

JHCPB Joint Venture

Tree Replacement Report

RIC-JHC-RPT-00-EN-010-002

Project	Rozelle Interchange and WHT Enabling Works – Design and Construct
Design Lot No.	00-EN-010
Document No.	RIC-JHC-RPT-00-EN-010-002
Revision Date	01 October 2021

Document Approval

Rev	Date	Prepared by	Reviewed by
00	22/06/2021	Ciara Moriarty	K Lloyd/C Scarf
01	10/09/2021	Ciara Moriarty	C Scarf
02	01/10/2021	Ciara Moriarty	C Scarf

Table of Contents

Table of Figures	ii
Glossary / Abbreviations	3
1. Introduction	5
1.1. Project description	5
1.2. Purpose and Scope	5
1.3. Conditions of Approval and Revised Environmental Mitigation Measures	5
2. Relevant Authority's Plans, Programs and Management Strategies	7
3. Replacement Trees	7
3.1. Guidelines and sizing	7
3.2. Tree Removal	8
3.3. Tree Replacement Detail	9
Annexure A Tree Removal Register	12
Annexure B UDLP – Proposed Planting Locations	19
Annexure C Extract from Rozelle Railyards Landscape design Planting Plan	20

Table of Figures

Figure 1 Example of an artist impression from the draft UDLP (August 2020)	4
Figure 2 Extract from RMS/TfNSW Landscape Design Guidelines Report from 2018	7

Glossary / Abbreviations

Abbreviations	Expanded Text
CoA	Minister for Planning's Conditions of Approval
CoS	City of Sydney Council
CSSI	Critical State Significant Infrastructure
DPIE	Department of Planning, Industry and Environment
DRP	Design Review Panel
EIS	WestConnex M4-M5 Link Environmental Impact Statement (2017)
IWC	Inner West Council
LGA	Local government area
M4-M5 Link Project	A component of the WestConnex program of works, which includes the construction and operation of Stage 1: M4-M5 Link Mainline Tunnels and Stage 2: Rozelle Interchange.
Project, the	M4-M5 Link Rozelle Interchange project
REMMs	Revised Environmental Management Measures
Secretary	Secretary of the NSW Department of Planning, Industry and Environment (or delegate)
SPIR	WestConnex M4-M5 Link Submissions and Preferred Infrastructure Report
TfNSW	Transport for NSW
UDLP	Urban Design and Landscape Plan
WestConnex project	A program of works that includes the M4 Widening, King Georges Road Interchange Upgrade, M4 East, New M5 and WestConnex M4-M5 Link Projects



Figure 1 Example of an artist impression from the draft UDLP (August 2020)

1. Introduction

1.1. Project description

WestConnex is one of the NSW Government's key infrastructure projects, aiming to ease congestion, create jobs and connect communities. On 17 April 2018, the Department of Planning, Industry and Environment (DPIE) approved the construction and operation of the WestConnex M4-M5 Link (SSI 7485), which is part of the broader WestConnex Program of Works. Modifications to this SSI approval were approved by DPIE on 25 February 2019, 28 July 2020 and 30 July 2020 respectively.

The WestConnex M4-M5 Link is being delivered in two stages:

- Stage 1, the Mainline Tunnels, which includes the construction and operation of the M4-M5 Link Tunnel between the New M4 at Haberfield and the New M5 at St Peters, and
- Stage 2, the Rozelle Interchange, which will connect the Stage 1 mainline tunnels to the surrounding surface road network and includes the construction and operation of:
 - An interchange at Lilyfield and Rozelle, including a connection to the proposed future Western Harbour Tunnel and Beaches Link project, and
 - A tunnel connection between the Anzac Bridge and Victoria Road, east of Iron Cove Bridge.

This Report applies to Stage 2 of the M4-M5 Link, the design and construction of the Rozelle Interchange project (the project).

1.2. Purpose and Scope

The Tree Replacement Report describes how the Project will address the requirements of the Planning Minister's Conditions of Approval (CoA), the WestConnex M4-M5 Link Environmental Impact Statement (EIS), the revised environmental management measures (REMMs) listed in the WestConnex M4-M5 Link Submissions and Preferred Infrastructure Report (SPIR) and the Infrastructure Sustainability Council of Australia (ISCA) IS Technical Manual V1.2

This report has been developed to respond to the CoA E177-E179 inclusive, and other relevant REMMs as shown in Table 1 and will be submitted to the Secretary for approval no later than one month prior to operation.

All replacement trees included in this report and landscape designs are in accordance with and detailed further in the Urban Design and Landscape Plan (UDLP) RIC-HSL-PLN-00-UD-001.

1.3. Conditions of Approval and Revised Environmental Mitigation Measures

Table 1 lists the CoAs and REMMs relevant to this report.

Table 1 Ministers Conditions of Approval and Revised Environment Management Measures

CoA / REMM No	Condition Requirements	Where Addressed
E177	The CSSI must be designed to retain as many trees as possible. Where trees are to be removed, the Proponent must provide a net increase in the number of replacement trees. Replacement trees must be planted within, and on public land up to 500 metres from the CSSI boundary. Replacement tree plantings can be undertaken beyond 500 metres on public land within the local government areas to which the CSSI approval applies if no more plantings are practicable within and up to 500 metres from the CSSI boundary. The location of the trees must be determined in consultation with the relevant authority(s).	Section 3.2
E178	Replacement trees are to have a minimum pot size of 75 litres except where the plantings are consistent with the pot sizes specified in a relevant authority's plans / programs / strategies management, street planting, or open space landscaping, or as agreed by the relevant authority(s).	Replacement trees Section 3.1 Relevant plans Section 2
E179	The Proponent must submit to the Secretary a report which details the type, size, number and location of replacement trees. The report must demonstrate how any replacement plantings with a pot size less than 75 litres are consistent with the requirements of Condition E178. The report must be submitted to the Secretary one (1) month prior to operation.	This report Section 3.1 Table 2,3,4
FFMP12	In the event that tree removal cannot be avoided, the tree removed will be accounted for in the tree report required in accordance with E179	Annexure A Tree Removal Register
FFMP30	Progressively rehabilitate, regenerate and/or revegetate disturbed areas in accordance with the Urban Design and Landscape Plan.	UDLP
FFMP31	A Tree Report will be prepared that details the type, size, number and location of replacement trees. The report will demonstrate how any plantings with a pot size less than 75 L are consistent with the requirements of CoA E178.	This report Section 3.1 Table 2,3,4
REMM B6	As many trees as possible will be retained during construction. In the event that tree removal cannot be avoided, a tree replacement strategy will be prepared. Replacement trees will be included in the relevant UDLP.	This report

CoA / REMM No	Condition Requirements	Where Addressed
	Opportunities for the provision of replacement trees outside the project boundary will be investigated in consultation with local councils.	

2. Relevant Authority's Plans, Programs and Management Strategies

The Project is a Transport for NSW (TfNSW, formerly Road and Maritime Services) project on TfNSW land. TfNSW are the Proponent and a Statutory Authority, TfNSW is considered the relevant authority with regards guidelines and plans to adopt on the Project.

