



**Arboricultural Impact Assessment
& Tree Protection Plan
Version 3**

**Kogarah Golf Club Redevelopment - Concept & Early Works SSDA
(SSD-84467726)**

13-19A Marsh Street,
Arncliffe NSW 2205

Inspection Date: 6-8 and 10-13 August 2025

PREPARED FOR:

Stockland Developments Pty Ltd
Level 25, 133 Castlereagh Street,
Sydney NSW 2000

Document Information

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Project Name:	Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
Reference #:	E-002381-25
Client:	Stockland Developments Pty Ltd
Site:	13-19A Marsh Street, Arncliffe NSW 2205
Prepared by:	Kane Hollstein Senior Consulting Arborist Dip. Arb., AQF Level 5 ISA TRAQ QTRA VALID IACA Accredited Member Mark McHugh Consulting Arborist Dip. Arb., AQF Level 5 ISA TRAQ QTRA VALID IACA Accredited Member Matthew Brown Consulting Arborist Dip. Arb., AQF Level 5 TRAQ QTRA VALID
Contact Details:	Canopy Consulting ☎ : 0432 633 402 ✉ : info@canopyconsulting.com.au 🏠 : Suite 183, Unit 5, 7 Eden Park Drive, Macquarie Park NSW 2113



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Review Register

Date	Reviewed By	Approved By
20 October 2025	KH	KH
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Report Assumptions and Limitations

1. Information provided by the client or third party is assumed to be accurate.
2. All information has been sourced with care and verified to the best of the consultant's knowledge. Any opinions not duly researched are based on the consultant's experience and observations.
3. The consultant is not required to give testimony or attend court unless under a contractual agreement, subject to payment of additional fees.
4. Modifying or removing any key contextual elements will invalidate the report.
5. The report does not guarantee that future problems or deficiencies associated with the site or vegetation will not arise.
6. The report addresses the items outlined in the project brief or examined during site inspection and reflects the condition of these items at the time of inspection.
7. The inspection is limited to ground-based inspection of accessible areas and does not include dissection, excavation, or probing unless specified.
8. The report is an impartial assessment of the tree(s) and its condition based on available evidence and projected outcomes.

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Abbreviations

Table of Abbreviated Terms

Abbreviation	Meaning	Abbreviation	Meaning
AIA	Arboricultural Impact Assessment Report	mm	Millimetres
AQF	Australian Qualification Framework	NDE	Non-destructive excavation
AS	Australian Standard	NRZ	Notional Root Zone
BAM	Biodiversity Assessment Method	NSW	New South Wales
BC Act	<i>Biodiversity Conservation Act 2016</i>	PCT	Plant Community Type
BCSEPP	<i>State Environmental Planning Policy (Biodiversity and Conservation) 2021</i>	PDA	Preliminary Development Assessment
cm	Centimetre	PHC	Plant Health Care
DSH	Diameter at Standard Height	SEED	Sharing and Enabling Environmental Data
DCP	Development Control Plan	SEPP	State Environment Planning Policies
DRB	Diameter at Root Buttress	sp.	Species
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>	SRZ	Structural Root Zone
EPBC Act	<i>Commonwealth of Australia's Environmental Protection & Biodiversity Conservation Act 1999</i>	STARS©	IACA Significance of a Tree, Assessment Rating System
IACA	Institute of Australian Consulting Arboriculturists	TEC	Threatened Ecological Communities
ISA	International Society of Arboriculture	TPP	Tree Protection Plan
GIS	Geographic Information System	TPS	Tree Protection Specification
GNSS	Global Navigation Satellite System	TPZ	Tree Protection Zone
LEC	Land and Environment Court of New South Wales	TRAQ	Tree Risk Assessment Qualification
LEP	Local Environment Plans	ULE	Useful Life Expectancy
m	Metres	VTA	Visual Tree Assessment

Executive Summary

This report evaluates the potential arboricultural impacts of the proposed development at 13–19A Marsh Street, Arncliffe NSW 2205, which forms part of the Concept and Early Works SSDA seeking approval for the staged redevelopment of Kogarah Golf Club.

Key Findings:

- 899 trees assessed under 840 tree tags
- 791 trees (742 tags) require removal under the current proposal
- 85 trees (75 tags) can be retained with generic protection measures
- 23 trees that require specific protection measures

Transplantation Program

The Arborist Network confirmed transplant feasibility for Trees 124, 129, 221, 242, 244 using the Allanton method with 8-10m diameter root plates. Transplant implementation requires receptor site confirmation, 12-month preparation period, specialist contractor engagement, and 5-year aftercare program.

Tree Offset Obligations

The removal of 742 trees triggers significant tree offset requirements. Offset calculations and compensatory planting strategy shall be prepared in accordance with government requirements for the detailed SSD submission.

Scope Limitations

This assessment excludes trees within the volume discharge channel corridor. A supplementary AIA addressing these additional trees will be completed for the detailed SSD submission.

Recommendations comply with *AS 4970-2025 Protection of trees on development sites* and use IACA Significance of a Tree Assessment Rating System (STARS)© for retention values. Table 1 summarises current recommendations.

Table 1: Impact Assessment Summary

Recommendation			Tree ID and Encroachment Type			
	Category	Tag/Tree QTY (Tree QTY)	Major	Moderate	Minor	Nil
Remove	Remove - project impacts	742 (791)	1-55, 57, 59-70, 72-76, 78-104, 106-123, 125-128, 130-178, 181-220, 222-241, 243, 245-306, 309, 321-323, 328-489, 495-496, 498-506, 508-575, 587-676, 678, 699-743, 745-810, 813 Tag QTY: (742) Tree QTY: (791)			
	Remove - irrespective	0 (0)				
Retain	Retain - generic	75 (85)			71, 493, 687, 696, 744, 812 Tag QTY: (6) Tree QTY: (6)	307-308, 310, 312-319, 324-326, 490, 576-586, 679-686, 688-695, 814-840 Tag QTY: (69) Tree QTY: (79)
	Retain - generic plus	23 (23)	56, 58, 77, 105, 124, 129, 179-180, 221, 242, 244, 311, 320, 327, 491-492, 494, 507, 677, 697-698, 811 Tag QTY: (22) Tree QTY: (22)	497 Tag QTY: (1) Tree QTY: (1)		
	Total	840 (899)				

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1. Introduction

This Arboricultural Impact Assessment (AIA) and Tree Protection Plan (TPP) has been prepared for Stockland Development Pty Limited ('Stockland' or 'the Applicant') to accompany a State Significant Development Application (SSDA) (SSD-84467726) for a Concept Masterplan and Early Works associated with the Kogarah Golf Club Redevelopment located on land identified as 13-19A Marsh Street, Arncliffe (the site).

The vision for the Kogarah Golf Club Redevelopment is to create a world-class precinct that leverages the site's strategic location adjacent to Sydney Airport and strong transport connections by delivering multi-level logistics development, trade-related enterprise and supporting uses with publicly accessible open space. It seeks to deliver state-of-the-art facilities that will redefine the logistics landscape in Australia, setting new benchmarks for scale, efficiency, sustainability and innovation.

The Concept & Early Works SSDA seeks consent for an overarching Concept Masterplan that establishes maximum building envelopes, Gross Floor Area (GFA), land uses, and other parameters through Urban Design Guidelines and technical reporting. It also seeks consent for the carrying out of Early Works to facilitate the initial site preparation and infrastructure works required to support future development and publicly accessible open space.

1.1. Aim

Stockland Developments Pty Ltd has engaged Canopy Consulting to investigate trees adjacent to the proposed works where they may be adversely affected by the project.

This assessment investigates trees potentially affected by the proposed works and provides:

- Tree identification and assessment within the study area
- Retention value assessment for affected trees
- Project impact evaluation
- Design and construction recommendations to minimise negative impacts, where appropriate
- Protection recommendations in accordance with *AS 4970-2025 Protection of trees on development sites*.

1.2. Background

A Planning Proposal (PP-2022-1748) was previously submitted by John Boyd Properties for the site to amend and integrate planning controls into the Bayside Local Environmental Plan 2021 (Bayside LEP 2021). It sought to deliver refreshed planning controls that prioritise land uses which support the adjacent Sydney Airport, as one of Australia's most important trade gateways.

The Planning Proposal was granted Gateway Determination on 5 August 2022 and publicly exhibited between 24 April 2023 and 6 June 2023. It was determined to proceed to finalisation in March 2024, with the amendments to the Bayside LEP 2021 gazetted on 9 May 2025.

Following gazettal, John Boyd Properties has entered a Joint Venture (JV) with Stockland for the Kogarah Golf Club Redevelopment. The JV will enable the effective development and future management of the strategically significant site for a world-class focused precinct by combining their expertise.

The amendments to the Bayside LEP 2021 are described as follows:

- Application of land uses, including:
 - SP4 Enterprise zone to form a development zone;
 - RE1 Public Recreation zone to facilitate the future Pemulwuy Park and overland flow areas;
 - C2 Environmental Conservation zone to enable the protection and conservation of land, including a foreshore zone; and
 - SP2 Infrastructure zone for land associated with the Marsh Street roadway and permanent M6/M8 Motorway Operation Facilities.
- An overall maximum building height of RL 51m (Lot 100 DP 1231954) graduating down to RL 40m in response to aviation controls in the south, and a maximum building height of 24m (Lot 31 DP 1231486);
- A total GFA of 343,250m², applied through:
 - Lot 31 DP 1231486 – A maximum FSR of 1.25:1 (3,250m²);
 - Lot 100 DP 1231954 – A total floorspace that does not exceed 340,000m² of GFA, inclusive of:
 - A maximum 20,000m² GFA for 'office premises';
 - A maximum 20,000m² GFA for 'hotel or motel accommodation' and 'serviced apartments'; and
 - A maximum 10,000m² GFA for 'shops' and 'food and drink premises'.
- Application of additional permitted uses including 'Trade-related enterprises' (Lot 100 DP 1231954) and 'Advertising structures' (Lot 31 DP 1231486).

The Land Zoning Map associated with the Planning Proposal is presented in Figure 1 below.

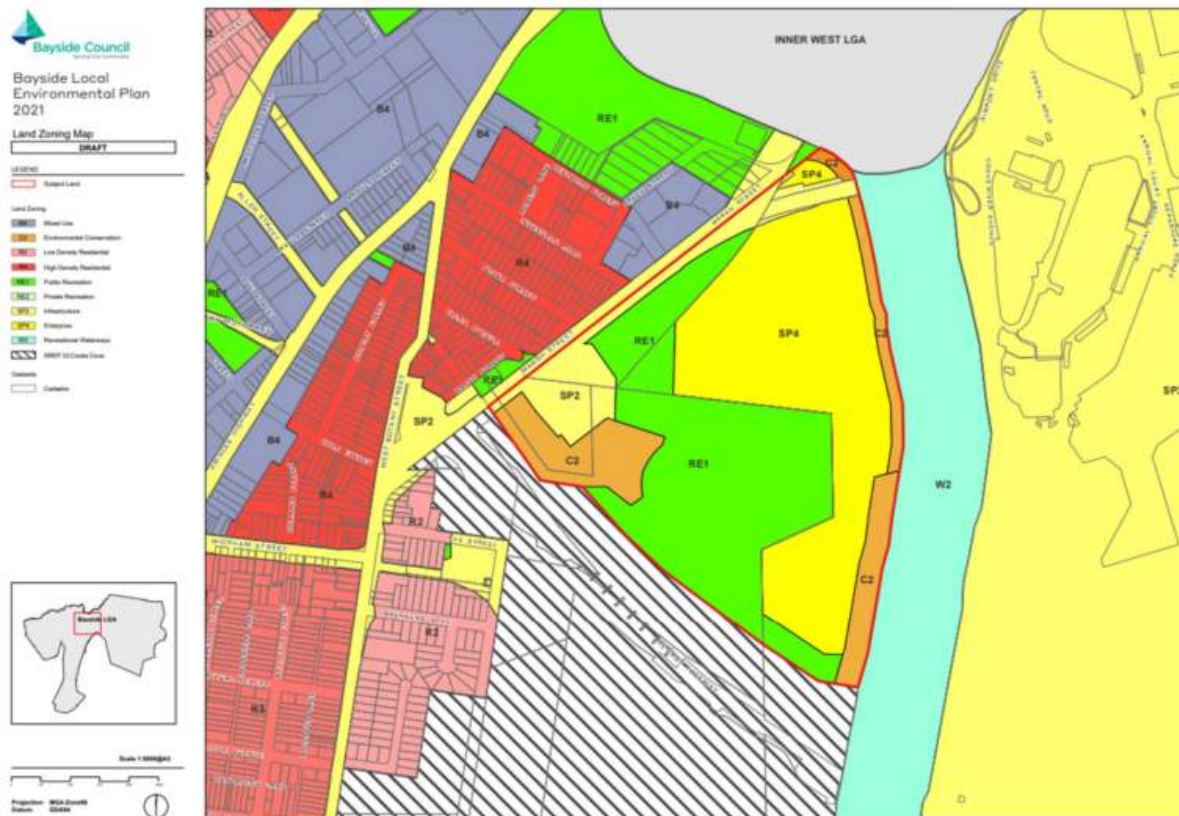


Figure 1: Land Zoning Map - Planning Proposal [PP-2022-1748] (Courtesy of Ethos Urban)

1.3. Site Description

The site is identified as 13-19A Marsh Street, Arncliffe within the Bayside Local Government Area (LGA). It is situated to the immediate west of the Cooks River and Sydney Airport, located approximately 6km west of Port Botany and 10km south of the Sydney Central Business District (CBD). It includes frontages to Marsh Street, providing direct access to the M5 Motorway, Sydney Airport and St Peters Interchange (via the Sydney Gateway).

The site comprises land associated with nine (9) allotments and a total area of approximately 32 hectares. The existing uses include the previous Kogarah Golf Club (vacated in March 2025) accessed via Levey Street and the temporary M6 Stage 1 construction compound accessed directly from Marsh Street.

The development area represents Lot 31 DP1231486 and Lot 100 DP1231954, excluding land subject to future dedication to Bayside Council. It comprises an area of approximately 16.7 hectares and is zoned SP4 Enterprise and C2 Environmental Conservation under the Bayside LEP 2021.

The site is described in Table 2, with the extent of the site and development area depicted in Figure 2.

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Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
13-19A Marsh Street, Arncliffe NSW 2205

Table 2: Site Allotments

Lot / DP	Address	Ownership
Lot 31 DP1231486	19 Marsh Street, Arncliffe	Cook Cove Nominees No 1 Pty Ltd as trustee of Cook Cove Property Trust 1
Lot 100 DP1231954	19A Marsh Street, Arncliffe	Cook Cove Nominees No 2 Pty Ltd as trustee of Cook Cove Property Trust 2
Lot 60 DP1301057	13 Marsh Street, Arncliffe	Bayside Council
Lot 61 DP1301057	19 Marsh Street, Arncliffe	
Lot 62 DP1301057	Marsh Street, Arncliffe	Transport for NSW
Lot 63 DP1301057	Marsh Street, Arncliffe	
Lot 12 DP570900	Marsh Street, Arncliffe	
Lot 102 DP1231954	Marsh Street, Arncliffe	
Lot 103 DP1231954	Marsh Street, Arncliffe	



Figure 2: Site Aerial Map (Courtesy of Colliers Urban Planning)

1.4. Reviewed Plans and Documents

Table 3: Reviewed Plans and Documents

Title	Author	Dwg. No.	Revision	Date
Kogarah Golf Club Redevelopment –Reference Schemes 13-19A Marsh Street, Arncliffe Concept and Early Works SSDA (SSD-84467726)	Grimshaw	A01 1001 - A21-SC4 2004	P01-P10	05/12/2025
STATE SIGNIFICANT DEVELOPMENT APPLICATION KOGARAH GOLF CLUB REDEVELOPMENT MARSH STREET ARNCLIFFE, NSW 2 (Civil Package)	Costin Roe Consulting	CO9919.06-SSDA 100 - CO9919.06-SSDA 952	A-E	15/12/2025
Transplant feasibility assessment, and Transplant method and contingency plan	Arborist Network	CD2722	A	October 2025

1.5. Development/Project Description

The Concept & Early Works SSDA seeks consent for the following:

- Concept Masterplan to support the staged delivery of the Kogarah Golf Club Redevelopment, including:
 - Maximum building envelopes, including maximum building heights and minimum building setbacks;
 - Maximum Gross Floor Area (GFA) up to 343,250m², comprising:
 - 3,250m² of GFA (FSR of 1.25:1) on Lot 31 DP1231486; and
 - 340,000m² of GFA on Lot 100 DP1231954.
 - Conceptual primary land uses, including:
 - Block 1 – Mixed-use and advertising structures;
 - Block 2 – Logistics and mixed-use;
 - Block 3A – Logistics;
 - Block 3B – Logistics; and
 - Block 3C – Logistics and data centre.
 - Urban Design Guidelines to guide future development of the built form and public domain; and
 - Strategies and mitigation measures to manage potential environmental impacts.
- Early Works to support the future delivery of built form and publicly accessible open space, including:
 - Site preparation works, comprising:
 - Demolition of existing structures;

- Clearing of existing vegetation;
- Remediation works; and
- Bulk earthworks, including ground improvement, flood mitigation and foreshore works.
- Site servicing and infrastructure works, including:
 - Construction of the Flora Street East extension consistent with Item 3 of the executed Voluntary Planning Agreement with Bayside Council;
 - Construction of stormwater infrastructure; and
 - Construction and augmentation of service and utility infrastructure as necessary.

For a detailed description, refer to the Environmental Impact Statement prepared by Colliers Urban Planning.

1.6. Legislative Context

The Commonwealth of Australia's *Environmental Protection & Biodiversity Conservation Act 1999* (EPBC Act) manages nationally significant ecological communities and heritage items. The EPBC Act delegates to the NSW *Biodiversity Conservation Act 2016* (BC Act) for state and local management of ecological and heritage matters. The BC Act, which repealed the NSW *Threatened Species Conservation Act 1995*, may require Species Impact Statement and Biodiversity Banking and Offset Scheme agreements determined by the Biodiversity Assessment Method (BAM)

In NSW, the *Environmental Planning and Assessment Act 1979* (EP&A Act) regulates significant development and infrastructure through Environmental Planning Instruments (EPI), including State Environment Planning Policies (SEPP) for matters of state or regional significance and Local Environmental Plans (LEP) and Development Control Plans (DCP) for land usage guidance for local Councils.

1.7. Planning & Tree Management Controls

Table 4: Applicable Planning & Tree Management Controls

Local Environment Plan	Bayside Local Environmental Plan 2021 (BLEP)
Development Control Plan	Bayside Development Control Plan 2022 (BDCP)
Tree Management Controls	Prescribed trees within the Bayside Council are protected under Part 3.8 of the BDCP made pursuant to Chapter 2 of the State Environmental Planning Policy (Biodiversity and Conservation) 2021 (the BCSEPP). The BDCP does not specifically define a 'tree.' However, the Bayside website provides minimum requirements for when a permit is not required to prune or remove a tree: • no higher than 3m and has a girth of no more than 300mm at a height of 1m above the ground • a weed listed on the NSW Government's WeedWise website • a fruit tree.
Exemptions	N/A

1.8. Additional Legislative Protections

The following government planning overlays have been reviewed (SEED - NSW Government, 2025). Table 5 indicates the presence of the items on site.

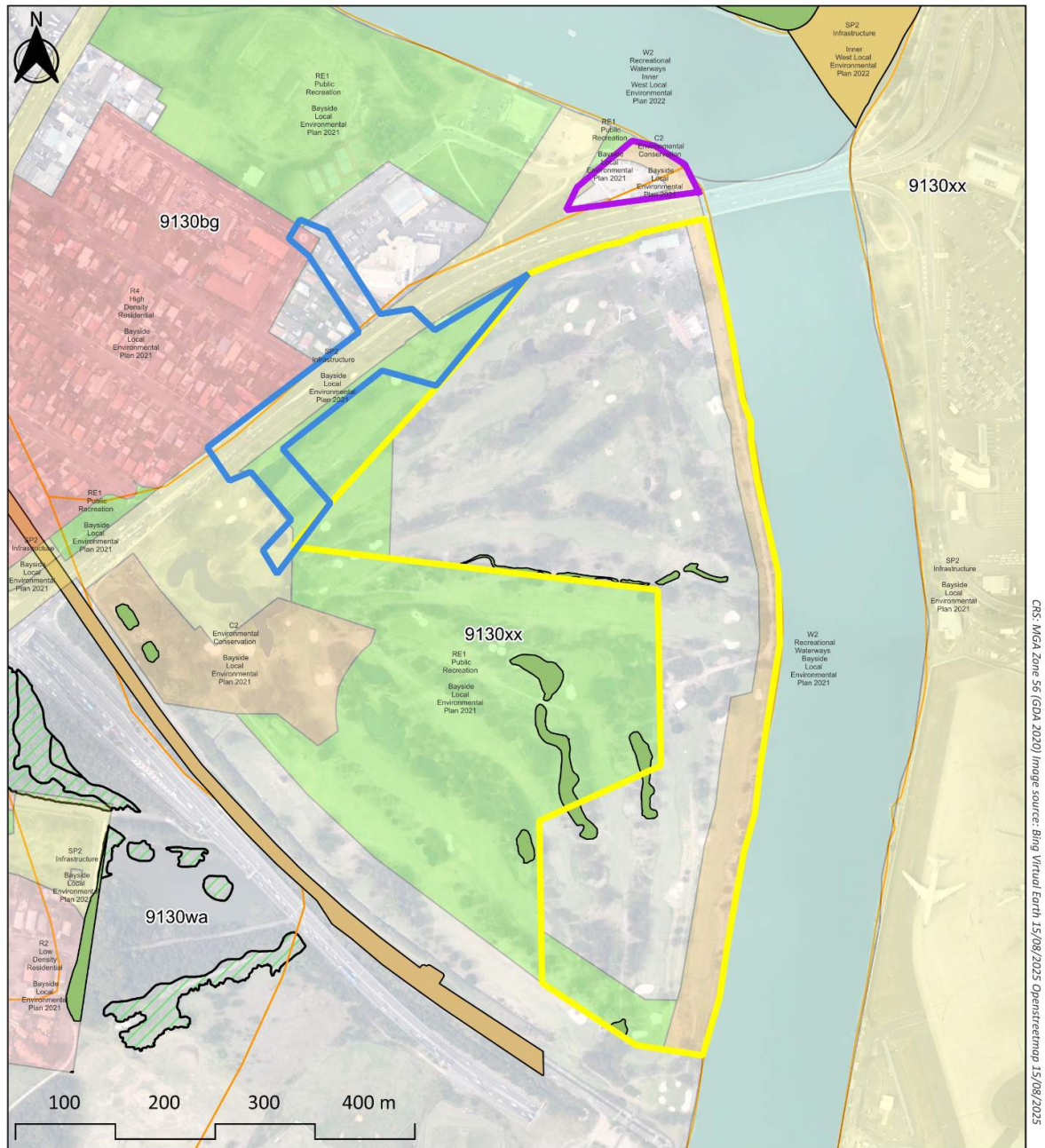
Table 5: Mapping Overlays

NSW OEH	Present on Site	Relevance
Threatened Ecological Communities (TEC) Greater Sydney	☐	Not present on site. No relevance.
State Heritage Register	☐	Not present on site. No relevance
Biodiversity Values	☐	Not present on site. No relevance
DCP/LEP		
Heritage	☐	Not present on site. No relevance
Terrestrial Biodiversity	☒	Present on site - primarily within existing water bodies. Per the BLEP (section 6.4(4)), development cannot be approved unless: - It is designed, located, and managed to avoid environmental harm - If harm cannot be fully avoided, the development must either: - Be designed, located, and managed to minimise harm, or - Include measures to offset any loss of biodiversity.
Environmentally Sensitive Land	☐	Not present on site. No relevance
Other		
10/50 Vegetation Clearing Scheme	☐	Not present on site. No relevance

Figure 2 shows the site within the local area and associated planning overlays.

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Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
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Legend

Site Location

- External Works Boundary
- Main site
- North Marsh Street

Land Zoning

- C2
- R2
- R4
- RE1
- SP2
- W2

- State Heritage Register Curtilage
- Terrestrial Biodiversity
- TEC
- Heritage Item - General

Figure 4: Project site locations and legislation overlays.

2. Scope

The SSDA comprises two distinct components, the Concept Masterplan and the Early Works, each requiring arboricultural consideration at different levels of detail.

2.1. Concept Masterplan

The Concept Masterplan provides the development framework for the site, including proposed building envelopes, gross floor area, land uses, and infrastructure layout. This assessment considers the maximum potential extent of development, adopting a worst-case scenario approach to identify and evaluate possible arboricultural impacts across the site.

At this preliminary stage, the assessment focuses on identifying arboricultural constraints and tree retention opportunities while providing design guidance to ensure that future development can occur while protecting trees following the recommendations of *AS 4970–2025 Protection of trees on development sites*.

As part of the Concept Masterplan scope, this assessment provides:

- A description of the existing tree population and its condition across the site
- Identification of trees potentially affected by the proposed development envelopes and corridors
- A preliminary impact assessment of trees within the project boundaries
- Recommendations for tree retention and removal along with both generic and site-specific tree protection measures.

2.2. Early Works

The Early Works component includes the construction and site preparation works, such as demolition, bulk earthworks and ground improvement, infrastructure installation, and temporary construction offices and amenities.

The assessment of Early Works evaluates the health, structure, and condition of all trees within and adjacent to the proposed works footprint and provides detailed recommendations to ensure recommendations follow the guidelines of *AS 4970–2025 Protection of trees on development sites*.

As part of the Early Works scope, this assessment provides:

- Detailed impact assessment for trees within or adjacent to the development footprint
- Recommendations for tree retention and protection
- Evaluation of removal and replacement options where tree retention is not feasible.

2.3. Volume Discharge Channel

The assessment area has been expanded to include the Volume Discharge Channel corridor, consisting of both the Expansion and Extension zones as shown in Appendix C - Proposed Discharge

Channel Expansion Area. While this area was previously a scope limitation, it will be surveyed and documented for subsequent submissions and future stormwater infrastructure works.

3. Method

3.1. Data Collection

To record the above-ground health and condition of each tree, a Visual Tree Assessment (VTA), adapted from (Lonsdale, 2013), was undertaken from ground level on 6-8 and 10-13 August 2025 by Kane Hollstein, Mark McHugh and Mathew Brown.

This involved an inspection of

- Tree health and structural integrity
- Site conditions and constraints
- Amenity and heritage value
- Environmental significance
- Habitat characteristics

All diameter measurements were obtained using a diameter tape or forestry callipers. Height and canopy spread values were estimated by experienced arborists. Offset measurements were taken with a calibrated tape measure.

Data collection utilised GIS software linked to a GNSS receiver, providing 1-2cm accuracy under optimal conditions. Tree locations were verified using the following protocol:

- Locations were corrected to the survey plan where available
- GPS coordinates were used for trees absent from the survey
- Location accuracy is estimated at $\pm 1\text{m}$ due to canopy interference and GPS limitations

Impact assessments were conducted using georeferenced proposed plans overlaid with survey data in GIS software. Minor discrepancies may exist between surveyed boundaries and NSW cadastre data.

3.2. Useful Life Expectancy

The assessment of remaining Useful Life Expectancy (ULE) employs a modified version of the TreeAZ SULE method (Barrell, 2009). Detailed criteria for each category classification are provided in Appendix A.

3.3. Retention Value

Tree significance ratings and retention values were determined using the IACA Significance of a Tree Assessment Rating System (STARS)© (IACA, 2010). This system evaluates landscape significance and estimated Useful Life Expectancy using established assessment criteria and the retention value priority matrix. Complete assessment parameters are detailed in Appendix A.

3.4. Notional Root Zone, Structural Root Zone and Tree Protection Zone

The Notional Root Zone (NRZ) and Structural Root Zone (SRZ) calculations follow Australian Standard 4970-2025: *Protection of Trees on Development Sites* and are expressed in radial measurements in metres.

The NRZ is a primary trigger for arboricultural input on a development site, which is calculated as:

$$\text{NRZ radius} = \text{DSH} \times 12$$

The SRZ represents the area required for tree stability, calculated as:

$$\text{SRZ radius} = (\text{DRB} \times 50)^{0.42} \times 0.64$$

The Tree Protection Zone (TPZ) is then determined based on the NRZ and other considerations (Clause 3.3.2 of AS4970-2025). The TPZ is the specified zone above and below ground set aside for protection during construction.

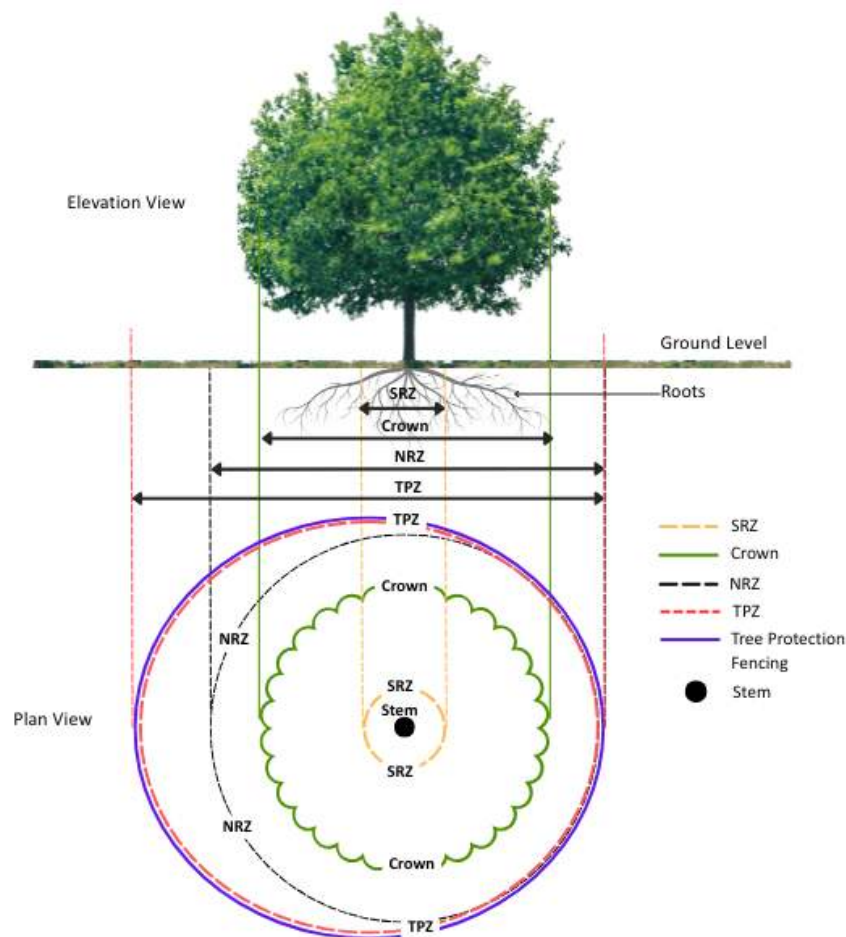


Figure 5: Indicative Notional Root Zone, Crown Spread and Structural Root Zone (Standards Australia, 2025)

4. Observations

4.1. Site Soils

The site is located on the Disturbed Terrain soil landscape which is described as 'level plain to hummocky terrain, extensively disturbed by human activity, including complete disturbance, removal or burial of soil. Local relief <10 m, slopes <30%. Landfill includes soil, rock, building and waste materials. Original vegetation completely cleared, replaced with turf or grassland.' (Department of Planning, Industry and Environment, 2020)

Soils of the Disturbed Terrain landscape are characterised by 'turfed fill areas commonly capped with up to 40 cm of sandy loam or up to 60 cm of compacted clay over fill or waste materials.' (Department of Planning, Industry and Environment, 2020)

Vegetation of this soil landscape is described as 'This unit has been completely cleared. Disturbed terrain may be bare or covered with opportunist weeds such as cobbler's peg *Bidens pilosa*, purple top *Verbena bonariensis* and ribwort *Plantago lanceolata*. Most areas are eventually turned to grassland or lawn. Species typically include kikuyu *Pennisetum clandestinum*, couch *Cynodon dactylon* and paspalum *Paspalum dilatatum*.' (Department of Planning, Industry and Environment, 2020)

4.2. Summary of Tree Observations

Complete tree attributes and observations can be found in Appendix B - Tree Assessment Schedule. Photos and a subset of data can be accessed with [this link](#).

The site is predominantly composed of tree species indigenous to the local landscape and Australian natives, with the canopy dominated by *Melaleuca quinquenervia*, *Casuarina glauca*, and *Lagunaria patersonia*. These species demonstrate high adaptability to the site's sandy soils and tolerate periodic inundation observed during the assessment period.

A detailed analysis of the tree population can be found in the Preliminary Arboricultural Report (PAR) (E-002381-25) prepared by Canopy Consulting.

Table 6 summarises the trees' legislated protection status under the BDCP. This assessment considers the size of the tree or exemption due to their species.

Table 6: Tree Legislated Protection Status

DCP Status	Tag/Tree QTY (Tree QTY)	Tree Numbers
Protected	846 (905)	All other trees
Exempt	14 (14)	2, 21, 471, 545, 551, 558, 560, 570, 576, 609, 647, 791, 853, 855
N/A	0 (0)	
Total	860 (919)	

4.3. Retention Value

Determined using the Retention Value - Priority Matrix of the *IACA Significance of a Tree, Assessment Rating System* (STARS) © (IACA, 2010), which is a matrix assessment of landscape significance and estimated ULE. Tree retention values are summarised in Table 7.

