

Sent: Tuesday, 20 July 2021 5:21 PM
To: Kathryn Saunders
Cc: David Hoy
Subject: Nepean Gardens - comments on draft conditions and outstanding response items
Attachments: Draft Conditions - 20072021 - Urbis comments .docx; Nepean Gardens - Outstanding items - response July 2021 .pdf; Attachment B - Travers Tree Assessment.pdf; Attachment C - Axil architecture plans.pdf; Attachment A - Sewer diagram.pdf

Hi Kathryn

I hope you are well. Please find attached:

- comments on the draft conditions
- table of outstanding items and responses, with associated attachments

If preferred I can upload this via the planning portal – let me know if you would like me to do this.

Please review and contact me if you would like to organise a discussion.

Many thanks

Rosie

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A - Deferred commencement conditions

The following conditions of consent must be complied with prior to this development consent becoming operational:

The following conditions of consent must be complied with prior to this development consent becoming operational:

- a. Consent no. DA17/1092 is to be surrendered in accordance with Section 97 of the Environmental Planning and Assessment Regulation 2000.
- b. The Manager of Development Services at Penrith City Council is to be provided with the following amended and additional plans and reports:
 - (i) **A final Arboricultural Impact Assessment (AIA) report.** The AIA report must include, however may not be limited to, the following:
 - Provide a low, medium or high retention value rating for assessed trees based on their Useful Life Expectancy and Landscape and/or Ecological Significance.
 - Include an assessment of all proposed works (cut, compacted fill, trenching, buildings, civil, stormwater & drainage, swales, burial sites, retaining walls and other landscape and civil works) reflected in the approved DA drawings and determine the impact of those works on the trees.
 - Determine the level of encroachment (i.e Minor or Major Encroachments), approximate percentage and encroachment type.
 - Assess Major Encroachments against Clause 3.3.4 of Australian Standard 4970-2009 Protection of trees on development sites and requires the Arborist to demonstrate how the tree/s will remain viable.
 - Include specific recommendations for measures to retain trees, particularly those of Medium to High Retention Value located in proximity to the proposed works.
 - Retain identified habitat trees as recommended in the ~~Travers~~ Vegetation Management Plan.

The AIA report is not to include ecological or heritage assessments or comments unless the author is suitably qualified.

Any recommendation for the removal of trees that are not impacted by works will require an accompanying Tree Risk Assessment (TRA) undertaken by an arboriculturist with current TRA qualifications (example TRAQ, QTRA), and demonstrate the nominated tree/s pose an unacceptable risk to persons or property.

No trees are approved for removal under this Consent until Council has reviewed and approved the AIA report and agreed to or amended the number of proposed

Commented [RS1]: Note this version of the draft conditions was provided by Council 7/7/2021

Commented [RS2]: This condition is unnecessary. See the Part B operational conditions inserted at X and Y and the associated reasons given in the comments at those conditions.

trees to be removed. In particular, before approving the AIA report the Council may request additional information if it concludes that the AIA report requires further information about tree impact assessment.

All vegetation impacts (including tree removal and retention) must be clearly specified within the AIA, the Tree Retention and Removal Plan (TRRP) and the Biodiversity Management Plan (BMP), and must not exceed those specified within the final stamped approved Biodiversity Development Assessment Report (BDAR).

- (ii) **A Tree Retention and Removal Plan (TRRP)** for the Site. The TRRP is to be accompanied by advice from a qualified bush fire consultant detailing how the Plan demonstrates compliance with the requirements of the NSW Rural Fire Service referenced in consent **Condition 5** and is to be informed by the Arboricultural Impact Assessment (AIA) the subject of deferred commencement condition (b)(i) and the Vegetation Management Plan (VMP) subject of deferred commencement condition b(iii).

The **TRRP** is to clearly indicate the Inner Protection Area (**IPA**) and Outer Protection Area

The landscape plans are to correlate with the endorsed final **TRRP** and the VMP.

The plans are to identify the location of any permanent and temporary protection fencing to be installed around the regeneration areas and the Tree Protection Zones for trees or vegetation potentially impacted by burial plots and construction works as identified within the Arboricultural Impact Assessment.

- (iii) An updated Vegetation Management Plan (VMP) for the site. This will supersede the Travers 2019 VMP and reflect the approved site layout and landscaping.

(iii) —
(iii) —

Advisory note:

Vegetation impacts (including tree removal and retention) must be clearly addressed within the AIA, the TRRP, the Biodiversity Management Plan and must not exceed vegetation impacts specified within the stamped approved Biodiversity Development Assessment Report (BDAR).