The relevant plans, programs and management strategies for this report are;

- RMS Specification R179 Landscape Planting Edition 1 Revision 1
- Landscape Design Guideline RMS December 2018

3. Replacement Trees

3.1. Guidelines and sizing

CoA E178 requires that where the project is proposing to utilise pot sizes below 75 litres, it must be done consistently with the relevant authority's guidelines, in this case RMS/TfNSW's documents listed in Section 2 above and detailed below.

This strategy proposes some replacement plantings with a pot size less than 75 litres consistent with the relevant authorities plans and programs.

Figure 2 below is an extract from the RMS/TfNSW Landscape Design Guideline which lists appropriate pot sizing for trees planting on TfNSW Projects. The RMS/TfNSW guideline identifies a minimum pot size of 5L.

Table 3 Planting size and direct seeding requirements for urban and rural locations				
Location	Tree	Shrubs, ground covers and native grass	Mulching (Hardwood chip mulch)	Direct native seeding
Urban areas	Minimum 5L containers	5L, 140mm and tubestock	Fully mulched	No
Semi-urban and rural areas	70% Forestry-tubes and 30% Advanced	140mm and tubestock	Fully mulched	Yes
Intersections, interchanges and roundabouts	Minimum 5L containers	5L, 140mm and tubestock	Fully mulched	No
Noise walls and retaining walls	Minimum 5L containers	5L, 140mm and tubestock	Fully mulched	No

Figure 2 Extract from RMS/TfNSW Landscape Design Guidelines December 2018

It is considered that the intent of the specification of 75L pots was to ensure that, from both an ecological and amenity perspective, revegetated areas started at a point where they will have a more immediate impact than using seed, tube stock or small volume pots. However, the use of various pot sizes at the time of planting, in addition to careful species selection can result in a more natural style of planting arrangement at the time of installation

As described in the UDLP and landscape designs, a diverse and layered tree canopy has been developed to support the ecological approach to the site. Where larger trees are installed, they will vary container sizes ranging from 25 litres to 1000 litres to allow for this design. Over time, the varying growth heights, structures and forms of planting will add greater interest and deliver a more robust urban design outcome. The use of varying pot sizes is standard practice on TfNSW projects which, subject to good planting layout at the time of installation, creates well-proportioned and balanced landscape settings. Annexure C is an extract example of a layered canopy approach from the landscape design planting plan from the Rozelle Railyards, noting that this design is subject to change.

An assessment was undertaken for all species and pot sizes proposed in the landscape design and planting schedule to ascertain which species will meet the definition of a tree (opposed to a shrub, grass or herb) using the definition of a tree from the following documents.

- The Project EIS Technical Working Paper: Biodiversity impact assessment, Annexure G – Arboriculture Impact Assessment, August 2017
“For the purposes of this report, trees must be at least three metres in height with a trunk diameter of greater than 100 millimetres”
- Australian Standard 4970-2009
Long live woody perennial plant greater than (or usually greater than) 3m in height with one or relatively few main stems or trunks (or as defined by the determining authority)
- RMS Specification R179
Tree: A tall perennial woody plant having a main trunk and branches forming a distinct elevated crown; includes both gymnosperms and angiosperms.

Any species, once mature, planted below a pot size of 75 litres that do not comply with these guidelines have not been included in replacement tree count in this Report.

A 25 litre pot size was chosen as a minimum size to include as tree replacement as the majority of species below 25 litre pot size did not meet the criteria above and were mostly classed as shrubs, plants, or grasses.

Any species in 25 litre or greater pots that did not meet the above requirements were also excluded from the tree replacement count.

3.2. Tree Removal

During construction, all opportunities for retaining trees using design modification and tree sensitive construction techniques were explored. Within the EIS the arboricultural impact assessment highlighted opportunities for retaining additional trees and high retention value trees. While approved in the EIS these areas were investigated for retention and include the following examples of tree retention:

- Retention of high retention value trees along the Lilyfield Rd by reducing the size of the noise hoarding/fencing from 4m to 1.5m
 - Retention of trees along Balmain Shores due to changing construction methodology and underboring for high voltage electrical cables
 - Retention of trees at Pigtail bridge by re-design to shorten the approach ramp
-

- ITS redesign to retain trees by moving overhead height detectors on City West Link, Victoria Road and Brennan Street.

The measures implemented to retain trees demonstrates compliance with the requirement of E177 to 'retain as many trees as possible' and REMM B6.

The Project maintained a tree removal register. This register is in Annexure A. A total of 3351 trees have been removed for the Project works and it is estimated that between 5 and 50 additional trees may be removed prior to Project operation. It is noted many of these trees were narrow sucker sprouts from casuarinas which accounts for the high tree count but low density of vegetation within the Project footprint.

Currently there is a surplus of 927 trees being replanted. As most of the clearing has been completed this surplus is sufficient to cover any future removals required for the remainder of the construction programme. Should the future anticipated clearing requirements change, and this surplus number be exceeded the report will be updated and resubmitted for information.

As per CoA E177, a net increase in the number of replacement trees is provided. The number of trees for replacement as per landscape design is across three areas and totals 4288 trees. The three areas are:

- Rozelle Park: 3034 trees
- Iron Cove: 157 trees
- Rozelle Local Roads, within the Project footprint: 1097 trees

Replacement trees are all planted within the Project boundary. As a result, no planting is required to be undertaken on public land to ensure the net increase required by MCoA E177. All landscaping designs have involved consultation with Inner West Council and the adjoining City of Sydney Council through the Urban Design and Landscape Plan consultation process. TfNSW is the relevant authority for all planting locations. TfNSW have reviewed the planting schedules and designs. Refer to Annexure B UDLP – Proposed Planting Locations.

3.3. Tree Replacement Detail

Replacement tree details have been gathered from the UDLP and three landscaping design packages for the Project. The following type, size and number of trees to be planted for each area are detailed below in Table 2, Table 3 and Table 4.