Table 7: Retention Value

Retention Value	Tag/Tree QTY (Tree QTY)	Tree Numbers
High - Priority for Retention	157 (157)	4, 7, 8, 9, 10, 13, 14, 15, 17, 20, 24, 113, 116, 117, 118, 119, 120, 123, 124, 125, 126, 129, 136, 140, 142, 145, 149, 150, 153, 154, 156, 161, 166, 169, 170, 171, 173, 176, 178, 183, 184, 197, 198, 200, 206, 211, 215, 217, 221, 242, 244, 245, 260, 261, 275, 282, 284, 285, 286, 287, 292, 294, 295, 296, 299, 301, 305, 330, 331, 332, 337, 338, 342, 357, 363, 364, 365, 366, 367, 370, 375, 376, 378, 381, 382, 383, 384, 412, 414, 421, 427, 447, 448, 463, 465, 478, 480, 481, 482, 484, 486, 498, 511, 522, 544, 545, 548, 569, 582, 583, 585, 586, 589, 590, 593, 597, 600, 604, 611, 612, 613, 615, 616, 620, 622, 623, 625, 633, 643, 644, 645, 657, 658, 661, 663, 665, 672, 679, 682, 686, 687, 691, 692, 693, 696, 746, 747, 760, 761, 766, 775, 776, 780, 782, 787, 813, 849
Medium - Consider for Retention	388 (418)	1, 3, 5, 11, 12, 18, 19, 23, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 47, 48, 52, 53, 55, 57, 59, 61, 62, 64, 68, 69, 71, 72, 73, 76, 77, 78, 79, 81, 82, 84, 86, 87, 88, 92, 93, 94, 95, 96, 98, 101, 102, 103, 104, 121, 122, 127, 128, 132, 133, 135, 137, 138, 139, 143, 144, 146, 147, 148, 152, 157, 159, 160, 163, 164, 165, 167, 174, 177, 179, 180, 181, 182, 188, 189, 190, 191, 194, 196, 199, 201, 203, 204, 205, 207, 208, 209, 210, 212, 213, 214, 216, 236, 237, 247, 248, 249, 250, 251, 252, 253, 256, 257, 258, 259, 262, 263, 264, 266, 267, 268, 269, 270, 271, 272, 273, 274, 276, 277, 278, 279, 280, 281, 288, 289, 290, 291, 297, 298, 300, 304, 306, 307, 310, 313, 315, 316, 317, 319, 324, 325, 328, 334, 335, 339, 340, 345, 346, 348, 349, 350, 351, 352, 354, 355, 356, 358, 359, 360, 361, 362, 368, 369, 371, 372, 373, 377, 380, 387, 388, 389, 390, 392, 393, 395, 397, 398,

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Retention Value	Tag/Tree QTY (Tree QTY)	Tree Numbers
		399, 400, 401, 402, 404, 405, 406, 409, 410, 411, 413, 415, 417, 418, 420, 424, 426, 429, 434, 437, 456, 483, 485, 491, 493, 494, 497, 500, 501, 502, 503, 505, 506, 507, 510, 513, 514, 515, 516, 517, 518, 520, 521, 524, 525, 527, 528, 529, 530, 532, 533, 540, 541, 547, 552, 558, 561, 563, 564, 565, 566, 567, 568, 573, 574, 578, 579, 581, 587, 591, 592, 595, 596, 598, 599, 601, 602, 603, 606, 609, 614, 621, 624, 637, 639, 640, 641, 646, 648, 649, 650, 651, 652, 653, 654, 655, 660, 667, 668, 669, 670, 673, 675, 676, 681, 683, 684, 685, 689, 690, 695, 697, 698, 699, 700, 701, 703, 704, 709, 710, 711, 712, 713, 716, 717, 718, 719, 720, 721, 723, 726, 728, 729, 730, 731, 732, 733, 734, 739, 740, 743, 744, 745, 748, 750, 754, 755, 757, 758, 759, 762, 763, 764, 765, 767, 768, 769, 771, 773, 774, 777, 779, 781, 783, 784, 790, 792, 793, 795, 797, 798, 799, 800, 801, 802, 805, 806, 807, 808, 809, 811, 812, 814, 815, 816, 817, 821, 823, 828, 830, 831, 833, 834, 836, 837, 857
Low - Consider for Removal	255 (279)	6, 16, 25, 26, 27, 45, 46, 49, 50, 51, 60, 63, 65, 66, 67, 70, 74, 75, 80, 83, 85, 89, 90, 91, 99, 105, 106, 107, 108, 109, 110, 111, 112, 114, 130, 131, 134, 141, 151, 155, 158, 162, 168, 172, 175, 185, 186, 187, 192, 193, 195, 202, 218, 219, 220, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 238, 239, 240, 241, 243, 246, 254, 255, 265, 283, 293, 302, 303, 308, 309, 312, 314, 318, 320, 321, 322, 323, 326, 327, 329, 336, 341, 343, 344, 347, 353, 374, 379, 385, 391, 394, 396, 403, 407, 408, 416, 419, 422, 423, 425, 428, 430, 431, 432, 433, 435, 436, 438, 439, 440, 441, 442, 443, 444, 445, 446, 450, 451, 452, 454, 455, 458, 460, 461, 462, 464, 466, 467, 468, 470, 472, 476, 477, 479, 488, 492, 496, 508, 519, 523, 526, 534, 535, 536, 537, 538, 539, 542, 543, 546, 549, 550, 551, 555, 560, 562, 571, 572, 575, 577, 580, 584, 588, 594, 608, 618, 629, 630, 631, 632, 634, 635, 636, 642, 656, 659, 662, 664, 666, 671, 677, 678, 680, 688, 702, 705, 706, 707, 708, 714, 715, 722, 724, 725, 727, 735, 736, 737, 738, 741, 742, 749, 751, 753, 756, 770, 772, 778, 786, 788, 789, 794, 796, 803, 804, 818, 819, 822, 824, 825, 826, 827, 829, 832, 835, 838, 839, 840, 845, 846, 847, 848, 850, 851, 852, 854, 855, 856, 858, 859, 860
Priority for Removal	60 (65)	2, 21, 22, 32, 54, 56, 58, 97, 100, 115, 311, 333, 386, 449, 453, 457, 459, 469, 471, 473, 474, 475, 487, 489, 490, 495, 499, 504, 509, 512, 531, 553, 554, 556, 557, 559, 570, 576, 605, 607, 610, 617, 619, 626, 627, 628, 638, 647, 674, 694, 752, 785, 791, 810, 820, 841, 842, 843, 844, 853
Total	860 (919)	

Table 8: Retention Value Descriptions

Retention Value	Description and Relevance
High - Priority for Retention	These trees are considered important for retention and should be retained and protected. Design modification or re-location of buildings should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4970-2009 <i>Protection of trees on development sites</i> . Tree-sensitive construction must be implemented, e.g. pier and beam, etc, if works are to proceed within the Tree Protection Zone.
Medium - Consider for Retention	These trees may be retained and protected. These are considered less critical; however, their retention should remain a priority, with removal only if adversely affecting the proposed building/works and all other alternatives have been exhausted.
Low - Consider for Removal	These trees are not important for retention, nor require special works or design modifications to be implemented for their retention.
Priority for Removal	These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.

5. Impact Assessment

5.1. Impact Assessment Considerations

The NRZ represents a theoretical area around the base of a tree where the majority of roots capable of sustaining the tree are located on a development site. Activities within this zone require careful management, as works such as excavation, ground-level modifications, temporary and permanent infrastructure, trenching or soil profile inversion may compromise the root system or alter essential growing conditions.

The SRZ forms the critical area required for tree stability, encompassing structural woody roots and soil cohesion necessary for anchoring the tree. While some carefully managed activities may occur within this zone, any significant disturbance risks compromising tree stability. Construction methods such as pier and beam foundations or hand-excavated service installations may be permissible when properly implemented.

The TPZ is the designated area for the protection of roots and crown, where these might be damaged by development. The TPZ provides the physical boundary for protection measures, including fencing and access restrictions, and is formulated after the impacts have been assessed in consideration of Clause 3.3.2 of AS 4970-2025.

5.2. Encroachments into the Notional Root Zone

Encroachments into the NRZ are categorised into three levels based on the percentage of NRZ area affected:

Minor encroachment ($\leq 10\%$ of NRZ area): Generally considered minor provided it is outside the SRZ and no recent NRZ encroachments have taken place. It is unlikely that there will be a significant impact on tree health, longevity or structure. Tree protection should be implemented during site works, and to avoid a net loss of soil area and volume, an area equivalent to the encroachment shall be incorporated into the TPZ, unless the project arborist otherwise demonstrates that the tree will remain viable.

Moderate encroachment ($>10\%$ and $\leq 20\%$ of NRZ area): Requires the engagement of a project arborist to review the proposed impacts and demonstrate how the tree will remain viable. This may require additional investigations to address the factors listed in Clause 3.3.2 or be achieved through the implementation of suitable design measures and construction controls to mitigate impacts during the development process as part of a Tree Protection Specification (TPS) and Tree Protection Plan (TPP). To avoid a net loss of soil area and volume, an area equivalent to the encroachment shall be incorporated into the TPZ, unless the project arborist otherwise demonstrates that the tree will remain viable.

Major encroachment ($>20\%$ of NRZ area): A project arborist shall be engaged to explore alternative designs with the design team and/or demonstrate that the tree will remain viable. For assessment of major encroachment, a more detailed investigation is necessary. This may include root or soil

investigations, review of historical records related to the tree or site, or research into relevant literature and examples of similar microclimates. A TPS and TPP should be prepared to support the retention of the tree. To avoid a net loss of soil area and volume, an area equivalent to the encroachment shall be incorporated into the TPZ, unless the project arborist otherwise demonstrates that the tree will remain viable.

These measures are only required if a tree is to be retained and must be considered in the impact assessment.

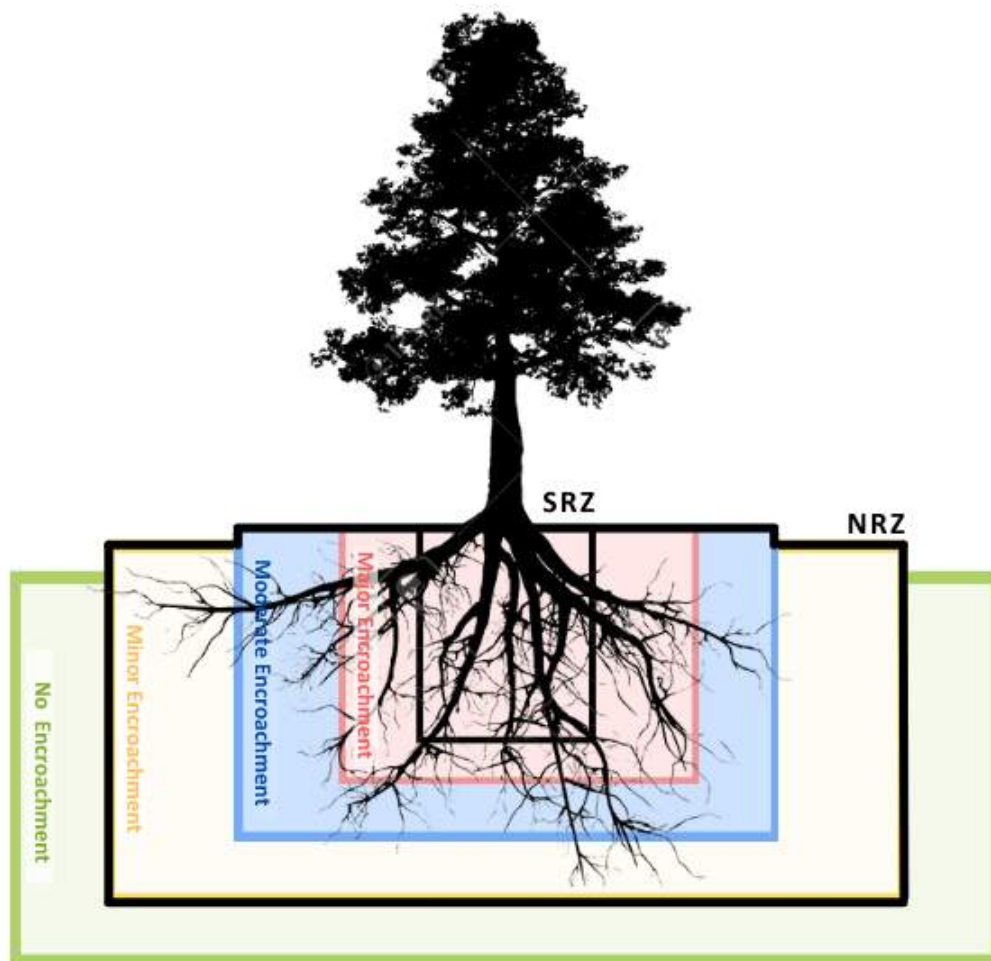


Figure 6: Indicative zones of NRZ and SRZ encroachment.

5.3. Impact Assessment Summary

The following criteria have been considered to determine the impact on site trees that may occur due to the proposed development, where this information has been provided:

- Existing ground levels and topographical survey data
- Footprint of proposed development, temporary infrastructure, and material storage areas
- Encroachments into root zones, including cut, fill, excavation and construction activities

- Crown protection requirements and potential conflicts with buildings or temporary structures
- Existing site conditions, soil characteristics, drainage and root distribution patterns
- Service installation requirements and corridor planning
- Construction methodology and access requirements

The impacts of the proposed development are summarised in Table 9¹.

Recommendation			Tree ID and Encroachment Type			
	Category	Tag/Tree QTY (Tree QTY)	Major	Moderate	Minor	Nil
Remove	Remove - project impacts	742 (791)	1-55, 57, 59-70, 72-76, 78-104, 106-123, 125-128, 130-178, 181-220, 222-241, 243, 245-306, 309, 321-323, 328-489, 495-496, 498-506, 508-575, 587-676, 678, 699-743, 745-810, 813 Tag QTY: (742) Tree QTY: (791)			
	Remove - irrespective	0 (0)				

¹ No tree protection measures may be recommended as the tree(s) are outside the expected area of construction.

Generic tree protection measures include tree protection fencing, trunk and/or branch protection and restriction of activities within the TPZ.

Generic plus protection measures include generic tree protection measures plus supervision of works within the TPZ and may include, in combination:

- The use of root sensitive construction techniques
- Design revision
- Routing services outside the TPZ
- Root mapping

Recommendation			Tree ID and Encroachment Type			
	Category	Tag/Tree QTY (Tree QTY)	Major	Moderate	Minor	Nil
Retain	Retain - generic	75 (85)			71, 493, 687, 696, 744, 812 Tag QTY: (6) Tree QTY: (6)	307–308, 310, 312–319, 324–326, 490, 576–586, 679–686, 688–695, 814–840 Tag QTY: (69) Tree QTY: (79)
	Retain - generic plus	23 (23)	56, 58, 77, 105, 124, 129, 179–180, 221, 242, 244, 311, 320, 327, 491–492, 494, 507, 677, 697–698, 811 Tag QTY: (22) Tree QTY: (22)	497 Tag QTY: (1) Tree QTY: (1)		
	Total	840 (899)				

5.3.1. Overview of Development Impacts

The proposed Kogarah Golf Club Redevelopment will result in substantial arboricultural impacts across the 32.5-hectare site. The impact assessment has evaluated 840 tree tags representing 899 individual trees against the proposed Early Works footprint, including bulk earthworks, road and built form infrastructure, stormwater systems, and foreshore landscape works.

Scope Limitation - Volume Discharge Channel: This impact assessment excludes trees located within the corridor of the proposed volume discharge channel. These trees were outside the original scope of this report. A comprehensive assessment of all trees within the volume discharge channel corridor will be included in the detailed Development Application submission.

Of the 840 tree tags assessed (899 individual trees), the following impacts have been identified:

Trees Recommended for Removal (742 tags / 791 trees)

The substantial majority of trees on site cannot be viably retained under the current development design. These trees will experience major NRZ encroachments (typically 50-100% of the NRZ area) from multiple simultaneous construction activities which include:

- **Bulk Earthworks:** The most extensive impact source, with cut and fill operations affecting nearly all trees in the development footprint. Bulk earthworks typically account for 60-100% NRZ encroachment for affected trees.
- **Road and Built Form Infrastructure:** Proposed internal road networks, building footprints, and associated hardstand areas result in 40-100% NRZ encroachment for trees within the development envelope.
- **Stormwater Infrastructure:** Underground drainage systems, detention basins, and associated pipework affect 10-40% of the NRZ for trees in proximity to these systems.
- **Foreshore Landscape Works:** Foreshore protection and riparian zone works impact trees along the Cooks River frontage.

Nature of Impacts: Trees recommended for removal will be subject to multiple critical or high-impact activities occurring simultaneously or in sequence within their NRZ and SRZ. These cumulative impacts include:

1. Root severance and damage from excavation and trenching operations
2. Soil profile changes through cut and fill operations, fundamentally altering moisture, nutrient, and oxygen availability
3. Soil compaction from heavy machinery trafficking and material stockpiling
4. Root zone inundation from altered drainage patterns and stormwater infrastructure
5. Crown and stem damage from machinery operations

The combination and intensity of these impacts mean that affected trees cannot remain viable post-construction, even with the implementation of advanced tree-sensitive construction methodologies. Tree stability would be severely compromised, and post-construction longevity would be significantly reduced, presenting unacceptable safety risks and poor amenity outcomes.

Trees Recommended for Retention with Generic Protection (75 tags / 85 trees)

A limited number of trees located at the periphery of the development footprint can be retained with standard tree protection measures. These trees experience either:

Nil Encroachment (69 tags / 79 trees): Trees completely outside the development footprint with no NRZ encroachment.

Protection requirements are limited to TPZ fencing installation to prevent inadvertent damage during construction.

Minor Encroachment (6 tags / 6 trees): Trees experiencing $\leq 10\%$ NRZ encroachment outside the SRZ (trees 71, 493, 687, 696, 744, 812). Minor encroachments typically result from:

- Edge of bulk earthworks operations
- Road construction at the periphery of the NRZ

- Minor drainage works

These trees require generic protection measures including:

1. TPZ fencing installed at the NRZ radius (or as modified by site constraints)
2. Exclusion of all construction activities from within the TPZ
3. Project Arborist inspection and sign-off prior to works commencing
4. Regular compliance monitoring throughout construction

Trees Recommended for Retention with Specific Protection Measures (23 tags / 23 trees)

A small cohort of trees experiencing moderate to major NRZ encroachment may be retained subject to the implementation of specific tree-sensitive construction methodologies and design modifications. This cohort includes both trees that can be retained in-situ with advanced protection measures and trees requiring transplantation.

Trees Requiring Transplantation (5 tags / 5 trees):

Trees 124, 129, 221, 242, and 244 are *Ficus macrophylla* (Moreton Bay Fig) specimens located in the former golf club entry area subject to complete redevelopment. These trees experience major NRZ encroachment (100%) from bulk earthworks and infrastructure that precludes in-situ retention. The Arborist Network (Mark Hartley, Report CD2722, September 2025) confirmed transplant feasibility for these five specimens using the Allanton method with root plates of 8m x 8m x 1m to 10m x 10m x 1m.

Transplant requirements include:

- Root plate dimensions: 8-10m diameter x 1m depth depending on tree size
- Specialist Arborlift™ pneumatic roller system required
- Receptor sites within development footprint to be confirmed
- 12-month pre-transplant preparation period recommended
- 5-year aftercare and monitoring program essential

Other *Ficus macrophylla* specimens in this area have not been assessed as feasible for transplantation due to poor form, structural defects, or site access constraints and will require removal.

Trees for Retention In-Situ with Specific Protection (18 tags / 18 trees):

Trees 56, 58, 77, 105, 179-180, 311, 320, 327, 491-492, 494, 497, 507, 677, 697-698, 811

These trees experience 15-35% NRZ encroachment, primarily from bulk earthworks along the periphery of their root zones. However, impacts are derived from a single source (typically bulk earthworks) rather than cumulative multiple activities. Retention is feasible through:

Arboricultural Impact Assessment

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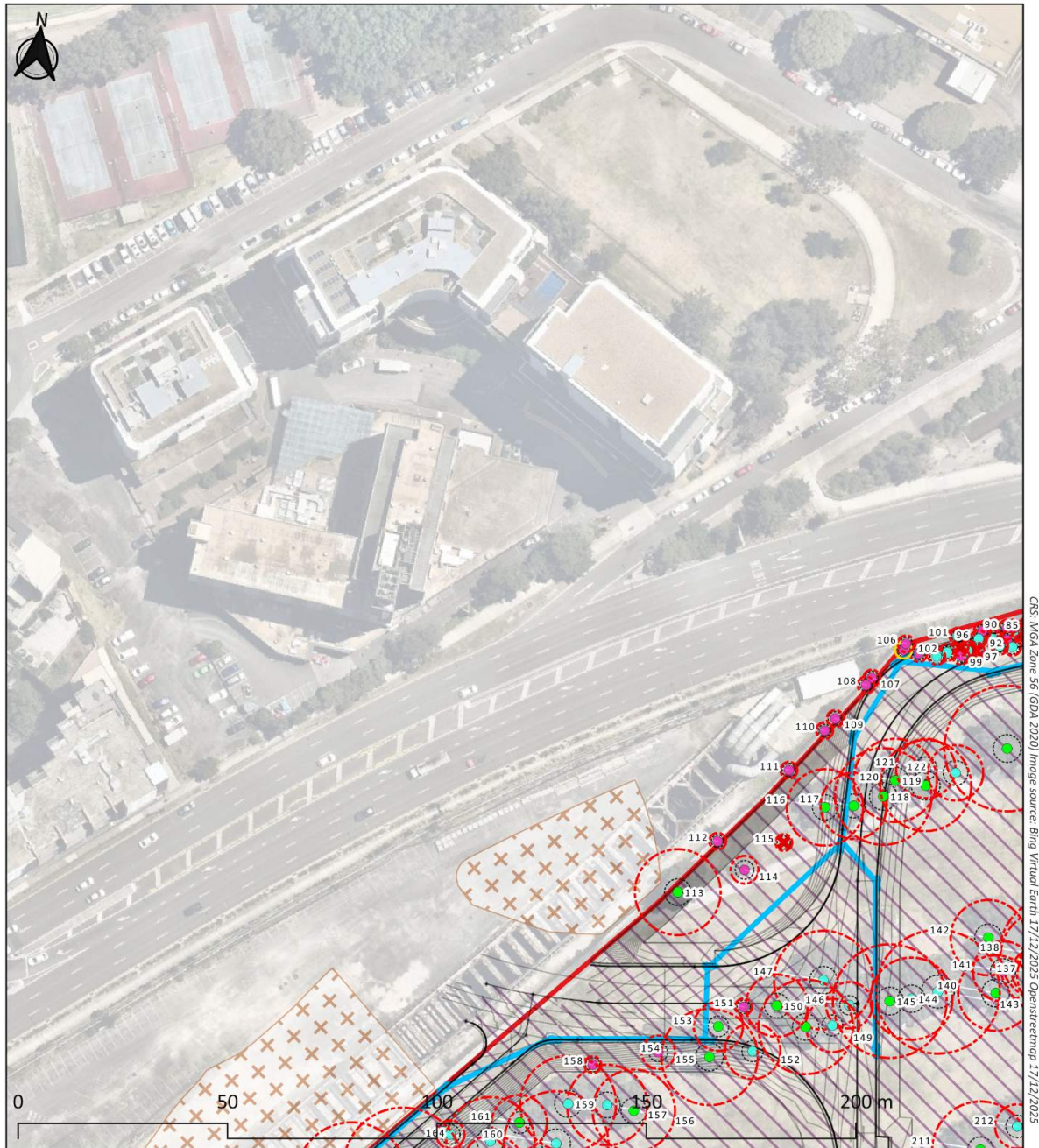
1. Isolated Retaining Walls: Construction of isolated retaining walls at the edge of the NRZ to minimise extent of fill encroachment
2. Design Modifications: Minor adjustments to proposed grades, road alignments, or building positions to reduce encroachment
3. Directional Drilling: Installation of services via trenchless methods beneath the root zone
4. Root Zone Protection During Works: Installation of ground protection systems to prevent compaction

Proposed Discharge Expansion Area

It is estimated that an additional 204 trees will be included in within the updated AIA and TPP for future submissions. See Appendix C for details.

Arboricultural Impact Assessment

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Legend

NRZ - Recommendations

Recommendation

-  Remove - project impacts
-  Retain - generic plus
-  High RV
-  Medium RV
-  Low RV
-  Priority for Removal RV
-  SRZ

Construction Elements

-  Stormwater
-  Road/builtform

Bulk Earthworks

-  SURF-IDEASIGN BEW VOL
-  SURF-IDEASIGN BEW VOL CHANNEL



Figure 7.1: Impact Assessment

Arboricultural Impact Assessment

Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
13-19A Marsh Street, Arncliffe NSW 2205



CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 17/12/2025 Openstreetmap 17/12/2025

Legend

NRZ - Recommendations

Recommendation

- ⊖ Remove - project impacts
- Retain - generic
- Retain - generic plus
- High RV
- Medium RV
- Low RV
- ✕ Priority for Removal RV

SRZ

Construction Elements

- Stormwater
- Road/builtform
- ▨ Foreshore landscape

Bulk Earthworks

- ▨ SURF-!DESIGN BEW VOL



Figure 7.2: Impact Assessment

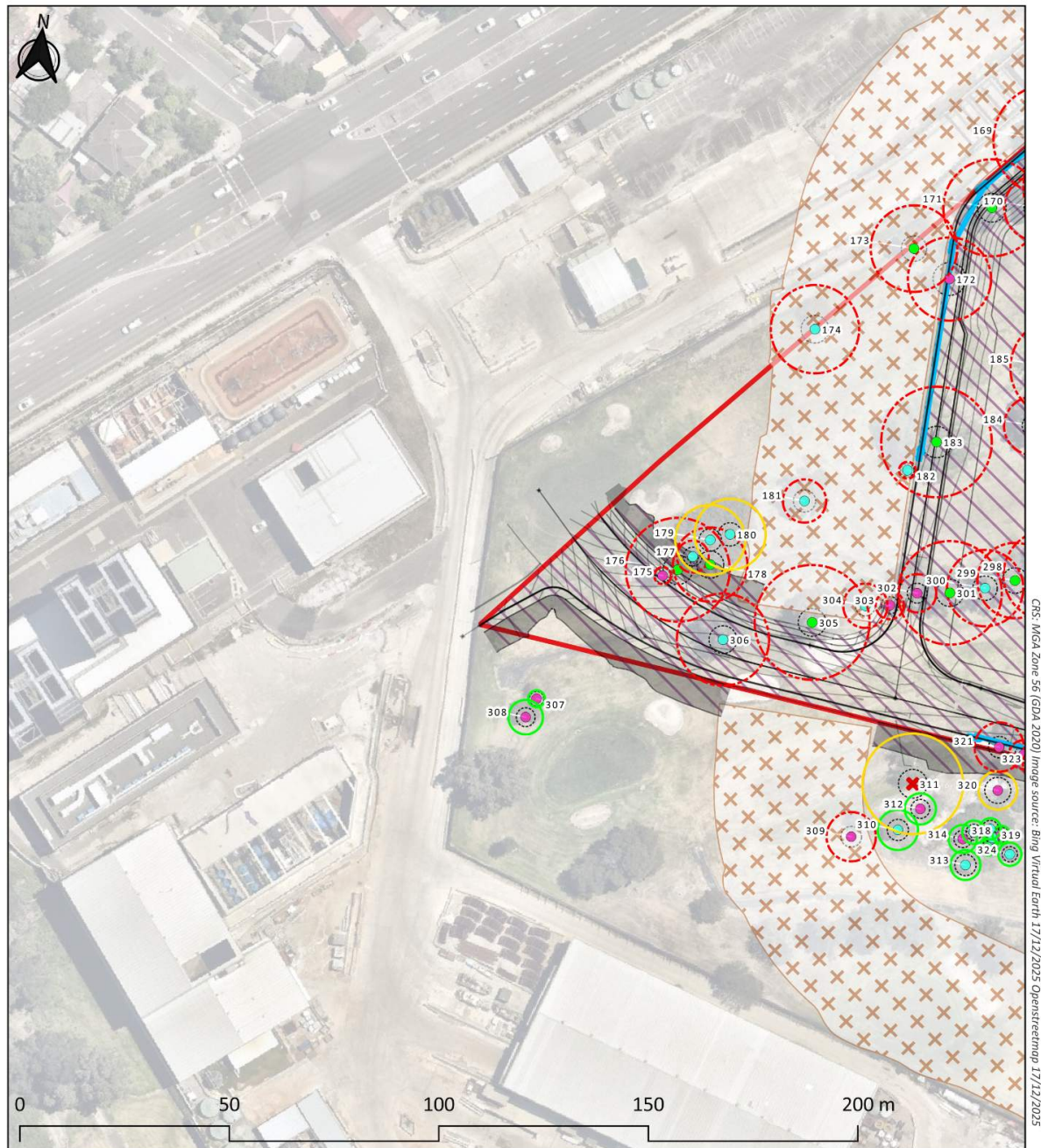
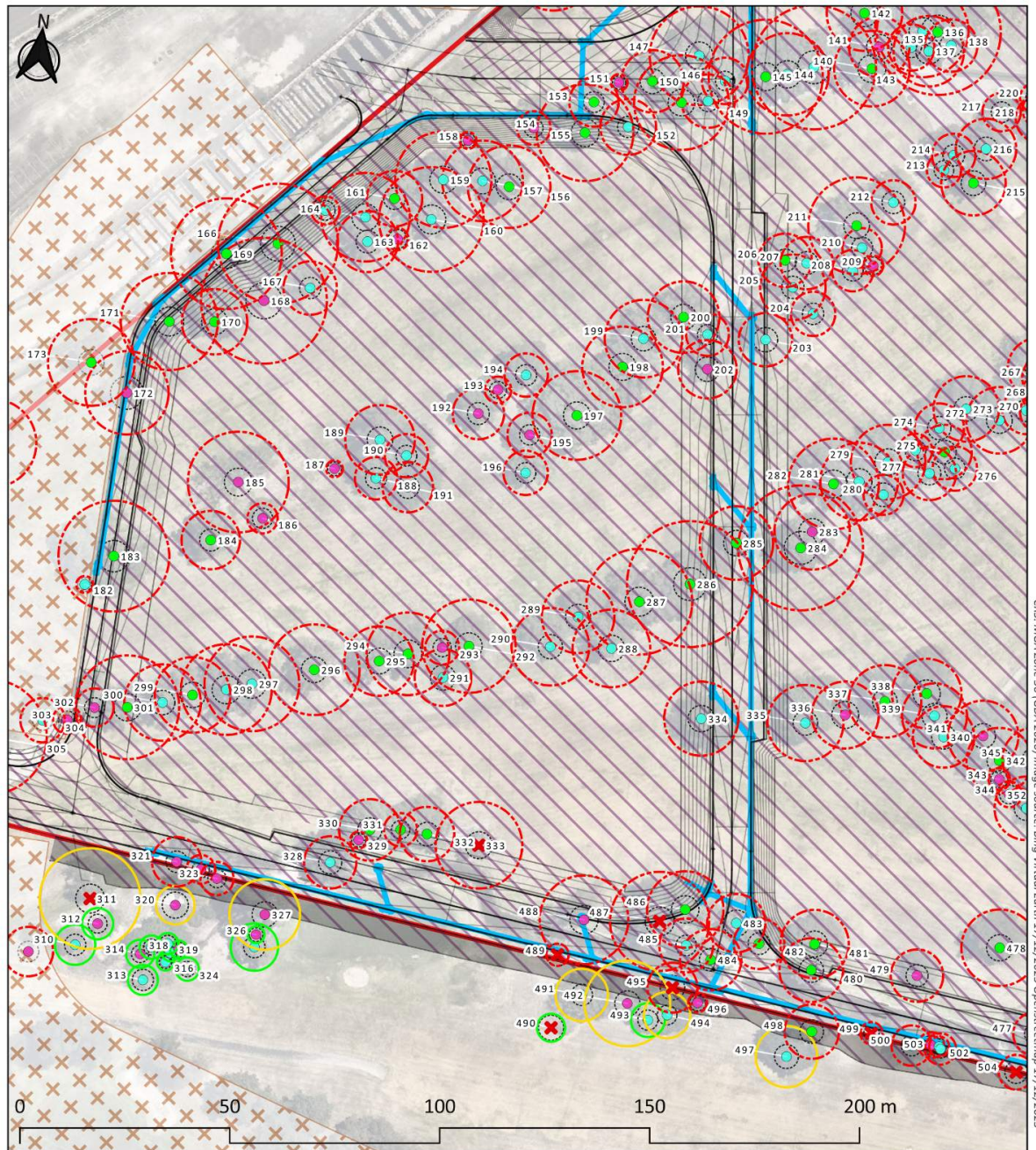


Figure 7.3: Impact Assessment

Arboricultural Impact Assessment

Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
13-19A Marsh Street, Arncliffe NSW 2205



Legend

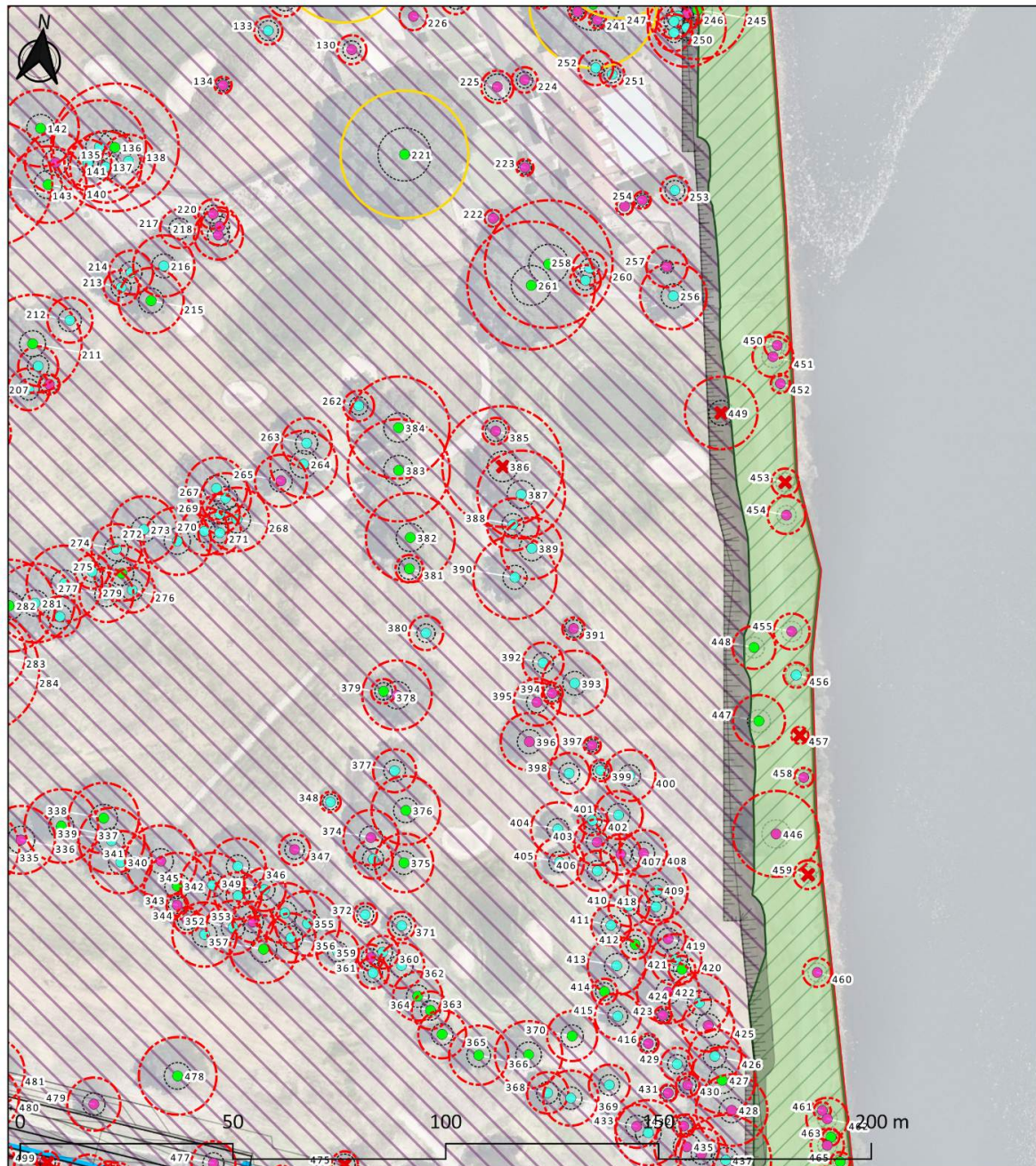
NRZ - Recommendations	○ SRZ
Recommendation	Construction Elements
○ Remove - project impacts	— Stormwater
○ Retain - generic	— Road/builtform
○ Retain - generic plus	Bulk Earthworks
● High RV	— SURF-!DESIGN BEW VOL
● Medium RV	— SURF-!DESIGN BEW VOL CHANNEL
● Low RV	
✗ Priority for Removal RV	



Figure 7.4: Impact Assessment

Arboricultural Impact Assessment

Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
13-19A Marsh Street, Arncliffe NSW 2205



CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 17/12/2025 Openstreetmap 17/12/2025

Legend

NRZ - Recommendations

Recommendation

- Remove - project impacts
- Retain - generic plus
- High RV
- Medium RV
- Low RV
- ✕ Priority for Removal RV

