m	3m	Tube	✓	AS SHOWN	15
Grasses and Groundcovers 1 per 2.5m² in fully structured vegetation only								
BLE ind	<i>Blechnum indicum</i>	Swamp Water-fern	1m	Nil	Forestry Tube	✓	AS SHOWN	923
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Forestry Tube	✓	AS SHOWN	923
DIA cae	<i>Dianella caerulea</i>	Blue Flax Lily	0.8m	1.5m	Forestry Tube	✓	AS SHOWN	772
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Forestry Tube	✓	AS SHOWN	923
ISO inu	<i>Isolepis inundata</i>	Swamp Club-sedge	0.5m	0.5m	Forestry Tube	✓	AS SHOWN	923
LOM lon	<i>Lomandra longifolia</i>	Spiny-headed Mat-Rush	0.8m	0.8m	Forestry Tube	✓	AS SHOWN	772
VIO ban	<i>Viola banksii</i>	A Violet	0.40m	Nil	Forestry Tube	✓	AS SHOWN	772
Vines 1 per 25m² in fully structured vegetation only								
PAR str	<i>Parsonsia straminea</i>	Common Silkpod	0.1m	Nil	Tube	✓	AS SPECIFIED	169
STE dis	<i>Stephania japonica</i> var. <i>discolor</i>	Snake Vine	na	Nil	Tube	✓	AS SPECIFIED	169
FLA ind	<i>Flagellaria indica</i>	Whip Vine	15m	Nil	Tube	✓	AS SPECIFIED	169
Stormwater Outlet Rip-rap planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tubestock	✓	5/m2	84
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tubestock	✓	5/m2	84
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tubestock	✓	5/m2	84
Swale planting								
CAR app	<i>Carex appressa</i>	Tall Sedge	1m	1m	Tube	✓	3/m2	47
JUN usi	<i>Juncus usitatus</i>	Common Rush	1.2m	0.5m	Tube	✓	3/m2	47
FIC nod	<i>Ficinia nodosa</i>	Club Rush	0.8m	1m	Tube	✓	3/m2	47
*Final plant number to be calculated at CC stage								

Proposed Access Road Street tree planting								
CODE	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	MATURE WIDTH	POT SIZE	NATIVE	PLANTING DENSITY	QTY*
Trees								
MEL LIN	<i>Melaleuca linariifolia</i>	Snow in Summer	10m	4m	75LT	✓	AS SHOWN	35

PLANT IMAGES



Alphitonia excelsa



Casuarina glauca



Melaleuca quinquenervia



Waterhousea floribunda



Callistemon salignus



Acmena smithii

Drawing Title:

Planting Schedules & Imagery

DWG No:

SSD-17

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