Table 2 Rozelle Park Tree Replacement Detail

Scientific Name	Common Name	Pot Size	Quantity
<i>Acmena smithii</i>	Lilly Pilly	25	170
<i>Backhousia myrtifolia</i>	Grey Myrtle	25	180
<i>Banksia integrifolia</i>	Coast Banksia	25	503
<i>Callicoma serratifolia</i>	Blackwattle	25	335
<i>Cyathea cooperi</i>	Australian Tree Fern	25	44
<i>Elaeocarpus reticulatus 'Prima Donna'</i>	Bluberry Ash	25	350
<i>Livistona australis</i>	Cabbage Tree Palm	25	91
<i>Melaleuca linariifolia</i>	Snow-in-summer	25	151
<i>Acmena smithii</i>	Lilly Pilly	25	20
<i>Angophora costata</i>	Sydney Red gum	25	84
<i>Banksia integrifolia</i>	Coast Banksia	25	37
<i>Casuarina glauca</i>	Swamp She-Oak	25	28
<i>Eucalyptus botryoides</i>	Bangalay	25	16

Scientific Name	Common Name	Pot Size	Quantity
Eucalyptus pilularis	Blackbutt	25	45
Eucalyptus piperita	Sydney Peppermint	25	22
Melaleuca linariifolia	Narrow-Leaved Paperbark	25	62
Total 25L			2138
Angophora costata	Sydney Red gum	75	168
Banksia integrifolia	Coast Banksia	75	146
Eucalyptus pilularis	Blackbutt	75	145
Eucalyptus saligna	Sydney Blue Gum	75	26
Melaleuca quinquenervia	Broad-Leaved Paperbark	75	14
Syncarpia glomulifera	Turpentine Tree	75	13
Tristaniopsis laurina	Watergum	75	9
Angophora costata	Sydney Red gum	100	30
Banksia integrifolia	Coast Banksia	100	208
Archontophoenix cunninghamiana	Banksia integrifolia	200	45
Corymbia ficifolia 'Summer Beauty'	Red Flowering Gum	200	9
Cupaniopsis anacardioides	Tuckeroo	200	20
Lagerstroemia fauriei 'Kiowa'	Crepe Myrtle	200	7
Tristaniopsis laurina	Watergum	200	13
Xanthostemon chrysanthus	Golden Penda	200	10
Ficus microcarpa var. hillii	Queensland Weeping fig	1000	13
Ficus rubiginosa	Port Jackson Fig	1000	17
Ulmus parvifolia	Chinese Elm	1000	3
		Total	3034

Table 3 Iron Cove Tree Replacement Detail

Scientific Name	Common Name	Pot Size	Quantity
Elaeocarpus reticulatus 'Prima Donna'	Blueberry Ash	25	6
Acmena smithii	Lilly Pilly	25	8
Banksia integrifolia	Coast Banksia	25	29
Buckinghamia celsissima	Ivory Curl Flower	25	32
Elaeocarpus reticulatus 'Prima Donna'	Blueberry Ash	25	28
Total 25L			103
Elaeocarpus reticulatus 'Prima Donna'	Blueberry Ash	75	9
Cupaniopsis anacardioides	Tuckeroo	100	12
Tristaniopsis laurina 'luscious'	Water gum	200	16
Ficus rubiginosa	Port Jackson Fig	400	17
		Total	157

Table 4 Rozelle Local Roads Replacement Tree Detail

Scientific Name	Common Name	Pot Size	Quantity
Acmena smithii	Lilly Pilly	25	91

Scientific Name	Common Name	Pot Size	Quantity
Banksia integrifolia	Coast Banksia	25	331
Callicoma serratifolia	Blackwattle	25	104
Cyathea cooperi	Australian Tree Fern	25	336
Elaeocarpus reticulatus 'Prima Donna'	Bluberry Ash	25	149
Total 25L			1011
Angophora costata	Sydney Red Gum	75	8
Cupaniopsis anacardioides	Tuckeroo	75	37
Eucalyptus pilularis	Blackbutt	75	18
Lophostemon confertus	Brush Box	100	9
Ficus hillii	Weeping Fig	200	2
Ficus rubiginosa	Port Jackson Fig	200	12
		Total	1097

Annexure A Tree Removal Register

Area		Total No. Trees Removed	
Rozelle Rail Yards		950	
Iron Cove Link		135	
Local Roads (Rozelle)		6	
CWL/The Crescent		892	
Victoria Rd		1368	
Total Removed		3351	

Document Date	Species	Native/Exotic	Count
05/06/2019	<i>Casuarina glauca</i>	Native	526
05/06/2019	<i>Banksia integrifolia</i>	Native	8
05/06/2019	<i>Celtis sinensis</i>	Exotic	36
05/06/2019	<i>Ailanthus altissima</i>	Exotic	5
05/06/2019	<i>Callistemon citrinus</i>	Native	3
05/06/2019	<i>Acacia sinensis</i>	Native	3
05/06/2019	<i>Olea europaeae</i>	Exotic	6
05/06/2019	<i>Phoenix canariensis</i>	Exotic	3
05/06/2019	<i>Acacia longifolia</i>	Native	28
05/06/2019	<i>Melaleuca spp</i>	Native	18
05/06/2019	<i>Eucalyptus/Angophora/Corymbia spp</i>	Native	164
05/06/2019	<i>Schinus molle</i>	Exotic	3
09/07/2019	<i>Nerium oleander</i>	Exotic	1
09/07/2019	<i>Phoenix canariensis</i>	Exotic	23
09/07/2019	<i>Olea europaeae</i>	Exotic	72
09/07/2019	<i>celtis occidentalis</i>	Exotic	18
09/07/2019	<i>Grevilia robusta</i>	Native	4
09/07/2019	<i>Pittosporum undulatum</i>	Native	11
09/07/2019	<i>Ficus rubiginosa</i>	Native	2
09/07/2019	<i>Acacia longifolia</i>	Native	8
09/07/2019	<i>Cinamomum camphora</i>	Exotic	1
09/07/2019	<i>ligustrum sinense</i>	Exotic	2
09/07/2019	<i>ligustrum lucidum</i>	Exotic	2
09/07/2019	<i>Jacaranda mimosifolia</i>	Exotic	1
04/09/2019	<i>Ficus microcarpa</i>	Native	2
		Total RRY	950

Document Date	Species	Native/Exotic	Count
05/06/2019	<i>Jacaranda mimosifolia</i>	Exotic	4
05/06/2019	<i>Magnolia grandiflora</i>	Exotic	1
05/06/2019	<i>Banksia integrifolia</i> +2	Native	6
05/06/2019	<i>Eucalyptus spp</i>	Native	1
05/06/2019	<i>Angophora spp</i>	Native	2
05/06/2019	<i>Cupaniopsis anacardiodes</i>	Native	5
05/06/2019	<i>Ficus rubiginosa</i>	Native	4
05/06/2019	<i>Acacia longifolia</i>	Native	2
05/06/2019	<i>Acacia maidenii</i>	Native	3
05/06/2019	<i>Callistemon viminalis</i>	Native	4
05/06/2019	<i>Callistemon citrinus</i>	Native	1
05/06/2019	<i>Casuarina glauca</i>	Native	4
05/06/2019	<i>Plumeria rubra</i>	Exotic	6
05/06/2019	<i>Melaleuca bracteata</i>	Native	12
05/06/2019	<i>Tristaniopsis laurina</i>	Native	1
05/06/2019	<i>Synoum glandulosum</i>	Native	1
05/06/2019	<i>Murraya koenigii</i>	Exotic	2
05/06/2019	<i>Tradica semifera</i>	Exotic	1
05/06/2019	<i>Persea americana</i>	Exotic	2
05/06/2019	<i>Ficus carica</i>	Exotic	1
05/06/2019	<i>Syagrus romanzoffiana</i>	Exotic	3
05/06/2019	<i>Yucca aliofolia</i>	Exotic	1
05/06/2019	<i>Murraya paniculata</i>	Exotic	2
05/06/2019	<i>Acmena smithii</i>	Native	2
05/06/2019	<i>Syzigium australe</i>	Native	5
05/06/2019	<i>Camelia spp</i>	Exotic	6
05/06/2019	<i>Viburnum tinus L.</i>	Exotic	3
05/06/2019	<i>Dypsis lutescens</i>	Exotic	6
05/06/2019	<i>Durante erecta</i>	Exotic	3
05/06/2019	<i>Ricinus communis</i>	Exotic	1
05/06/2019	<i>Lagerstroemia spp</i>	Exotic	4
05/06/2019	<i>Acer palmatum</i>	Exotic	2
05/06/2019	<i>Cestrum parqui.</i>	Exotic	1
05/06/2019	<i>Tibouchina lepidota</i>	Exotic	1
05/06/2019	<i>Schefflera arboricola</i>	Exotic	1
05/06/2019	<i>Coffea arabica</i>	Exotic	1
05/06/2019	<i>Olea europaea</i>	Exotic	1
05/06/2019	<i>Hibiscus spp</i>	Exotic	2
05/06/2019	<i>Grevillia banksii</i>	Native	1
05/06/2019	<i>Euphorbia pulcherrima</i>	Exotic	1
05/06/2019	<i>Lophostemon spp</i>	Native	6