○ SRZ

Construction Elements

- Stormwater
- Road/builtform
- Foreshore landscape

Bulk Earthworks

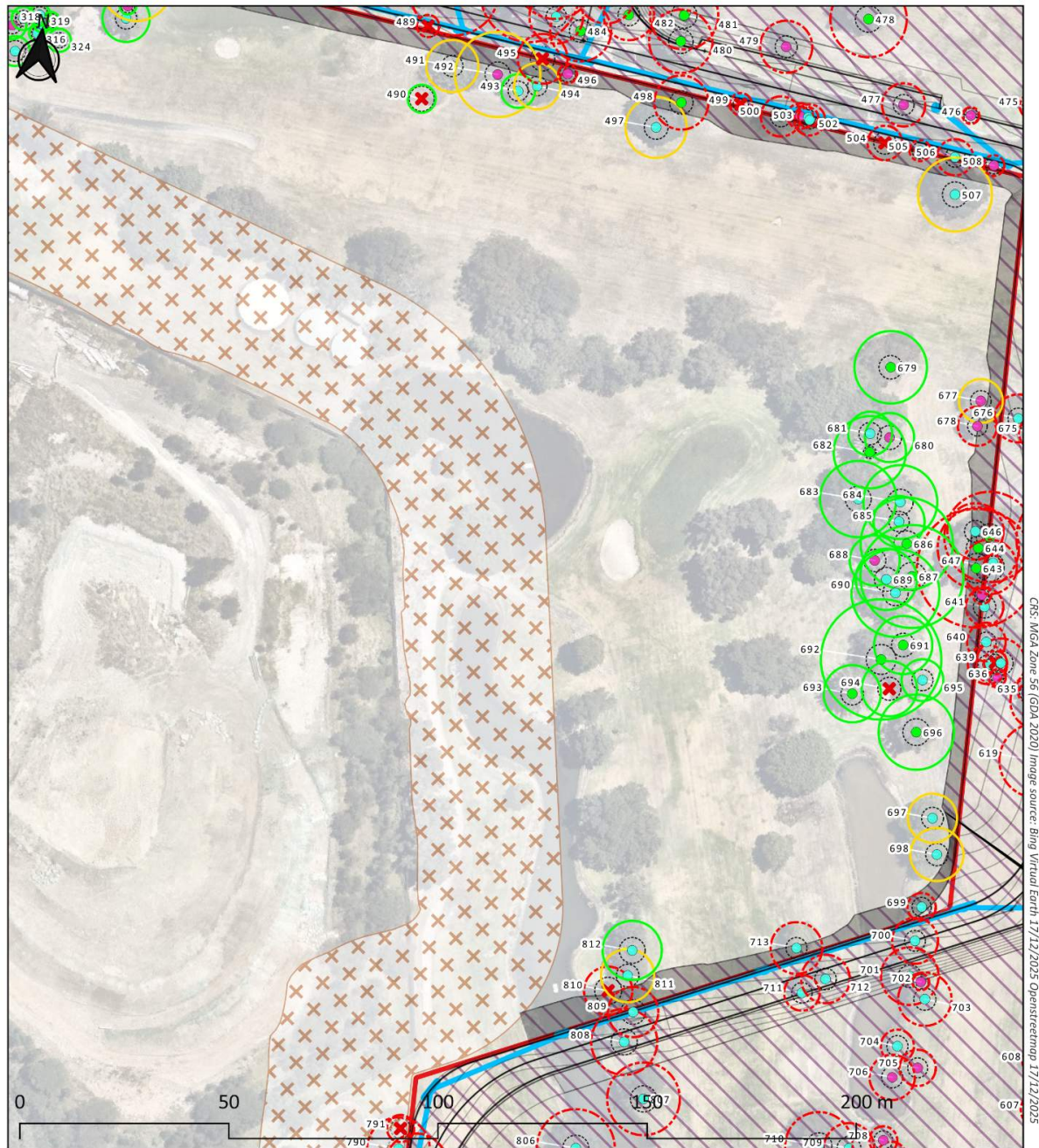
- SURF-!DESIGN BEW VOL



Figure 7.5: Impact Assessment

Arboricultural Impact Assessment

Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
13-19A Marsh Street, Arncliffe NSW 2205



Legend

NRZ - Recommendations

Recommendation

- ⊗ Remove - project impacts
- Retain - generic
- Retain - generic plus
- High RV
- Medium RV
- Low RV
- ✗ Priority for Removal RV

○ SRZ

Construction Elements

- Stormwater
- Road/builtform

Bulk Earthworks

- SURF-!DESIGN BEW VOL
- ⊗ SURF-!DESIGN BEW VOL CHANNEL



Figure 7.6: Impact Assessment

Arboricultural Impact Assessment

Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
13-19A Marsh Street, Arncliffe NSW 2205



CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 17/12/2025 Openstreetmap 17/12/2025

Legend

NRZ - Recommendations

Recommendation

- Remove - project impacts
- Retain - generic
- Retain - generic plus
- High RV
- Medium RV
- Low RV
- ✕ Priority for Removal RV

○ SRZ

Construction Elements

- Stormwater
- Road/builtform
- Foreshore landscape

Bulk Earthworks

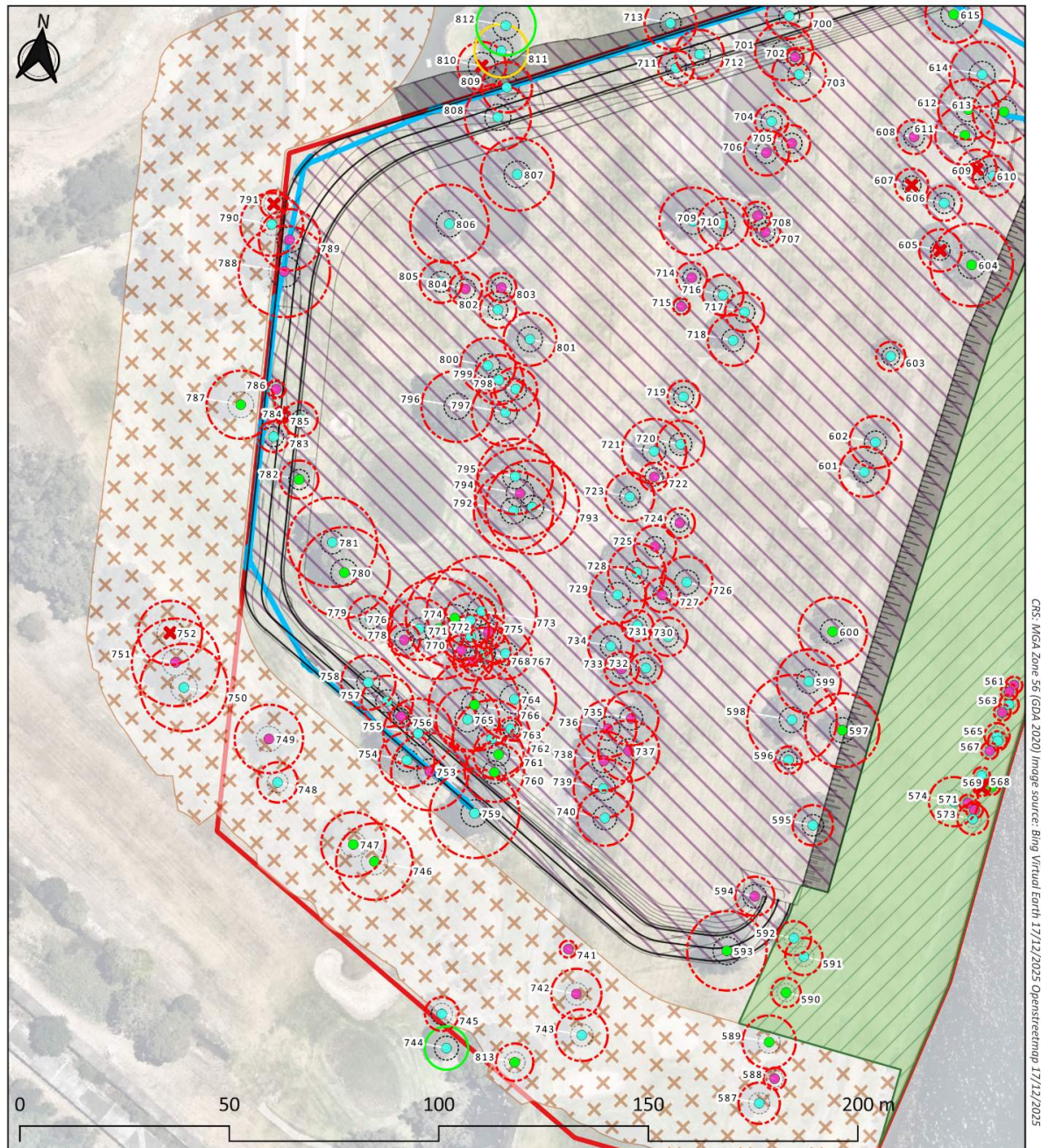
- SURF-!DESIGN BEW VOL



Figure 7.7: Impact Assessment

Arboricultural Impact Assessment

Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
13-19A Marsh Street, Arncliffe NSW 2205



Legend

NRZ - Recommendations

Recommendation

- Remove - project impacts
- Retain - generic
- Retain - generic plus
- High RV
- Medium RV
- Low RV
- ✗ Priority for Removal RV

SRZ

Construction Elements

- Stormwater
- Road/builtform
- Foreshore landscape

Bulk Earthworks

- SURF-!DESIGN BEW VOL
- SURF-!DESIGN BEW VOL CHANNEL



Figure 7.8: Impact Assessment

Arboricultural Impact Assessment

Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
13-19A Marsh Street, Arncliffe NSW 2205



CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 17/12/2025 Openstreetmap 17/12/2025

Legend

NRZ - Recommendations

Recommendation

-  Remove - project impacts
-  Retain - generic plus
-  High RV
-  Medium RV
-  Low RV
-  Priority for Removal RV

 SRZ

Construction Elements

-  Stormwater
-  Road/builtform
-  Foreshore landscape

Bulk Earthworks

-  SURF-!DESIGN BEW VOL



Figure 7.9: Impact Assessment

Arboricultural Impact Assessment

Kogarah Golf Club Redevelopment - Concept & Early Works SSDA (SSD-84467726)
13-19A Marsh Street, Arncliffe NSW 2205



CRS: MGA Zone 56 (GDA 2020) Image source: Bing Virtual Earth 17/12/2025 Openstreetmap 17/12/2025

Legend

NRZ - Recommendations

Recommendation

-  Remove - project impacts
-  Retain - generic
-  High RV
-  Medium RV
-  Low RV
-  Priority for Removal RV
-  SRZ

Construction Elements

 Road/builtform

 Foreshore landscape

Bulk Earthworks

 SURF-!DESIGN BEW VOL

 SURF-!DESIGN BEW VOL CHANNEL



Figure 7.10: Impact Assessment

6. Recommendations

6.1. Tree Retention Optimisation

The detailed DA design phase should evaluate opportunities to maximise tree retention through design refinement. Specific focus should be given to:

- High and medium retention value trees located at the periphery of bulk earthworks zones where minor design modifications (road alignment adjustments, building setbacks, localized retaining walls) may enable retention
- Trees experiencing 20-40% NRZ encroachment where design modifications could reduce impacts to acceptable levels
- Optimization of building and road layouts to accommodate the NRZs of retained trees along the Cooks River foreshore

6.2. Tree Transplantation Program

Trees 124, 129, 221, 242, 244 (*Ficus macrophylla*) are identified for retention via transplantation. The detailed DA phase shall confirm feasibility of this approach. Subject to approval, the following will be required:

- Confirm transplant receptor sites and integrate into landscape design
- Engage specialist transplant contractor to refine methodology and programming requirements
- Finalise transplant budget including 12-month preparation period and 5-year aftercare program

6.3. Volume Discharge Channel Assessment

A supplementary arboricultural impact assessment is required for trees within the volume discharge channel corridor. This assessment shall be completed prior to SSDA lodgement and shall follow the same methodology and assessment criteria as this report.

6.4. Tree Offset Requirements

The removal of 742 trees (791 individual trees) triggers tree offset obligations. Prior to SSDA lodgement:

- Prepare detailed tree offset calculations in accordance with applicable government requirements
- Develop compensatory planting strategy addressing species selection, planting locations, and establishment periods
- Quantify offset planting numbers required to meet regulatory obligations

6.5. Detailed Development Application Requirements

The following arboricultural documentation shall be prepared to support the detailed DA:

- Supplementary AIA for volume discharge channel corridor trees
- Tree offset calculations and compensatory planting strategy
- Tree Protection Plan showing TPZ locations for all retained trees
- Arboricultural Method Statements for trees requiring specific protection measures (Trees 56, 58, 77, 105, 179-180, 311, 320, 327, 491-492, 494, 507, 677, 697-698, 811)
- Transplant implementation program for Trees 124, 129, 221, 242, 244

7. References

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8. Appendix A - IACA Significance of a Tree, Assessment Rating System (STARS) ©

Tree Landscape Significance - Assessment Criteria

1. High Significance in landscape	2. Medium Significance in landscape	3. Low Significance in landscape
The tree is in good condition and good vigour; The tree has a form typical for the species; The tree is a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age; The tree is listed as a Heritage Item, Threatened Species or part of an Endangered ecological community or listed on Councils significant Tree Register; The tree is visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity; The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or community group or has commemorative values; The tree's growth is unrestricted by above and below ground influences, supporting its ability to reach dimensions typical for the taxa <i>in situ</i> - tree is appropriate to the site conditions.	The tree is in fair-good condition and good or low vigour; The tree has form typical or atypical of the species; The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street, The tree provides a fair contribution to the visual character and amenity of the local area, The tree's growth is moderately restricted by above or below ground influences, reducing its ability to reach dimensions typical for the taxa <i>in situ</i>. Notes The tree is to have a minimum of three (3) criteria in a category to be classified in that group. The assessment criteria are for individual trees only, however, can be applied to a monocultural stand in its entirety e.g. hedge.	The tree is in fair-poor condition and good or low vigour; The tree has form atypical of the species; The tree is not visible or is partly visible from surrounding properties as obstructed by other vegetation or buildings, The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area, The tree is a young specimen which may or may not have reached dimension to be protected by local Tree Preservation orders or similar protection mechanisms and can easily be replaced with a suitable specimen, The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa <i>in situ</i> - tree is inappropriate to the site conditions, The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms, The tree has a wound or defect that has potential to become structurally unsound. Environmental Pest / Noxious Weed Species The tree is an Environmental Pest Species due to its invasiveness or poisonous/ allergenic properties, The tree is a declared noxious weed by legislation. Hazardous/Irreversible Decline The tree is structurally unsound and/or unstable and is considered potentially dangerous, The tree is dead, or is in irreversible decline, or has the potential to fail or collapse in full or part in the immediate to short term.

Estimated Life Expectancy

1. Long	2. Medium	3. Short	4. Remove
Trees that appear to be retainable with an acceptable level of risk for more than 40 years. Structurally sound trees located in positions that can accommodate future growth. Storm damaged or defective trees that could be made suitable for retention in the long term by remedial tree surgery. Trees of special significance for historical, commemorative, or rarity reasons that would warrant extraordinary efforts to secure their long-term retention.	Trees that appear to be retainable with an acceptable level of risk for 15-40 years. Trees that may only live between 15 and 40 more years. Trees that may live for more than 40 years but would be removed to allow the safe development of more suitable individuals. Trees that may live for more than 40 years but would be removed during the course of normal management for safety or nuisance reasons. Storm damaged or defective trees that require substantial remedial work to make safe and are only suitable for retention in the short term.	Trees that appear to be retainable with an acceptable level of risk for 5-15 years. Trees that may only live between 5 and 15 more years. Trees that may live for more than 15 years but would be removed to allow the safe development of more suitable individuals. Trees that may live for more than 15 years but would be removed during the course of normal management for safety or nuisance reasons. Storm damaged or defective trees that require substantial remedial work to make safe and are only suitable for retention in the short term.	Trees with a high level of risk that would need removing within the next 5 years. Dead trees. Trees that should be removed within the next 5 years. Dying or suppressed or declining trees through disease or inhospitable conditions. Dangerous trees through instability or recent loss of adjacent trees. Dangerous trees through structural defects, including cavities, decay, included bark, wounds, or poor form. Damaged trees that are considered unsafe to retain. Trees that could live for more than 5 years but may be removed to prevent interference with more suitable individuals or to provide space for new planting. Trees that will become dangerous after removal of trees for other reasons.

Tree Retention Value – Priority Matrix

		Landscape Significance Rating				
		1 (High)	2 (Medium)	3 (Low)	4 (Environmental Pest / Noxious Weed)	5 (Hazardous / Irreversible Decline)
Estimated Life Expectancy	Long (>40)	High - Priority for Retention	High - Priority for Retention	Medium - Consider for Retention	Low - Consider for Removal	Priority for Removal
	Medium (15-40)	High - Priority for Retention	Medium - Consider for Retention	Medium - Consider for Retention Low - Consider for Removal	Low - Consider for Removal	Priority for Removal
	Short (5-15)	Low - Consider for Removal	Low - Consider for Removal	Low - Consider for Removal	Priority for Removal	Priority for Removal
	Dead Or Hazardous (0-5)	Low - Consider for Removal	Priority for Removal	Priority for Removal	Priority for Removal	Priority for Removal

Legend for Matrix Assessment

High - Priority for Retention	These trees are considered important for retention and should be retained and protected. Design modification or re-location of buildings should be considered to accommodate the setbacks as prescribed by the Australian Standard AS4970-2025 <i>Protection of trees on development sites</i> . Tree-sensitive construction must be implemented, e.g. pier and beam, etc if works are to proceed within the Tree Protection Zone
Medium - Consider for Retention	These trees may be retained and protected. These are considered less critical; however, their retention should remain a priority with removal considered only if adversely affecting the proposed building/works and all other alternatives have been considered exhausted.
Low - Consider for Removal	These trees are not important for retention, nor require special works or design modification to be implemented for their retention.
Priority for Removal	These trees are considered hazardous, or in irreversible decline, or weeds and should be removed irrespective of development.