B - Operational Consent Conditions

General Conditions

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Commented [RS3]: Amendments to the landscape plans can be included in the operational conditions – see condition 29(j). Despite similar sufficient certainty on the Burial Extent and Types Plan, deferred commencement conditions were proposed in relation to DA 17/1092 and the Court rejected that proposal in favour of amendment by operational conditions.

Commented [RS4]: Amendments to the Burial Extents and Types Plan can be included in the operational conditions – see condition 29(k). Despite similar sufficient certainty on the Burial Extent and Types Plan, deferred commencement conditions were proposed in relation to DA 17/1092 and the Court rejected that proposal in favour of amendment by operational conditions.

1. The approved development must be carried out in accordance with the following plans and documents except as may be amended by the following conditions or as marking in red on the stamped approved plans.

Reference to 'phases' of the development is as follows:

Phase 1: Alterations and additions to the existing golf clubhouse and ancillary car parking, construction of a bowling green and the construction of the community facility (pool and gymnasium building) and associated civil and road works, stormwater, services, fencing, landscaping, and regeneration works, for the community facility (clubhouse).

Phase 2: Construction works, tree removal and other activities related to the approved augmentation of the existing golf course from an 18-hole golf course to a 9-hole golf course.

Phase 3: Construction works, tree and vegetation removal, dam dewatering and other activities related to the cemetery, construction of the ancillary administration building and ancillary chapel and associated civil, road and earth works, stormwater, services, fencing and landscaping works.

Commented [RS5]: Additional phase added to allow works to the Wallacia Country Club to proceed ahead of the changes to the golf course.

Document no.	Document title and details	Prepared by	Rev	Date
Florence Jaquet Landscape Plans				
L000 A	Cover Sheet	Florence Jaquet	A	22/07/2020
L001 A	Tiling Plan	Florence Jaquet	A	22/07/2020
L100 A	Site Masterplan	Florence Jaquet	A	22/07/2020
L101	Overall Site Plan	Florence Jaquet	DA	10/12/2019
L102	Burial Extent and Types	Florence Jaquet	DA	10/12/2019
L201	Enlargement	Florence Jaquet	DA	10/12/2019
L202	Enlargement	Florence Jaquet	DA	10/12/2019
L203	Enlargement	Florence Jaquet	DA	10/12/2019
L204	Enlargement	Florence Jaquet	DA	10/12/2019
L501 – 1/8	Site Plan	Florence Jaquet/Narelle Sonter Botanica	DA	10.12.19
L502 – 2/8	Street Tree Plan (Internal)	Florence Jaquet/Narelle Sonter Botanica	DA	10.12.19
L503 – 3/8	Vegetated Buffer Plan	Florence Jaquet/Narelle Sonter Botanica	DA	10.12.19
L504 – 4/8	Vegetated Buffer Details	Florence Jaquet/Narelle Sonter Botanica	DA	10.12.19
L505 – 5/8	Administration Landscape Plan	Florence Jaquet/Narelle Sonter Botanica	DA	10.12.19
L506 – 6/8	Chapel Landscape Plan	Florence Jaquet/Narelle Sonter Botanica	DA	10.12.19
L507 – 7/8	Stormwater Management Strategy Landscape Plan	Florence Jaquet/Narelle Sonter Botanica	DA	10.12.19
L508 – 8/8	Details Sheet	Florence Jaquet/Narelle Sonter Botanica	DA	10.12.19
L601	Typical Lawn Burial Area	Florence Jaquet	DA	10/12/2019
L602	Typical Low Headstone Burial Area	Florence Jaquet	DA	10/12/2019
L603	Typical High Headstone – Full Monumental Burial area	Florence Jaquet	DA	10/12/2019
L700	Typical Road Section	Florence Jaquet	DA	10/12/2019
Narelle Sonter Botanica Plans – Clubhouse and Community Facility (pool gymnasium building)				
LPS.01 – 1/5	Landscape Site Plan 1/2	Narelle Sonter Botanica	DA	05.12.19
LPS.02 – 2/5	Landscape Site Plan 2/2	Narelle Sonter Botanica	DA	05.12.19