Document Date	Species	Native/Exotic	Count
05/06/2019	<i>Backhousia citriodora</i>	Native	13
25/11/2019	<i>Banksia integrifolia</i>	Native	1
25/11/2019	<i>Casuarina glauca</i>	Native	3
25/11/2019	<i>Ulmus parvifolia</i>	Exotic	1
02/04/2020	<i>Cupaniopsis anacardioides</i>	Native	1
04/02/2021	<i>Archontophoenix alexandriae</i>	N	1
04/02/2021	<i>Corymbia citriodora</i>	N	1
04/02/2021	<i>Jacaranda mimosifolia</i>	N	1
		Total ICL	135
Document Date	Species	Native/Exotic	Count
18/06/2019	<i>Glochidion ferdinandi</i>	N	4
18/06/2019	<i>Eucalypt spp</i>	N	50
18/06/2019	<i>Jacaranda mimosifolia</i>	E	1
18/06/2019	<i>Melaleuca alternifolia</i>	N	1
18/06/2019	<i>Callistemon rigidus</i>	N	3
18/06/2019	<i>Acacia longifolia</i>	N	3
18/06/2019	<i>Casuarina glauca</i>	N	152
18/06/2019	<i>Acacia baileyana</i>	N	3
18/06/2019	<i>Melaleuca bracteata</i>	N	1
18/06/2019	<i>Cupaniopsis anacardioides</i>	N	7
18/06/2019	<i>Celtis sinensis</i>	E	26
18/06/2019	<i>Araucaria heterophylla</i>	N	1
18/06/2019	<i>Acacia fimbriata</i>	N	1
18/06/2019	<i>Melaleuca quinquenervia</i>	N	15
18/06/2019	<i>Cinamomum camphora</i>	E	1
18/06/2019	<i>Ficus rubiginosa</i>	N	1
18/06/2019	<i>Tradica semifera</i>	E	1
18/06/2019	<i>Phoenix canariensis</i>	E	13
18/06/2019	<i>Banksia integrifolia</i>	N	2
18/06/2019	<i>Elaeocarpus reticulatus</i>	N	1
18/06/2019	<i>Acmena spp</i>	N	5
18/06/2019	<i>Callistemon viminalis</i>	N	22
18/06/2019	<i>Ficus benjamina</i>	N	1
18/06/2019	<i>Acacia floribunda</i>	N	2
18/06/2019	<i>Ficus macrophylla</i>	N	4
18/06/2019	<i>Hakea salicifolia</i>	N	3
18/06/2019	<i>Hakea gibbosa</i>	N	3
18/06/2019	<i>Banksia serrata</i>	N	2
18/06/2019	<i>Juniperus spp</i>	E	4
18/06/2019	<i>Lophostemon confertus</i>	N	3
18/06/2019	<i>Grevillia robusta</i>	N	1
18/06/2019	<i>Tecoma stans</i>	E	15
18/06/2019	<i>Melia azedarach</i>	N	5
09/07/2019	<i>Casuarina glauca</i>	N	4

Document Date	Species	Native/Exotic	Count
09/07/2019	<i>Casuarina glauca</i>	N	42
30/08/2019	<i>Casuarina glauca</i>	N	27
19/11/2019	<i>Acacia longissima</i>	N	8
19/11/2019	<i>Allocasuarina littoralis</i>	N	9
19/11/2019	<i>Angophora costata</i>	N	1
19/11/2019	<i>Morus alba</i>	E	2
19/11/2019	<i>Callistemon viminalis</i>	N	2
19/11/2019	<i>Casuarina glauca</i>	N	25
19/11/2019	<i>Celtis sinensis</i>	E	23
19/11/2019	<i>Celtis occidentalis</i>	E	90
19/11/2019	<i>Cinnamomum camphora</i>	E	4
19/11/2019	<i>Cupressus sp.</i>	E	1
19/11/2019	<i>Eucalyptus sp.</i>	N	2
19/11/2019	<i>Ligustrum lucidum</i>	E	7
19/11/2019	<i>Lophostemon confertus</i>	N	1
19/11/2019	<i>Phoenix canariensis</i>	E	8
19/11/2019	<i>Pittosporum undulatum</i>	N	8
29/11/2019	<i>Acacia parramattensis</i>	N	3
29/11/2019	<i>Angophora floribunda</i>	N	3
29/11/2019	<i>Casuarina cunninghamiana</i>	N	4
29/11/2019	<i>Casuarina glauca</i>	N	10
29/11/2019	<i>Celtis occidentalis</i>	E	6
29/11/2019	<i>Corymbia citriodora</i>	N	1
29/11/2019	<i>Eucalyptus punctate</i>	N	1
29/11/2019	<i>Eucalyptus robusta</i>	N	1
29/11/2019	<i>Eucalyptus fibrosa</i>	N	1
29/11/2019	<i>Melaleuca styphelioides</i>	N	1
03/12/2019	<i>Acacia longissima</i>	N	8
03/12/2019	<i>Allocasuarina littoralis</i>	N	8
03/12/2019	<i>Angophora costata</i>	N	1
03/12/2019	<i>Morus alba</i>	E	2
03/12/2019	<i>Callistemon viminalis</i>	N	2
03/12/2019	<i>Casuarina glauca</i>	N	9
03/12/2019	<i>Celtis sinensis</i>	E	2
03/12/2019	<i>Celtis occidentalis</i>	E	46
03/12/2019	<i>Cinnamomum camphora</i>	E	4
03/12/2019	<i>Cupressus sp.</i>	E	1
03/12/2019	<i>Eucalyptus sp.</i>	N	1
03/12/2019	<i>Ligustrum lucidum</i>	E	7
03/12/2019	<i>Lophostemon confertus</i>	N	1
03/12/2019	<i>Phoenix canariensis</i>	E	3
03/12/2019	<i>Pittosporum undulatum</i>	N	8
20/01/2020	<i>Acacia parramattensis</i>	N	3
20/01/2020	<i>Angophora floribunda</i>	N	3