9. Appendix B - Tree Assessment Schedule

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
1	<i>Casuarina cunninghamiana</i>	River Sheoak	1	38.18	48	4.6	65.9	2.4	7	6	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Poor pruning	Historically topped.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Foreshore landscape: 0.31%, Road/builtform: 97.95%, Stormwater: 13.24% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
2	<i>Olea europaea subsp. cuspidata</i>	African Olive	1	25.06	45	3.0	28.4	2.4	5	6	Good	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Asymmetrical root plate, Co-dominant stems, Constrained growing environment, Environmental/Declared Weed, Self-sown and inappropriately located, Suppressed		Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 97.27%, Road/builtform: 97.27% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
3	<i>Casuarina glauca</i>	Swamp Sheoak	1	26	30	3.1	30.6	2.0	9	5	Good	Fair	Semi-mature	Medium (15-40)	Constrained growing environment, Suppressed	Restricted apical growth due to the overhead canopy. Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 80.05%, Road/builtform: 80.05% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
4	<i>Corymbia maculata</i>	Spotted Gum	1	52	60	6.2	122.3	2.7	16	9	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 74.73%, Road/builtform: 69.28% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
5	<i>Corymbia maculata</i>	Spotted Gum	1	27	31	3.2	33.0	2.0	9	5	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Suppressed	Situated on a steep embankment on the northern boundary line.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 98.35% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
6	<i>Corymbia maculata</i>	Spotted Gum	1	7	10	2.0	12.6	1.5	4	1	Fair	Good	Juvenile	Short (5-15)	Asymmetrical crown, Suppressed	Suppressed by the overhead canopy. Situated on a steep embankment on the northern boundary line.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 98.13% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
7	<i>Corymbia maculata</i>	Spotted Gum	1	34	41	4.1	52.3	2.3	11	7	Good	Good	Semi-mature	Long (>40)	Asymmetrical crown, Deadwood moderate (3-10cm diameter)	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 83.01%, Road/builtform: 75.06% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
8	<i>Corymbia maculata</i>	Spotted Gum	1	49	58	5.9	108.6	2.6	15	10	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Situated on a steep embankment on the northern boundary line.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 93.75%, Road/builtform: 78.63% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
9	<i>Corymbia maculata</i>	Spotted Gum	1	35.78	50	4.3	57.9	2.5	11	6	Good	Good	Semi-mature	Long (>40)	Asymmetrical crown, Deadwood moderate (3-10cm diameter)	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 63.66% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
10	<i>Corymbia maculata</i>	Spotted Gum	1	37	45	4.4	61.9	2.4	16	8	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 91.11%, Road/builtform: 73.38% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
11	<i>Corymbia maculata</i>	Spotted Gum	1	21	23	2.5	20.0	1.8	11	5	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Suppressed	Situated on a steep embankment on the northern boundary line.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 69.34% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
12	<i>Corymbia maculata</i>	Spotted Gum	1	26	34	3.1	30.6	2.1	12	6	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Suppressed	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 87.04%, Road/builtform: 66.75% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
13	<i>Corymbia maculata</i>	Spotted Gum	1	31	36	3.7	43.5	2.2	14	6	Good	Good	Semi-mature	Long (>40)	Asymmetrical crown	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 67.12%, Road/builtform: 54.69%, Stormwater: 11.09% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
14	<i>Corymbia maculata</i>	Spotted Gum	1	39	44	4.7	68.8	2.3	16	7	Good	Good	Semi-mature	Long (>40)		Situated on a steep embankment on the northern boundary line.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 88.01%, Road/builtform: 76.90%, Stormwater: 15.50% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
15	<i>Corymbia maculata</i>	Spotted Gum	1	39.96	67	4.8	72.2	2.8	13	8	Good	Fair	Semi-mature	Long (>40)	Asymmetrical crown, Deadwood moderate (3-10cm diameter)	First-order stem originating from ground level.	Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 91.95%, Road/builtform: 83.48%, Stormwater: 14.58% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
16	<i>Corymbia maculata</i>	Spotted Gum	1	13	18	2.0	12.6	1.6	8	2	Fair	Good	Juvenile	Short (5-15)	Suppressed	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 84.21%, Road/builtform: 79.24%, Stormwater: 40.02% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
17	<i>Corymbia maculata</i>	Spotted Gum	1	50	61	6.0	113.1	2.7	17	7	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Situated on a steep embankment on the northern boundary line.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 73.76%, Road/builtform: 66.54%, Stormwater: 8.43% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
18	<i>Corymbia maculata</i>	Spotted Gum	1	25	30	3.0	28.3	2.0	12	4	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 74.71%, Road/builtform: 72.11%, Stormwater: 16.91% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
19	<i>Corymbia maculata</i>	Spotted Gum	1	17	21	2.0	13.1	1.7	9	5	Good	Good	Juvenile	Medium (15-40)	Epicormic shoots, Suppressed	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 73.60%, Road/builtform: 73.60% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
20	<i>Corymbia maculata</i>	Spotted Gum	1	42	52	5.0	79.8	2.5	16	8	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.01%): Bulk Earthworks: 58.03%, Road/builtform: 51.14%, Stormwater: 1.77% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
21	<i>Olea europaea subsp. cuspidata</i>	African Olive	1	12.81	16	2.0	12.6	1.5	3	7	Good	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Constrained growing environment, Environmental/Declared Weed, Suppressed	Apical growth restricted by the overhead canopy.	Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 86.43% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
22	<i>Acacia saligna</i>	Golden Wreath Wattle	1	42	47	5.0	79.8	2.4	4	9	Good	Poor	Mature	Dead Or Hazardous/Remove (0-5)	Asymmetrical crown, Epicormic shoots, Previous failure(s), Self-sown and inappropriately located, Suppressed, Wound(s)	Previous first-order branch failure. Self-seeded so it is hard-pressed against the boundary fence. Situated at the top of a steep embankment on the northern boundary line.	Protected	Native	3 (Low)	Priority for Removal	NRZ encroachment (total 100.02%): Bulk Earthworks: 53.19%, Road/builtform: 45.14% (Encroachment enters the SRZ)	Y	100.02	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
23	<i>Corymbia maculata</i>	Spotted Gum	1	26	31	3.1	30.6	2.0	9	4	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown	Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.01%): Bulk Earthworks: 59.10%, Road/builtform: 59.10% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
24	<i>Corymbia maculata</i>	Spotted Gum	1	41	47	4.9	76.0	2.4	15	6	Good	Good	Semi-mature	Long (>40)		Situated at the top of a steep embankment on the northern boundary line.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 67.34%, Road/builtform: 53.58% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
25	<i>Acacia decurrens</i>	Black Wattle	1	13	15	2.0	12.6	1.5	5	3	Good	Good	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter)	Situated at the top of a steep embankment on the northern boundary line.	Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 72.79%, Road/builtform: 72.79% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
26	<i>Acacia decurrens</i>	Black Wattle	1	14	17	2.0	12.6	1.6	5	3	Good	Good	Semi-mature	Short (5-15)	Asymmetrical crown, Deadwood moderate (3-10cm diameter), Hanger(s), Previous failure(s)	Loss of the central leader. Pioneer tree species. Situated at the top of a steep embankment on the northern boundary line.	Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 76.36%, Road/builtform: 75.90% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
27	<i>Acacia saligna</i>	Golden Wreath Wattle	1	17	22	2.0	13.1	1.8	5	4	Fair	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Previous failure(s)	Situated at the top of a steep embankment on the northern boundary line. Previously failed at the root plate and has since recorrected itself.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 89.21%, Road/builtform: 78.82% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
28	<i>Corymbia maculata</i>	Spotted Gum	1	20.81	29	2.5	19.6	2.0	6	4	Good	Good	Semi-mature	Medium (15-40)	Crossing/rubbing branches	First order stem originating from ground level.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 69.31%, Road/builtform: 64.37% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
29	<i>Photinia robusta</i>	Red Leaf Photinia	1	8.77	13	2.0	12.6	1.5	3	3	Good	Fair	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Epicormic shoots	Historically topped. Situated adjacent to the top side of a two-metre retaining wall.	Protected	Exotic	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
30	<i>Photinia robusta</i>	Red Leaf Photinia	1	14.73	16	2.0	12.6	1.5	4	3	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Epicormic shoots	Historically topped. Situated adjacent to the top side of a two-metre retaining wall.	Protected	Exotic	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 69.39%, Stormwater: 8.83% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
31	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	20	26	2.4	18.1	1.9	5	7	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Included bark	Situated adjacent to a metre tall retaining wall.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00%, Stormwater: 13.35% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
32	<i>Acacia saligna</i>	Golden Wreath Wattle	1	21.75	29	2.6	21.4	2.0	5	8	Good	Poor	Semi-mature	Dead Or Hazardous/Remove (0-5)	Asymmetrical crown, Crack or split, Partial failure, Previous failure(s), Wound(s)	Previously failed at the root plate and has since recorrected the crown. Multiple branch failures throughout the crown.	Protected	Native	3 (Low)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 97.42% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
33	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	1	13.89	16	2.0	12.6	1.5	5	2	Good	Fair	Juvenile	Medium (15-40)	Co-dominant stems, Included bark		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 83.08% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
34	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	4	11.4	18	2.0	12.6	1.6	5	3	Good	Fair	Juvenile	Medium (15-40)		Additional three small trees to the north.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 89.37% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
35	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	1	12.73	18	2.0	12.6	1.6	5	3	Good	Fair	Juvenile	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Included bark		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 66.41% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
36	<i>Melaleuca linariifolia</i>	Snow-in-summe r	1	13.42	20	2.0	12.6	1.7	4	3	Good	Good	Juvenile	Medium (15-40)	Asymmetrical crown, Included bark		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 71.59% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
37	<i>Banksia integrifolia</i>	Coast Banksia	1	12	15	2.0	12.6	1.5	6	3	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 78.28% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
38	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	3	9	20	2.0	12.6	1.7	4	2	Good	Fair	Juvenile	Medium (15-40)		Additional two small trees to the north.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 85.54% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
39	<i>Melaleuca linariifolia</i>	Snow-in-summe r	1	12.04	15	2.0	12.6	1.5	4	3	Fair	Fair	Juvenile	Medium (15-40)	Co-dominant stems	Codominant from ground level.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 63.79% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
40	<i>Banksia integrifolia</i>	Coast Banksia	1	7	10	2.0	12.6	1.5	5	1	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 84.87% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
41	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	1	6.56	7	2.0	12.6	1.5	4	1	Fair	Fair	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
42	<i>Melaleuca linariifolia</i>	Snow-in-summe r	1	8.94	16	2.0	12.6	1.5	4	1	Fair	Fair	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 77.45% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
43	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	1	7.68	15	2.0	12.6	1.5	4	3	Good	Fair	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 99.81% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
44	<i>Casuarina glauca</i>	Swamp Sheoak	1	12	19	2.0	12.6	1.6	6	4	Fair	Good	Juvenile	Medium (15-40)	Crossing/rubbing branches		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 85.10% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
45	<i>Acacia saligna</i>	Golden Wreath Wattle	1	22	34	2.6	21.9	2.1	5	4	Good	Fair	Semi-mature	Short (5-15)	Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 90.84% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
46	<i>Acacia saligna</i>	Golden Wreath Wattle	1	26.87	54	3.2	32.7	2.6	6	8	Fair	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Crossing/rubbing branches, Included bark, Self-sown and inappropriately located	Self-sown directly adjacent to the boundary fence.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 75.27%, Road/builtform: 74.39% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
47	<i>Corymbia maculata</i>	Spotted Gum	1	12	14	2.0	12.6	1.5	8	2	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 74.10% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
48	<i>Eucalyptus microcorys</i>	Tallowood	1	9	11	2.0	12.6	1.5	5	2	Good	Good	Juvenile	Medium (15-40)			Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 68.52% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
49	<i>Acacia saligna</i>	Golden Wreath Wattle	1	9	13	2.0	12.6	1.5	6	2	Good	Good	Juvenile	Short (5-15)			Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 69.77% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
50	<i>Acacia saligna</i>	Golden Wreath Wattle	1	23.41	38	2.8	24.8	2.2	5	8	Fair	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Damaging infrastructure, Included bark, Over-extended branch(es), Partial failure, Self-sown and inappropriately located	First-order branch resting on the boundary fence.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 80.63%, Road/builtform: 80.03% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
51	<i>Acacia saligna</i>	Golden Wreath Wattle	1	8	15	2.0	12.6	1.5	4	3	Fair	Fair	Juvenile	Short (5-15)	Asymmetrical crown, Suppressed	Highly asymmetrical with a northern bias.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 82.23%, Road/builtform: 82.23% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
52	<i>Corymbia maculata</i>	Spotted Gum	1	10	13	2.0	12.6	1.5	7	2	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 93.54%, Road/builtform: 93.54% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
53	<i>Corymbia maculata</i>	Spotted Gum	1	9	12	2.0	12.6	1.5	8	2	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 60.90% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
54	<i>Acacia saligna</i>	Golden Wreath Wattle	1	16.37	25	2.0	12.6	1.8	5	4	Poor	Fair	Juvenile	Dead Or Hazardous/Remove (0-5)	Co-dominant stems, Suppressed	Multiple stems from ground level.	Protected	Native	3 (Low)	Priority for Removal	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 62.94% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
55	<i>Casuarina cunninghamiana</i>	River Sheoak	1	15	22	2.0	12.6	1.8	8	3	Good	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 63.64%, Stormwater: 27.12% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
56	<i>Acacia saligna</i>	Golden Wreath Wattle	1	33.97	41	4.1	52.2	2.3	6	6	Good	Poor	Semi-mature	Dead Or Hazardous/Remove (0-5)	Co-dominant stems, Crossing/rubbing branches, Damaging infrastructure, Included bark, Self-sown and inappropriately located	Self-seeded directly adjacent to the boundary fence.	Protected	Native	3 (Low)	Priority for Removal	NRZ encroachment (total 33.15%); Bulk Earthworks: 33.15%, Road/builtform: 32.56%, Stormwater: 3.60% (Encroachment enters the SRZ)	Y	33.15	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery; Road/builtform: Modify the design to accomodate retention of higher value trees.; Stormwater: Route services outside the NRZ or install via directional drilling.
57	<i>Corymbia maculata</i>	Spotted Gum	1	9	11	2.0	12.6	1.5	7	1	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 74.27%, Road/builtform: 74.15%, Stormwater: 23.63% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
58	<i>Acacia saligna</i>	Golden Wreath Wattle	1	18.79	19	2.3	16.0	1.6	4	4	Good	Fair	Semi-mature	Dead Or Hazardous/Remove (0-5)	Asymmetrical crown, Damaging infrastructure, Self-sown and inappropriately located, Suppressed	Self-seeded directly adjacent to the boundary fence.	Protected	Native	3 (Low)	Priority for Removal	NRZ encroachment (total 24.25%); Bulk Earthworks: 24.25%, Road/builtform: 24.25%, Stormwater: 5.17% (Encroachment enters the SRZ)	Y	24.25	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery; Road/builtform: Modify the design to accomodate retention of higher value trees.; Stormwater: Route services outside the NRZ or install via directional drilling.
59	<i>Eucalyptus microcarys</i>	Tallowood	1	6	9	2.0	12.6	1.5	4	2	Good	Good	Juvenile	Medium (15-40)			Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 84.42%, Stormwater: 0.11% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
60	<i>Acacia saligna</i>	Golden Wreath Wattle	1	13.45	24	2.0	12.6	1.8	6	2	Fair	Fair	Juvenile	Short (5-15)	Co-dominant stems	Codominant from ground level.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 91.81% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
61	<i>Casuarina cunninghamiana</i>	River Sheoak	1	8.94	20	2.0	12.6	1.7	7	2	Good	Good	Juvenile	Medium (15-40)		First order stem originating from ground level.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 98.83% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
62	<i>Corymbia maculata</i>	Spotted Gum	1	8	11	2.0	12.6	1.5	6	1	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.01%); Bulk Earthworks: 56.01%, Road/builtform: 56.01% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
63	<i>Acacia saligna</i>	Golden Wreath Wattle	1	27.15	43	3.3	33.3	2.3	6	5	Fair	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%); Bulk Earthworks: 84.90%, Road/builtform: 76.76% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
64	<i>Corymbia maculata</i>	Spotted Gum	1	7	11	2.0	12.6	1.5	8	1	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 62.42%, Road/builtform: 62.42% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
65	<i>Corymbia maculata</i>	Spotted Gum	1	5	9	2.0	12.6	1.5	6	1	Fair	Good	Juvenile	Short (5-15)	Crossing/rubbing branches		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 89.88% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
66	<i>Eucalyptus microcarys</i>	Tallowood	1	9.9	16	2.0	12.6	1.5	5	1	Good	Good	Juvenile	Short (5-15)	Co-dominant stems		Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%); Bulk Earthworks: 75.94%, Road/builtform: 75.37% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
67	<i>Casuarina glauca</i>	Swamp Sheoak	1	9.06	14	2.0	12.6	1.5	4	2	Fair	Poor	Juvenile	Short (5-15)	Co-dominant stems, Growing from cut stump	The entire crown is comprised of epicormic growth growing from a previously removed tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 75.99% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
68	<i>Corymbia maculata</i>	Spotted Gum	1	10	11	2.0	12.6	1.5	7	1	Good	Good	Semi-mature	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.01%); Bulk Earthworks: 62.99%, Road/builtform: 62.99% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
69	<i>Casuarina cunninghamiana</i>	River Sheoak	1	19	28	2.3	16.3	1.9	8	5	Good	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 95.82% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
70	<i>Eucalyptus microcorys</i>	Tallowood	1	8	11	2.0	12.6	1.5	5	1	Good	Good	Juvenile	Short (5-15)	Suppressed	Likely to be out competed by the adjacent Casuarina.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.04%): Bulk Earthworks: 53.37%, Road/builtform: 53.37% (Encroachment enters the SRZ)	Y	100.04	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
71	<i>Eucalyptus microcorys</i>	Tallowood	1	14	18	2.0	12.6	1.6	7	2	Good	Fair	Juvenile	Medium (15-40)	Asymmetrical crown	Crown bias towards the roadway.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 0.03%): Bulk Earthworks: 0.03%, Road/builtform: 0.03%	N	0.03	Minor	No significant impact expected provided tree protection measures are installed and maintained.	Retain - generic	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
72	<i>Corymbia maculata</i>	Spotted Gum	1	8	10	2.0	12.6	1.5	6	1	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 71.10%, Road/builtform: 71.10% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
73	<i>Corymbia maculata</i>	Spotted Gum	1	8	10	2.0	12.6	1.5	6	1	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 93.05%, Road/builtform: 93.05% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
74	<i>Corymbia maculata</i>	Spotted Gum	1	5	7	2.0	12.6	1.5	4	1	Good	Fair	Juvenile	Short (5-15)	Suppressed		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 96.96%, Road/builtform: 95.18% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
75	<i>Casuarina cunninghamiana</i>	River Sheoak	1	14.7	28	2.0	12.6	1.9	5	3	Good	Poor	Juvenile	Short (5-15)	Co-dominant stems, Growing from cut stump, Suckers	The entire crown is comprised of epicormic growth growing from a previously removed tree.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 61.69% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
76	<i>Eucalyptus microcorys</i>	Tallowood	1	17	23	2.0	13.1	1.8	9	2	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 74.36%, Road/builtform: 74.36% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
77	<i>Casuarina glauca</i>	Swamp Sheoak	1	10	13	2.0	12.6	1.5	5	3	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 15.75%): Bulk Earthworks: 15.75%, Road/builtform: 15.75% (Encroachment enters the SRZ)	Y	15.75	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
78	<i>Casuarina cunninghamiana</i>	River Sheoak	1	15	21	2.0	12.6	1.7	7	3	Good	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 67.20% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
79	<i>Corymbia maculata</i>	Spotted Gum	1	8	9	2.0	12.6	1.5	6	2	Good	Good	Juvenile	Medium (15-40)	Crossing/rubbing branches		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 62.39% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
80	<i>Casuarina cunninghamiana</i>	River Sheoak	1	10.39	23	2.0	12.6	1.8	5	4	Good	Poor	Juvenile	Short (5-15)	Co-dominant stems, Growing from cut stump	The entire crown is comprised of epicormic growth growing from a previously removed tree.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 99.56% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
81	<i>Corymbia maculata</i>	Spotted Gum	1	7	9	2.0	12.6	1.5	5	1	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 91.61%, Road/builtform: 80.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
82	<i>Corymbia maculata</i>	Spotted Gum	1	8	10	2.0	12.6	1.5	6	1	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 76.23% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
83	<i>Casuarina cunninghamiana</i>	River Sheoak	1	9.59	18	2.0	12.6	1.6	4	2	Good	Poor	Juvenile	Short (5-15)	Growing from cut stump	The entire crown is comprised of epicormic growth growing from a previously removed tree.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 78.03% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
84	<i>Casuarina cunninghamiana</i>	River Sheoak	1	14	23	2.0	12.6	1.8	7	3	Good	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 95.39% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
85	<i>Callistemon salignus</i>	White Bottlebrush	1	8	9	2.0	12.6	1.5	4	1	Fair	Poor	Juvenile	Short (5-15)	Co-dominant stems, Included bark, Previous failure(s), Suppressed		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 89.25% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
86	<i>Corymbia maculata</i>	Spotted Gum	1	16	21	2.0	12.6	1.7	6	3	Good	Fair	Semi-mature	Medium (15-40)	Resin/kino/sap flow, Wood borer	Borer damage within a first order branch junction.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 98.53%, Road/builtform: 91.25% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
87	<i>Casuarina cunninghamiana</i>	River Sheoak	1	13	21	2.0	12.6	1.7	6	3	Good	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 94.56% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
88	<i>Corymbia maculata</i>	Spotted Gum	1	9	12	2.0	12.6	1.5	6	2	Good	Good	Juvenile	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 96.05% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
89	<i>Casuarina glauca</i>	Swamp Sheoak	1	7.81	19	2.0	12.6	1.6	6	1	Fair	Fair	Juvenile	Short (5-15)	Co-dominant stems, Included bark	Codominant from ground level with a poorly formed stem junction.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 92.73%, Road/builtform: 92.73% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
90	<i>Eucalyptus microcorys</i>	Tallowood	1	10.82	15	2.0	12.6	1.5	5	2	Good	Fair	Juvenile	Short (5-15)	Included bark	First order branch junction originating from low on the trunk and competing for apical dominance.	Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 84.46%, Road/builtform: 84.46% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
91	<i>Casuarina cunninghamiana</i>	River Sheoak	1	10	18	2.0	12.6	1.6	5	2	Fair	Fair	Juvenile	Short (5-15)	Included bark		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 76.75% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
92	<i>Corymbia maculata</i>	Spotted Gum	1	17	20	2.0	13.1	1.7	10	3	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 74.22% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
93	<i>Corymbia maculata</i>	Spotted Gum	1	10	14	2.0	12.6	1.5	9	2	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 65.95% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
94	<i>Corymbia maculata</i>	Spotted Gum	1	7	9	2.0	12.6	1.5	7	2	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 77.81% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
95	<i>Melaleuca sp.</i>	Paperbark	4	12.73	11	2.0	12.6	1.5	3	2	Fair	Fair	Juvenile	Medium (15-40)	Co-dominant stems, Included bark	Additional three small Melaleuca to the east.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.01%): Bulk Earthworks: 64.33%, Road/builtform: 64.33% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
96	<i>Corymbia maculata</i>	Spotted Gum	1	8	10	2.0	12.6	1.5	6	2	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 86.08% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
97	Dead tree	Dead tree	1	10	13	2.0	12.6	1.5	7	2	Dead	Poor	Juvenile	Dead Or Hazardous/Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 63.47% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
98	<i>Casuarina cunninghamiana</i>	River Sheoak	1	19	29	2.3	16.3	2.0	7	5	Good	Good	Juvenile	Medium (15-40)			Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 65.19% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
99	<i>Corymbia maculata</i>	Spotted Gum	1	4	6	2.0	12.6	1.5	4	1	Good	Good	Juvenile	Short (5-15)			Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 73.09% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
100	Dead tree	Dead tree	1	6	7	2.0	12.6	1.5	5	1	Dead	Poor	Juvenile	Dead Or Hazardous/Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 62.10% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
101	<i>Casuarina glauca</i>	Swamp Sheoak	1	12	13	2.0	12.6	1.5	5	4	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.01%): Bulk Earthworks: 57.36%, Road/builtform: 57.36% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
102	<i>Corymbia maculata</i>	Spotted Gum	1	10	12	2.0	12.6	1.5	8	2	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 60.50% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
103	<i>Corymbia maculata</i>	Spotted Gum	1	14	18	2.0	12.6	1.6	8	3	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 60.29%, Stormwater: 4.92% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
104	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	1	11.31	12	2.0	12.6	1.5	4	3	Fair	Fair	Juvenile	Medium (15-40)		Surrounding by a dozen small trees of the same species, most of which do not have the dimensions to be considered a tree.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 99.10%, Road/builtform: 99.10%, Stormwater: 9.53% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
105	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	1	13.42	17	2.0	12.6	1.6	4	3	Good	Fair	Semi-mature	Short (5-15)	Growing from cut stump	The entire crown is comprised of epicormic growth growing from a previously removed tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 38.35%): Bulk Earthworks: 38.35%, Road/builtform: 38.35%, Stormwater: 15.84% (Encroachment enters the SRZ)	Y	38.35	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accommodate retention of higher value trees.; Stormwater: Route services outside the NRZ or install via directional drilling.
106	<i>Melaleuca linariifolia</i>	Snow-in-summer	1	12.81	16	2.0	12.6	1.5	4	3	Good	Fair	Semi-mature	Short (5-15)	Damaging infrastructure, Inappropriate location, Included bark	Hard-pressed up against the boundary fence.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 8.73%): Bulk Earthworks: 8.73%, Road/builtform: 8.73% (Encroachment enters the SRZ)	Y	8.73	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
107	Casuarina glauca	Swamp Sheoak	1	10	18	2.0	12.6	1.6	6	2	Good	Fair	Juvenile	Short (5-15)	Growing from cut stump, Suppressed	Located within the m6 compound. Partial VTA. Not tagged. Potentially epicormic growth which has reestablished from a previously removed tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.02%): Bulk Earthworks: 54.19%, Road/builtform: 54.19% (Encroachment enters the SRZ)	Y	100.02	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
108	Casuarina glauca	Swamp Sheoak	1	7.81	15	2.0	12.6	1.5	6	2	Good	Poor	Juvenile	Short (5-15)	Epicormic shoots, Growing from cut stump	Located within the m6 compound. Partial VTA. Not tagged. Potentially epicormic growth which has reestablished from a previously removed tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.03%): Bulk Earthworks: 51.22%, Road/builtform: 51.22% (Encroachment enters the SRZ)	Y	100.03	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
109	Casuarina glauca	Swamp Sheoak	1	16.19	20	2.0	12.6	1.7	9	5	Good	Poor	Juvenile	Short (5-15)	Epicormic shoots, Growing from cut stump	Located within the m6 compound. Partial VTA. Not tagged. Potentially epicormic growth which has reestablished from a previously removed tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.01%): Bulk Earthworks: 52.58%, Road/builtform: 55.76% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
110	Casuarina glauca	Swamp Sheoak	1	7.81	12	2.0	12.6	1.5	7	3	Good	Poor	Juvenile	Short (5-15)	Epicormic shoots, Growing from cut stump	Located within the m6 compound. Partial VTA. Not tagged. Potentially epicormic growth which has reestablished from a previously removed tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.01%): Bulk Earthworks: 55.34%, Road/builtform: 58.50% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
111	Casuarina glauca	Swamp Sheoak	1	12.45	18	2.0	12.6	1.6	6	4	Good	Poor	Juvenile	Short (5-15)	Epicormic shoots, Growing from cut stump	Located within the m6 compound. Partial VTA. Not tagged. Potentially epicormic growth which has reestablished from a previously removed tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.01%): Bulk Earthworks: 61.43%, Road/builtform: 64.55% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
112	Casuarina glauca	Swamp Sheoak	1	10	15	2.0	12.6	1.5	6	2	Good	Poor	Juvenile	Short (5-15)	Epicormic shoots, Growing from cut stump	Located within the m6 compound. Partial VTA. Not tagged. Potentially epicormic growth which has reestablished from a previously removed tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.01%): Bulk Earthworks: 58.34%, Road/builtform: 61.46% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
113	Melaleuca quinquenervia	Broad-leaved Paperbark	1	85.41	90	10.2	330.0	3.2	17	12	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 95.20%): Bulk Earthworks: 82.56%, Road/builtform: 42.44% (Encroachment enters the SRZ)	Y	95.2	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
114	Callistemon viminalis	Weeping Bottlebrush	1	27.66	39	3.3	34.6	2.2	6	7	Good	Fair	Mature	Short (5-15)	Deadwood moderate (<3cm diameter), Poor pruning, Recent change - crown architecture	Western leader has previously been pruned exposing the inner crown to new dynamic loading.	Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 4.13% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
115	Stenocarpus sinuatus	Fire Wheel	1	11.66	17	2.0	12.6	1.6	5	2	Poor	Fair	Semi-mature	Dead Or Hazardous/Remove (0-5)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Hanger(s)	This tree is in irreversible decline.	Protected	Native	3 (Low)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
116	Melaleuca quinquenervia	Broad-leaved Paperbark	1	76	80	9.1	261.3	3.0	16	11	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 73.13%, Stormwater: 6.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
117	Melaleuca quinquenervia	Broad-leaved Paperbark	1	65.74	70	7.9	195.5	2.8	15	11	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 91.93%, Stormwater: 7.87% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
118	Melaleuca quinquenervia	Broad-leaved Paperbark	1	96.05	100	11.5	417.4	3.3	17	10	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Hanger(s), Included bark, Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 78.50%, Stormwater: 3.75% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
119	Melaleuca quinquenervia	Broad-leaved Paperbark	1	82.91	90	9.9	311.0	3.2	17	9	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood major (>10cm diameter), Included bark, Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 72.43% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
120	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	90.69	110	10.9	372.1	3.4	17	10	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 38.96% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
121	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	59.03	62	7.1	157.6	2.7	11	9	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Girdling roots, Included bark, Root scalping	Partially suppressed by the canopy to the east.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 43.35% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
122	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	55.17	76	6.6	137.7	2.9	11	7	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
123	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	128.51	100	15.0	706.9	3.3	17	15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Previous failure(s), Root scalping, Wound(s)		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 8.08% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
124	<i>Ficus macrophylla</i>	Moreton Bay Fig	1	160	184	15.0	706.9	4.3	19	22	Fair	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood major (>10cm diameter), Dieback, Epicormic shoots, Poor pruning, Previous failure(s), Resin/kino/sap flow, Root scalping, Wound(s)	The tree appears to have been historically lopped at 7 metres. Dieback and reduced crown density in the upper eastern crown.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree within area of significant cut. Tree may be transplanted elsewhere on site. Alternatively, existing levels will need to be maintained to avoid root loss and impacts of soil modification.	Retain - generic plus	Transplant tree or modify desing to avoid conflicts due to bulk earthworks and permanent infrastructure.
125	<i>Phoenix canariensis</i>	Canary Island Date Palm	1	66	0	7.9	197.1		11	6	Good	Good	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter)		Protected	Exotic	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 45.91%, Stormwater: 0.32% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
126	<i>Butia capitata</i>	Jelly Palm	1	35	0	4.2	55.4		6	2	Good	Good	Mature	Long (>40)			Protected	Exotic	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
127	<i>Murraya paniculata</i>	Mock Orange	5	7.35	12	2.0	12.6	1.5	3	8	Good	Fair	Mature	Medium (15-40)	Co-dominant stems	Additional two trees either side. Managed as a formal hedge.	Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
128	<i>Murraya paniculata</i>	Mock Orange	1	9.8	18	2.0	12.6	1.6	3	4	Good	Fair	Mature	Medium (15-40)	Co-dominant stems	Managed as a formal hedge.	Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
129	<i>Ficus macrophylla</i>	Moreton Bay Fig	1	207	305	15.0	706.9	5.3	17	31	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Poor pruning, Previous failure(s), Resin/kino/sap flow, Wound(s)	The tree appears to have been historically lopped at 8m and 10m.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree within area of significant cut. Tree may be transplanted elsewhere on site. Alternatively, existing levels will need to be maintained to avoid root loss and impacts of soil modification.	Retain - generic plus	Transplant tree or modify desing to avoid conflicts due to bulk earthworks and permanent infrastructure.
130	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	1	28.46	34	3.4	36.6	2.1	4	3	Good	Poor	Mature	Short (5-15)	Epicormic shoots, Poor pruning	Historically topped.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
131	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	15.1	15	2.0	12.6	1.5	3	5	Good	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Crossing/rubbing branches, Suppressed		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
132	<i>Corymbia gummifera</i>	Red bloodwood	1	32	54	3.8	46.3	2.6	12	6	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Weak attachments	Poorly formed first order branch attachment at four metres.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
133	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	27.6	44	3.3	34.5	2.3	5	6	Good	Poor	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Included bark	First order stem originating from ground level.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
134	<i>Acacia longifolia</i>	Sydney Golden Wattle	1	12.04	15	2.0	12.6	1.5	3	4	Good	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
135	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	52	62	6.2	122.3	2.7	12	10	Good	Fair	Semi-mature	Medium (15-40)	Poor pruning, Wound(s), Suppressed, Asymmetrical crown		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
136	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	150	160	15.0	706.9	4.0	20	22	Good	Good	Mature	Medium (15-40)	Included bark, Root scalping, Deadwood moderate (3-10cm diameter), Co-dominant stems	Multiple stems origination from trunk at 1m from ground level.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
137	Melaleuca quinquenervia	Broad-leaved Paperbark	1	70	84	8.4	221.7	3.1	19	8	Good	Fair	Semi-mature	Medium (15-40)	Root scalping, Suppressed, Asymmetrical crown, Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
138	Melaleuca quinquenervia	Broad-leaved Paperbark	1	91	95	10.9	374.6	3.2	20	15	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Asymmetrical crown, Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
139	Melaleuca quinquenervia	Broad-leaved Paperbark	1	46	48	5.5	95.7	2.4	16	8	Good	Fair	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Co-dominant stems, Suppressed, Asymmetrical crown		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
140	Casuarina cunningghamiana	River Sheoak	1	75	100	9.0	254.5	3.3	20	17	Good	Good	Mature	Medium (15-40)	Crossing/rubbing branches, Co-dominant stems, Deadwood moderate (3-10cm diameter)		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
141	Casuarina cunningghamiana	River Sheoak	1	60	80	7.2	162.9	3.0	20	16	Good	Poor	Mature	Short (5-15)	Resin/kino/sap flow, Cavity, Previous failure(s), Suppressed, Asymmetrical crown	Central stem has previously failed resulting in a cavity. Remaining stem has an asymmetrical canopy with a northern bias.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
142	Eucalyptus camaldulensis	River Red Gum	1	75	95	9.0	254.5	3.2	10	10	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood major (>10cm diameter), Asymmetrical crown		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
143	Melaleuca quinquenervia	Broad-leaved Paperbark	1	123.22	150	14.8	686.9	3.9	15	10	Good	Fair	Mature	Medium (15-40)	Previous failure(s), Included bark, Cavity, Wound(s), Co-dominant stems	Trunk wound due to historic removal of eastern stem. Cavity present on the northern stem with cavity opening on the south-eastern side of the stem at 1m above ground level.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 14.28%, Stormwater: 0.20% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
144	Melaleuca quinquenervia	Broad-leaved Paperbark	1	81.77	95	9.8	302.5	3.2	17	15	Fair	Fair	Mature	Medium (15-40)	Root scalping, Included bark, Poor pruning, Hanger(s), Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 32.32%, Stormwater: 3.03% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
145	Melaleuca quinquenervia	Broad-leaved Paperbark	1	113.17	100	13.6	579.4	3.3	16	15	Good	Fair	Mature	Medium (15-40)	Poor pruning, Included bark, Root scalping, Co-dominant stems, Asymmetrical crown		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 53.97%, Stormwater: 4.84% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
146	Melaleuca quinquenervia	Broad-leaved Paperbark	1	46.1	42	5.5	96.1	2.3	7	8	Good	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Root scalping, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 75.46% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
147	Melaleuca quinquenervia	Broad-leaved Paperbark	1	98.27	98	11.8	436.9	3.3	10	15	Good	Poor	Mature	Medium (15-40)	Root scalping, Partial failure, Asymmetrical crown, Co-dominant stems	Historic partial failure of the northern stems.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 77.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
148	Melaleuca quinquenervia	Broad-leaved Paperbark	1	53	51	6.4	127.1	2.5	8	7	Fair	Fair	Semi-mature	Medium (15-40)	Hanger(s), Previous failure(s), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 77.17% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
149	Melaleuca quinquenervia	Broad-leaved Paperbark	1	94.01	90	11.3	399.8	3.2	12	14	Good	Good	Mature	Long (>40)	Root scalping, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 79.02% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
150	Melaleuca quinquenervia	Broad-leaved Paperbark	1	62	76	7.4	173.9	2.9	12	14	Good	Good	Mature	Long (>40)	Co-dominant stems, Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 84.75% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
151	Callistemon sp.	Bottlebrush	1	5.83	17	2.0	12.6	1.6	3	2	Poor	Poor	Juvenile	Short (5-15)	Crossing/rubbing branches, Excessively thin crown density		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 84.01% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
152	Melaleuca linariifolia	Snow-in-summer	1	55.39	53	6.6	138.8	2.5	6	8	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Wound(s), Previous failure(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 91.60% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
153	Melaleuca quinquenervia	Broad-leaved Paperbark	1	48.88	50	5.9	108.1	2.5	6	8	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 87.22%, Stormwater: 12.20% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
154	Melaleuca quinquenervia	Broad-leaved Paperbark	1	96	100	11.5	416.9	3.3	17	18	Good	Good	Mature	Medium (15-40)	Root scalping, Co-dominant stems, Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 72.65%, Stormwater: 4.81% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
155	Eucalyptus cladocalyx	Sugar Gum	1	33.3	39	4.0	50.2	2.2	6	7	Fair	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Deadwood moderate (3-10cm diameter), Resin/kino/sap flow, Wood borer, Wound(s)	Significant borer damage on lower trunk.	Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00%, Stormwater: 9.30% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
156	Melaleuca quinquenervia	Broad-leaved Paperbark	1	82	83	9.8	304.2	3.1	17	12	Good	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Root scalping, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 3.50% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
157	Melaleuca quinquenervia	Broad-leaved Paperbark	1	80.11	84	9.6	290.3	3.1	17	12	Fair	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Dieback, Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 8.33% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
158	Pinus pinaster	Maritime Pine	1	14.07	21	2.0	12.6	1.7	3	3	Fair	Good	Juvenile	Short (5-15)	Wound(s)	Basal wounds presumed to be from mechanical damage on 70% of circumferential trunk area.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
159	Melaleuca quinquenervia	Broad-leaved Paperbark	1	95.52	94	11.5	412.8	3.2	17	15	Good	Fair	Mature	Medium (15-40)	Root scalping, Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 20.56% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
160	Melaleuca quinquenervia	Broad-leaved Paperbark	1	103.94	110	12.5	488.7	3.4	16	15	Fair	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Root scalping, Included bark, Co-dominant stems, Dieback		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
161	Melaleuca quinquenervia	Broad-leaved Paperbark	1	55	56	6.6	136.8	2.6	9	12	Good	Good	Semi-mature	Medium (15-40)	Included bark, Root scalping, Deadwood minor (<3cm diameter), Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 20.31% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
162	Callistemon viminalis	Weeping Bottlebrush	1	21.93	40	2.6	21.8	2.3	5	5	Good	Poor	Semi-mature	Short (5-15)	Wound(s), Co-dominant stems	Significant historic basal wound, presumed to be from mechanical damage.	Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
163	Melaleuca quinquenervia	Broad-leaved Paperbark	1	60.56	62	7.3	165.9	2.7	14	12	Good	Fair	Semi-mature	Medium (15-40)	Root scalping, Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 1.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
164	Melaleuca quinquenervia	Broad-leaved Paperbark	1	87.94	93	10.6	349.9	3.2	13	12	Good	Fair	Mature	Medium (15-40)	Root scalping, Deadwood moderate (3-10cm diameter), Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 37.60% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
165	Melaleuca bracteata	Black Tea Tree	1	28	43	3.4	35.5	2.3	6	5	Good	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Wound(s)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
166	Melaleuca quinquenervia	Broad-leaved Paperbark	1	119.19	170	14.3	642.7	4.1	19	20	Good	Fair	Mature	Medium (15-40)	Root scalping, Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 65.87%, Stormwater: 3.75% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
167	Melaleuca quinquenervia	Broad-leaved Paperbark	1	53	53	6.4	127.1	2.5	8	7	Good	Fair	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 0.05% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
168	Agonis flexuosa	Willow Myrtle	1	172.05	185	15.0	706.9	4.3	10	16	Good	Poor	Mature	Short (5-15)	Decay, Included bark, Co-dominant stems, Cavity, Previous failure(s)	Previous historic failures of first-order branches, historic partial failure of main stems and several cavities. The tree is of a significant size and age for the species.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 39.43% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
169	Melaleuca quinquenervia	Broad-leaved Paperbark	1	110	115	13.2	547.4	3.5	14	16	Good	Good	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 62.70%, Stormwater: 4.79% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
170	Pinus canariensis	Canary Islands Pine	1	65	85	7.8	191.1	3.1	16	10	Good	Good	Mature	Medium (15-40)	Previous failure(s), Deadwood moderate (3-10cm diameter)		Protected	Exotic	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 53.55% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
171	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	96.43	110	11.6	420.7	3.4	13	10	Good	Good	Semi-mature	Long (>40)	Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 72.14%, Stormwater: 6.09% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
172	<i>Agonis flexuosa</i>	Willow Myrtle	1	82.77	150	9.9	309.9	3.9	8	12	Good	Poor	Mature	Short (5-15)	Deadwood major (>10cm diameter), Cavity, Significant fault - bark inclusion(s), Decay, Co-dominant stems, Partial failure	Multiple significant structural concerns with partial failure of first-order branches and of the primary co-dominant union.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 62.19%, Stormwater: 7.07% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
173	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	86	82	10.3	334.6	3.0	14	10	Good	Good	Semi-mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 8.48%, Stormwater: 3.10% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
174	<i>Agonis flexuosa</i>	Willow Myrtle	1	87.81	100	10.5	348.8	3.3	5	7	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Included bark, Crossing/rubbing branches		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
175	<i>Cupaniopsis anacardioides</i>	Tuckeroo	1	16.97	25	2.0	13.0	1.8	6	6	Good	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Poor pruning, Suppressed, Asymmetrical crown	Poorly structured tree due to suppression from adjacent trees.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
176	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	103.36	115	12.4	483.3	3.5	15	14	Good	Good	Mature	Medium (15-40)	Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 99.87%): Bulk Earthworks: 82.13%, Road/builtform: 76.13% (Encroachment enters the SRZ)	Y	99.87	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
177	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	31.76	40	3.8	45.6	2.3	8	7	Good	Fair	Semi-mature	Medium (15-40)	Suppressed, Asymmetrical crown, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 80.04%, Road/builtform: 80.04% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
178	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	73.93	95	8.9	247.3	3.2	15	14	Good	Good	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems	Ficus sp. growing within primary stem union.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 93.90%): Bulk Earthworks: 63.85%, Road/builtform: 61.88% (Encroachment enters the SRZ)	Y	93.9	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
179	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	69.64	60	8.4	219.4	2.7	12	12	Good	Fair	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 25.11%): Bulk Earthworks: 25.11%, Road/builtform: 24.19%	N	25.11	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
180	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	70.6	66	8.5	225.5	2.8	10	12	Good	Fair	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 29.86%): Bulk Earthworks: 29.86%, Road/builtform: 4.78%	N	29.86	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
181	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	43	59	5.2	83.6	2.7	11	10	Good	Poor	Semi-mature	Medium (15-40)	Hanger(s), Previous failure(s), Epicormic shoots	Previous failures of three central stems in the upper crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
182	<i>Callistemon citrinus</i>	Crimson Bottlebrush	1	13.38	18	2.0	12.6	1.6	3	3	Good	Fair	Juvenile	Medium (15-40)	Co-dominant stems		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 24.09% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
183	<i>Eucalyptus</i> sp.	Eucalypt	1	110	135	13.2	547.4	3.8	20	22	Good	Fair	Mature	Medium (15-40)	Deadwood major (>10cm diameter), Wood borer, Wound(s)	Wounds with borer damage observed on the trunk. Large wound on the western side of the trunk, good response growth.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 59.43%, Stormwater: 3.57% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
184	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	58	58	7.0	152.2	2.6	18	13	Good	Good	Mature	Medium (15-40)	Included bark, Co-dominant stems, Epicormic shoots, Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
185	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	100	100	12.0	452.4	3.3	16	18	Poor	Poor	Mature	Short (5-15)	Previous failure(s), Co-dominant stems, Epicormic shoots, Deadwood major (>10cm diameter)	Eastern side has died. Majority of the canopy is epicormic growth.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
186	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	30	47	3.6	40.7	2.4	5	5	Good	Poor	Semi-mature	Short (5-15)	Included bark, Partial failure, Crossing/rubbing branches, Co-dominant stems, Previous failure(s)		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
187	<i>Callistemon citrinus</i>	Crimson Bottlebrush	1	10.39	19	2.0	12.6	1.6	3	3	Fair	Poor	Juvenile	Short (5-15)	Crossing/rubbing branches, Co-dominant stems		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
188	<i>Casuarina cunninghamiana</i>	River Sheoak	1	42	52	5.0	79.8	2.5	14	10	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
189	<i>Casuarina cunninghamiana</i>	River Sheoak	1	69	83	8.3	215.4	3.1	18	12	Good	Fair	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
190	<i>Casuarina cunninghamiana</i>	River Sheoak	1	43	50	5.2	83.6	2.5	16	9	Good	Good	Semi-mature	Medium (15-40)			Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
191	<i>Casuarina cunninghamiana</i>	River Sheoak	1	50	60	6.0	113.1	2.7	15	10	Good	Fair	Mature	Medium (15-40)	Previous failure(s), Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
192	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	51	57	6.1	117.7	2.6	11	8	Good	Poor	Semi-mature	Short (5-15)	Hanger(s), Previous failure(s), Co-dominant stems, Significant fault - bark inclusion(s) Suppressed, Asymmetrical crown, Co-dominant stems, Included bark		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
193	<i>Leptospermum petersonii</i>	Lemon-scented Tea Tree	1	26.34	31	3.2	31.4	2.0	5	5	Good	Fair	Semi-mature	Short (5-15)			Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
194	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	43	52	5.2	83.6	2.5	14	10	Good	Good	Semi-mature	Medium (15-40)	Root scalping, Deadwood minor (<3cm diameter), Epicormic shoots, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
195	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	44	47	5.3	87.6	2.4	15	7	Good	Poor	Semi-mature	Short (5-15)	Root scalping, Included bark, Co-dominant stems, Previous failure(s)	Previous failure of co-dominant stem resulted in a large trunk wound.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
196	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	44	48	5.3	87.6	2.4	14	10	Good	Good	Semi-mature	Medium (15-40)	Epicormic shoots, Included bark, Co-dominant stems, Root scalping		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
197	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	88	94	10.6	350.3	3.2	20	23	Good	Good	Mature	Medium (15-40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Wound(s), Poor pruning, Epicormic shoots, Root scalping, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