LP.01 – 3/5	Landscape Planting Styles	Narelle Sonter Botanica	DA	05.12.19
LP.02 – 4/5	Detail Planting Plans	Narelle Sonter Botanica	DA	05.12.19
LP.02/B Sheet 4 of 6	Detail Planting Plan 2	Narelle Sonter Botanica	B	06.11.2020
LP.03 – 5/5	Indicative Planting Plan – Park Road Boundary	Narelle Sonter Botanica	DA	05.12.19
Ignite Architectural Plans				
DA00	Cover Sheet	Ignite	A	02.12.19
DA01	Drawing Index/Specification/material Schedule	Ignite	C	02.12.19
DA02	Complete Site Plan	Ignite	C	02.12.19
DA03	Site Plan - Overall	Ignite	C	02.12.19
DA04	Site Plan - Chapel	Ignite	C	02.12.19
DA05	Site Plan - Admin	Ignite	C	02.12.19
DA06	Admin Floor Plan, Elevations & Sections	Ignite	C	02.12.19
DA07	Chapel Floor Plan	Ignite	C	02.12.19
DA08	Chapel Elevations	Ignite	C	02.12.19
DA09	Chapel Sections	Ignite	C	02.12.19
DA10	Chapel Renders	Ignite	C	02.12.19
DA11	Admin Renders	Ignite	C	02.12.19
Axil Architects Plans				
A0.00	Cover Sheet	Axil Architects	DA2	06.11.2020
SA.01	Site Analysis	Axil Architects	DA2	06.11.2020
A0.01	Proposed Site Plan	Axil Architects	DA2	06.11.2020
A0.02	Existing Site Plan	Axil Architects	DA2	06.11.2020
A0.03	Existing Lower Level Plan	Axil Architects	DA2	06.11.2020
A0.04	Existing Ground Floor Plan	Axil Architects	DA2	06.11.2020
A0.05	Proposed Site Plan – North (1-250)	Axil Architects	DA2	06.11.2020
A0.06	Proposed Site Plan – South (1-250)	Axil Architects	DA2	06.11.2020
A1.01	Demolition Lower Level Plan	Axil Architects	DA2	06.11.2020
A1.02	Demolition Ground Floor Plan	Axil Architects	DA2	06.11.2020
A1.03	Proposed Lower Level Plan	Axil Architects	DA2	06.11.2020
A1.04	Proposed Ground Floor Plan	Axil Architects	DA2	06.11.2020
A1.05	Roof Plan	Axil Architects	DA2	06.11.2020
A1.06	Proposed Lower Level Plan	Axil Architects	DA2	06.11.2020
A1.07	Proposed Ground Floor Plan	Axil Architects	DA2	06.11.2020
A1.08	Proposed Pool + Gym	Axil Architects	DA2	06.11.2020
A2.01	Elevations – Clubhouse	Axil Architects	DA2	06.11.2020
A2.02	Section - Clubhouse	Axil Architects	DA2	06.11.2020
A2.03	Elevations & Sections New Pool + Gym	Axil Architects	DA2	06.11.2020
A2.04	Elevations 1:200	Axil Architects	DA2	06.11.2020
A2.05	Elevations 1:100	Axil Architects	DA2	06.11.2020
A2.06	Sections AA, BB, CC & DD	Axil Architects	DA2	06.11.2020
AA.01	Area Analysis Plans	Axil Architects	DA2	06.11.2020
Degotardi Smith & Partners Consulting Surveyors				
35239A01.DWG Sheet 1 of 1	Plan of Proposed Subdivision of Lot 2 D.P. 1254545 Wallacia Golf Course	DS&P	A	05/09/19
Warren Smith & Partners Plans – Wallacia Country Club Civil, Stormwater & WSUD DA Plans				
SK-11	Sewer and Water Servicing Sketch	WS&P	2	06.11.2020
C1.01	Cover Sheet	WS&P	3	Dec 2019