Document Date	Species	Native/Exotic	Count
20/01/2020	<i>Casuarina cunninghamiana</i>	N	4
20/01/2020	<i>Casuarina glauca</i>	N	10
20/01/2020	<i>Celtis occidentalis</i>	E	6
20/01/2020	<i>Corymbia citriodora</i>	N	1
20/01/2020	<i>Eucalyptus punctate</i>	N	1
20/01/2020	<i>Eucalyptus robusta</i>	N	1
20/01/2020	<i>Eucalyptus fibrosa</i>	N	1
20/04/2020	<i>Casuarina glauca</i>	N	9
20/04/2020	<i>Melaleuca styphelioides</i>	N	1
21/04/2020	<i>Eucalyptus fibrosa</i>	N	1
15/05/2020	<i>Eucalyptus sp.</i>	N	1
15/05/2020	<i>Phoenix canariensis</i>	E	2
15/05/2020	<i>Celtis occidentalis</i>	E	7
16/05/2020	<i>Phoenix canariensis</i>	E	2
16/05/2020	<i>Celtis sinensis</i>	E	3
16/05/2020	<i>Celtis occidentalis</i>	E	30
16/05/2020	<i>Casuarina glauca</i>	N	5
18/08/2020	<i>Celtis occidentalis</i>	N	2
09/09/2020	<i>Casuarina glauca</i>	N	32
09/09/2020	<i>Celtis occidentalis</i>	N	4
09/09/2020	<i>Banksia integrifolia</i>	N	1
26/09/2020	<i>Callitris rhomboidea</i>	N	2
31/10/2020	<i>Casuarina glauca</i>	N	2
31/10/2020	<i>Eucalyptus robusta</i>	N	1
31/10/2020	<i>Eucalyptus saligna</i>	N	1
31/10/2020	<i>Eucalyptus botryoides x saligna</i>	N	1
		Total CWL/Crescent	892
Document Date	Species	Native/Exotic	Count
01/07/2019	<i>Acacia longifolia</i>	N	30
01/07/2019	<i>Celtis sinensis</i>	E	46
01/07/2019	<i>Morus nigra</i>	E	4
01/07/2019	<i>Casuarina glauca</i>	N	114
01/07/2019	<i>Olea Europa</i>	E	8
01/07/2019	<i>Cinnamomum camphora</i>	E	6
01/07/2019	<i>Tradica semifera</i>	E	6
01/07/2019	<i>Banksia integrifolia</i>	N	2
01/07/2019	<i>Cotoneaster glaucophyllus</i>	E	1
09/08/2019	<i>Acacia binervia</i>	N	3
09/08/2019	<i>Acacia longifolia subsp. sophorae</i>	N	5
09/08/2019	<i>Casuarina glauca</i>	N	95
09/08/2019	<i>Celtis occidentalis</i>	E	10
09/08/2019	<i>Celtis sinensis</i>	E	10
09/08/2019	<i>Cinnamomum camphora</i>	E	7
09/08/2019	<i>Corymbia maculata</i>	N	6

Document Date	Species	Native/Exotic	Count
09/08/2019	<i>Eucalyptus microcorys</i>	N	2
09/08/2019	<i>Eucalyptus punctata</i>	N	4
09/08/2019	<i>Eucalyptus saligna</i>	N	9
09/08/2019	<i>Eucalyptus sp.</i>	N	1
09/08/2019	<i>Ficus microcarpa</i> var. <i>hillii</i>	N	11
09/08/2019	<i>Schinus molle</i>	E	3
13/08/2019	<i>Acacia binervia</i>	N	3
13/08/2019	<i>Acacia longifolia</i> subsp. <i>sophorae</i>	N	5
13/08/2019	<i>Casuarina glauca</i>	N	95
13/08/2019	<i>Celtis occidentalis</i>	E	10
13/08/2019	<i>Celtis sinensis</i>	E	10
13/08/2019	<i>Cinnamomum camphora</i>	E	7
13/08/2019	<i>Corymbia maculata</i>	N	6
13/08/2019	<i>Eucalyptus microcorys</i>	N	2
13/08/2019	<i>Eucalyptus punctata</i>	N	4
13/08/2019	<i>Eucalyptus saligna</i>	N	9
13/08/2019	<i>Eucalyptus sp.</i>	N	1
13/08/2019	<i>Ficus microcarpa</i> var. <i>hillii</i>	N	11
13/08/2019	<i>Schinus molle</i>	E	3
13/08/2019	<i>Acacia binervia</i>	N	5
13/08/2019	<i>Acacia longifolia</i> subsp. <i>sophorae</i>	N	5
13/08/2019	<i>Casuarina glauca</i>	N	327
13/08/2019	<i>Celtis occidentalis</i>	E	5
13/08/2019	<i>Celtis sinensis</i>	E	7
13/08/2019	<i>Cinnamomum camphora</i>	E	6
13/08/2019	<i>Eucalyptus sp.</i>	N	8
13/08/2019	<i>Ficus microcarpa</i> var. <i>hillii</i>	N	3
13/08/2019	<i>Ligustrum sinense</i>	E	3
30/08/2019	<i>Casuarina glauca</i>	N	310
30/08/2019	<i>Cinnamomum camphora</i>	E	2
30/08/2019	<i>Melaleuca quinquenervia</i>	N	1
30/08/2019	<i>Eucalyptus sp.</i>	N	9
30/08/2019	<i>Celtis sinensis</i>	E	16
30/08/2019	<i>Corymbia maculata</i>	N	13
30/08/2019	<i>Melia azedarach</i>	N	2
01/11/2019	<i>Eucalyptus microcorys</i>	N	4
01/11/2019	<i>Eucalyptus sp.</i>	N	1
01/11/2019	<i>Robinia pseudoacacia</i>	E	14
01/11/2019	<i>Acer negundo</i>	E	1
13/12/2019	<i>Banksia integrifolia</i>	E	2
13/12/2019	<i>Callistemon viminalis</i>	N	42
13/12/2019	<i>Casuarina cunninghamiana</i>	N	2
13/12/2019	<i>Casuarina glauca</i>	N	6
13/12/2019	<i>Celtis sp.</i>	E	4

Document Date	Species	Native/Exotic	Count
13/12/2019	<i>Ficus rubiginosa</i>	N	1
13/12/2019	<i>Phoenix canariensis</i>	E	1
25/03/2020	<i>Callistemon citrinus</i>	N	1
25/03/2020	<i>Casuarina glauca</i>	N	8
25/03/2020	<i>Cupaniopsis anacardioides</i>	N	3
28/04/2020	<i>Casuarina glauca</i>	N	4
29/04/2020	<i>Melaleuca quinquenervia</i>	N	3
		Total Vic Rd	1368