198	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	80	94	9.6	289.5	3.2	15	16	Good	Good	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
199	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	77	74	9.2	268.2	2.9	13	15	Good	Fair	Mature	Medium (15-40)	Previous failure(s), Root scalping, Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 2.54% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
200	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	71	81	8.5	228.0	3.0	16	14	Good	Good	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Previous failure(s), Included bark, Co-dominant stems, Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 40.32% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
201	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	42.44	46	5.1	81.5	2.4	13	8	Good	Fair	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 69.77% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
202	<i>Casuarina glauca</i>	Swamp Sheoak	1	58	73	7.0	152.2	2.9	17	12	Good	Poor	Mature	Short (5-15)	Included bark, Wound(s), Co-dominant stems, Previous failure(s), Asymmetrical crown	Previous failure or co-dominant stem resulted in a large trunk wound.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 76.73% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
203	<i>Casuarina glauca</i>	Swamp Sheoak	1	53	73	6.4	127.1	2.9	19	14	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 74.30%, Stormwater: 9.46% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
204	<i>Casuarina glauca</i>	Swamp Sheoak	1	44	54	5.3	87.6	2.6	17	11	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 0.75% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
205	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	65	60	7.8	191.1	2.7	15	14	Good	Good	Semi-mature	Medium (15-40)	Included bark, Co-dominant stems, Wound(s), Root scalping		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 28.28% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
206	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	53	61	6.4	127.1	2.7	14	15	Good	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Wound(s), Root scalping, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 43.37% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
207	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	52	63	6.2	122.3	2.7	15	15	Good	Fair	Semi-mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%); Bulk Earthworks: 100.00%, Road/builtform: 14.26% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
208	<i>Casuarina glauca</i>	Swamp Sheoak	1	41	50	4.9	76.0	2.5	18	12	Good	Fair	Semi-mature	Medium (15-40)	Wound(s), Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
209	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	20	34	2.4	18.1	2.1	4	5	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Wound(s), Co-dominant stems		Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
210	<i>Casuarina glauca</i>	Swamp Sheoak	1	39	52	4.7	68.8	2.5	20	11	Good	Good	Semi-mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
211	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	96.04	83	11.5	417.3	3.1	16	15	Good	Good	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
212	<i>Casuarina glauca</i>	Swamp Sheoak	1	44	61	5.3	87.6	2.7	16	10	Good	Fair	Semi-mature	Medium (15-40)	Root scalping, Previous failure(s), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
213	<i>Casuarina glauca</i>	Swamp Sheoak	1	34	43	4.1	52.3	2.3	12	7	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
214	<i>Casuarina glauca</i>	Swamp Sheoak	1	43	55	5.2	83.6	2.6	16	10	Good	Fair	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
215	<i>Araucaria cunninghamii</i>	Hoop Pine	1	64	75	7.7	185.3	2.9	19	12	Good	Good	Semi-mature	Long (>40)	Previous failure(s), Deadwood minor (<3cm diameter)		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
216	<i>Casuarina glauca</i>	Swamp Sheoak	1	60	68	7.2	162.9	2.8	18	13	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
217	<i>Araucaria cunninghamii</i>	Hoop Pine	1	38	50	4.6	65.3	2.5	16	10	Good	Good	Semi-mature	Medium (15-40)			Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
218	<i>Pinus sp.</i>	Pine	1	48	55	5.8	104.2	2.6	10	7	Poor	Poor	Semi-mature	Short (5-15)	Deadwood major (>10cm diameter), Asymmetrical crown, Crossing/rubbing branches, Co-dominant stems, Suppressed		Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
219	<i>Pinus sp.</i>	Pine	1	37	41	4.4	61.9	2.3	10	8	Fair	Poor	Semi-mature	Short (5-15)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Asymmetrical crown		Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
220	<i>Pinus sp.</i>	Pine	1	29	35	3.5	38.0	2.1	10	8	Poor	Fair	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Wound(s), Excessively thin crown density		Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
221	<i>Ficus macrophylla</i>	Moreton Bay Fig	1	330	450	15.0	706.9	6.2	25	28	Good	Fair	Mature	Long (>40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Poor pruning, Previous failure(s), Resin/kino/sap flow, Wound(s)	Lower northern and eastern stems have been lopped. Located along the ridgeline overlooking the car park - prominent tree within the landscape. Candidate for transplanting.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree within area of significant cut. Tree may be transplanted elsewhere on site. Alternatively, existing levels will need to be maintained to avoid root loss and impacts of soil modification.	Retain - generic plus	Transplant tree or modify desing to avoid conflicts due to bulk earthworks and permanent infrastructure.
222	<i>Callistemon salignus</i>	White Bottlebrush	1	15.81	29	2.0	12.6	2.0	5	3	Fair	Fair	Mature	Short (5-15)	Asymmetrical root plate, Constrained growing environment, Crossing/rubbing branches, Deadwood major (>10cm diameter), Dieback, Epicormic shoots, Wound(s)	Positioned in a thin gardenbed. Western crown is beginning to decline.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
223	<i>Platycladus orientalis</i>	Chinese Arborvitae	1	10.77	17	2.0	12.6	1.6	3	2	Good	Fair	Mature	Short (5-15)	Asymmetrical root plate, Co-dominant stems, Constrained growing environment, Included bark	Positioned within a thin gardenbed.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
224	<i>Chamaecyparis obtusa</i>	Hinoki Cypress	1	25	27	3.0	28.3	1.9	7	5	Good	Fair	Mature	Short (5-15)	Asymmetrical root plate, Constrained growing environment, Epicormic shoots, Hanger(s), Partial failure	Positioned in a small gardenbed, hard pressed against the adjacent building.	Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
225	<i>Dracaena marginata</i>	Dragon Tree	1	31.84	80	3.8	45.9	3.0	4	3	Good	Fair	Mature	Short (5-15)	Co-dominant stems, Constrained growing environment	Positioned within a thin gardenbed in which it has outgrown. Repeatedly topped.	Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
226	<i>Dracaena marginata</i>	Dragon Tree	1	27.17	95	3.3	33.4	3.2	4	3	Good	Fair	Mature	Short (5-15)	Asymmetrical root plate, Co-dominant stems, Constrained growing environment, Damaging infrastructure, Poor pruning	Positioned within a thin gardenbed in which it has outgrown. Repeatedly topped.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
227	<i>Juniperus sp.</i>	Juniper	1	30	45	3.6	40.7	2.4	5	3	Good	Fair	Mature	Short (5-15)	Co-dominant stems, Constrained growing environment	Growing along the edge of an elevated sandstone retaining wall.	Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
228	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	30	0	3.6	40.7		11	3	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
229	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	22	0	2.6	21.9		11	5	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed	Codominant with an adjacent tree.	Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
230	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	23	0	2.8	23.9		12	5	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed	Codominant with an adjacent tree.	Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
231	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	35	0	4.2	55.4		12	5	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed, Hanger(s)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
232	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	27	0	3.2	33.0		12	5	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
233	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	31	0	3.7	43.5		11	5	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
234	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	33	0	4.0	49.3		12	5	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
235	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	42	0	5.0	79.8		10	5	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed, Hanger(s)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
236	<i>Archontophoeni x cunninghamiana</i>	Bangalow Palm	1	22	0	2.6	21.9		8	2	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
237	<i>Archontophoeni x cunninghamiana</i>	Bangalow Palm	1	23	0	2.8	23.9		8	3	Good	Good	Semi-mature	Medium (15-40)			Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
238	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	29	0	3.5	38.0		8	5	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
239	<i>Dypsis lutescens</i>	Golden Cane Palm	1	11.18	0	2.0	12.6		4	3	Good	Good	Semi-mature	Short (5-15)	Co-dominant stems, Suppressed		Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
240	<i>Dypsis lutescens</i>	Golden Cane Palm	1	11.18	0	2.0	12.6		5	3	Good	Good	Semi-mature	Short (5-15)	Co-dominant stems, Suppressed		Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
241	<i>Dypsis lutescens</i>	Golden Cane Palm	1	10	0	2.0	12.6		3	2	Fair	Good	Semi-mature	Short (5-15)	Co-dominant stems, Suppressed		Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
242	<i>Ficus macrophylla</i>	Moreton Bay Fig	1	320	435	15.0	706.9	6.1	20	27	Good	Good	Mature	Long (>40)	Cavity, Co-dominant stems, Deadwood major (>10cm diameter), Mechanical damage, Partial failure, Root damage - minor, Wound(s)		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree within area of significant cut. Tree may be transplanted elsewhere on site. Alternatively, existing levels will need to be maintained to avoid root loss and impacts of soil modification.	Retain - generic plus	Transplant tree or modify desing to avoid conflicts due to bulk earthworks and permanent infrastructure.
243	<i>Dypsis lutescens</i>	Golden Cane Palm	1	11.18	0	2.0	12.6		5	4	Good	Good	Semi-mature	Short (5-15)	Co-dominant stems, Suppressed		Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
244	<i>Ficus macrophylla</i>	Moreton Bay Fig	1	160	179	15.0	706.9	4.2	16	22	Good	Fair	Mature	Long (>40)	Asymmetrical crown, Cavity, Crossing/rubbing branches, Deadwood major (>10cm diameter), Poor pruning, Wound(s)	Located within the main carpark and a prominent tree within the landscape. Candidate for transplanting.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 3.73% (Encroachment enters the SRZ)	Y	100	Major	Tree within area of significant cut. Tree may be transplanted elsewhere on site. Alternatively, existing levels will need to be maintained to avoid root loss and impacts of soil modification.	Retain - generic plus	Transplant tree or modify desing to avoid conflicts due to bulk earthworks and permanent infrastructure.
245	<i>Ficus macrophylla</i>	Moreton Bay Fig	1	97	115	11.6	425.7	3.5	12	13	Fair	Good	Senescent	Medium (15-40)	Asymmetrical crown, Deadwood major (>10cm diameter), Decay, Epicormic shoots, Wound(s)	Reduced foliage size and density for this tree species. Large pruning wounds with decay. Historically significant tree in a local context.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 56.94%, Foreshore landscape: 54.01%, Road/builtform: 31.88% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
246	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	31	0	3.7	43.5		8	4	Good	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Foreshore landscape: 20.60%, Road/builtform: 84.63% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
247	<i>Ficus benjamina</i>	Weeping Fig	1	76.27	75	9.2	263.2	2.9	9	10	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood minor (<3cm diameter), Included bark		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 76.09%, Foreshore landscape: 37.17%, Road/builtform: 39.96% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
248	<i>Ficus benjamina</i>	Weeping Fig	1	39.05	61	4.7	69.0	2.7	9	8	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark	Northern crown <2 metres above the roadway.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Foreshore landscape: 3.52%, Road/builtform: 49.43% (Encroachment enters the SRZ)	Y	100	Major	Tree within area of significant cut. Tree may be transplanted elsewhere on site. Alternatively, existing levels will need to be maintained to avoid root loss and impacts of soil modification.	Remove - project impacts	Transplant tree or modify desing to avoid conflicts due to bulk earthworks and permanent infrastructure.
249	<i>Ficus benjamina</i>	Weeping Fig	1	33.85	43	4.1	51.8	2.3	9	7	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Decay	Dysfunction spreading from and old pruning stub.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 34.09% (Encroachment enters the SRZ)	Y	100	Major	Tree within area of significant cut. Tree may be transplanted elsewhere on site. Alternatively, existing levels will need to be maintained to avoid root loss and impacts of soil modification.	Remove - project impacts	Transplant tree or modify desing to avoid conflicts due to bulk earthworks and permanent infrastructure.
250	<i>Ficus benjamina</i>	Weeping Fig	1	36.07	41	4.3	58.9	2.3	6	7	Fair	Poor	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Epicormic shoots, Included bark, Poor pruning		Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 35.11% (Encroachment enters the SRZ)	Y	100	Major	Tree within area of significant cut. Tree may be transplanted elsewhere on site. Alternatively, existing levels will need to be maintained to avoid root loss and impacts of soil modification.	Remove - project impacts	Transplant tree or modify desing to avoid conflicts due to bulk earthworks and permanent infrastructure.
251	<i>Cupressus sempervirens</i>	Mediterranean Cypress	1	24	28	2.9	26.1	1.9	9	2	Good	Good	Mature	Medium (15-40)	Constrained growing environment	Situated in a small raised gardenbed surrounding by hardstands.	Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
252	<i>Syzygium smithii</i>	Common Lilly Pilly	1	33.97	25	4.1	52.2	1.8	10	6	Good	Fair	Mature	Medium (15-40)	Included bark, Wound(s)	Minor pruning wounds between the included main branch junction.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
253	<i>Banksia serrata</i>	Saw-tooth Banksia	1	27.82	43	3.3	35.0	2.3	6	5	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Decay, Included bark, Wound(s)	Codominant from ground level. Basal wound with decay.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
254	<i>Callistemon citrinus</i>	Crimson Bottlebrush	3	11.14	16	2.0	12.6	1.5	4	8	Good	Fair	Semi-mature	Short (5-15)	Included bark, Poor pruning	Linear row of three trees. Central tree tagged.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
255	<i>Photinia robusta</i>	Red Leaf Photinia	4	15.03	23	2.0	12.6	1.8	3	6	Fair	Fair	Mature	Short (5-15)	Epicormic shoots, Poor pruning, Wound(s)	Linear row of four trees. Historically topped.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
256	<i>Ulmus parvifolia</i>	Chinese Elm	1	65.07	70	7.8	191.5	2.8	9	15	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Decay, Previous failure(s), Wound(s)	Historic pruning wounds developing into cavities.	Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 7.02% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
257	<i>Strelitzia nicolai</i>	Giant Bird of Paradise	1	40	0	4.8	72.4		5	7	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems		Protected	Exotic	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
258	<i>Casuarina glauca</i>	Swamp Sheoak	1	33	40	4.0	49.3	2.3	12	6	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Suppressed		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
259	Casuarina glauca	Swamp Sheoak	1	30	41	3.6	40.7	2.3	16	6	Good	Poor	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark	Included branch junction which appears to have partially seperated.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
260	Ficus macrophylla	Moreton Bay Fig	1	161	226	15.0	706.9	4.7	23	16	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Poor pruning, Previous failure(s), Wound(s)	Prominent tree within the local landscape. Historically lopped at six metres.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
261	Ficus macrophylla	Moreton Bay Fig	1	161	227	15.0	706.9	4.7	20	19	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Poor pruning, Previous failure(s), Wound(s)	Prominent tree within the local landscape. Historically lopped at eight metres.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
262	Corymbia gummifera	Red bloodwood	1	30	35	3.6	40.7	2.1	11	8	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Previous failure(s), Wound(s)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
263	Casuarina glauca	Swamp Sheoak	1	49	56	5.9	108.6	2.6	17	12	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Epicormic shoots, Included bark, Previous failure(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
264	Casuarina glauca	Swamp Sheoak	1	65.3	90	7.8	192.9	3.2	18	13	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Previous failure(s), Included bark, Co-dominant stems, Over-extended branch(es)	Co-dominant from ground level. Over-extended first-order branch in the eastern canopy.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
265	Casuarina glauca	Swamp Sheoak	1	51	59	6.1	117.7	2.7	16	8	Good	Poor	Mature	Short (5-15)	Co-dominant stems, Included bark, Wound(s), Root scalping, Mechanical damage, Crossing/rubbing branches, Previous failure(s)		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
266	Casuarina glauca	Swamp Sheoak	1	60	80	7.2	162.9	3.0	20	14	Good	Fair	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems, Wound(s), Previous failure(s), Asymmetrical crown	Assymetrical crown with a northern bias. Previous failure of first order branch in the lower north-eastern crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
267	Casuarina glauca	Swamp Sheoak	1	49.24	64	5.9	109.7	2.7	20	12	Good	Good	Mature	Medium (15-40)	Poor pruning, Co-dominant stems, Previous failure(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
268	Casuarina glauca	Swamp Sheoak	1	62.24	90	7.5	175.2	3.2	18	12	Good	Fair	Mature	Medium (15-40)	Partial failure, Deadwood moderate (3-10cm diameter), Hanger(s), Included bark, Co-dominant stems	Co-dominant from ground level. Partial failure of second-order branch in the eastern crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
269	Casuarina glauca	Swamp Sheoak	1	39	49	4.7	68.8	2.5	18	8	Good	Good	Mature	Medium (15-40)	Suppressed, Deadwood minor (<3cm diameter), Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
270	Lagunaria patersonii	Pyramid Tree	1	42	46	5.0	79.8	2.4	15	8	Good	Good	Semi-mature	Medium (15-40)	Included bark, Suppressed, Asymmetrical crown, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
271	Casuarina glauca	Swamp Sheoak	1	47	58	5.6	99.9	2.6	18	11	Good	Fair	Mature	Medium (15-40)	Wound(s), Resin/kino/sap flow, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
272	Casuarina glauca	Swamp Sheoak	1	66	84	7.9	197.1	3.1	18	12	Good	Fair	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Mechanical damage, Wound(s), Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
273	Casuarina glauca	Swamp Sheoak	1	65	74	7.8	191.1	2.9	17	11	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Included bark, Root scalping		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
274	Casuarina glauca	Swamp Sheoak	1	49	66	5.9	108.6	2.8	17	10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Asymmetrical crown		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
275	Casuarina glauca	Swamp Sheoak	1	54	67	6.5	131.9	2.8	18	11	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark Suppressed, Asymmetrical crown,		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
276	Casuarina glauca	Swamp Sheoak	1	44	51	5.3	87.6	2.5	16	8	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
277	Casuarina glauca	Swamp Sheoak	1	53	63	6.4	127.1	2.7	18	10	Good	Good	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
278	Melaleuca quinquenervia	Broad-leaved Paperbark	1	33.24	50	4.0	50.0	2.5	13	8	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Mechanical damage, Wound(s), Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
279	Casuarina glauca	Swamp Sheoak	1	74	88	8.9	247.7	3.1	18	14	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Co-dominant stems, Included bark	Multiple inclusions thought the crown on first-order branches and stems.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
280	Casuarina glauca	Swamp Sheoak	1	39.66	68	4.8	71.2	2.8	17	11	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
281	Casuarina glauca	Swamp Sheoak	1	77	83	9.2	268.2	3.1	18	12	Good	Fair	Mature	Medium (15-40)	Over-extended branch(es), Previous failure(s), Included bark, Co-dominant stems	Over extended first-order branch in the lower south-western canopy. Inclusion of primary co-dominant union.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
282	Casuarina glauca	Swamp Sheoak	1	90	100	10.8	366.4	3.3	18	14	Good	Good	Mature	Medium (15-40)	Included bark, Over-extended branch(es), Co-dominant stems	Over-extended first-order branch in the lower western canopy.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 1.38% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
283	Populus nigra 'italica'	Lombardy Poplar	1	75	90	9.0	254.5	3.2	19	6	Good	Poor	Mature	Short (5-15)	Previous failure(s), Deadwood major (>10cm diameter), Wound(s), Root scalping, Resin/kino/sap flow, Cavity	Inspected during deciduous period. Cavity present within the basal area, several wounds on the trunk with staining.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 17.49% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
284	Melaleuca quinquenervia	Broad-leaved Paperbark	1	123.9	150	14.9	694.5	3.9	18	18	Good	Fair	Mature	Medium (15-40)	Root scalping, Wound(s), Co-dominant stems, Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 38.52%, Stormwater: 3.10% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
285	Melaleuca quinquenervia	Broad-leaved Paperbark	1	73	82	8.8	241.1	3.0	16	12	Good	Good	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 84.85%, Stormwater: 9.80% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
286	Melaleuca quinquenervia	Broad-leaved Paperbark	1	128.69	150	15.0	706.9	3.9	16	18	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Wound(s), Included bark, Deadwood minor (<3cm diameter), Root scalping, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 57.78%, Stormwater: 0.84% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
287	Melaleuca quinquenervia	Broad-leaved Paperbark	1	105	110	12.6	498.8	3.4	17	16	Good	Fair	Mature	Medium (15-40)	Root scalping, Wound(s), Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 8.80% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
288	Melaleuca quinquenervia	Broad-leaved Paperbark	1	77	88	9.2	268.2	3.1	15	14	Good	Fair	Mature	Medium (15-40)	Root scalping, Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
289	Melaleuca quinquenervia	Broad-leaved Paperbark	1	72	78	8.6	234.5	3.0	15	15	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Root scalping, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
290	Melaleuca quinquenervia	Broad-leaved Paperbark	1	77	72	9.2	268.2	2.9	11	14	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
291	Schinus molle var. areira	Pepper Tree	1	56.22	79	6.7	143.0	3.0	11	15	Good	Fair	Mature	Medium (15-40)	Wound(s), Root scalping, Deadwood moderate (3-10cm diameter), Crossing/rubbing branches, Co-dominant stems		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
292	Melaleuca quinquenervia	Broad-leaved Paperbark	1	92.66	90	11.1	388.4	3.2	15	14	Good	Fair	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
293	Melaleuca quinquenervia	Broad-leaved Paperbark	1	33.67	37	4.0	51.3	2.2	6	7	Good	Good	Semi-mature	Short (5-15)	Included bark, Co-dominant stems, Suppressed, Mechanical damage, Wound(s)	Basal wound presumed to be mechanical damage has impacted the majority of trunk circumferential area.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
294	Melaleuca quinquenervia	Broad-leaved Paperbark	1	82	100	9.8	304.2	3.3	17	15	Good	Fair	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
295	Melaleuca quinquenervia	Broad-leaved Paperbark	1	69	83	8.3	215.4	3.1	17	15	Good	Good	Mature	Medium (15-40)	Root scalping, Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
296	Melaleuca quinquenervia	Broad-leaved Paperbark	1	90	82	10.8	366.4	3.0	16	15	Good	Good	Mature	Medium (15-40)	Included bark, Co-dominant stems, Root scalping, Wound(s)		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
297	Melaleuca quinquenervia	Broad-leaved Paperbark	1	94	110	11.3	399.7	3.4	18	15	Good	Fair	Mature	Medium (15-40)	Root scalping, Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
298	Melaleuca quinquenervia	Broad-leaved Paperbark	1	90	105	10.8	366.4	3.4	18	15	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Wound(s), Included bark, Root scalping, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
299	Melaleuca quinquenervia	Broad-leaved Paperbark	1	75	82	9.0	254.5	3.0	17	14	Good	Good	Mature	Medium (15-40)	Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
300	Melaleuca quinquenervia	Broad-leaved Paperbark	1	76	75	9.1	261.3	2.9	18	12	Good	Fair	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 9.74% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
301	Melaleuca quinquenervia	Broad-leaved Paperbark	1	103.08	95	12.4	480.7	3.2	17	14	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 39.25% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
302	Corymbia gummifera	Red bloodwood	1	38	45	4.6	65.3	2.4	9	8	Good	Fair	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Resin/kino/sap flow, Asymmetrical crown, Wood borer, Wound(s)	Basal wound with borer damage present.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 85.06% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
303	Melaleuca quinquenervia	Broad-leaved Paperbark	1	28	33	3.4	35.5	2.1	5	6	Good	Good	Semi-mature	Short (5-15)	Mechanical damage, Included bark, Co-dominant stems, Wound(s)	Basal wounding around majority of circumferential area.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 85.16% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
304	Callistemon salignus	White Bottlebrush	1	44	46	5.3	87.6	2.4	10	8	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Crossing/rubbing branches, Included bark, Poor pruning		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 99.74%): Bulk Earthworks: 98.89%, Road/builtform: 23.85% (Encroachment enters the SRZ)	Y	99.74	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
305	Melaleuca quinquenervia	Broad-leaved Paperbark	1	114.15	100	13.7	589.5	3.3	17	16	Good	Good	Mature	Medium (15-40)	Root scalping, Co-dominant stems, Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 93.85%): Bulk Earthworks: 93.85%, Road/builtform: 46.33% (Encroachment enters the SRZ)	Y	93.85	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
306	Melaleuca quinquenervia	Broad-leaved Paperbark	1	91.68	100	11.0	380.2	3.3	15	15	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Root scalping, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 86.48% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
307	Callistemon viminalis	Weeping Bottlebrush	1	14	22	2.0	12.6	1.8	3	3	Good	Fair	Semi-mature	Medium (15-40)	Leaf feeding insect, Dieback, Co-dominant stems		Protected	Native	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
308	Callistemon viminalis	Weeping Bottlebrush	1	34.29	40	4.1	53.2	2.3	4	5	Fair	Fair	Semi-mature	Short (5-15)	Previous failure(s), Included bark, Co-dominant stems, Dieback, Deadwood minor (<3cm diameter)		Protected	Native	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
309	Leptospermum laevigatum	Coastal Tea Tree	1	49	50	5.9	108.6	2.5	6	6	Fair	Fair	Mature	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Asymmetrical crown		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 99.99% (Encroachment enters the SRZ)	Y	99.99	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
310	Leptospermum laevigatum	Coastal Tea Tree	1	40	53	4.8	72.4	2.5	4	6	Good	Fair	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Asymmetrical crown		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
311	<i>Salix babylonica</i>	Weeping Willow	1	100	110	12.0	452.4	3.4	8	6	Good	Hazardous	Mature	Dead Or Hazardous/Rem ove (0-5)	Previous failure(s), Wound(s), Asymmetrical crown, Partial failure, Significant fault - decay	Inspected during deciduous period. Previous failure of a main stem. Trunk has decayed, leaving two sections of live tissue.	Protected	Exotic	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 30.06%): Bulk Earthworks: 28.18%, Road/builtform: 27.77% (Encroachment enters the SRZ)	Y	30.06	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
312	<i>Leptospermum laevigatum</i>	Coastal Tea Tree	1	31	40	3.7	43.5	2.3	4	6	Fair	Poor	Mature	Short (5-15)	Deadwood minor (<3cm diameter), Wound(s), Asymmetrical crown		Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
313	<i>Leptospermum laevigatum</i>	Coastal Tea Tree	1	29.77	53	3.6	40.1	2.5	5	20	Fair	Fair	Mature	Medium (15-40)		Single tree which has failed several times, reestablishing a new crown each time. Impossible to apply traditional NRZ calculations given its current form.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
314	<i>Glochidion ferdinandii</i>	Cheese Tree	1	28.04	33	3.4	35.6	2.1	5	4	Good	Fair	Semi-mature	Short (5-15)	Included bark, Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
315	<i>Waterhousea floribunda</i>	Weeping Satinash	1	23.24	26	2.8	24.4	1.9	6	5	Good	Hazardous	Juvenile	Medium (15-40)	Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
316	<i>Waterhousea floribunda</i>	Weeping Satinash	1	11	15	2.0	12.6	1.5	5	3	Good	Good	Juvenile	Medium (15-40)			Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
317	<i>Glochidion ferdinandii</i>	Cheese Tree	1	12	14	2.0	12.6	1.5	5	5	Good	Fair	Juvenile	Medium (15-40)	Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
318	<i>Waterhousea floribunda</i>	Weeping Satinash	1	17.55	22	2.1	13.9	1.8	5	4	Good	Poor	Juvenile	Short (5-15)	Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
319	<i>Glochidion ferdinandii</i>	Cheese Tree	1	21.12	30	2.5	20.2	2.0	5	4	Good	Fair	Juvenile	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
320	<i>Leptospermum laevigatum</i>	Coastal Tea Tree	1	38.21	86	4.6	66.0	3.1	6	7	Good	Poor	Mature	Short (5-15)	Excessively thin crown density, Deadwood major (>10cm diameter), Asymmetrical crown		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 17.08%): Bulk Earthworks: 17.08%, Road/builtform: 17.08% (Encroachment enters the SRZ)	Y	17.08	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
321	<i>Salix babylonica</i>	Weeping Willow	1	49	54	5.9	108.6	2.6	10	6	Fair	Poor	Mature	Short (5-15)	Asymmetrical crown, Bird browsing damage, Deadwood major (>10cm diameter), Previous failure(s), Wound(s)	Inspected during deciduous period.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 95.52%, Stormwater: 11.32% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
322	<i>Salix babylonica</i>	Weeping Willow	1	28.43	31	3.4	36.6	2.0	9	6	Fair	Poor	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Bird browsing damage, Co-dominant stems, Root scalping, Wound(s)	Inspected during deciduous period.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 91.46%, Stormwater: 16.54% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
323	<i>Salix babylonica</i>	Weeping Willow	1	33	37	4.0	49.3	2.2	10	8	Fair	Fair	Semi-mature	Short (5-15)	Previous failure(s), Wound(s), Deadwood moderate (3-10cm diameter), Co-dominant stems	Inspected during deciduous period.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00%, Stormwater: 11.33% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
324	<i>Waterhousea floribunda</i>	Weeping Satinash	1	23.11	24	2.8	24.2	1.8	8	4	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
325	<i>Pinus sp.</i>	Pine	1	47	54	5.6	99.9	2.6	11	9	Good	Good	Semi-mature	Medium (15-40)	Deadwood major (>10cm diameter)	Broken limb from adjacent tree is held up within the crown.	Protected	Exotic	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
326	<i>Cupaniopsis anacardioides</i>	Tuckeroo	1	16.4	19	2.0	12.6	1.6	6	5	Good	Poor	Juvenile	Short (5-15)	Included bark, Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
327	<i>Eucalyptus tereticornis</i>	Forest Red Gum	1	70	81	8.4	221.7	3.0	22	14	Good	Poor	Mature	Short (5-15)	Included bark, Co-dominant stems, Partial failure, Hanger(s), Cavity, Previous failure(s)	Multiple previous failures of first-order branches resulting in wounds on all stems. Partial failure of first-order branch in the southern crown, currently held up in adjacent tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 49.15%): Bulk Earthworks: 49.15%, Road/builtform: 49.15%, Stormwater: 0.90% (Encroachment enters the SRZ)	Y	49.15	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.; Stormwater: Route services outside the NRZ or install via directional drilling.
328	<i>Casuarina cunninghamian a</i>	River Sheoak	1	51.86	65	6.2	121.7	2.8	17	11	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 97.94%, Road/builtform: 87.56% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
329	<i>Banksia integrifolia</i>	Coast Banksia	1	12	20	2.0	12.6	1.7	3	3	Good	Fair	Juvenile	Short (5-15)	Wound(s), Suppressed		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 95.92%): Bulk Earthworks: 92.62%, Road/builtform: 51.11% (Encroachment enters the SRZ)	Y	95.92	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
330	<i>Corymbia maculata</i>	Spotted Gum	1	61	71	7.3	168.3	2.9	17	12	Good	Good	Mature	Long (>40)	Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 99.17%): Bulk Earthworks: 98.62%, Road/builtform: 60.07% (Encroachment enters the SRZ)	Y	99.17	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
331	<i>Corymbia maculata</i>	Spotted Gum	1	33	38	4.0	49.3	2.2	14	8	Good	Good	Semi-mature	Long (>40)	Suppressed		Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 61.06% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
332	<i>Corymbia maculata</i>	Spotted Gum	1	54	67	6.5	131.9	2.8	15	12	Good	Good	Mature	Long (>40)	Deadwood moderate (3-10cm diameter), Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 49.88% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
333	<i>Pinus radiata</i>	Radiata Pine	1	86.02	92	10.3	334.7	3.2	8	8	Poor	Hazardous	Mature	Dead Or Hazardous/Remove (0-5)	Partial failure, Hanger(s), Excessively thin crown density, Deadwood major (>10cm diameter), Co-dominant stems	Majority of the tree is dead, with several hangers and partially failed dead branches.	Protected	Exotic	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 48.37% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
334	<i>Casuarina glauca</i>	Swamp Sheoak	1	73.59	88	8.8	245.0	3.1	15	14	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Included bark, Previous failure(s), Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 84.11%, Stormwater: 5.35% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
335	<i>Ficus benjamina</i>	Weeping Fig	1	75.55	74	9.1	258.2	2.9	11	16	Good	Poor	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Epicormic shoots, Included bark, Root scalping	Poorly form stem junctions from ground level.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 27.31% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
336	<i>Populus nigra 'italica'</i>	Lombardy Poplar	1	66.49	92	8.0	200.0	3.2	20	3	Good	Poor	Mature	Short (5-15)	Cavity, Decay, Epicormic shoots, Previous failure(s), Wound(s)	Multiple small open cavities suggest the entire trunk is hollow - typical feature of this tree species as it matures.	Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
337	<i>Casuarina glauca</i>	Swamp Sheoak	1	72	75	8.6	234.5	2.9	19	12	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Included bark, Mechanical damage, Root scalping, Wound(s)		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
338	<i>Casuarina glauca</i>	Swamp Sheoak	1	69	95	8.3	215.4	3.2	19	13	Good	Good	Mature	Medium (15-40)	Epicormic shoots, Mistletoe		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
339	<i>Casuarina glauca</i>	Swamp Sheoak	1	64.51	78	7.7	188.3	3.0	19	13	Good	Fair	Mature	Medium (15-40)	Cavity, Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Saturated soil, Wound(s)	Inundated soils were present at the time of the assessment. Small pruning wound on the central leader has developed into a cavity.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
340	<i>Casuarina glauca</i>	Swamp Sheoak	1	61	71	7.3	168.3	2.9	15	9	Fair	Poor	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Poor pruning, Saturated soil, Wound(s)	Historic pruning of multiple first and second order branches has resulted in atypical form. Inundated soils were present at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
341	<i>Casuarina glauca</i>	Swamp Sheoak	1	70	75	8.4	221.7	2.9	18	12	Fair	Poor	Mature	Short (5-15)	Epicormic shoots, Included bark, Previous failure(s), Saturated soil, Wound(s)	Large trunk wound following the historic failure of a first order branch. Poorly formed primary stem bifurcation. Inundated soils were present at the time of the assessment.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
342	<i>Casuarina glauca</i>	Swamp Sheoak	1	65	75	7.8	191.1	2.9	17	12	Excellent	Good	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
343	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	21.35	32	2.6	20.6	2.1	5	4	Fair	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Deadwood minor (<3cm diameter), Saturated soil, Suppressed	Inundated soils were present at the time of the assessment.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
344	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	25.63	40	3.1	29.7	2.3	5	5	Fair	Poor	Semi-mature	Short (5-15)	Cavity, Co-dominant stems, Epicormic shoots, Included bark, Significant fault - standing dead tree, Suppressed, Wound(s)	Codominant from ground level. Inundated soils were present at the time of the assessment.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
345	Casuarina glauca	Swamp Sheoak	1	63.13	67	7.6	180.3	2.8	17	11	Good	Poor	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood major (>10cm diameter), Included bark, Previous failure(s), Saturated soil, Weak attachments	Inundated soils were present at the time of the assessment. Multiple poorly formed stem attachments.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
346	Casuarina glauca	Swamp Sheoak	1	54.56	60	6.5	134.7	2.7	16	12	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Mistletoe, Saturated soil, Wound(s)	Inundated soils were present at the time of the assessment. Witches broom abundant throughout the lower crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
347	Melaleuca quinquenervia	Broad-leaved Paperbark	1	30.41	41	3.6	41.8	2.3	7	7	Good	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Crossing/rubbing branches, Included bark, Mechanical damage		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
348	Melaleuca quinquenervia	Broad-leaved Paperbark	1	20	24	2.4	18.1	1.8	4	4	Good	Fair	Semi-mature	Medium (15-40)	Epicormic shoots, Included bark, Mechanical damage, Saturated soil, Wound(s)	Inundated soils at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
349	Casuarina glauca	Swamp Sheoak	1	42	51	5.0	79.8	2.5	14	10	Good	Good	Mature	Medium (15-40)	Asymmetrical crown, Crossing/rubbing branches, Mistletoe, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
350	Casuarina glauca	Swamp Sheoak	1	46	65	5.5	95.7	2.8	17	10	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
351	Casuarina glauca	Swamp Sheoak	1	63	71	7.6	179.6	2.9	18	12	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Included bark, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
352	Casuarina glauca	Swamp Sheoak	1	52.4	64	6.3	124.2	2.7	16	11	Good	Poor	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Included bark, Mistletoe, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
353	Casuarina glauca	Swamp Sheoak	1	40	50	4.8	72.4	2.5	17	6	Fair	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Decay, Dieback, Epicormic shoots, Saturated soil, Wound(s)	Large trunk wound with internal decay. Inundated soils were present at the time of the assessment.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
354	Casuarina glauca	Swamp Sheoak	1	59	65	7.1	157.5	2.8	16	14	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
355	Casuarina glauca	Swamp Sheoak	1	63.29	78	7.6	181.2	3.0	17	15	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Deadwood moderate (3-10cm diameter), Included bark, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
356	Casuarina glauca	Swamp Sheoak	1	48	66	5.8	104.2	2.8	17	7	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Mistletoe, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
357	Casuarina glauca	Swamp Sheoak	1	66	83	7.9	197.1	3.1	19	18	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
358	Lagunaria patersonii	Pyramid Tree	1	41.23	44	4.9	76.9	2.3	8	8	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Saturated soil, Wound(s)	Inundated soils were present at the time of the assessment.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
359	Lagunaria patersonii	Pyramid Tree	1	25.5	34	3.1	29.4	2.1	7	6	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Epicormic shoots, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
360	Lagunaria patersonii	Pyramid Tree	1	32	42	3.8	46.3	2.3	8	6	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Epicormic shoots, Poor pruning, Saturated soil, Wound(s)	Inundated soils were present at the time of the assessment.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
361	Lagunaria patersonii	Pyramid Tree	1	30.48	37	3.7	42.0	2.2	8	6	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Epicormic shoots, Saturated soil	Inundated soils were present at the time of the assessment.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
362	<i>Lagunaria patersonii</i>	Pyramid Tree	1	44.41	63	5.3	89.2	2.7	10	11	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Decay, Epicormic shoots, Saturated soil	Inundated soils at the time of the assessment.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
363	<i>Araucaria heterophylla</i>	Norfolk Island Pine	1	48	58	5.8	104.2	2.6	18	10	Good	Good	Semi-mature	Long (>40)	Root scalping		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
364	<i>Araucaria heterophylla</i>	Norfolk Island Pine	1	37	42	4.4	61.9	2.3	17	8	Good	Good	Semi-mature	Long (>40)	Root scalping		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
365	<i>Araucaria columnaris</i>	Cook Pine	1	47	53	5.6	99.9	2.5	18	6	Good	Good	Mature	Long (>40)	Root scalping		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
366	<i>Araucaria heterophylla</i>	Norfolk Island Pine	1	58	66	7.0	152.2	2.8	18	10	Good	Good	Semi-mature	Long (>40)	Root scalping		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
367	<i>Araucaria heterophylla</i>	Norfolk Island Pine	1	66	79	7.9	197.1	3.0	18	10	Good	Good	Semi-mature	Long (>40)			Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
368	<i>Lagunaria patersonii</i>	Pyramid Tree	1	40.46	55	4.9	74.1	2.6	11	9	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
369	<i>Lagunaria patersonii</i>	Pyramid Tree	1	54	58	6.5	131.9	2.6	11	9	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
370	<i>Araucaria columnaris</i>	Cook Pine	1	49	58	5.9	108.6	2.6	16	5	Good	Good	Semi-mature	Long (>40)	Hanger(s)	Minor hanger in northern crown.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
371	<i>Lagunaria patersonii</i>	Pyramid Tree	1	27	40	3.2	33.0	2.3	6	7	Fair	Fair	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Saturated soil		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
372	<i>Araucaria heterophylla</i>	Norfolk Island Pine	1	23	29	2.8	23.9	2.0	9	3	Good	Good	Semi-mature	Medium (15-40)	Saturated soil		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
373	<i>Lagunaria patersonii</i>	Pyramid Tree	1	38.18	50	4.6	65.9	2.5	14	7	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Epicormic shoots, Included bark, Poor pruning, Saturated soil	Natural bracing above included stem junctions.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
374	<i>Casuarina glauca</i>	Swamp Sheoak	1	54	61	6.5	131.9	2.7	13	12	Good	Hazardous	Mature	Short (5-15)	Co-dominant stems, Previous failure(s), Significant fault - cracked/split branches, Wound(s)	Primary branch junction has seperated - appears long-standing.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
375	<i>Casuarina glauca</i>	Swamp Sheoak	1	57.38	64	6.9	148.9	2.7	15	11	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Included bark, Mistletoe, Root scalping, Saturated soil	Inundated soils at the time of the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
376	<i>Casuarina glauca</i>	Swamp Sheoak	1	67.12	72	8.1	203.8	2.9	13	11	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Poor pruning, Wound(s)	Large historic flush cut at 1.5 metres.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
377	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	42	53	5.0	79.8	2.5	9	9	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Epicormic shoots, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
378	<i>Araucaria heterophylla</i>	Norfolk Island Pine	1	24	32	2.9	26.1	2.1	11	3	Good	Good	Semi-mature	Long (>40)			Protected	Native	2 (Medium)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
379	<i>Casuarina glauca</i>	Swamp Sheoak	1	68	94	8.2	209.2	3.2	13	15	Good	Poor	Mature	Short (5-15)	Co-dominant stems, Included bark, Mistletoe, Previous failure(s), Wound(s)	First order branch h failure at the branch attachment. Similar structural features present throughout the crown.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
380	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	33.3	36	4.0	50.2	2.2	5	5	Fair	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Saturated soil	Inundated soils at the time of the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
381	<i>Araucaria columnaris</i>	Cook Pine	1	27	52	3.2	33.0	2.5	11	3	Good	Good	Semi-mature	Long (>40)	Co-dominant stems		Protected	Native	2 (Medium)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
382	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	87	99	10.4	342.4	3.3	18	15	Good	Fair	Mature	Medium (15-40)	Deadwood major (>10cm diameter), Dieback, Epicormic shoots, Fungal fruiting body(s), Hanger(s), Poor pruning, Previous failure(s), Wound(s)	Large wound, positive indicators of decay, good response growth. Hanger in the lower crown which should be removed before any development begins.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
383	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	100	115	12.0	452.4	3.5	16	12	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
384	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	100	110	12.0	452.4	3.4	17	12	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Wound(s)		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
385	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	26	47	3.1	30.6	2.4	5	4	Good	Poor	Mature	Short (5-15)	Asymmetrical crown, Decay, Poor pruning, Wound(s)	Historic wound with decay on around the base.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
386	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	118.26	120	14.2	632.7	3.6	12	14	Fair	Poor	Mature	Short (5-15)	Co-dominant stems, Crack or split, Deadwood moderate (3-10cm diameter), Decay, Dieback, Epicormic shoots, Partial failure, Wound(s)	Primary bifurcation has seperated. Appears to be long standing. Wound with decay within the primary junction.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
387	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	86	98	10.3	334.6	3.3	14	11	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood major (>10cm diameter), Girdling roots, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
388	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	51	54	6.1	117.7	2.6	11	9	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
389	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	60	74	7.2	162.9	2.9	11	10	Good	Fair	Mature	Medium (15-40)	Wound(s), Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
390	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	81.36	68	9.8	299.5	2.8	10	10	Good	Fair	Mature	Medium (15-40)	Poor pruning, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
391	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	22	34	2.6	21.9	2.1	7	5	Poor	Fair	Semi-mature	Short (5-15)	Epicormic shoots, Co-dominant stems, Dieback		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
392	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	40	47	4.8	72.4	2.4	7	7	Good	Fair	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
393	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	64	66	7.7	185.3	2.8	9	10	Good	Fair	Mature	Medium (15-40)	Wound(s), Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
394	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	20.52	29	2.5	19.0	2.0	5	5	Fair	Fair	Semi-mature	Short (5-15)	Root scalping, Dieback, Wound(s), Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
395	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	46	51	5.5	95.7	2.5	8	8	Fair	Fair	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Wound(s), Root scalping, Dieback, Included bark, Weak attachments, Co-dominant stems		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
396	<i>Casuarina glauca</i>	Swamp Sheoak	1	56	69	6.7	141.9	2.8	15	12	Good	Poor	Mature	Short (5-15)	Decay, Co-dominant stems, Included bark, Crossing/rubbing branches, Previous failure(s), Cavity	Cavities observed on the trunk, due to previous failure of a included stem.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
397	<i>Pinus pinaster</i>	Maritime Pine	1	10	14	2.0	12.6	1.5	3	3	Good	Excellent	Juvenile	Medium (15-40)	Co-dominant stems		Protected	Exotic	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
398	<i>Casuarina glauca</i>	Swamp Sheoak	1	40	48	4.8	72.4	2.4	15	8	Good	Hazardous	Mature	Medium (15-40)	Wound(s), Root scalping, Deadwood minor (<3cm diameter), Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
399	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	1	21	26	2.5	20.0	1.9	6	4	Good	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Root scalping		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
400	<i>Lagunaria patersonii</i>	Pyramid Tree	1	50	52	6.0	113.1	2.5	11	7	Good	Fair	Mature	Medium (15-40)	Poor pruning, Root scalping, Epicormic shoots, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
401	<i>Casuarina glauca</i>	Swamp Sheoak	1	47	61	5.6	99.9	2.7	13	10	Good	Fair	Mature	Medium (15-40)	Root scalping, Previous failure(s), Asymmetrical crown	Asymmetrical crown with a northern bias. Previous failure of two first order branches in the lower northern crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
402	<i>Lagunaria patersonii</i>	Pyramid Tree	1	29	36	3.5	38.0	2.2	10	6	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Epicormic shoots		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
403	<i>Casuarina glauca</i>	Swamp Sheoak	1	45	53	5.4	91.6	2.5	12	10	Good	Poor	Mature	Short (5-15)	Included bark, Wound(s), Decay, Previous failure(s)	Previous failure of co-dominant stem resulted in a large wound on the western side of the trunk.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
404	<i>Lagunaria patersonii</i>	Pyramid Tree	1	52.5	52	6.3	124.7	2.5	10	8	Good	Fair	Mature	Medium (15-40)	Root scalping, Co-dominant stems, Included bark		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
405	<i>Lagunaria patersonii</i>	Pyramid Tree	1	48	50	5.8	104.2	2.5	10	8	Good	Fair	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
406	<i>Lagunaria patersonii</i>	Pyramid Tree	1	39	45	4.7	68.8	2.4	11	8	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Root scalping, Included bark		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
407	<i>Casuarina glauca</i>	Swamp Sheoak	1	39.7	55	4.8	71.3	2.6	12	10	Good	Poor	Mature	Short (5-15)	Wound(s), Resin/kino/sap flow, Crack or split, Co-dominant stems	Northern stem has evidence of a split in the stem, approximately 2m from union.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
408	<i>Casuarina glauca</i>	Swamp Sheoak	1	45.45	58	5.5	93.5	2.6	13	11	Good	Poor	Mature	Short (5-15)	Root scalping, Previous failure(s), Included bark, Co-dominant stems		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
409	<i>Casuarina glauca</i>	Swamp Sheoak	1	59.34	68	7.1	159.3	2.8	11	10	Good	Fair	Mature	Medium (15-40)	Root scalping, Wound(s), Resin/kino/sap flow, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
410	<i>Lagunaria patersonii</i>	Pyramid Tree	1	40	43	4.8	72.4	2.3	9	6	Good	Good	Mature	Medium (15-40)	Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
411	<i>Lagunaria patersonii</i>	Pyramid Tree	1	39	43	4.7	68.8	2.3	10	8	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
412	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	1	29	35	3.5	38.0	2.1	10	6	Excellent	Good	Mature	Long (>40)	Root scalping		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
413	<i>Casuarina glauca</i>	Swamp Sheoak	1	56.85	71	6.8	146.2	2.9	14	10	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems, Root scalping		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
414	<i>Araucaria heterophylla</i>	Norfolk Island Pine	1	25	33	3.0	28.3	2.1	10	5	Good	Excellent	Semi-mature	Long (>40)	Root scalping		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
415	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	1	45	43	5.4	91.6	2.3	13	8	Excellent	Fair	Semi-mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
416	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	19.42	25	2.3	17.1	1.8	4	4	Good	Fair	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
417	<i>Lagunaria patersonii</i>	Pyramid Tree	1	40	47	4.8	72.4	2.4	12	9	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
418	<i>Casuarina glauca</i>	Swamp Sheoak	1	35	49	4.2	55.4	2.5	12	9	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Wound(s), Root scalping, Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
419	Casuarina glauca	Swamp Sheoak	1	34	53	4.1	52.3	2.5	14	11	Good	Poor	Mature	Short (5-15)	Co-dominant stems, Included bark, Decay, Root scalping, Previous failure(s), Cavity	Cavity present on the north-western side of the trunk, from GL to 1m.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
420	Casuarina glauca	Swamp Sheoak	1	50	65	6.0	113.1	2.8	15	12	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems, Root scalping		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
421	Araucaria heterophylla	Norfolk Island Pine	1	26	32	3.1	30.6	2.1	14	8	Excellent	Good	Semi-mature	Long (>40)	Root scalping		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
422	Casuarina glauca	Swamp Sheoak	1	61	70	7.3	168.3	2.8	15	11	Good	Poor	Mature	Short (5-15)	Wound(s), Root scalping, Cavity, Included bark, Co-dominant stems	Cavity present within the trunk, 1m from GL.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
423	Callistemon viminalis	Weeping Bottlebrush	1	8.49	13	2.0	12.6	1.5	3	3	Fair	Fair	Juvenile	Short (5-15)	Mechanical damage, Wound(s), Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
424	Casuarina glauca	Swamp Sheoak	1	59	68	7.1	157.5	2.8	16	10	Good	Excellent	Mature	Medium (15-40)	Epicormic shoots, Root scalping, Wound(s), Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