Annexure B UDLP – Proposed Planting Locations



Figure 4-11: Rozelle - Concept Plan - Drawing 1 of 4



Figure 4-12: Rozelle - Concept Plan - Drawing 2 of 4

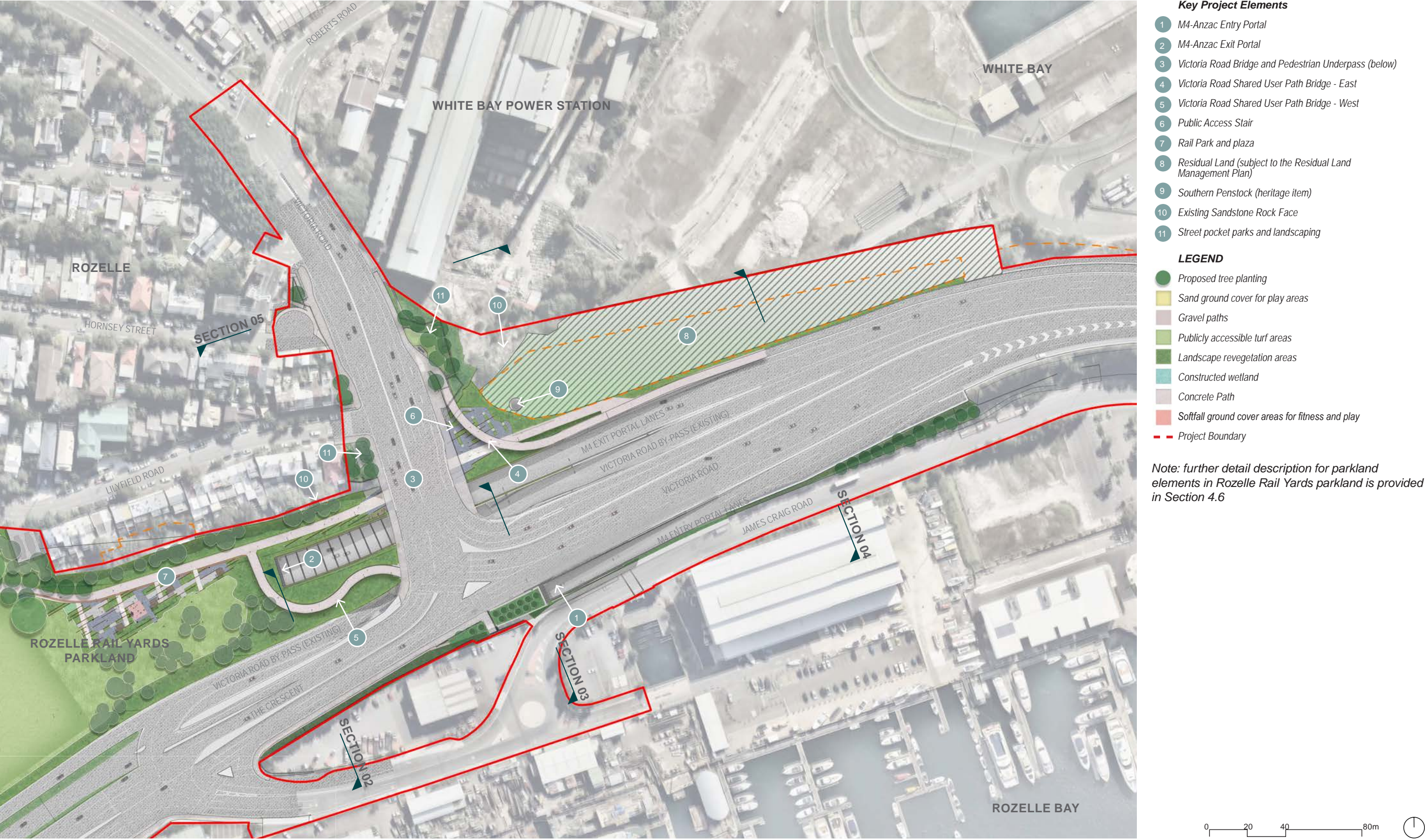


Figure 4-13: Rozelle - Concept Plan - Drawing 3 of 4



Figure 4-14: Rozelle - Concept Plan - Drawing 4 of 4



- Key Project Elements**
- 1 Iron Cove Link Portals
 - 2 Iron Cove Link surface fixed facility
(subject to approval of modification SSI-7485-Mod-3)
 - 3 Green Link pocket parks and landscaping
 - 4 Foreshore parklands and The Bay Run
 - 5 Iron Cove Bridge
 - 6 Shared zone cul-de-sac
 - 7 Landscaped median crossing behind portal