425	Casuarina glauca	Swamp Sheoak	1	51	68	6.1	117.7	2.8	13	8	Good	Poor	Mature	Short (5-15)	Root scalping, Wound(s), Epicormic shoots, Asymmetrical crown	Historic pruning wound on eastern side of trunk from the removal of eastern co-dominant stem.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
426	Casuarina glauca	Swamp Sheoak	1	52	61	6.2	122.3	2.7	13	10	Good	Fair	Mature	Medium (15-40)	Over-extended branch(es), Wound(s), Asymmetrical crown, Canker(s), Epicormic shoots, Previous failure(s), Root scalping		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
427	Casuarina cunningghamiana	River Sheoak	1	65	86	7.8	191.1	3.1	15	14	Good	Good	Mature	Medium (15-40)	Wound(s), Root scalping, Co-dominant stems	Historic wound on western die of the trunk which has partially occluded, possible forming a cavity with good response growth.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Foreshore landscape: 4.00%, Road/builtform: 15.08% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
428	Casuarina glauca	Swamp Sheoak	1	70.04	74	8.4	221.9	2.9	14	12	Good	Fair	Mature	Short (5-15)	Girdling roots, Root scalping, Wound(s), Cavity, Co-dominant stems	Three cavities present on the northern stem in close proximity to the primary co-dominant union.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 92.35%, Foreshore landscape: 19.45%, Road/builtform: 33.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
429	Cupressus sp.	Cypress	1	31.92	40	3.8	46.1	2.3	13	8	Good	Fair	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Co-dominant stems, Asymmetrical crown		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
430	Cupressus sp.	Cypress	1	23	30	2.8	23.9	2.0	7	6	Good	Poor	Semi-mature	Short (5-15)	Weak attachments, Co-dominant stems	Apical stem has died resulting in multiple stems forming within the same section of the trunk.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
431	Callistemon viminalis	Weeping Bottlebrush	1	13.6	22	2.0	12.6	1.8	4	4	Good	Fair	Semi-mature	Short (5-15)	Deadwood minor (<3cm diameter), Wound(s), Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
432	Cupressus sp.	Cypress	1	21.26	32	2.6	20.4	2.1	5	5	Good	Fair	Semi-mature	Short (5-15)	Dieback, Wound(s), Canker(s), Co-dominant stems, Poor pruning	Multiple smaller dead branches in the crown may indicate a disease is present.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
433	Casuarina cunningghamiana	River Sheoak	1	42	55	5.0	79.8	2.6	9	7	Good	Poor	Mature	Short (5-15)	Wound(s), Suppressed, Asymmetrical crown	Asymmetrical crown with a western bias due to suppression from adjacent tree.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
434	Casuarina cunningghamiana	River Sheoak	1	64	81	7.7	185.3	3.0	11	9	Good	Fair	Mature	Medium (15-40)	Wound(s), Resin/kino/sap flow, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
435	Casuarina glauca	Swamp Sheoak	1	63.25	89	7.6	181.0	3.2	14	12	Poor	Poor	Mature	Short (5-15)	Included bark, Co-dominant stems, Excessively thin crown density		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
436	Casuarina glauca	Swamp Sheoak	1	50.8	48	6.1	116.7	2.4	14	8	Poor	Fair	Mature	Short (5-15)	Included bark, Co-dominant stems, Excessively thin crown density		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
437	Casuarina glauca	Swamp Sheoak	1	89	78	10.7	358.3	3.0	15	12	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 90.96%, Foreshore landscape: 18.41%, Road/builtform: 41.68% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
438	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	27	0	3.2	33.0		13	5	Good	Good	Mature	Medium (15-40)	Environmental/Dec lared Weed, Deadwood moderate (3-10cm diameter)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
439	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	31	0	3.7	43.5		12	5	Good	Good	Mature	Medium (15-40)	Environmental/Dec lared Weed, Deadwood moderate (3-10cm diameter)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
440	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	33	0	4.0	49.3		13	5	Good	Good	Mature	Medium (15-40)	Environmental/Dec lared Weed, Deadwood moderate (3-10cm diameter)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
441	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	36	0	4.3	58.6		9	5	Fair	Good	Semi-mature	Medium (15-40)	Environmental/Dec lared Weed, Deadwood moderate (3-10cm diameter)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Foreshore landscape: 100.00%, Road/builtform: 28.90% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
442	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	34	0	4.1	52.3		11	5	Fair	Good	Mature	Medium (15-40)	Environmental/Dec lared Weed, Deadwood moderate (3-10cm diameter)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Foreshore landscape: 100.00%, Road/builtform: 57.96%, Stormwater: 2.62% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
443	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	36	0	4.3	58.6		9	5	Fair	Good	Semi-mature	Medium (15-40)	Environmental/Dec lared Weed, Deadwood moderate (3-10cm diameter)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Foreshore landscape: 100.00%, Road/builtform: 33.37%, Stormwater: 21.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
444	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	30	0	3.6	40.7		12	5	Good	Good	Mature	Medium (15-40)	Environmental/Dec lared Weed, Deadwood moderate (3-10cm diameter)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Foreshore landscape: 100.00%, Stormwater: 13.16% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
445	<i>Syagrus romanzoffiana</i>	Cocos Palm	1	31	0	3.7	43.5		11	5	Good	Good	Mature	Medium (15-40)	Environmental/Dec lared Weed, Deadwood moderate (3-10cm diameter)		Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
446	<i>Casuarina glauca</i>	Swamp Sheoak	1	84.15	100	10.1	320.3	3.3	13	10	Good	Poor	Mature	Short (5-15)	Partial failure, Hanger(s), Previous failure(s)	Recent failures of the eastern stem at 6m from GL, resulting in a large wound and partially failed branches suspended within the crown.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 24.42%, Foreshore landscape: 86.37%, Road/builtform: 24.42% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
447	<i>Eucalyptus sideroxylon</i>	Mugga, Red Ironbark	1	51	60	6.1	117.7	2.7	12	10	Good	Good	Semi-mature	Long (>40)	Co-dominant stems		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 41.23%, Foreshore landscape: 79.08%, Road/builtform: 41.23% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
448	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	1	42	48	5.0	79.8	2.4	10	7	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter)		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 35.39%, Foreshore landscape: 88.08%, Road/builtform: 35.39% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
449	Dead tree	Dead tree	1	71	75	8.5	228.0	2.9	13	7	Dead	Hazardous	Mature	Dead Or Hazardous/Remove (0-5)	Bird browsing damage, Previous failure(s), Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 71.98%, Foreshore landscape: 42.56%, Road/builtform: 51.56% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
450	<i>Logunaria patersonii</i>	Pyramid Tree	1	25.46	31	3.1	29.3	2.0	5	3	Good	Fair	Juvenile	Short (5-15)	Co-dominant stems, Self-sown and inappropriately located		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
451	<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	1	39.89	55	4.8	72.0	2.6	4	5	Poor	Poor	Mature	Short (5-15)	Included bark, Co-dominant stems, Partial failure	Partial failure of three main stems.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
452	<i>Ulmus parvifolia</i>	Chinese Elm	1	18.76	24	2.3	15.9	1.8	3	5	Good	Fair	Juvenile	Short (5-15)	Co-dominant stems, Self-sown and inappropriately located		Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
453	<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	2	26.91	38	3.2	32.8	2.2	5	4	Fair	Poor	Mature	Dead Or Hazardous/Remove (0-5)	Previous failure(s), Partial failure	Additional tree to the south. Previous failures of co-dominant stems, evidence of partial failures on remaining stems.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
454	<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	4	36.93	40	4.4	61.7	2.3	5	6	Good	Fair	Mature	Short (5-15)	Included bark, Co-dominant stems, Asymmetrical crown, Asymmetrical root plate	Additional three trees to the south.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
455	<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	1	35.09	45	4.2	55.7	2.4	5	5	Poor	Poor	Mature	Short (5-15)	Included bark, Excessively thin crown density, Co-dominant stems		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
456	Melaleuca armillaris	Bracelet Honey-myrtle	5	24.6	50	3.0	27.4	2.5	5	5	Good	Fair	Mature	Medium (15-40)	Deadwood major (>10cm diameter), Co-dominant stems	Additional four trees to the south.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
457	Dead tree	Dead tree	1	12.81	26	2.0	12.6	1.9	4	3	Dead	Poor	Semi-mature	Dead Or Hazardous/Remove (0-5)	Asymmetrical crown, Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
458	Melaleuca armillaris	Bracelet Honey-myrtle	1	18.76	26	2.3	15.9	1.9	5	6	Good	Fair	Mature	Short (5-15)	Co-dominant stems, Deadwood major (>10cm diameter), Asymmetrical crown		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
459	Dead tree	Dead tree	1	28.28	28	3.4	36.2	1.9	4	5	Dead	Poor	Semi-mature	Dead Or Hazardous/Remove (0-5)	Significant fault - standing dead tree, Climbing vine		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
460	Melaleuca armillaris	Bracelet Honey-myrtle	1	28.07	38	3.4	35.6	2.2	3	5	Poor	Poor	Semi-mature	Short (5-15)	Excessively thin crown density, Dieback, Co-dominant stems		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
461	Casuarina glauca	Swamp Sheoak	1	10.77	15	2.0	12.6	1.5	7	4	Good	Fair	Juvenile	Short (5-15)	Suppressed, Wound(s), Asymmetrical crown		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
462	Casuarina glauca	Swamp Sheoak	1	41.04	41	4.9	76.2	2.3	7	6	Good	Good	Semi-mature	Short (5-15)	Asymmetrical crown, Crossing/rubbing branches, Previous failure(s)		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
463	Avicennia marina subsp. australasica	Grey Mangrove	1	14.7	15	2.0	12.6	1.5	3	5	Good	Good	Semi-mature	Long (>40)	Co-dominant stems	Not tagged. Species is protected under federal legislation.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
464	Acacia saligna	Golden Wreath Wattle	1	32.56	40	3.9	48.0	2.3	7	6	Poor	Poor	Senescent	Short (5-15)	Deadwood moderate (3-10cm diameter), Co-dominant stems, Included bark, Excessively thin crown density	Short lived species with the specimen displaying signs of senescent decline.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
465	Avicennia marina subsp. australasica	Grey Mangrove	1	19.21	20	2.3	16.7	1.7	5	8	Good	Good	Mature	Long (>40)	Co-dominant stems	Not tagged. Species is protected under federal legislation.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
466	Lagunaria patersonii	Pyramid Tree	1	20.59	40	2.5	19.2	2.3	6	6	Good	Poor	Semi-mature	Short (5-15)	Asymmetrical crown, Growing from cut stump, Previous failure(s)		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
467	Casuarina glauca	Swamp Sheoak	1	20	25	2.4	18.1	1.8	8	4	Good	Fair	Semi-mature	Short (5-15)	Constrained growing environment, Crossing/rubbing branches	Likely self seeded specimen growing out of an embankment, predominantly consisting of rocks.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
468	Lagunaria patersonii	Pyramid Tree	1	89.73	37	10.8	364.2	2.2	5	6	Good	Poor	Semi-mature	Short (5-15)	Constrained growing environment, Growing from cut stump	Likely self seeded specimen growing out of an embankment, predominantly consisting of rocks.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 99.88%): Foreshore landscape: 91.96%, Road/builtform: 11.83%, Stormwater: 4.82% (Encroachment enters the SRZ)	Y	99.88	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
469	Dead tree	Dead tree	1	17.89	31	2.1	14.5	2.0	3	3	Dead	Hazardous	Semi-mature	Dead Or Hazardous/Remove (0-5)	Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
470	Lagunaria patersonii	Pyramid Tree	1	8	9	2.0	12.6	1.5	4	2	Good	Fair	Juvenile	Short (5-15)	Constrained growing environment	Likely self seeded specimen growing out of an embankment, predominantly consisting of rocks.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
471	Dead tree	Dead tree	1	21.17	30	2.5	20.3	2.0	2	4	Dead	Hazardous	Juvenile	Dead Or Hazardous/Remove (0-5)	Significant fault - standing dead tree		Exempt	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
472	Lagunaria patersonii	Pyramid Tree	1	16.97	24	2.0	13.0	1.8	6	5	Good	Fair	Semi-mature	Short (5-15)	Constrained growing environment, Included bark, Co-dominant stems, Asymmetrical root plate	Likely self seeded specimen growing out of an embankment, predominantly consisting of rocks.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
473	Syagrus romanzoffiana	Cocos Palm	1	30	0	3.6	40.7		5	4	Good	Good	Juvenile	Short (5-15)	Environmental/Dec lared Weed	Self seeded weed species.	Protected	Exotic	4 (Environmental Pest / Noxious Weed)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
474	Acacia saligna	Golden Wreath Wattle	1	21.21	35	2.5	20.4	2.1	4	6	Good	Poor	Semi-mature	Short (5-15)	Asymmetrical crown, Partial failure, Previous failure(s)		Protected	Native	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
475	<i>Eucalyptus cladocalyx</i>	Sugar Gum	1	25.81	49	3.1	30.1	2.5	6	10	Poor	Fair	Semi-mature	Dead Or Hazardous/Remove (0-5)	Co-dominant stems, Deadwood major (>10cm diameter), Dieback, Epicormic shoots	This tree is in irreversible decline.	Protected	Native	3 (Low)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 40.20% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
476	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	13	22	2.0	12.6	1.8	4	3	Fair	Fair	Semi-mature	Short (5-15)	Epicormic shoots, Included bark		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 81.39% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
477	<i>Eucalyptus cladocalyx</i>	Sugar Gum	1	43	50	5.2	83.6	2.5	12	10	Fair	Poor	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Epicormic shoots, Resin/kino/sap flow, Wood borer, Wound(s)	Basal wound with good response growth. Borer wounding within a first order branch junction.	Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 83.91% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
478	<i>Casuarina glauca</i>	Swamp Sheoak	1	75.96	88	9.1	261.0	3.1	15	11	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 3.99% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
479	<i>Pinus radiata</i>	Radiata Pine	1	52	58	6.2	122.3	2.6	10	9	Fair	Good	Semi-mature	Short (5-15)	Crossing/rubbing branches, Deadwood major (>10cm diameter)		Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 77.86% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
480	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	63.13	74	7.6	180.3	2.9	9	12	Good	Fair	Mature	Long (>40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Mechanical damage, Root scalping, Wound(s)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 87.49% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
481	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	67.88	85	8.1	208.4	3.1	9	12	Good	Fair	Semi-mature	Long (>40)	Co-dominant stems, Decay, Epicormic shoots, Included bark, Mechanical damage, Root scalping, Wound(s)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 62.05% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
482	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	50.21	56	6.0	114.0	2.6	7	9	Good	Fair	Semi-mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark		Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 74.87%, Stormwater: 5.17% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
483	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	57.75	87	6.9	150.9	3.1	7	8	Fair	Fair	Mature	Medium (15-40)	Epicormic shoots		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 60.60%, Stormwater: 17.40% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
484	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	60.65	61	7.3	166.4	2.7	7	6	Good	Fair	Semi-mature	Long (>40)	Co-dominant stems, Included bark, Partial failure		Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 67.74%, Stormwater: 12.30% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
485	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	53.49	49	6.4	129.4	2.5	7	5	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 73.63% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
486	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	75.86	97	9.1	260.3	3.3	7	14	Good	Fair	Mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Hanger(s), Mechanical damage, Root scalping, Wound(s)		Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 77.16%, Stormwater: 6.23% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
487	<i>Casuarina glauca</i>	Swamp Sheoak	1	98.45	110	11.8	438.5	3.4	19	19	Fair	Hazardous	Mature	Dead Or Hazardous/Remove (0-5)	Co-dominant stems, Crossing/rubbing branches, Significant fault - bark inclusion(s), Significant fault - cracked/split branches, Weak attachments, Wound(s)	Multiple first order stems have seperated. Significant cracks in the trunk.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 80.89%, Stormwater: 0.84% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
488	<i>Casuarina glauca</i>	Swamp Sheoak	1	88	105	10.6	350.3	3.4	21	12	Fair	Fair	Mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Included bark, Previous failure(s), Wound(s)	Eastern crown is declining. Multiple branch failures throughout the crown. Large first-order pruning wound.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 92.62%, Stormwater: 7.70% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
489	<i>Salix babylonica</i>	Weeping Willow	1	22.11	60	2.7	22.1	2.7	6	4	Good	Hazardous	Mature	Dead Or Hazardous/Remove (0-5)	Cavity, Co-dominant stems, Decay, Epicormic shoots, Partial failure, Previous failure(s)	Canopy consists of epicormics shoots attached to stems which have significant decay and multiple cavities.	Protected	Exotic	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00%, Stormwater: 21.52% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
490	<i>Leptospermum laevigatum</i>	Coastal Tea Tree	1	27.86	80	3.3	35.1	3.0	4	10	Poor	Poor	Mature	Dead Or Hazardous/Remove (0-5)	Co-dominant stems, Partial failure	Historic partial failures of root plate and co-dominant stem union.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
491	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	52	54	6.2	122.3	2.6	7	12	Good	Fair	Mature	Medium (15-40)	Root scalping, Asymmetrical crown, Co-dominant stems, Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 36.65%): Bulk Earthworks: 36.65%, Road/builtform: 36.65% (Encroachment enters the SRZ)	Y	36.65	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery; Road/builtform: Modify the design to accomodate retention of higher value trees.
492	<i>Casuarina glauca</i>	Swamp Sheoak	1	85	79	10.2	326.9	3.0	12	10	Good	Poor	Mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Crossing/rubbing branches, Included bark, Previous failure(s), Root scalping, Wound(s)		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 45.44%): Bulk Earthworks: 45.44%, Road/builtform: 45.44%, Stormwater: 3.49% (Encroachment enters the SRZ)	Y	45.44	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery; Road/builtform: Modify the design to accomodate retention of higher value trees.; Stormwater: Route services outside the NRZ or install via directional drilling.
493	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	33.62	46	4.0	51.1	2.4	7	6	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Root scalping, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 3.73%): Bulk Earthworks: 3.73%, Road/builtform: 3.73%	N	3.73	Minor	No significant impact expected provided tree protection measures are installed and maintained.	Retain - generic	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery; Road/builtform: Modify the design to accomodate retention of higher value trees.
494	<i>Pinus radiata</i>	Radiata Pine	1	46	44	5.5	95.7	2.3	7	7	Good	Good	Mature	Medium (15-40)	Root scalping, Deadwood moderate (3-10cm diameter), Crossing/rubbing branches, Co-dominant stems		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 38.06%): Bulk Earthworks: 38.06%, Road/builtform: 38.06% (Encroachment enters the SRZ)	Y	38.06	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery; Road/builtform: Modify the design to accomodate retention of higher value trees.
495	<i>Salix matsudana 'Tortuosa'</i>	Corkscrew Willow	1	49.58	74	5.9	111.2	2.9	5	6	Poor	Poor	Mature	Short (5-15)	Decay, Wood borer, Previous failure(s), Deadwood major (>10cm diameter), Excessively thin crown density, Cavity		Protected	Exotic	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 99.03%, Road/builtform: 92.65%, Stormwater: 9.90% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
496	<i>Syzygium paniculatum</i>	Brush Cherry	1	18.55	28	2.2	15.6	1.9	5	5	Good	Poor	Juvenile	Short (5-15)	Included bark, Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
497	<i>Pinus radiata</i>	Radiata Pine	1	61	70	7.3	168.3	2.8	11	14	Good	Good	Mature	Medium (15-40)	Resin/kino/sap flow, Root scalping, Hanger(s), Deadwood major (>10cm diameter)		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 18.81%): Bulk Earthworks: 18.81%, Road/builtform: 18.81%	N	18.81	Moderate	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery; Road/builtform: Modify the design to accomodate retention of higher value trees.
498	<i>Eucalyptus tereticornis</i>	Forest Red Gum	1	54	67	6.5	131.9	2.8	15	14	Good	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 82.31%, Road/builtform: 78.71%, Stormwater: 6.66% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
499	<i>Acacia saligna</i>	Golden Wreath Wattle	1	22.02	24	2.6	21.9	1.8	5	4	Poor	Poor	Semi-mature	Short (5-15)	Excessively thin crown density, Co-dominant stems		Protected	Native	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 99.09%, Stormwater: 17.88% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
500	<i>Casuarina glauca</i>	Swamp Sheoak	1	40	50	4.8	72.4	2.5	12	8	Good	Fair	Semi-mature	Medium (15-40)	Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 99.23%, Stormwater: 11.57% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
501	<i>Lagunaria patersonii</i>	Pyramid Tree	1	25.55	41	3.1	29.5	2.3	8	4	Good	Fair	Semi-mature	Medium (15-40)	Wound(s), Crossing/rubbing branches, Co-dominant stems		Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 91.71%, Stormwater: 19.23% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
502	<i>Casuarina glauca</i>	Swamp Sheoak	1	20	25	2.4	18.1	1.8	12	4	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 90.10%, Stormwater: 23.83% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
503	<i>Casuarina glauca</i>	Swamp Sheoak	1	31	35	3.7	43.5	2.1	12	6	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Epicormic shoots, Previous failure(s)		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 88.96%, Stormwater: 15.61% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
504	<i>Salix matsudana 'Tortuosa'</i>	Corkscrew Willow	1	34.48	60	4.1	53.8	2.7	6	6	Poor	Hazardous	Mature	Dead Or Hazardous/Remove (0-5)	Epicormic shoots, Deadwood major (>10cm diameter), Decay, Wound(s), Previous failure(s), Partial failure		Protected	Exotic	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 94.41%, Stormwater: 11.97% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
505	<i>Casuarina glauca</i>	Swamp Sheoak	1	21	28	2.5	20.0	1.9	11	4	Good	Good	Semi-mature	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00%, Stormwater: 8.19% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
506	<i>Lagunaria patersonii</i>	Pyramid Tree	1	36.11	45	4.3	59.0	2.4	10	7	Good	Fair	Mature	Medium (15-40)	Wound(s), Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 96.31%, Stormwater: 13.17% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
507	<i>Pinus radiata</i>	Radiata Pine	1	73.59	81	8.8	245.0	3.0	11	12	Good	Fair	Mature	Medium (15-40)	Deadwood major (>10cm diameter), Co-dominant stems, Crossing/rubbing branches		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 27.95%): Bulk Earthworks: 27.95%, Road/builtform: 27.95%	N	27.95	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
508	<i>Lagunaria patersonii</i>	Pyramid Tree	1	20.62	31	2.5	19.2	2.0	7	4	Good	Good	Semi-mature	Short (5-15)	Co-dominant stems, Self-sown and inappropriately located		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00%, Stormwater: 27.61% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
509	<i>Dead tree</i>	Dead tree	1	36	51	4.3	58.6	2.5	10	7	Dead	Hazardous	Mature	Dead Or Hazardous/Remove (0-5)	Previous failure(s), Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 75.35%, Stormwater: 15.01% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
510	<i>Brachychiton populneus subsp. populneus</i>	Kurrajong	1	31	41	3.7	43.5	2.3	6	5	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 44.51%, Stormwater: 16.87% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
511	<i>Lophostemon confertus</i>	Brushbox	1	32.53	43	3.9	47.9	2.3	9	6	Good	Good	Semi-mature	Long (>40)	Root scalping, Co-dominant stems		Protected	Native	2 (Medium)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
512	<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	1	27	29	3.2	33.0	2.0	6	2	Poor	Poor	Semi-mature	Short (5-15)	Root scalping, Previous failure(s), Epicormic shoots, Co-dominant stems	Crown consistent entirely of epicormics shoots.	Protected	Native	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
513	<i>Lagunaria patersonii</i>	Pyramid Tree	1	41	53	4.9	76.0	2.5	9	7	Good	Good	Mature	Medium (15-40)	Root scalping, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
514	<i>Casuarina glauca</i>	Swamp Sheoak	1	40	47	4.8	72.4	2.4	13	8	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Stormwater: 12.73% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
515	<i>Casuarina glauca</i>	Swamp Sheoak	1	60	70	7.2	162.9	2.8	15	11	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Root scalping, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Stormwater: 8.02% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
516	<i>Ficus microcarpa var hillii</i>	Hills Fig	1	56.54	50	6.8	144.6	2.5	13	15	Good	Fair	Semi-mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Stormwater: 9.36% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
517	<i>Casuarina glauca</i>	Swamp Sheoak	1	36	50	4.3	58.6	2.5	13	8	Good	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Stormwater: 1.29% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
518	<i>Ficus benjamina</i>	Weeping Fig	1	46.01	53	5.5	95.8	2.5	8	10	Good	Fair	Semi-mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 1.52%, Stormwater: 11.20% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
519	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	49.52	51	5.9	110.9	2.5	9	6	Fair	Fair	Semi-mature	Short (5-15)	Suppressed, Wound(s), Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 37.01% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
520	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	69.34	67	8.3	217.5	2.8	12	8	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Mechanical damage, Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 73.73%, Stormwater: 1.73% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
521	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	54.63	63	6.6	135.0	2.7	11	6	Good	Fair	Mature	Medium (15-40)	Wound(s), Mechanical damage, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 90.38% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
522	<i>Banksia integrifolia</i>	Coast Banksia	1	40	55	4.8	72.4	2.6	11	7	Good	Good	Mature	Medium (15-40)	Asymmetrical crown, Deadwood minor (<3cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 94.47%, Stormwater: 8.75% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
523	<i>Casuarina glauca</i>	Swamp Sheoak	1	90.82	86	10.9	373.1	3.1	16	14	Good	Fair	Mature	Short (5-15)	Root scalping, Included bark, Over-extended branch(es), Resin/kino/sap flow, Crack or split, Previous failure(s), Co-dominant stems	Over-extended first-order branches in the northern crown with multiple section of sap staining, possibly due to internal splits.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 81.91%, Foreshore landscape: 28.64%, Road/builtform: 72.93%, Stormwater: 5.66% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
524	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	34	44	4.1	52.3	2.3	7	6	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Co-dominant stems, Wound(s), Suppressed, Asymmetrical crown		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 51.38%, Foreshore landscape: 78.71%, Road/builtform: 81.03% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
525	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	69.97	70	8.4	221.5	2.8	10	10	Good	Fair	Mature	Medium (15-40)	Wound(s), Included bark, Co-dominant stems, Suppressed, Asymmetrical crown		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 1.49%, Foreshore landscape: 100.00%, Road/builtform: 4.81% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
526	<i>Casuarina glauca</i>	Swamp Sheoak	1	100	110	12.0	452.4	3.4	15	14	Good	Hazardous	Mature	Short (5-15)	Crack or split, Included bark, Co-dominant stems, Partial failure, Wound(s), Previous failure(s)	Previous failure of southern stem resulted in a large trunk wound. Horizontal cracking observed on the union of the western stem.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 32.97%, Foreshore landscape: 76.87%, Road/builtform: 26.23% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
527	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	26	33	3.1	30.6	2.1	6	5	Good	Fair	Semi-mature	Medium (15-40)	Suppressed, Asymmetrical crown	Asymmetrical crown with a southern bias due to phototropic growth away from adjacent trees.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
528	<i>Casuarina glauca</i>	Swamp Sheoak	1	53.75	68	6.5	130.7	2.8	14	8	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
529	<i>Casuarina glauca</i>	Swamp Sheoak	1	63.64	78	7.6	183.2	3.0	14	11	Good	Fair	Mature	Medium (15-40)	Mechanical damage, Included bark, Wound(s), Co-dominant stems	Co-dominant stems from ground level.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
530	<i>Eucalyptus microcorys</i>	Tallowood	1	66	85	7.9	197.1	3.1	15	12	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 93.68%, Foreshore landscape: 18.50%, Road/builtform: 79.38% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
531	<i>Eucalyptus botryoides</i>	Mahogany Gum	1	38	35	4.6	65.3	2.1	6	4	Good	Poor	Semi-mature	Short (5-15)	Weak attachments, Wound(s), Asymmetrical crown, Deadwood major (>10cm diameter)	Central stem has died, the remaining live section is poorly attached.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 66.76% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
532	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	50.93	60	6.1	117.3	2.7	11	8	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems, Wound(s), Mechanical damage		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 87.98%, Foreshore landscape: 30.15%, Road/builtform: 42.92% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
533	<i>Casuarina glauca</i>	Swamp Sheoak	1	56	68	6.7	141.9	2.8	15	10	Good	Good	Mature	Medium (15-40)	Wound(s)	Large historic pruning wound on northern side of the trunk.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 45.45%, Foreshore landscape: 72.95%, Road/builtform: 49.37% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
534	<i>Casuarina glauca</i>	Swamp Sheoak	3	14	22	2.0	12.6	1.8	6	3	Good	Poor	Juvenile	Short (5-15)	Co-dominant stems, Growing from cut stump	Groups of suckers. Additional two trees to the south.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
535	<i>Casuarina glauca</i>	Swamp Sheoak	1	43.91	65	5.3	87.2	2.8	8	8	Good	Poor	Semi-mature	Short (5-15)	Self-sown and inappropriately located, Asymmetrical root plate, Co-dominant stems	Growing on rock ledge, likely self seeded.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 99.79% (Encroachment enters the SRZ)	Y	99.79	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
536	<i>Casuarina glauca</i>	Swamp Sheoak	3	21.59	26	2.6	21.1	1.9	8	3	Good	Poor	Juvenile	Short (5-15)	Included bark, Co-dominant stems, Crossing/rubbing branches, Asymmetrical root plate, Self-sown and inappropriately located	Additional two trees towards the waterway.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
537	<i>Casuarina glauca</i>	Swamp Sheoak	1	27.17	28	3.3	33.4	1.9	7	4	Good	Poor	Semi-mature	Short (5-15)	Self-sown and inappropriately located, Co-dominant stems, Asymmetrical root plate		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
538	<i>Casuarina glauca</i>	Swamp Sheoak	1	24.9	35	3.0	28.0	2.1	6	4	Good	Fair	Semi-mature	Short (5-15)	Asymmetrical root plate, Co-dominant stems, Crossing/rubbing branches	Growing on the rock bank of the Cooks River.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
539	<i>Lagunaria patersonii</i>	Pyramid Tree	1	27.5	36	3.3	34.2	2.2	4	3	Good	Poor	Juvenile	Short (5-15)	Co-dominant stems, Crossing/rubbing branches, Included bark	Growing on the rock bank of the Cooks River. Codominant from ground level.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
540	<i>Casuarina glauca</i>	Swamp Sheoak	1	16.67	22	2.0	12.6	1.8	6	4	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Suckers	Group of self-seeded suckers.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
541	<i>Casuarina glauca</i>	Swamp Sheoak	1	67.25	66	8.1	204.6	2.8	12	11	Good	Good	Mature	Medium (15-40)	Asymmetrical root plate, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Over-extended branch(es), Wound(s)	Growing on the rock bank of the Cooks River.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 99.89% (Encroachment enters the SRZ)	Y	99.89	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
542	<i>Casuarina glauca</i>	Swamp Sheoak	1	26.08	30	3.1	30.8	2.0	6	5	Good	Good	Semi-mature	Short (5-15)	Asymmetrical crown, Asymmetrical root plate, Suppressed	Growing on the rock bank of the Cooks River.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
543	<i>Casuarina glauca</i>	Swamp Sheoak	1	16.97	22	2.0	13.0	1.8	4	3	Good	Good	Semi-mature	Short (5-15)	Asymmetrical crown, Deadwood minor (<3cm diameter), Suppressed		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
544	<i>Casuarina glauca</i>	Swamp Sheoak	1	70	73	8.4	221.7	2.9	12	9	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
545	<i>Avicennia marina subsp. australasica</i>	Grey Mangrove	1	9.64	11	2.0	12.6	1.5	2	3	Good	Good	Semi-mature	Long (>40)	Co-dominant stems	This tree has not yet reached dimensions which would provide it protection under the Bayside council DCP, however, this tree species is protected under Federal legislation.	Exempt	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
546	<i>Casuarina glauca</i>	Swamp Sheoak	1	35	43	4.2	55.4	2.3	5	6	Good	Poor	Semi-mature	Short (5-15)	Asymmetrical root plate, Co-dominant stems, Included bark, Poor pruning	This tree has either been topped or lost its leader to dynamic loading. Regrowth is severely congested.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
547	<i>Casuarina glauca</i>	Swamp Sheoak	1	62.2	86	7.5	175.0	3.1	11	11	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Hanger(s), Included bark, Previous failure(s)	Codominant from ground level. Hanger caught up in the upper crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
548	<i>Casuarina glauca</i>	Swamp Sheoak	1	44	61	5.3	87.6	2.7	9	7	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter)		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
549	<i>Casuarina glauca</i>	Swamp Sheoak	1	14.32	18	2.0	12.6	1.6	6	2	Good	Poor	Juvenile	Short (5-15)	Included bark, Poor pruning	Previously topped - congested regrowth. Growing on the rock bank of the Cooks River.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
550	<i>Casuarina glauca</i>	Swamp Sheoak	1	36.24	50	4.3	59.4	2.5	7	5	Good	Poor	Semi-mature	Short (5-15)	Asymmetrical root plate, Co-dominant stems, Deadwood minor (<3cm diameter), Included bark, Poor pruning	Previously topped - congested regrowth. Growing on the rock bank of the Cooks River.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
551	<i>Acacia longifolia</i>	Sydney Golden Wattle	1	16.49	30	2.0	12.6	2.0	3	7	Fair	Poor	Mature	Short (5-15)	Co-dominant stems, Deadwood major (>10cm diameter), Dieback, Partial failure, Previous failure(s), Wound(s)		Exempt	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
552	<i>Lagunaria patersonii</i>	Pyramid Tree	1	16.4	20	2.0	12.6	1.7	5	3	Good	Fair	Juvenile	Medium (15-40)	Asymmetrical root plate, Co-dominant stems, Crossing/rubbing branches	Growing on the rock bank of the Cooks River.	Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
553	<i>Leptospermum laevigatum</i>	Coastal Tea Tree	1	18	22	2.2	14.7	1.8	4	2	Poor	Fair	Mature	Dead Or Hazardous/Rem ove (0-5)	Deadwood minor (<3cm diameter), Dieback, Included bark, Partial failure		Protected	Indigenous	2 (Medium)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
554	<i>Leptospermum laevigatum</i>	Coastal Tea Tree	1	24.84	31	3.0	27.9	2.0	3	6	Poor	Fair	Mature	Dead Or Hazardous/Remove (0-5)	Asymmetrical root plate, Crossing/rubbing branches, Deadwood major (>10cm diameter), Dieback, Excessively thin crown density	Growing on the rock bank of the Cooks River.	Protected	Indigenous	3 (Low)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
555	<i>Lagunaria patersonii</i>	Pyramid Tree	1	12.21	22	2.0	12.6	1.8	3	2	Good	Poor	Semi-mature	Short (5-15)	Growing from cut stump, Suckers	Previously removed tree which has reestablished it's crown.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
556	<i>Leptospermum laevigatum</i>	Coastal Tea Tree	3	17.29	26	2.1	13.5	1.9	4	6	Poor	Poor	Mature	Dead Or Hazardous/Remove (0-5)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Previous failure(s)	Three trees growing on the rock bank of the Cooks River - all in poor condition.	Protected	Indigenous	3 (Low)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
557	<i>Leptospermum laevigatum</i>	Coastal Tea Tree	1	14	19	2.0	12.6	1.6	3	2	Poor	Poor	Mature	Dead Or Hazardous/Remove (0-5)	Asymmetrical crown, Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Previous failure(s)		Protected	Indigenous	3 (Low)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
558	<i>Nerium Oleander</i>	Oleander	1	24.52	40	2.9	27.2	2.3	3	5	Good	Good	Mature	Medium (15-40)	Co-dominant stems		Exempt	Exotic	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
559	<i>Leptospermum laevigatum</i>	Coastal Tea Tree	3	29.46	45	3.5	39.3	2.4	5	2	Poor	Poor	Mature	Dead Or Hazardous/Remove (0-5)	Deadwood moderate (3-10cm diameter), Dieback, Included bark	Additional two trees to the south.	Protected	Indigenous	3 (Low)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
560	<i>Acacia longifolia</i>	Sydney Golden Wattle	1	15.1	20	2.0	12.6	1.7	2	4	Fair	Poor	Mature	Short (5-15)	Co-dominant stems, Deadwood minor (<3cm diameter), Wound(s)	Growing on the rock bank of the Cooks River.	Exempt	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
561	<i>Casuarina glauca</i>	Swamp Sheoak	1	16.19	23	2.0	12.6	1.8	6	4	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Group of self-sown suckers		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
562	<i>Lagunaria patersonii</i>	Pyramid Tree	1	8	17	2.0	12.6	1.6	4	2	Good	Good	Juvenile	Short (5-15)	Group of self-sown suckers		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
563	<i>Casuarina glauca</i>	Swamp Sheoak	1	19.42	40	2.3	17.1	2.3	8	4	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical root plate, Co-dominant stems	Codominant from ground level.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
564	<i>Casuarina glauca</i>	Swamp Sheoak	7	8.12	16	2.0	12.6	1.5	8	6	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Clumps of suckers. Additional six trees to the south.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
565	<i>Casuarina glauca</i>	Swamp Sheoak	1	25	32	3.0	28.3	2.1	9	4	Good	Good	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter)	Growing on the rock bank of the Cooks River.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
566	<i>Casuarina glauca</i>	Swamp Sheoak	1	19	26	2.3	16.3	1.9	9	4	Good	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Asymmetrical root plate, Deadwood moderate (3-10cm diameter)	Growing on the rock bank of the Cooks River.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
567	<i>Casuarina glauca</i>	Swamp Sheoak	4	14	16	2.0	12.6	1.5	8	5	Good	Good	Juvenile	Medium (15-40)	Group of self-sown suckers	Clumps of suckers. Additional three trees to the south. Growing on the rock bank of the Cooks River.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
568	<i>Casuarina glauca</i>	Swamp Sheoak	1	13	18	2.0	12.6	1.6	6	3	Good	Good	Juvenile	Medium (15-40)	Asymmetrical root plate	Growing on the rock bank of the Cooks River.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
569	<i>Avicennia marina subsp. australasica</i>	Grey Mangrove	1	10	15	2.0	12.6	1.5	3	3	Good	Good	Semi-mature	Long (>40)	Asymmetrical crown, Co-dominant stems	Protected under federal legislation. Growing on the rock bank of the Cooks River.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
570	<i>Acacia longifolia</i>	Sydney Golden Wattle	1	14	22	2.0	12.6	1.8	2	5	Poor	Poor	Mature	Dead Or Hazardous/Remove (0-5)	Asymmetrical crown, Decay, Excessively thin crown density, Partial failure, Previous failure(s), Wound(s)	Declining tree.	Exempt	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
571	<i>Lagunaria patersonii</i>	Pyramid Tree	1	7.07	14	2.0	12.6	1.5	3	2	Good	Fair	Juvenile	Short (5-15)	Crossing/rubbing branches, Suppressed	Self-seeded on the rock bank of the Cooks River.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
572	<i>Casuarina glauca</i>	Swamp Sheoak	1	8.94	12	2.0	12.6	1.5	4	2	Good	Good	Juvenile	Short (5-15)	Asymmetrical root plate, Deadwood moderate (3-10cm diameter), Suppressed	Growing on the rock bank of the Cooks River.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
573	<i>Casuarina glauca</i>	Swamp Sheoak	1	30.61	32	3.7	42.4	2.1	6	6	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical root plate, Co-dominant stems, Included bark	Growing on the rock bank of the Cooks River.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
574	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	48.98	66	5.9	108.5	2.8	5	7	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Included bark	Codominant from ground level.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
575	<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	1	46	50	5.5	95.7	2.5	6	6	Poor	Fair	Mature	Short (5-15)	Asymmetrical crown, Asymmetrical root plate, Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Included bark	Growing on the rock bank of the Cooks River.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
576	<i>Ficus elastica</i>	Rubber Tree	1	14.07	70	2.0	12.6	2.8	3	3	Good	Poor	Semi-mature	Short (5-15)	Growing from cut stump	Undesirable tree species growing on the rock bank of the Cooks River.	Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Priority for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
577	<i>Melaleuca armillaris</i>	Bracelet Honey-myrtle	1	45	70	5.4	91.6	2.8	5	7	Poor	Poor	Mature	Short (5-15)	Asymmetrical crown, Deadwood moderate (3-10cm diameter), Decay, Included bark, Wound(s)	Growing on the rock bank of the Cooks River. Large basal trunk wound.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
578	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	27.15	36	3.3	33.3	2.2	5	6	Fair	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood minor (<3cm diameter), Wound(s)		Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
579	<i>Banksia integrifolia</i>	Coast Banksia	1	33	40	4.0	49.3	2.3	8	8	Good	Fair	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Poor pruning, Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
580	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	40	54	4.8	72.4	2.6	8	6	Fair	Poor	Mature	Short (5-15)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Poor pruning, Wound(s)	Large pruning wounds which are expected to develop decay.	Protected	Native	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
581	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	35.38	46	4.2	56.6	2.4	7	6	Good	Good	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Poor pruning, Previous failure(s)		Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
582	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	30	35	3.6	40.7	2.1	11	6	Good	Good	Semi-mature	Long (>40)	Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
583	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	91	110	10.9	374.6	3.4	12	12	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Saturated soil, Wound(s)	Soils inundated at the time of assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
584	<i>Callistemon citrinus</i>	Crimson Bottlebrush	1	18.03	30	2.2	14.7	2.0	5	3	Good	Fair	Mature	Short (5-15)	Crossing/rubbing branches, Deadwood minor (<3cm diameter), Included bark, Saturated soil	Soils inundated at the time of the assessment.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
585	<i>Eucalyptus amplifolia subsp. amplifolia</i>	Cabbage Gum	1	22	30	2.6	21.9	2.0	16	5	Good	Good	Semi-mature	Long (>40)	Deadwood moderate (3-10cm diameter)		Protected	Native	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
586	<i>Eucalyptus tereticornis</i>	Forest Red Gum	1	50	60	6.0	113.1	2.7	21	12	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Wound(s)		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
587	<i>Casuarina glauca</i>	Swamp Sheoak	1	41	51	4.9	76.0	2.5	13	9	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
588	<i>Casuarina glauca</i>	Swamp Sheoak	1	22	32	2.6	21.9	2.1	6	5	Poor	Good	Semi-mature	Short (5-15)	Co-dominant stems, Dieback		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
589	<i>Eucalyptus tereticornis</i>	Forest Red Gum	1	53	58	6.4	127.1	2.6	17	11	Good	Good	Semi-mature	Long (>40)	Included bark, Wound(s)		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 81.73%, Foreshore landscape: 36.79% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
590	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	29	36	3.5	38.0	2.2	9	5	Good	Good	Semi-mature	Long (>40)	Deadwood minor (<3cm diameter), Saturated soil	Surrounding soil inundated during the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
591	<i>Lagunaria patersonii</i>	Pyramid Tree	1	37	46	4.4	61.9	2.4	7	6	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Epicormic shoots, Saturated soil	Surrounding soil inundated during the assessment.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Foreshore landscape: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
592	<i>Casuarina glauca</i>	Swamp Sheoak	1	34	44	4.1	52.3	2.3	11	8	Good	Good	Semi-mature	Medium (15-40)	Included bark	Lowest lateral competing for apical dominance.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 9.99%, Foreshore landscape: 100.00%, Road/builtform: 9.99% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
593	<i>Casuarina glauca</i>	Swamp Sheoak	1	79	100	9.5	282.3	3.3	17	19	Good	Good	Mature	Medium (15-40)	Crossing/rubbing branches, Previous failure(s), Root scalping, Saturated soil	Surrounding soil inundated during the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 94.15%): Bulk Earthworks: 70.58%, Foreshore landscape: 1.39%, Road/builtform: 66.49% (Encroachment enters the SRZ)	Y	94.15	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
594	<i>Casuarina glauca</i>	Swamp Sheoak	1	38.9	66	4.7	68.5	2.8	8	6	Poor	Good	Senescent	Short (5-15)	Co-dominant stems, Deadwood moderate (3-10cm diameter)		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 88.86% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
595	<i>Casuarina glauca</i>	Swamp Sheoak	1	40	54	4.8	72.4	2.6	10	10	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Over-extended branch(es), Previous failure(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 44.31% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
596	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	27	33	3.2	33.0	2.1	8	3	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
597	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	73.55	78	8.8	244.7	3.0	15	8	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Included bark	Thinning southern crown.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 98.37%, Foreshore landscape: 10.14%, Road/builtform: 50.20% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
598	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	89.2	80	10.7	359.9	3.0	14	13	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark	Codominant from ground level.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
599	<i>Casuarina glauca</i>	Swamp Sheoak	1	63.41	72	7.6	181.9	2.9	16	13	Excellent	Poor	Mature	Medium (15-40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
600	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	67.82	76	8.1	208.1	2.9	11	11	Fair	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
601	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	49.77	55	6.0	112.1	2.6	7	8	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Epicormic shoots, Included bark, Mechanical damage, Over-extended branch(es), Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
602	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	51.66	59	6.2	120.7	2.7	7	5	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Dieback, Included bark, Mechanical damage, Wound(s)	Twiggy dieback.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
603	<i>Eucalyptus tereticornis</i>	Forest Red Gum	1	29	34	3.5	38.0	2.1	9	4	Good	Fair	Semi-mature	Medium (15-40)	Included bark, Leaf feeding insect		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
604	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	82	96	9.8	304.2	3.3	12	13	Good	Good	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 23.68% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
605	<i>Casuarina glauca</i>	Swamp Sheoak	1	42	43	5.0	79.8	2.3	12	9	Good	Hazardous	Semi-mature	Dead Or Hazardous/Remove (0-5)	Deadwood moderate (3-10cm diameter), Included bark, Partial failure, Significant fault - cracked/split branches	Primary bifurcation has partially failed.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
606	<i>Casuarina glauca</i>	Swamp Sheoak	1	35	49	4.2	55.4	2.5	9	7	Good	Fair	Semi-mature	Medium (15-40)	Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
607	<i>Casuarina glauca</i>	Swamp Sheoak	1	33	38	4.0	49.3	2.2	5	4	Good	Hazardous	Semi-mature	Dead Or Hazardous/Remove (0-5)	Previous failure(s), Wound(s)	Single lateral branch remaining following multiple significant failures.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
608	<i>Casuarina glauca</i>	Swamp Sheoak	1	34.21	46	4.1	52.9	2.4	10	5	Fair	Poor	Semi-mature	Short (5-15)	Cavity, Co-dominant stems, Partial failure	Seperation noted between the two leaders.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
609	Casuarina glauca	Swamp Sheoak	1	40.82	47	4.9	75.4	2.4	13	7	Good	Fair	Semi-mature	Medium (15-40)	Included bark		Exempt	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 9.17% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
610	Casuarina glauca	Swamp Sheoak	1	39	51	4.7	68.8	2.5	4	2	Good	Hazardous	Semi-mature	Dead Or Hazardous/Remove (0-5)	Previous failure(s), Wound(s)	Single lateral branch inundated during the assessment.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
611	Melaleuca quinquenervia	Broad-leaved Paperbark	1	59	60	7.1	157.5	2.7	11	7	Good	Good	Semi-mature	Long (>40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Saturated soil	Surrounding soil inundated during the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
612	Eucalyptus robusta	Swamp Mahogany	1	60	71	7.2	162.9	2.9	14	15	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Root scalping, Saturated soil, Wound(s)	Surrounding soil inundated during the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
613	Casuarina glauca	Swamp Sheoak	1	62	78	7.4	173.9	3.0	15	14	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Included bark, Saturated soil	Surrounding soil inundated during the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 7.76%, Stormwater: 8.65% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
614	Casuarina glauca	Swamp Sheoak	1	64.82	85	7.8	190.1	3.1	16	11	Excellent	Poor	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Wound(s)	First order branch from ground level.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
615	Ulmus parvifolia	Chinese Elm	1	56.22	84	6.7	143.0	3.1	9	17	Good	Good	Mature	Long (>40)	Deadwood major (>10cm diameter), Poor pruning		Protected	Exotic	2 (Medium)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 33.46%, Stormwater: 8.94% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
616	Araucaria columnaris	Cook Pine	1	53	61	6.4	127.1	2.7	19	4	Good	Good	Semi-mature	Long (>40)			Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
617	Casuarina glauca	Swamp Sheoak	1	41.34	48	5.0	77.3	2.4	11	12	Good	Hazardous	Semi-mature	Dead Or Hazardous/Remove (0-5)	Included bark, Partial failure, Resin/kino/sap flow, Significant fault - cracked/split branches	Partial failure of the second order branch junction supporting the eastern crown.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 19.39% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
618	Casuarina glauca	Swamp Sheoak	1	32	42	3.8	46.3	2.3	12	6	Fair	Fair	Semi-mature	Short (5-15)	Previous failure(s), Wound(s)	Large trunk wound following a failure at a branch attachment.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 63.29% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
619	Pinus radiata	Radiata Pine	1	74	80	8.9	247.7	3.0	10	8	Poor	Poor	Mature	Short (5-15)	Deadwood major (>10cm diameter)	The tree is in decline with evidence of disease present, with multiple branches rapidly declining.	Protected	Exotic	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 65.95%, Stormwater: 7.27% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
620	Ficus microcarpa var hillii	Hills Fig	1	34.44	47	4.1	53.7	2.4	8	7	Good	Fair	Semi-mature	Long (>40)	Root scalping, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
621	Melaleuca quinquenervia	Broad-leaved Paperbark	1	86.08	115	10.3	335.2	3.5	12	14	Good	Poor	Mature	Medium (15-40)	Wound(s), Included bark, Co-dominant stems, Previous failure(s)	Historic failure of south-western stem resulting in a large trunk wound.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 38.58% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
622	Melaleuca quinquenervia	Broad-leaved Paperbark	1	79.4	100	9.5	285.2	3.3	12	14	Good	Good	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 19.38% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
623	Melaleuca quinquenervia	Broad-leaved Paperbark	1	102.99	125	12.4	479.8	3.6	12	15	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Co-dominant stems, Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 88.79%, Foreshore landscape: 19.09%, Road/builtform: 26.63% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
624	Melaleuca quinquenervia	Broad-leaved Paperbark	1	52.17	80	6.3	123.1	3.0	10	8	Good	Fair	Mature	Medium (15-40)	Suppressed, Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 23.80% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
625	Melaleuca quinquenervia	Broad-leaved Paperbark	1	88.54	100	10.6	354.6	3.3	12	15	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Co-dominant stems, Root scalping		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 9.39% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
626	Pinus radiata	Radiata Pine	1	59	76	7.1	157.5	2.9	12	10	Poor	Poor	Mature	Short (5-15)	Deadwood major (>10cm diameter), Excessively thin crown density	Section for dead branches throughout the remaining crown indicate a disease may be present.	Protected	Exotic	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