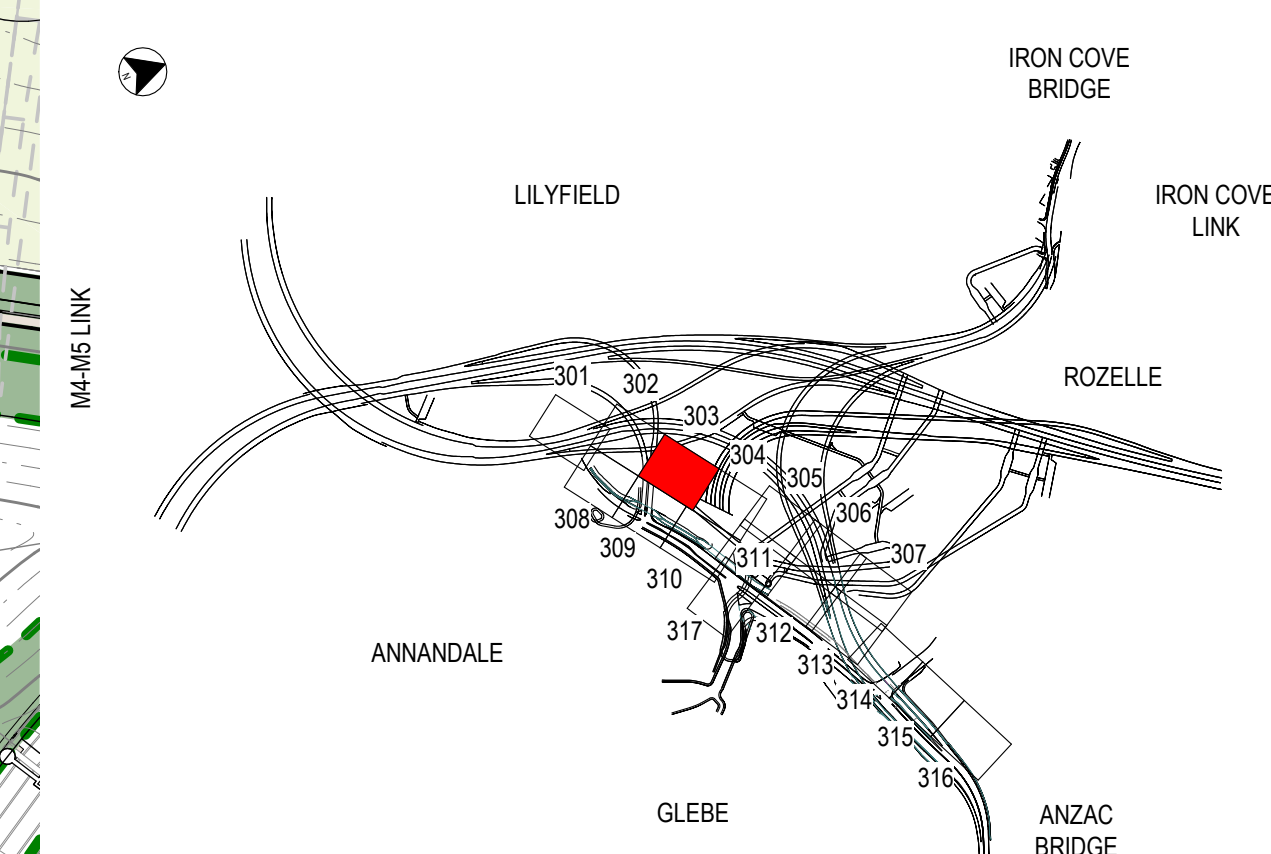
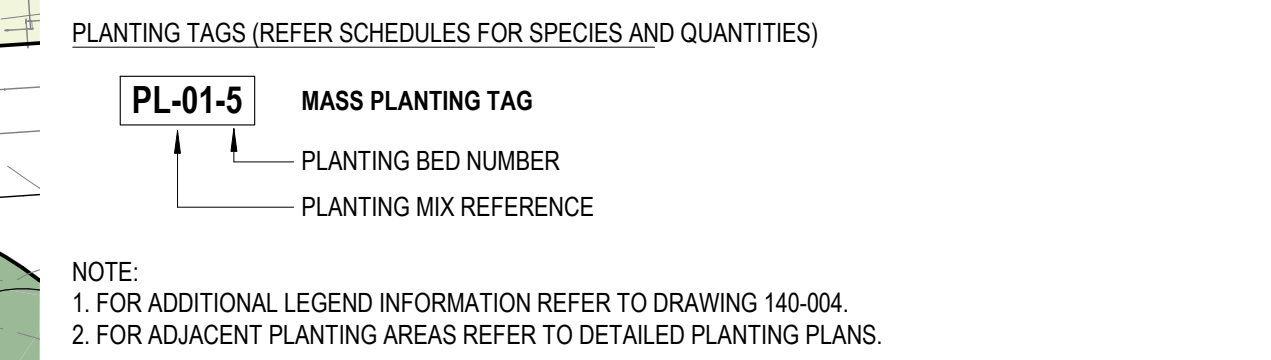
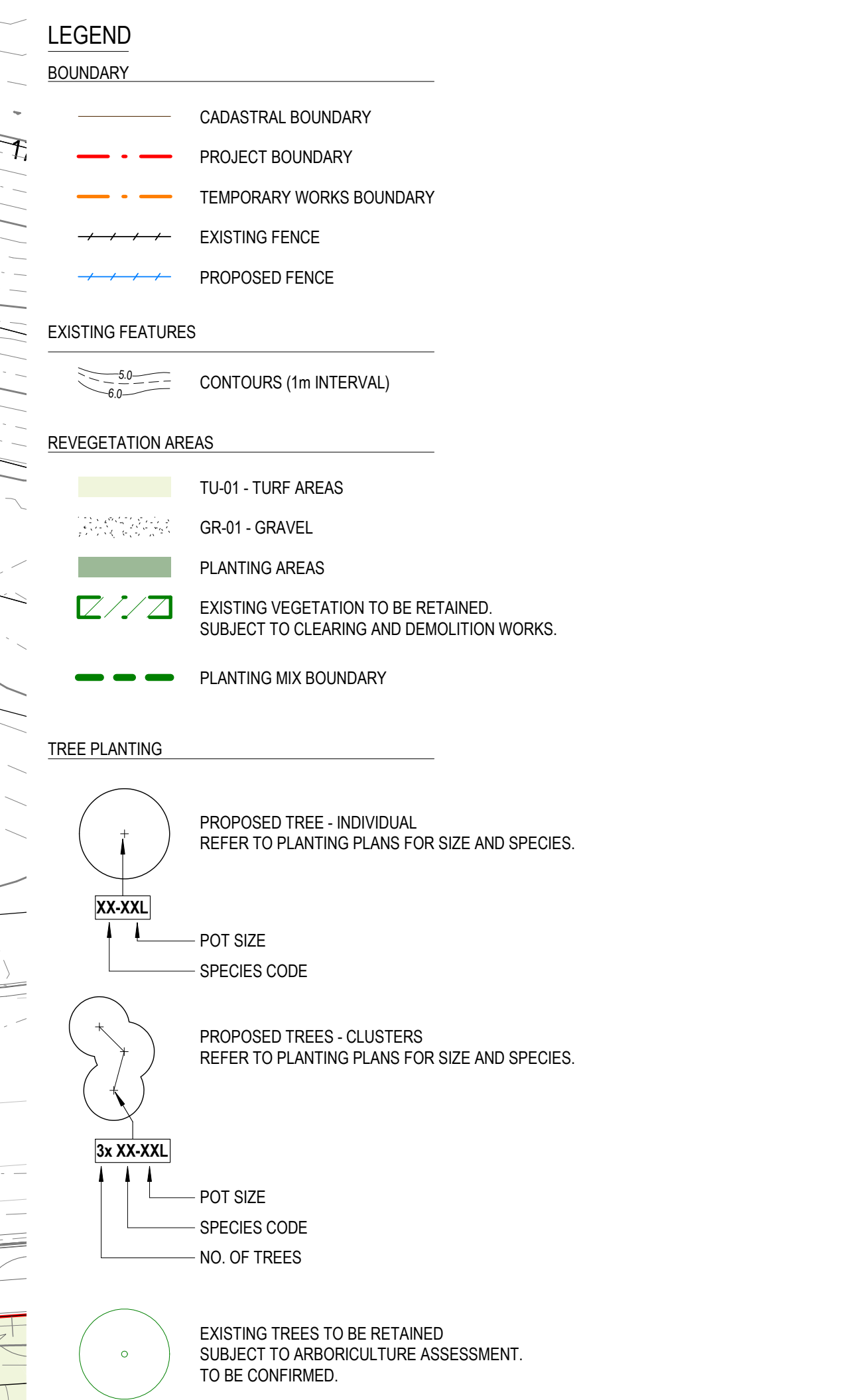
- LEGEND**
- Proposed tree planting
 - Road
 - Publicly accessible turf areas
 - Landscape revegetation areas
 - Concrete paths
 - Project Boundary