627	Dead tree	Dead tree	1	35	45	4.2	55.4	2.4	6	1	Dead	Hazardous	Mature	Dead Or Hazardous/Remove (0-5)	Fungal fruiting body(s), Significant fault - standing dead tree, Asymmetrical crown		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
628	<i>Acacia saligna</i>	Golden Wreath Wattle	1	17	25	2.0	13.1	1.8	6	5	Good	Hazardous	Mature	Dead Or Hazardous/Remove (0-5)	Previous failure(s), Partial failure, Asymmetrical crown		Protected	Native	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
629	<i>Casuarina glauca</i>	Swamp Sheoak	1	38.48	48	4.6	67.0	2.4	12	8	Good	Poor	Semi-mature	Short (5-15)	Co-dominant stems, Included bark		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
630	<i>Casuarina glauca</i>	Swamp Sheoak	3	17.46	24	2.1	13.8	1.8	10	4	Good	Poor	Semi-mature	Short (5-15)	Weak attachments, Co-dominant stems, Crossing/rubbing branches, Growing from cut stump	Additional two tree to the north.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
631	<i>Casuarina glauca</i>	Swamp Sheoak	1	31.48	33	3.8	44.8	2.1	11	5	Good	Poor	Semi-mature	Short (5-15)	Included bark, Co-dominant stems		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 21.46% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
632	<i>Casuarina glauca</i>	Swamp Sheoak	1	18.47	22	2.2	15.4	1.8	10	4	Good	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Growing from cut stump		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 50.92% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
633	<i>Corymbia ficifolia</i>	Flowering Gum	1	47.9	48	5.7	103.8	2.4	7	10	Excellent	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter)		Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 20.36% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
634	<i>Pinus radiata</i>	Radiata Pine	1	55	70	6.6	136.8	2.8	9	10	Fair	Good	Mature	Short (5-15)			Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 62.69%, Stormwater: 10.64% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
635	<i>Callistemon viminalis</i>	Weeping Bottlebrush	2	12.25	20	2.0	12.6	1.7	3	2	Fair	Poor	Semi-mature	Short (5-15)	Previous failure(s), Wound(s), Co-dominant stems, Crossing/rubbing branches	Additional tree to the southeast.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 59.26% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
636	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	9.49	15	2.0	12.6	1.5	3	3	Fair	Poor	Semi-mature	Short (5-15)	Suppressed, Asymmetrical crown, Crossing/rubbing branches		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 30.98% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
637	<i>Melaleuca bracteata</i>	Black Tea Tree	1	39	40	4.7	68.8	2.3	8	6	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 50.77% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
638	<i>Banksia integrifolia</i>	Coast Banksia	1	23	28	2.8	23.9	1.9	7	6	Good	Hazardous	Semi-mature	Dead Or Hazardous/Remove (0-5)	Asymmetrical crown, Partial failure, Root plate movement	Partial failure of root plate.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 44.90% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
639	<i>Melaleuca bracteata</i>	Black Tea Tree	1	49.2	75	5.9	109.5	2.9	8	8	Good	Fair	Mature	Medium (15-40)	Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 41.76% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
640	<i>Banksia integrifolia</i>	Coast Banksia	1	38.42	45	4.6	66.8	2.4	10	8	Good	Good	Mature	Medium (15-40)	Wound(s), Resin/kino/sap flow, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 60.38% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
641	<i>Banksia integrifolia</i>	Coast Banksia	1	37.44	60	4.5	63.4	2.7	10	6	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 74.46% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
642	<i>Callistemon salignus</i>	White Bottlebrush	1	18	20	2.2	14.7	1.7	5	4	Good	Poor	Semi-mature	Short (5-15)	Suppressed, Asymmetrical crown		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 98.78% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
643	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	118.16	115	14.2	631.6	3.5	17	15	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 62.91%, Road/builtform: 41.54% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
644	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	80.99	70	9.7	296.7	2.8	18	12	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 69.12%, Road/builtform: 50.27% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
645	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	90.11	89	10.8	367.3	3.2	15	12	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 80.94%, Road/builtform: 54.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
646	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	56	56	6.7	141.9	2.6	16	8	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems	Poorly formed stem union.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 68.47%, Road/builtform: 56.71% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
647	<i>Ficus elastica</i>	Rubber Tree	1	54.38	115	6.5	133.8	3.5	16	12	Good	Poor	Mature	Short (5-15)	Co-dominant stems, Epicormic shoots, Weak attachments, Growing from cut stump, Self-sown and inappropriately located		Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 98.57%, Road/builtform: 69.32% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
648	<i>Murroya paniculata</i>	Mock Orange	5	14.7	21	2.0	12.6	1.7	5	5	Good	Good	Semi-mature	Medium (15-40)	Crossing/rubbing branches, Co-dominant stems	Additional four trees to the north.	Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 63.59% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
649	<i>Lagunaria patersonii</i>	Pyramid Tree	1	34	39	4.1	52.3	2.2	15	8	Good	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 81.90% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
650	<i>Lagunaria patersonii</i>	Pyramid Tree	1	15.56	19	2.0	12.6	1.6	11	6	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Epicormic shoots, Asymmetrical crown, Suppressed		Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 68.21% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
651	<i>Lagunaria patersonii</i>	Pyramid Tree	1	11	15	2.0	12.6	1.5	11	4	Good	Fair	Semi-mature	Medium (15-40)	Epicormic shoots, Suppressed, Asymmetrical crown		Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 80.77% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
652	<i>Lagunaria patersonii</i>	Pyramid Tree	1	26.87	29	3.2	32.7	2.0	10	5	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Suppressed, Asymmetrical crown		Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 83.95% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
653	<i>Banksia integrifolia</i>	Coast Banksia	1	25.06	36	3.0	28.4	2.2	9	8	Good	Fair	Semi-mature	Medium (15-40)	Suppressed, Asymmetrical crown, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 90.24% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
654	<i>Lagunaria patersonii</i>	Pyramid Tree	1	13.04	23	2.0	12.6	1.8	8	3	Good	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Suppressed		Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
655	<i>Casuarina glauca</i>	Swamp Sheoak	1	9	11	2.0	12.6	1.5	10	3	Good	Good	Juvenile	Medium (15-40)		Minimal trunk taper due to forest form.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
656	<i>Pinus sp.</i>	Pine	1	65	73	7.8	191.1	2.9	15	13	Good	Poor	Mature	Short (5-15)	Wound(s), Previous failure(s)	Historic failure has resulted in a large wound on northern stem.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 84.35% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
657	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	97.95	110	11.8	434.0	3.4	18	12	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 78.57% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
658	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	97.22	84	11.7	427.6	3.1	18	14	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 79.39% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
659	<i>Lagunaria patersonii</i>	Pyramid Tree	1	5	7	2.0	12.6	1.5	4	2	Good	Good	Young	Short (5-15)			Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 91.73% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
660	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	57.63	67	6.9	150.2	2.8	18	12	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems	Ficus sp growing around the trunk and primary union.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 67.65% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
661	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	91.87	120	11.0	381.8	3.6	18	15	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 57.98% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
662	<i>Strelitzia nicolai</i>	Giant Bird of Paradise	1	53.89	0	6.5	131.4		6	5	Good	Good	Semi-mature	Short (5-15)	Self-sown and inappropriately located		Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 36.20% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
663	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	92.4	105	11.1	386.2	3.4	18	14	Good	Fair	Mature	Medium (15-40)	Deadwood major (>10cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 43.34% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
664	<i>Pittosporum undulatum</i>	Sweet Pittosporum	1	5	7	2.0	12.6	1.5	5	3	Good	Good	Juvenile	Short (5-15)			Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 8.45% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
665	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	117.69	95	14.1	626.6	3.2	17	14	Good	Fair	Mature	Medium (15-40)	Hanger(s), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 39.26% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
666	<i>Lagunaria patersonii</i>	Pyramid Tree	1	4	8	2.0	12.6	1.5	3	2	Good	Good	Juvenile	Short (5-15)	Self-sown and inappropriately located		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
667	<i>Pinus sp.</i>	Pine	1	34	41	4.1	52.3	2.3	12	7	Fair	Good	Semi-mature	Medium (15-40)	Asymmetrical crown, Deadwood moderate (3-10cm diameter)		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 34.36% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
668	<i>Gleditsia triacanthos 'Shademaster'</i>	Honey Locust	1	34.07	44	4.1	52.5	2.3	11	11	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Asymmetrical crown, Included bark	Three stems originating from ground level.	Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
669	Casuarina glauca	Swamp Sheoak	1	58	70	7.0	152.2	2.8	14	10	Good	Fair	Mature	Medium (15-40)	Decay, Wound(s), Included bark, Co-dominant stems, Root scalping	Previous failure of first-order branch on northern stem resulted in a large wound.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
670	Casuarina glauca	Swamp Sheoak	1	53	60	6.4	127.1	2.7	16	10	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
671	Melaleuca sp.	Paperbark	1	24.92	27	3.0	28.1	1.9	6	6	Good	Fair	Semi-mature	Short (5-15)	Included bark, Co-dominant stems, Suppressed, Asymmetrical crown		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
672	Casuarina glauca	Swamp Sheoak	1	44	54	5.3	87.6	2.6	15	10	Good	Good	Mature	Long (>40)	Co-dominant stems		Protected	Indigenous	2 (Medium)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
673	Casuarina glauca	Swamp Sheoak	1	62	78	7.4	173.9	3.0	16	14	Good	Fair	Mature	Medium (15-40)	Poor pruning, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 10.33% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
674	Corymbia gummifera	Red bloodwood	1	13	30	2.0	12.6	2.0	7	2	Poor	Poor	Semi-mature	Short (5-15)	Crossing/rubbing branches, Epicormic shoots, Poor pruning, Co-dominant stems		Protected	Native	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 74.38% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
675	Melaleuca linariifolia	Snow-in-summer	1	32	36	3.8	46.3	2.2	5	6	Fair	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 60.32% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
676	Callistemon viminalis	Weeping Bottlebrush	1	47.78	50	5.7	103.3	2.5	5	7	Good	Fair	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 59.58% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
677	Callistemon viminalis	Weeping Bottlebrush	1	43.57	50	5.2	85.9	2.5	7	8	Fair	Fair	Mature	Short (5-15)	Poor pruning, Previous failure(s), Included bark, Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 48.04%): Bulk Earthworks: 48.01%, Road/builtform: 48.02% (Encroachment enters the SRZ)	Y	48.04	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
678	Callistemon viminalis	Weeping Bottlebrush	1	39	44	4.7	68.8	2.3	7	6	Good	Good	Mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Poor pruning, Wound(s)	Eastern stem recently pruned with a poor collar cut, resulting in an asymmetrical canopy.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.01%): Bulk Earthworks: 59.50%, Road/builtform: 59.50% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
679	Melaleuca quinquenervia	Broad-leaved Paperbark	1	72.2	68	8.7	235.8	2.8	11	13	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
680	Ulmus parvifolia	Chinese Elm	1	49	72	5.9	108.6	2.9	15	10	Good	Poor	Mature	Short (5-15)	Crossing/rubbing branches, Wound(s), Previous failure(s)	Previous failures of first-order branches. Trunk wound and small cavity located on the trunk.	Protected	Exotic	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
681	Ulmus parvifolia	Chinese Elm	1	43.86	60	5.3	87.0	2.7	13	12	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Wound(s), Suppressed, Asymmetrical crown		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
682	Phoenix canariensis	Canary Island Date Palm	1	72	0	8.6	234.5		14	8	Good	Good	Mature	Long (>40)	Deadwood major (>10cm diameter)		Protected	Exotic	2 (Medium)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
683	Pinus radiata	Radiata Pine	1	76	85	9.1	261.3	3.1	14	12	Fair	Good	Mature	Medium (15-40)	Root scalping, Deadwood major (>10cm diameter), Co-dominant stems		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
684	Melaleuca quinquenervia	Broad-leaved Paperbark	1	73.55	83	8.8	244.7	3.1	11	8	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
685	Melaleuca quinquenervia	Broad-leaved Paperbark	1	50.93	48	6.1	117.3	2.4	10	10	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
686	Melaleuca quinquenervia	Broad-leaved Paperbark	1	92	85	11.0	382.9	3.1	16	12	Good	Fair	Mature	Medium (15-40)	Root scalping, Mechanical damage. Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
687	Melaleuca quinquenervia	Broad-leaved Paperbark	1	102.63	105	12.3	476.5	3.4	16	12	Good	Fair	Mature	Medium (15-40)	Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 0.02%	N	0.02	Minor	No significant impact expected provided tree protection measures are installed and maintained.	Retain - generic	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.
688	Eucalyptus botryoides	Mahogany Gum	1	50	60	6.0	113.1	2.7	16	12	Good	Poor	Mature	Short (5-15)	Root scalping, Asymmetrical crown, Deadwood major (>10cm diameter), Hanger(s), Wound(s), Previous failure(s)		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
689	Melaleuca quinquenervia	Broad-leaved Paperbark	1	61	71	7.3	168.3	2.9	15	10	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
690	Melaleuca quinquenervia	Broad-leaved Paperbark	1	87.68	82	10.5	347.8	3.0	14	12	Good	Fair	Mature	Medium (15-40)	Suppressed, Asymmetrical crown, Co-dominant stems, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
691	Lagunaria patersonii	Pyramid Tree	1	58	68	7.0	152.2	2.8	15	13	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Included bark		Protected	Native	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
692	Melaleuca quinquenervia	Broad-leaved Paperbark	1	120	120	14.4	651.4	3.6	14	15	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
693	Araucaria heterophylla	Norfolk Island Pine	1	57	61	6.8	147.0	2.7	16	11	Good	Good	Semi-mature	Long (>40)			Protected	Native	1 (High)	High - Priority for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
694	Dead tree	Dead tree	1	55	65	6.6	136.8	2.8	4	2	Dead	Poor	Mature	Dead Or Hazardous/Remove (0-5)	Previous failure(s), Significant fault - standing dead tree		Protected	Dead or other	5 (Hazardous / Irreversible Decline)	Priority for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
695	Pinus sp.	Pine	1	41.62	53	5.0	78.4	2.5	9	6	Fair	Good	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Co-dominant stems		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
696	Melaleuca quinquenervia	Broad-leaved Paperbark	1	75	92	9.0	254.5	3.2	13	12	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 3.32%): Bulk Earthworks: 3.32%, Road/builtform: 3.32%	N	3.32	Minor	No significant impact expected provided tree protection measures are installed and maintained.	Retain - generic	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
697	Pinus sp.	Pine	1	49	57	5.9	108.6	2.6	14	10	Good	Good	Mature	Medium (15-40)	Resin/kino/sap flow, Deadwood moderate (3-10cm diameter)		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 26.09%): Bulk Earthworks: 26.09%, Road/builtform: 26.09% (Encroachment enters the SRZ)	Y	26.09	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
698	Pinus sp.	Pine	1	53	60	6.4	127.1	2.7	14	10	Good	Good	Mature	Medium (15-40)	Root scalping, Resin/kino/sap flow, Deadwood major (>10cm diameter)		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 41.89%): Bulk Earthworks: 41.89%, Road/builtform: 39.53% (Encroachment enters the SRZ)	Y	41.89	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
699	Lagunaria patersonii	Pyramid Tree	1	28	42	3.4	35.5	2.3	6	5	Good	Good	Semi-mature	Medium (15-40)	Epicormic shoots, Co-dominant stems, Root scalping, Wound(s)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 98.24%, Stormwater: 3.58% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
700	Lagunaria patersonii	Pyramid Tree	1	45.65	51	5.5	94.3	2.5	9	6	Good	Good	Mature	Medium (15-40)	Crossing/rubbing branches, Wound(s), Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 93.52%, Stormwater: 8.13% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
701	Lagunaria patersonii	Pyramid Tree	1	57.38	63	6.9	148.9	2.7	11	9	Good	Good	Mature	Medium (15-40)	Cavity, Root scalping, Wound(s), Previous failure(s), Deadwood minor (<3cm diameter), Epicormic shoots, Co-dominant stems	Small cavity of the western side of the trunk.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 73.84% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
702	Lagunaria patersonii	Pyramid Tree	1	16	24	2.0	12.6	1.8	6	3	Poor	Fair	Semi-mature	Short (5-15)	Epicormic shoots, Wound(s), Root scalping, Asymmetrical crown, Suppressed		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 71.29% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
703	Lagunaria patersonii	Pyramid Tree	1	53.14	59	6.4	127.7	2.7	10	9	Good	Good	Mature	Medium (15-40)	Root scalping, Wound(s), Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 16.64% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
704	Lagunaria patersonii	Pyramid Tree	1	33	53	4.0	49.3	2.5	7	5	Good	Good	Mature	Medium (15-40)	Wound(s)	Minor trunk wounds.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
705	Lagunaria patersonii	Pyramid Tree	1	36.12	46	4.3	59.0	2.4	7	6	Fair	Fair	Mature	Short (5-15)	Included bark, Poor pruning, Co-dominant stems		Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
706	Lagunaria patersonii	Pyramid Tree	1	45.09	53	5.4	92.0	2.5	8	5	Poor	Fair	Mature	Short (5-15)	Dieback, Epicormic shoots, Included bark, Co-dominant stems, Wound(s)		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
707	<i>Lagunaria patersonii</i>	Pyramid Tree	1	29.5	40	3.5	39.4	2.3	6	5	Fair	Fair	Mature	Short (5-15)	Wound(s), Epicormic shoots, Co-dominant stems		Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
708	<i>Lagunaria patersonii</i>	Pyramid Tree	1	27.8	40	3.3	35.0	2.3	5	4	Fair	Fair	Mature	Short (5-15)	Wound(s), Included bark, Co-dominant stems, Epicormic shoots, Root scalping		Protected	Native	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
709	<i>Casuarina glauca</i>	Swamp Sheoak	1	50.21	70	6.0	114.0	2.8	13	8	Good	Fair	Mature	Medium (15-40)	Root scalping, Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
710	<i>Casuarina glauca</i>	Swamp Sheoak	1	67	84	8.0	203.1	3.1	12	10	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
711	<i>Lagunaria patersonii</i>	Pyramid Tree	1	35.51	49	4.3	57.0	2.5	7	6	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Included bark, Wound(s), Co-dominant stems, Epicormic shoots, Poor pruning		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 87.03% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
712	<i>Lagunaria patersonii</i>	Pyramid Tree	1	48.52	55	5.8	106.5	2.6	8	6	Good	Fair	Mature	Medium (15-40)	Included bark, Poor pruning, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 90.88%, Stormwater: 0.25% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
713	<i>Lagunaria patersonii</i>	Pyramid Tree	1	51.62	52	6.2	120.5	2.5	9	7	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Root scalping, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.01%): Bulk Earthworks: 66.83%, Road/builtform: 61.44%, Stormwater: 8.98% (Encroachment enters the SRZ)	Y	100.01	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
714	<i>Casuarina glauca</i>	Swamp Sheoak	1	30.41	35	3.6	41.8	2.1	7	5	Good	Poor	Semi-mature	Short (5-15)	Included bark, Weak attachments, Poor pruning, Crossing/rubbing branches, Co-dominant stems		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
715	<i>Callistemon citrinus</i>	Crimson Bottlebrush	1	10.63	23	2.0	12.6	1.8	3	3	Fair	Poor	Juvenile	Short (5-15)	Wound(s), Poor pruning, Co-dominant stems, Crossing/rubbing branches		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
716	<i>Lagunaria patersonii</i>	Pyramid Tree	1	40.36	42	4.8	73.7	2.3	6	5	Good	Fair	Mature	Medium (15-40)	Wound(s), Co-dominant stems, Included bark, Crossing/rubbing branches		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
717	<i>Lagunaria patersonii</i>	Pyramid Tree	1	38.95	48	4.7	68.6	2.4	9	6	Good	Fair	Mature	Medium (15-40)	Wound(s), Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
718	<i>Casuarina glauca</i>	Swamp Sheoak	1	50.45	61	6.1	115.1	2.7	10	7	Good	Good	Mature	Medium (15-40)	Mechanical damage, Wound(s), Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
719	<i>Lagunaria patersonii</i>	Pyramid Tree	1	32	45	3.8	46.3	2.4	7	5	Good	Poor	Mature	Medium (15-40)	Epicormic shoots, Wound(s), Root scalping, Included bark, Crossing/rubbing branches, Co-dominant stems, Poor pruning		Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
720	<i>Lagunaria patersonii</i>	Pyramid Tree	1	47.01	60	5.6	100.0	2.7	8	7	Good	Fair	Mature	Medium (15-40)	Previous failure(s), Wound(s), Root scalping, Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
721	<i>Lagunaria patersonii</i>	Pyramid Tree	1	64.09	65	7.7	185.8	2.8	8	7	Good	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Poor pruning, Wound(s), Included bark, Co-dominant stems		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
722	<i>Schinus molle var. areira</i>	Pepper Tree	1	28	36	3.4	35.5	2.2	6	5	Poor	Fair	Semi-mature	Short (5-15)	Dieback, Wound(s), Deadwood moderate (3-10cm diameter)		Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
723	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	48.36	48	5.8	105.8	2.4	7	7	Good	Fair	Semi-mature	Medium (15-40)	Mechanical damage, Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
724	<i>Ulmus parvifolia</i>	Chinese Elm	1	30	37	3.6	40.7	2.2	9	10	Poor	Fair	Mature	Short (5-15)	Epicormic shoots, Wound(s), Deadwood major (>10cm diameter)	A significant portion of the north-eastern canopy has died. Inspected during deciduous period.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
725	<i>Ulmus parvifolia</i>	Chinese Elm	1	42.01	46	5.0	79.8	2.4	11	12	Fair	Fair	Mature	Short (5-15)	Wound(s), Co-dominant stems, Deadwood major (>10cm diameter)	Inspected during deciduous period. Basal wound on southern side of the tree which extends to 2m above ground level on the southern stem. Poor response growth around margin.	Protected	Exotic	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
726	<i>Casuarina glauca</i>	Swamp Sheoak	1	51	73	6.1	117.7	2.9	15	12	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
727	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	34.06	38	4.1	52.5	2.2	10	7	Good	Poor	Semi-mature	Short (5-15)	Epicormic shoots, Root scalping, Included bark, Wound(s), Previous failure(s), Co-dominant stems	Historic stem failure resulted in large trunk wound on the southern side of the tree.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
728	<i>Casuarina glauca</i>	Swamp Sheoak	1	57	61	6.8	147.0	2.7	14	12	Good	Good	Mature	Medium (15-40)	Mechanical damage, Wound(s), Poor pruning, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
729	<i>Casuarina glauca</i>	Swamp Sheoak	1	56	80	6.7	141.9	3.0	15	12	Good	Good	Mature	Medium (15-40)	Mechanical damage, Co-dominant stems, Wound(s)	Large pruning wound on southern side of the trunk.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
730	<i>Ulmus parvifolia</i>	Chinese Elm	1	31	36	3.7	43.5	2.2	11	13	Good	Good	Mature	Medium (15-40)	Hanger(s), Root scalping, Co-dominant stems, Deadwood moderate (3-10cm diameter)	Inspected during deciduous period.	Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
731	<i>Ulmus parvifolia</i>	Chinese Elm	1	38	48	4.6	65.3	2.4	11	14	Good	Good	Mature	Medium (15-40)	Root scalping, Co-dominant stems, Deadwood major (>10cm diameter)	Inspected during deciduous period.	Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
732	<i>Ulmus parvifolia</i>	Chinese Elm	1	32	45	3.8	46.3	2.4	11	12	Good	Good	Mature	Medium (15-40)	Root scalping, Deadwood moderate (3-10cm diameter)		Protected	Exotic	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
733	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	34.09	41	4.1	52.6	2.3	7	7	Good	Fair	Mature	Medium (15-40)	Weak attachments, Included bark, Co-dominant stems		Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
734	<i>Casuarina glauca</i>	Swamp Sheoak	1	45	50	5.4	91.6	2.5	14	11	Good	Fair	Mature	Medium (15-40)	Cavity, Resin/kino/sap flow, Included bark, Co-dominant stems	Bulged response growth observed on the trunk, possible cavity. Multiple 'Witches Broom' growth within the crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
735	<i>Casuarina glauca</i>	Swamp Sheoak	1	54	64	6.5	131.9	2.7	13	10	Good	Poor	Mature	Short (5-15)	Root scalping, Mechanical damage, Resin/kino/sap flow, Epicormic shoots, Wound(s), Co-dominant stems, Previous failure(s), Asymmetrical crown		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
736	<i>Casuarina glauca</i>	Swamp Sheoak	1	56.6	68	6.8	144.9	2.8	14	10	Good	Poor	Mature	Short (5-15)	Wound(s), Decay, Co-dominant stems, Previous failure(s)	Two previous failures of first-order branches resulting in large wounds with evidence of internal decay.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
737	<i>Casuarina glauca</i>	Swamp Sheoak	1	60.44	70	7.3	165.3	2.8	16	12	Good	Poor	Mature	Short (5-15)	Asymmetrical crown, Crossing/rubbing branches, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
738	<i>Casuarina glauca</i>	Swamp Sheoak	1	58.46	68	7.0	154.6	2.8	13	9	Good	Poor	Mature	Short (5-15)	Crossing/rubbing branches, Weak attachments, Included bark, Co-dominant stems		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
739	<i>Casuarina glauca</i>	Swamp Sheoak	1	59	71	7.1	157.5	2.9	14	11	Good	Fair	Mature	Medium (15-40)	Wound(s), Resin/kino/sap flow, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
740	<i>Casuarina glauca</i>	Swamp Sheoak	1	55	68	6.6	136.8	2.8	16	11	Good	Poor	Mature	Medium (15-40)	Over-extended branch(es), Previous failure(s), Saturated soil, Wound(s)	Surrounding soils inundated during the assessment. Multiple previous branch failures through the crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 1.22% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
741	<i>Melaleuca bracteata</i>	Black Tea Tree	1	16.88	28	2.0	12.9	1.9	4	4	Poor	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Deadwood minor (<3cm diameter), Dieback, Included bark, Saturated soil	Surrounding soils inundated during the assessment.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
742	<i>Casuarina glauca</i>	Swamp Sheoak	1	50	60	6.0	113.1	2.7	14	12	Fair	Poor	Mature	Short (5-15)	Asymmetrical crown, Cavity, Wound(s)	The western leader has previously been removed. Decay may have spread into the root crown.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
743	<i>Lagunaria patersonii</i>	Pyramid Tree	1	51.62	60	6.2	120.5	2.7	13	7	Fair	Fair	Mature	Medium (15-40)	Crossing/rubbing branches, Included bark		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
744	<i>Melaleuca bracteata</i>	Black Tea Tree	1	43.01	70	5.2	83.7	2.8	7	8	Good	Fair	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Included bark		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 1.69%	N	1.69	Minor	No significant impact expected provided tree protection measures are installed and maintained.	Retain - generic	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.
745	<i>Stenocarpus sinuatus</i>	Fire Wheel	1	33.79	53	4.1	51.7	2.5	7	7	Good	Poor	Semi-mature	Medium (15-40)	Co-dominant stems, Epicormic shoots	Multiple stems from ground level.	Protected	Native	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
746	<i>Casuarina glauca</i>	Swamp Sheoak	1	76	86	9.1	261.3	3.1	13	10	Good	Fair	Mature	Medium (15-40)	Hanger(s), Included bark, Mechanical damage, Poor pruning, Saturated soil, Wound(s)	First order limb pruned at 1.5m. Soils were inundated at the time of the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
747	<i>Casuarina glauca</i>	Swamp Sheoak	1	64.03	79	7.7	185.5	3.0	13	11	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Saturated soil	Soils were inundated at the time of the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
748	<i>Casuarina glauca</i>	Swamp Sheoak	1	40	49	4.8	72.4	2.5	9	10	Fair	Fair	Semi-mature	Medium (15-40)	Included bark	Thinning upper crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
749	<i>Casuarina glauca</i>	Swamp Sheoak	1	68	80	8.2	209.2	3.0	13	14	Fair	Poor	Mature	Short (5-15)	Asymmetrical crown, Deadwood moderate (3-10cm diameter), Decay, Epicormic shoots, Included bark, Previous failure(s), Wound(s)	Dysfunction and decay spreading from a first-order branch stub at 1 metre.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
750	<i>Casuarina glauca</i>	Swamp Sheoak	1	87	90	10.4	342.4	3.2	16	15	Excellent	Poor	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Deadwood moderate (3-10cm diameter), Included bark, Wound(s)	Multiple included junctions throughout the crown.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
751	<i>Casuarina glauca</i>	Swamp Sheoak	1	87.11	90	10.5	343.3	3.2	17	13	Good	Poor	Mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Epicormic shoots, Mistletoe, Previous failure(s), Wound(s)	Codominant from ground level. Western leader has previously failed along the stem resulting in a large wound and an asymmetrical crown.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
752	<i>Casuarina glauca</i>	Swamp Sheoak	1	63.64	88	7.6	183.2	3.1	17	17	Good	Poor	Mature	Short (5-15)	Co-dominant stems, Crack or split, Included bark, Partial failure	Codominant from ground level - indicators of partial failure are present.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
753	<i>Casuarina glauca</i>	Swamp Sheoak	1	77	83	9.2	268.2	3.1	16	12	Good	Poor	Mature	Short (5-15)	Wound(s), Included bark, Co-dominant stems, Previous failure(s)	Inclusion of the primary co-dominant stem union. Historic failure of western stem resulted in a large trunk wound.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 85.50%): Bulk Earthworks: 72.88%, Road/builtform: 59.55%, Stormwater: 6.88% (Encroachment enters the SRZ)	Y	85.5	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
754	<i>Casuarina glauca</i>	Swamp Sheoak	1	55	62	6.6	136.8	2.7	15	13	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems, Asymmetrical crown	Asymmetrical crown with a south-western bias.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 61.09%): Bulk Earthworks: 61.09%, Road/builtform: 47.24%, Stormwater: 9.22% (Encroachment enters the SRZ)	Y	61.09	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
755	<i>Casuarina glauca</i>	Swamp Sheoak	1	69.31	70	8.3	217.3	2.8	17	15	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Included bark, Wound(s)	Wound observed on the northern side of the western stem at 3m above ground level, partially occluded with good response growth.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 94.43%, Road/builtform: 86.51%, Stormwater: 6.30% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
756	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	22.02	25	2.6	21.9	1.8	6	4	Fair	Poor	Juvenile	Short (5-15)	Deadwood minor (<3cm diameter), Dieback, Included bark, Co-dominant stems, Suppressed		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 86.78% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
757	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	51	64	6.1	117.7	2.7	13	7	Fair	Fair	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 91.66%, Stormwater: 3.39% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
758	Melaleuca quinquenervia	Broad-leaved Paperbark	1	54	63	6.5	131.9	2.7	14	8	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Saturated soil	Surrounding soils inundated during the assessment.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 89.57%, Stormwater: 2.78% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
759	Casuarina glauca	Swamp Sheoak	1	89	93	10.7	358.3	3.2	17	15	Good	Fair	Mature	Medium (15-40)	Epicormic shoots, Wound(s), Previous failure(s), Included bark, Co-dominant stems	Multiple inclusions present within main scaffold unions.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 86.82%): Bulk Earthworks: 75.69%, Road/builtform: 54.28%, Stormwater: 3.08% (Encroachment enters the SRZ)	Y	86.82	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
760	Casuarina glauca	Swamp Sheoak	1	59	64	7.1	157.5	2.7	16	11	Good	Good	Mature	Medium (15-40)	Poor pruning, Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 73.65% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
761	Casuarina glauca	Swamp Sheoak	1	50	58	6.0	113.1	2.6	17	10	Good	Good	Mature	Medium (15-40)	Wound(s), Co-dominant stems		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 39.40% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
762	Casuarina glauca	Swamp Sheoak	1	77.2	100	9.3	269.6	3.3	17	14	Good	Fair	Mature	Medium (15-40)	Wound(s), Previous failure(s), Hanger(s), Over-extended branch(es), Co-dominant stems, Included bark	Over extended first-order branch in the lower south-western. Multiple previous failures, including the apical section of the northern stem which has been suspended within the canopy.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 31.26% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
763	Casuarina glauca	Swamp Sheoak	1	22	30	2.6	21.9	2.0	10	5	Good	Fair	Semi-mature	Medium (15-40)	Suppressed, Asymmetrical crown, Hanger(s), Wound(s)	Significant portion of the cambium on the eastern side of the tree has been wounded, presumed to be from golf ball impact.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
764	Casuarina glauca	Swamp Sheoak	1	82.61	112	9.9	308.7	3.5	17	12	Good	Fair	Mature	Medium (15-40)	Previous failure(s), Included bark, Co-dominant stems, Wound(s)	Significant portion of the cambium on the eastern side of the tree has been wounded, presumed to be from golf ball impact.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
765	Casuarina glauca	Swamp Sheoak	1	63	77	7.6	179.6	3.0	19	15	Good	Fair	Mature	Medium (15-40)	Previous failure(s), Deadwood moderate (3-10cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 28.56% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
766	Casuarina glauca	Swamp Sheoak	1	91	82	10.9	374.6	3.0	19	15	Good	Good	Mature	Medium (15-40)	Included bark, Wound(s), Co-dominant stems	Wound on eastern stem, partially occluded with good response growth.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 15.19% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
767	Melaleuca quinquenervia	Broad-leaved Paperbark	1	51	65	6.1	117.7	2.8	15	11	Fair	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood major (>10cm diameter), Epicormic shoots, Included bark, Mechanical damage, Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
768	Melaleuca quinquenervia	Broad-leaved Paperbark	1	51	50	6.1	117.7	2.5	15	6	Fair	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Deadwood major (>10cm diameter), Epicormic shoots, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
769	Melaleuca quinquenervia	Broad-leaved Paperbark	1	39.05	46	4.7	69.0	2.4	14	7	Fair	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Epicormic shoots, Included bark, Suppressed		Protected	Indigenous	3 (Low)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
770	Melaleuca quinquenervia	Broad-leaved Paperbark	1	29.97	35	3.6	40.6	2.1	14	4	Poor	Fair	Semi-mature	Short (5-15)	Deadwood moderate (3-10cm diameter), Dieback, Epicormic shoots, Suppressed		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
771	Melaleuca quinquenervia	Broad-leaved Paperbark	1	43.57	45	5.2	85.9	2.4	14	6	Fair	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood major (>10cm diameter), Epicormic shoots, Poor pruning, Wound(s)	Flush cut on the trunk.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
772	Melaleuca quinquenervia	Broad-leaved Paperbark	1	33.94	38	4.1	52.1	2.2	9	6	Fair	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Epicormic shoots, Included bark, Suppressed		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
773	Melaleuca quinquenervia	Broad-leaved Paperbark	1	108.9	100	13.1	536.5	3.3	15	12	Good	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Epicormic shoots, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
774	Melaleuca quinquenervia	Broad-leaved Paperbark	1	53	55	6.4	127.1	2.6	17	9	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Epicormic shoots, Hanger(s), Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
775	Melaleuca quinquenervia	Broad-leaved Paperbark	1	97.25	96	11.7	427.9	3.3	16	16	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Epicormic shoots, Included bark		Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
776	Melaleuca quinquenervia	Broad-leaved Paperbark	1	100.3	105	12.0	455.1	3.4	15	11	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Epicormic shoots, Included bark, Saturated soil	Soils were inundated at the time of the assessment.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
777	Melaleuca quinquenervia	Broad-leaved Paperbark	1	61.52	58	7.4	171.2	2.6	14	7	Fair	Fair	Semi-mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Included bark, Saturated soil, Wound(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
778	Callistemon viminalis	Weeping Bottlebrush	1	31.76	43	3.8	45.6	2.3	6	6	Fair	Fair	Mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Epicormic shoots, Poor pruning, Saturated soil, Wound(s)	Soils were inundated at the time of the assessment.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
779	Callistemon viminalis	Weeping Bottlebrush	1	44.03	56	5.3	87.7	2.6	7	11	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark, Saturated soil, Wound(s)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
780	Lagunaria patersonii	Pyramid Tree	1	90.24	92	10.8	368.4	3.2	17	10	Good	Fair	Mature	Medium (15-40)	Cavity, Co-dominant stems, Crossing/rubbing branches, Decay, Included bark, Poor pruning, Wound(s)	Pruning wound has developed into a cavity on the eastern leader.	Protected	Native	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 8.51% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
781	Melaleuca quinquenervia	Broad-leaved Paperbark	1	88.87	65	10.7	357.3	2.8	10	11	Excellent	Fair	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Epicormic shoots, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 11.40% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
782	Casuarina glauca	Swamp Sheoak	1	38	47	4.6	65.3	2.4	16	6	Good	Good	Semi-mature	Long (>40)			Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 53.48% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
783	Callistemon viminalis	Weeping Bottlebrush	1	30.85	46	3.7	43.1	2.4	5	5	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Deadwood minor (<3cm diameter), Included bark		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 91.08%, Stormwater: 14.79% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
784	Callistemon salignus	White Bottlebrush	1	33.94	34	4.1	52.1	2.1	5	5	Good	Fair	Semi-mature	Medium (15-40)	Climbing vine, Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 62.17% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
785	Callistemon salignus	White Bottlebrush	1	13	14	2.0	12.6	1.5	3	2	Poor	Poor	Semi-mature	Dead Or Hazardous/Remove (0-5)	Deadwood minor (<3cm diameter), Dieback, Excessively thin crown density, Mechanical damage, Wound(s)	This tree is in decline.	Protected	Indigenous	3 (Low)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
786	Callistemon salignus	White Bottlebrush	1	18	26	2.2	14.7	1.9	4	4	Fair	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Included bark, Mechanical damage, Wound(s)		Protected	Indigenous	3 (Low)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 85.98%, Stormwater: 6.45% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
787	Casuarina glauca	Swamp Sheoak	1	67.81	85	8.1	208.0	3.1	15	11	Good	Good	Mature	Medium (15-40)	Co-dominant stems, Included bark, Poor pruning	Codominant from ground level.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 19.35%, Stormwater: 6.37% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
788	Casuarina glauca	Swamp Sheoak	1	90.8	130	10.9	373.0	3.7	21	16	Good	Poor	Mature	Short (5-15)	Cavity, Co-dominant stems, Decay, Epicormic shoots, Included bark, Mistletoe, Wound(s)	Codominant from ground level. Multiple branch junctions with embedded bark. Large pruning wounds on the eastern leader which is developing into a cavity.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 55.77%, Stormwater: 6.78% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
789	Casuarina glauca	Swamp Sheoak	1	61	83	7.3	168.3	3.1	21	9	Fair	Poor	Mature	Short (5-15)	Co-dominant stems, Decay, Epicormic shoots, Included bark, Poor pruning, Wound(s)	Multiple first-order stems have been pruned resulting in internal decay.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 63.17%, Stormwater: 8.69% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
790	<i>Lagunaria patersonii</i>	Pyramid Tree	1	62.39	58	7.5	176.1	2.6	10	7	Good	Fair	Mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Epicormic shoots, Included bark, Wound(s)		Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 33.58%, Stormwater: 6.45% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
791	<i>Olea europaea subsp. cuspidata</i>	African Olive	1	27.11	45	3.3	33.2	2.4	5	7	Fair	Fair	Semi-mature	Short (5-15)	Asymmetrical crown, Co-dominant stems, Deadwood moderate (3-10cm diameter), Environmental/Dec lared Weed, Epicormic shoots		Exempt	Exotic	4 (Environmental Pest / Noxious Weed)	Priority for Removal	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 24.33% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
792	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	79.1	85	9.5	283.1	3.1	15	11	Good	Fair	Mature	Medium (15-40)	Included bark, Wound(s), Co-dominant stems, Asymmetrical crown		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
793	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	93.09	65	11.2	392.0	2.8	14	10	Good	Fair	Mature	Medium (15-40)	Mechanical damage, Wound(s), Root scalping, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
794	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	89.87	98	10.8	365.4	3.3	14	13	Good	Poor	Mature	Short (5-15)	Wound(s), Root scalping, Included bark, Co-dominant stems, Previous failure(s)	Previous failure resulted in a large wound on the northern side of the primary stem union.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
795	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	74.87	74	9.0	253.6	2.9	13	10	Good	Fair	Mature	Medium (15-40)	Root scalping, Mechanical damage, Wound(s), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
796	<i>Liquidambar styraciflua</i>	Sweet Gum	1	71	84	8.5	228.0	3.1	13	15	Good	Poor	Mature	Short (5-15)	Over-extended branch(es), Wound(s), Previous failure(s), Included bark	Multiple previous failures of first-order branches resulting in significant wounds on the trunk and stem.	Protected	Exotic	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
797	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	67	65	8.0	203.1	2.8	11	10	Good	Fair	Mature	Medium (15-40)	Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
798	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	42.51	52	5.1	81.8	2.5	9	9	Good	Good	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Asymmetrical crown, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
799	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	49.09	55	5.9	109.0	2.6	9	10	Good	Fair	Mature	Medium (15-40)	Deadwood minor (<3cm diameter), Poor pruning, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
800	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	55.12	70	6.6	137.4	2.8	7	9	Good	Good	Mature	Medium (15-40)	Asymmetrical crown, Co-dominant stems, Poor pruning		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
801	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	52.62	77	6.3	125.3	3.0	7	9	Good	Fair	Mature	Medium (15-40)	Root scalping, Wound(s), Poor pruning, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
802	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	1	36.37	44	4.4	59.8	2.3	5	6	Fair	Good	Semi-mature	Medium (15-40)	Deadwood minor (<3cm diameter), Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
803	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	29.19	48	3.5	38.5	2.4	5	6	Fair	Poor	Mature	Short (5-15)	Deadwood minor (<3cm diameter), Wound(s), Previous failure(s), Included bark, Co-dominant stems		Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
804	<i>Callistemon viminalis</i>	Weeping Bottlebrush	1	33	45	4.0	49.3	2.4	6	6	Good	Poor	Mature	Short (5-15)	Previous failure(s), Wound(s)	Historic stem failure resulted in a large trunk wound.	Protected	Native	3 (Low)	Low - Consider for Removal	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
805	<i>Eucalyptus robusta</i>	Swamp Mahogany	1	42	51	5.0	79.8	2.5	11	9	Good	Good	Semi-mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Epicormic shoots, Previous failure(s)		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
806	<i>Casuarina glauca</i>	Swamp Sheoak	1	77.82	86	9.3	274.0	3.1	13	10	Good	Fair	Mature	Medium (15-40)	Previous failure(s), Deadwood moderate (3-10cm diameter), Included bark, Co-dominant stems	Growing along the edge of a pond.	Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
807	<i>Casuarina cunninghamiana</i>	River Sheoak	1	72.4	88	8.7	237.1	3.1	12	11	Good	Fair	Mature	Medium (15-40)	Deadwood major (>10cm diameter), Mechanical damage, Wound(s), Previous failure(s), Co-dominant stems, Asymmetrical crown	Asymmetrical crown with a north-western bias.	Protected	Native	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 8.46% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
808	<i>Casuarina glauca</i>	Swamp Sheoak	1	65.8	86	7.9	195.9	3.1	13	11	Good	Fair	Mature	Medium (15-40)	Previous failure(s), Root scalping, Wound(s), Poor pruning, Included bark, Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 79.43%, Stormwater: 5.17% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
809	<i>Casuarina glauca</i>	Swamp Sheoak	1	50.12	76	6.0	113.6	2.9	13	11	Good	Good	Mature	Medium (15-40)	Root scalping, Deadwood moderate (3-10cm diameter), Crossing/rubbing branches, Resin/kino/sap flow, Wound(s), Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 100.00%): Bulk Earthworks: 100.00%, Road/builtform: 95.34%, Stormwater: 10.58% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
810	<i>Casuarina glauca</i>	Swamp Sheoak	1	48.08	94	5.8	104.6	3.2	11	8	Good	Hazardous	Mature	Short (5-15)	Deadwood major (>10cm diameter), Included bark, Previous failure(s), Co-dominant stems, Decay, Wound(s), Cavity	Significant trunk wound due to previous stem failure. Additional stem failures in the north-western canopy has resulted in decayed sections of the stem and cavities, birds were observed entering the cavity.	Protected	Indigenous	5 (Hazardous / Irreversible Decline)	Priority for Removal	NRZ encroachment (total 99.87%): Bulk Earthworks: 55.59%, Road/builtform: 55.59% (Encroachment enters the SRZ)	Y	99.87	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
811	<i>Casuarina glauca</i>	Swamp Sheoak	1	53.08	62	6.4	127.5	2.7	12	10	Good	Good	Mature	Medium (15-40)	Poor pruning, Wound(s), Hanger(s), Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 33.94%): Bulk Earthworks: 33.94%, Road/builtform: 33.94% (Encroachment enters the SRZ)	Y	33.94	Major	Tree subject to minor levels of fill that could be pulled back via isolated retaining walls which would minimise impacts of fill.	Retain - generic plus	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
812	<i>Casuarina glauca</i>	Swamp Sheoak	1	59.01	85	7.1	157.5	3.1	11	9	Good	Good	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter), Wound(s), Co-dominant stems, Resin/kino/sap flow		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	NRZ encroachment (total 0.69%): Bulk Earthworks: 0.69%, Road/builtform: 0.69%	N	0.69	Minor	No significant impact expected provided tree protection measures are installed and maintained.	Retain - generic	Bulk Earthworks: Reduce or delete extent of works to avoid a major NRZ encroachment. Isolated retaining walls may be used along periphery.; Road/builtform: Modify the design to accomodate retention of higher value trees.
813	<i>Avicennia marina subsp. australasica</i>	Grey Mangrove	1	37.2	50	4.5	62.6	2.5	7	8	Good	Good	Mature	Long (>40)		This tree number represents vegetation within the pond which is primarily comprised of Grey Mangrove - a Federally protected tree species. A TPZ is to surround the entire waterway, extending to the outer edge of mangrove canopies where they are present.	Protected	Indigenous	1 (High)	High - Priority for Retention	NRZ encroachment: Bulk Earthworks: 100.00% (Encroachment enters the SRZ)	Y	100	Major	Tree will be subject to multiple critical or high impact activities that are not conducive to tree growth. Tree stability or longevity will be reduce or compromised. Tree is not viable for retention under the current design.	Remove - project impacts	
814	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	1	24.78	20	3.0	27.8	1.7	5	4	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Included bark	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
815	<i>Melaleuca linariifolia</i>	Snow-in-summer	1	18	20	2.2	14.7	1.7	5	4	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Included bark	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
816	<i>Melaleuca linariifolia</i>	Snow-in-summer	1	17.09	25	2.1	13.2	1.8	4	4	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Included bark	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
817	<i>Melaleuca linariifolia</i>	Snow-in-summer	1	9.9	20	2.0	12.6	1.7	4	4	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Included bark	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
818	<i>Acacia saligna</i>	Golden Wreath Wattle	1	30.2	50	3.6	41.3	2.5	7	9	Good	Poor	Semi-mature	Short (5-15)	Damaging infrastructure, Deadwood moderate (3-10cm diameter), Included bark, Self-sown and inappropriately located	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence. Conflicting with the boundary fence. Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Native	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
819	<i>Melaleuca linariifolia</i>	Snow-in-summer	1	8.66	20	2.0	12.6	1.7	4	5	Good	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Damaging infrastructure, Included bark	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
820	<i>Acacia saligna</i>	Golden Wreath Wattle	1	27.82	37	3.3	35.0	2.2	7	6	Poor	Poor	Semi-mature	Dead Or Hazardous/Remove (0-5)	Deadwood major (>10cm diameter), Dieback, Wound(s)	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Native	3 (Low)	Priority for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
821	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	2	10.39	20	2.0	12.6	1.7	4	4	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Included bark	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence. Additional tree to the east.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
822	<i>Casuarina glauca</i>	Swamp Sheoak	1	6	8	2.0	12.6	1.5	6	1	Good	Good	Juvenile	Short (5-15)		Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
823	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	1	7.62	20	2.0	12.6	1.7	6	2	Good	Fair	Semi-mature	Medium (15-40)	Co-dominant stems, Included bark	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	3 (Low)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
824	<i>Casuarina glauca</i>	Swamp Sheoak	1	13.89	14	2.0	12.6	1.5	7	2	Good	Fair	Juvenile	Short (5-15)	Constrained growing environment, Included bark, Self-sown and inappropriately located	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
825	<i>Casuarina glauca</i>	Swamp Sheoak	1	15.56	27	2.0	12.6	1.9	6	3	Good	Fair	Juvenile	Short (5-15)	Co-dominant stems, Constrained growing environment, Included bark, Self-sown and inappropriately located	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
826	<i>Melaleuca styphelioides</i>	Prickly-leaved Paperbark	1	3.46	11	2.0	12.6	1.5	3	2	Fair	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Constrained growing environment, Included bark	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
827	<i>Casuarina glauca</i>	Swamp Sheoak	1	15	21	2.0	12.6	1.7	7	3	Good	Good	Semi-mature	Short (5-15)	Constrained growing environment, Included bark, Self-sown and inappropriately located	Located within the adjacent property. Partial VTA - DBH, DAB and location estimated. Tag located on the fence.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
828	<i>Banksia integrifolia</i>	Coast Banksia	1	15	20	2.0	12.6	1.7	6	4	Good	Good	Juvenile	Medium (15-40)	Included bark		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
829	<i>Acacia saligna</i>	Golden Wreath Wattle	1	24.92	32	3.0	28.1	2.1	6	6	Good	Poor	Semi-mature	Short (5-15)	Partial failure, Poor pruning, Included bark, Co-dominant stems	Partial failure of co-dominant stem union. Short lived species that has likely self seeded.	Protected	Native	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
830	<i>Banksia integrifolia</i>	Coast Banksia	1	15	18	2.0	12.6	1.6	5	5	Good	Good	Juvenile	Medium (15-40)	Co-dominant stems		Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
831	<i>Banksia integrifolia</i>	Coast Banksia	1	14	20	2.0	12.6	1.7	6	5	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
832	<i>Cupaniopsis anacardioides</i>	Tuckeroo	1	20	21	2.4	18.1	1.7	5	6	Good	Fair	Juvenile	Short (5-15)		Crossing/rubbing branches, Weak attachments, Co-dominant stems	Protected	Native	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
833	<i>Banksia integrifolia</i>	Coast Banksia	1	9	14	2.0	12.6	1.5	4	4	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
834	<i>Banksia integrifolia</i>	Coast Banksia	1	18	23	2.2	14.7	1.8	6	5	Good	Good	Juvenile	Medium (15-40)			Protected	Indigenous	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
835	<i>Banksia integrifolia</i>	Coast Banksia	1	16.19	20	2.0	12.6	1.7	4	4	Good	Fair	Juvenile	Short (5-15)		Previous failure(s), Included bark, Co-dominant stems	Protected	Indigenous	3 (Low)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
836	<i>Casuarina cunninghamiana</i>	River Sheoak	1	42.64	47	5.1	82.3	2.4	11	11	Good	Good	Mature	Medium (15-40)	Deadwood moderate (3-10cm diameter)		Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	

Tree no.	Botanical Name	Common Name	Trees in group	DSH Total (cm)	DRB (cm)	Radial NRZ (m)	NRZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Vigour	Structural Condition	Age Class	ULE (Yrs.)	Observations	Comments	DCP Status	Origin	STARS Significance Rating	Retention Value	Encroachment into NRZ/SRZ	Within SRZ	Encroachment %	Encroachment Type	Likely Impact	Impact Assessment Recommendation	Alternative Design or Construction Methods (Generic Plus)
837	<i>Casuarina cunninghamiana</i>	River Sheoak	1	53.95	62	6.5	131.7	2.7	12	10	Good	Good	Semi-mature	Medium (15-40)	Co-dominant stems, Crossing/rubbing branches, Included bark, Wound(s)	Loss of natural bracing at 2 metres.	Protected	Native	2 (Medium)	Medium - Consider for Retention	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
838	<i>Melaleuca sp.</i>	Paperbark	2	12.12	18	2.0	12.6	1.6	5	4	Good	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Included bark	Lineal row of two mixed Melaleuca sp.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
839	<i>Melaleuca sp.</i>	Paperbark	4	12.73	19	2.0	12.6	1.6	5	10	Good	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Included bark	Lineal row of four mixed Melaleuca sp.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	
840	<i>Melaleuca sp.</i>	Paperbark	6	10.39	15	2.0	12.6	1.5	5	4	Good	Fair	Semi-mature	Short (5-15)	Co-dominant stems, Included bark	Lineal row of six mixed Melaleuca sp.	Protected	Indigenous	2 (Medium)	Low - Consider for Removal	No direct encroachment	N	0	Nil	No significant impact expected provided tree protection measures are installed and maintained during construction.	Retain - generic	

10. Appendix C - Proposed Volume Discharge Expansion Area



REV	DESCRIPTION	DATE
	FOR INFORMATION	17/03/2026

NOTES:

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- LEGEND**
- EXISTING SURVEYED TREES
 - ESTIMATED EXPANSION COUNT [204]

DRAWN: KH
DWG NO: TPMP.01
SCALE: 1:2500@A3

20 0 20 40 60 m

PROJECT:
**KOGARAH GOLF CLUB
REDEVELOPMENT**

DWG:
TREE SURVEY EXPANSION PLAN

CLIENT:
SITE: 19A MARSH STREET, ARNCLIFFE NSW 2205

Suite 183, Unit 5,
7 Eden Park Drive,
Macquarie Park NSW 2113
E: info@canopyconsulting.com.au
P: 1300 1 CANOPY

canopy
consulting



canopy
consulting