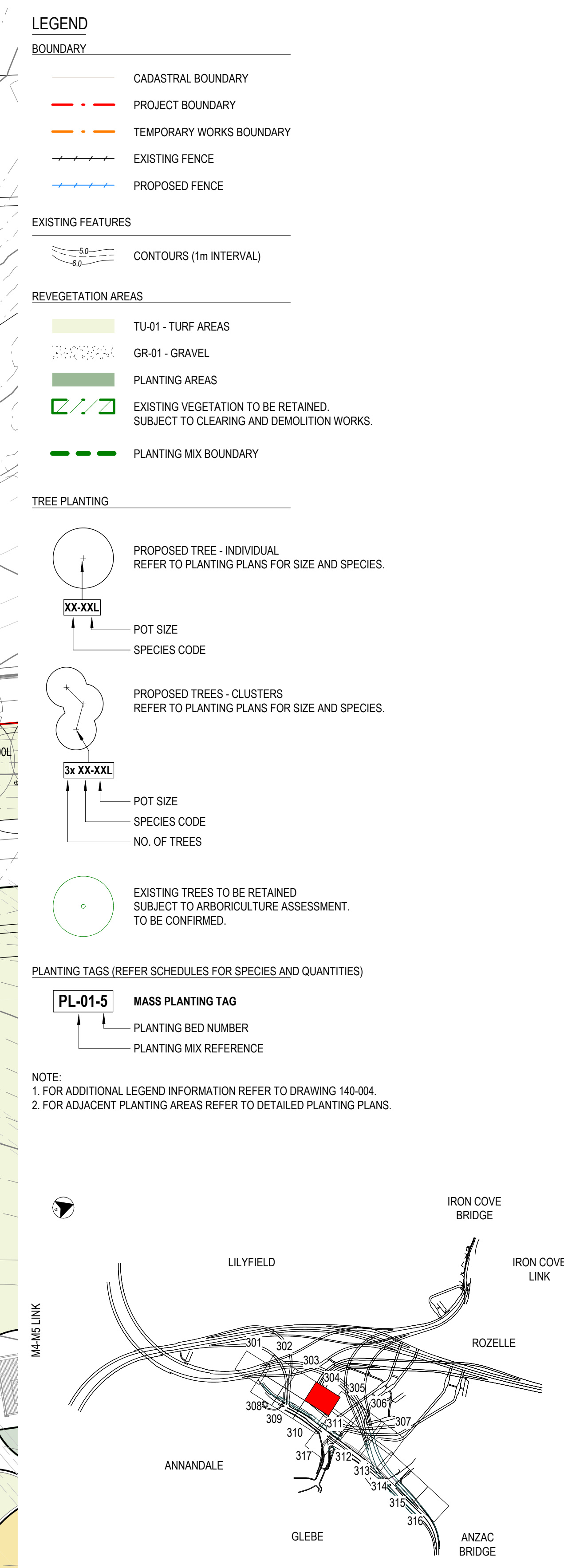
Figure 4-41: Iron Cove Link - Landscape Concept Plan - Drawing 2 of 2



**Annexure C Extract from Rozelle Railyards Landscape
design Planting Plan**





NOT FOR CONSTRUCTION


DRAWING FILE LOCATION / NAME BIM 360://WestConnex Stage 3B/RIC-HSL-MOD-20-UD-010 ROZELLE RAILYARDS.rvt				DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING BIM 360://WestConnex Stage 3B/RIC-HSL-MOD-20-UD-010 ROZELLE RAILYARDS.rvt				PLOT DATE / TIME 26/11/2020 9:20:26 PM		PLOT BY YURONG TAN				WESTCONNEX M4 / M5 LINK, CITY WEST LINK & VICTORIA ROAD INNER WEST COUNCIL		A1		
REV	DATE	REVISION DESCRIPTION	APPROVAL	CO-ORDINATE SYSTEM	SCALES ON A1 SIZE DRAWING	CLIENT	TITLE		NAME	DATE	 		ROZELLE INTERCHANGE ROZELLE RAILYARDS - LANDSCAPE DESIGN PLANTING PLAN					
A1	02/10/2019	NOT ISSUED	-	MGA ZONE 56		 	DRAWN	YURONG TAN	27/11/2020		 		SHEET 3					
A	15/10/2019	NOT ISSUED	-	HEIGHT DATUM					DRG CHECK	BEN CHARLTON	27/11/2020		 		PACKAGE No. 20_84		JC/IV DOCUMENT NAME	REV
B1	03/07/2020	ISSUED FOR INTERNAL REVIEW	MG	AHD					DESIGN	ANTHONY PAPAS	27/11/2020		 		RIC-HSL-DRG-20-UD-150-303			
B	24/07/2020	ISSUED FOR SUBSTANTIAL DETAILED DESIGN	MG	DESIGN PHASE			DESIGN CHECK	ANTHONY PAPAS	27/11/2020									
C1	10/11/2020	ISSUED FOR INTERNAL REVIEW	MG	FDD			DESIGN MNGR	MALCOLM GRAHAM	27/11/2020									
C	27/11/2020	ISSUED FOR FINAL DESIGN DOCUMENTATION	MG	FINAL DESIGN DOCUMENTATION			PROJECT MNGR	JOSHUA SMALL	27/11/2020									





DRAWING FILE LOCATION / NAME BIM 360://WestConnex Stage 3B/RIC-HSL-MOD-20-UD-010 ROZELLE RAILYARDS.rvt				DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING BIM 360://WestConnex Stage 3B/RIC-HSL-MOD-20-UD-010 ROZELLE RAILYARDS.rvt		PLOT DATE / TIME 26/11/2020 9:21:59 PM		PLOT BY YURONG TAN	
REV	DATE	REVISION DESCRIPTION	APPROVAL	CO-ORDINATE SYSTEM MGA ZONE 56	SCALES ON A1 SIZE DRAWING	 Transport Roads & Maritime Services	TITLE	NAME	DATE
A1	02/10/2019	NOT ISSUED	-	HEIGHT DATUM AHD			DRAWN	YURONG TAN	27/11/2020
A	15/10/2019	NOT ISSUED	MG	DESIGN PHASE FDD			DRG CHECK	BEN CHARLTON	27/11/2020
B1	03/07/2020	ISSUED FOR INTERNAL REVIEW	MG	FINAL DESIGN DOCUMENTATION			DESIGN	ANTHONY PAPAS	27/11/2020
B	24/07/2020	ISSUED FOR SUBSTANTIAL DETAILED DESIGN	MG				DESIGN CHECK	ANTHONY PAPAS	27/11/2020
C1	10/11/2020	ISSUED FOR INTERNAL REVIEW	MG			DESIGN MNGR	MALCOLM GRAHAM	27/11/2020	
C	27/11/2020	ISSUED FOR FINAL DESIGN DOCUMENTATION	MG			PROJECT MNGR	JOSHUA SMALL	27/11/2020	




















WESTCONNEX M4 / M5 LINK, CITY WEST LINK & VICTORIA ROAD INNER WEST COUNCIL ROZELLE INTERCHANGE ROZELLE RAILYARDS - LANDSCAPE DESIGN PLANTING PLAN		<div style="border: 1px solid black; padding: 5px; text-align: center;"> A1 </div>
SHEET 4		
PACKAGE No. 20_84	JCJV DOCUMENT NAME RIC-HSL-DRG-20-UD-150-304	REV C