C1.03	General Arrangement Plan Sheet 1 of 2	WS&P	3	30/07/20
C1.04	General Arrangement Plan Sheet 2 of 2	WS&P	3	30/07/20
C6.01	Stormwater Layout Plan Sheet 1 of 2	WS&P	4	30/07/20
C6.02	Stormwater Layout Plan Sheet 2 of 2	WS&P	4	30/07/20
C6.03	Stormwater Catchment Plan	WS&P	3	30/07/20
C6.04	Pit Schedule	WS&P	4	4/11/2020
C6.05	On Site Detention (OSD) Tank Plan	WS&P	3	30/07/20
C6.06	On Site Detention (OSD) Tank Sections	WS&P	3	30/07/20
Stormy Water Solutions Plans				
1954/SWS/1	Nepean Memorial Park Stormwater Management Plan Overview	Stormy Water Solutions	V5	3 November 2020
1954/SWS/2	Nepean Memorial Park Stormwater Management Plan Catchment 1 Drainage Elements Concept Design	Stormy Water Solutions	V5	3 November 2020
1954/SWS/3	Nepean Memorial Park Stormwater Management Plan Catchment Management 2 Assets Concept Design	Stormy Water Solutions	V5	3 November 2020
1954/SWS/4	Nepean Memorial Park Stormwater Management Typical Swale Cross Sections	Stormy Water Solutions	V5	3 November 2020
1954/SWS/5	Nepean Memorial Park Stormwater Management Plan Typical Wetland Cross Sections	Stormy Water Solutions	V5	3 November 2020
1954/SWS/6	Nepean Memorial Park Stormwater Management Plan Typical Wetland Cross Sections	Stormy Water Solutions	V5	3 November 2020
Harrison Golf Plans				
W917-DA-00	Drawing Index/Cover Sheet	Harrison Golf	G	19.11.19
W917-DA-01	Site Plan	Harrison Golf	G	19.11.19
W917-DA-02	Golf Course General Layout Plan	Harrison Golf	G	19.11.19
W917-DA-03	Golf Course Layout Comparison Plan	Harrison Golf	G	19.11.19
W917-DA-04	Not approved	Harrison Golf	G	19.11.19
W917-DA-05	Not approved	Harrison Golf	G	19.11.19
W917-DA-06	Golf Course Earthworks Plan (1)	Harrison Golf	G	19.11.19
W917-DA-07	Golf Course Earthworks Plan (2)	Harrison Golf	G	19.11.19
W917-DA-08	Golf Course Cut & Fill Analysis (1)	Harrison Golf	G	19.11.19
W917-DA-09	Golf Course Cut & Fill Analysis (2)	Harrison Golf	G	19.11.19
W917-DA-10	Golf Course Grassing & Landscape Plan (1)	Harrison Golf	G	19.11.19
W917-DA-11	Golf Course Grassing & Landscape Plan (2)	Harrison Golf	G	19.11.19
W917-DA-12	Golf Course Grassing & Landscape Plan (3)	Harrison Golf	G	19.11.19
Traffic External Civil & Intersection Plans				
C7.01	External Works Plan Sheet 1	Warren Smith & Partners	6	19.03.21

C7.02	External Works Plan Sheet 2	Warren Smith & Partners		
C7.03	External Works Plan Sheet 3	Warren Smith & Partners	3	18.03.21
C7.04	External Works Plan Sheet 4	Warren Smith & Partners	3	18.03.21
C9.01	Swept Paths Sheet 1	Warren Smith & Partners	4	20.03.21
C9.02	Swept Paths Sheet 2	Warren Smith & Partners	1	19.03.21
Document no.	Document title and details	Prepared by	Revision	Date
SWS Project No. 1954	Nepean Memorial Park Water Sensitive Urban Design Strategy and Storm Water Management Plan	Stormy Water Solutions	V3	16 April 2020
-	Civil Engineering Services report	Warren Smith & Partners	01	6 December 2019
-	Management and Security Plan for the Operation of the Wallacia Country Club	-	-	30 April 2020
Project no. 1724	Aboriginal Due Diligence Assessment	Austral Archaeology	2	6 December 2019
Project no. 2044	Aboriginal Archaeological Report	Austral Archaeology	2	6 November 2020
Project no. 2044	Aboriginal Cultural Heritage Assessment	Austral Archaeology	2	6 November 2020
Project no. 1724	Historical Archaeological Assessment	Austral Archaeology	2	6 December 2019
Ref (18CMCT02W)	Watercourse Assessment	Travers Bushfire & Ecology	-	25/11/2019
18CMCT02	Vegetation Management Plan	Travers Bushfire & Ecology	1	09/12/2019
Ref (A17102)	Flora and Fauna Assessment Report	Travers Bushfire & Ecology	-	25/10/2017
20WOL 15736	Biodiversity Impact of Sewer – Wallacia Memorial Gardens letter and Plan no. SK-11, Issue 2 – Job no. 593600, dated October 2020, prepared by Warren Smith & Partners	EcoLogical Warren Smith & Partners	-	8 March 2021
P1706171JR08 V02	Remediation Action Plan for Nepean Gardens Cemetery, Wallacia, NSW	Martens	2	16 March 2021
P1706171JR07 V01	Detailed Site Investigation for Wallacia Memorial Park, NSW	Martens	1	14 August 2020
P1706171JR01 V02	Preliminary Geotechnical, Groundwater and Salinity Assessment: Proposed Nepean Gardens, Wallacia NSW	Martens	2	06.12.2019
Document Reference 20191301.1/112 9A/R1/TT	Noise Emission Assessment	Acoustic Logic	2	9/5/2020
Document Reference 20191301.1/020 6A/R1/VF	Response to Council Correspondence	Acoustic Logic		9 May 2020,

Document Reference 20201221.1/091 1A/R1/VF	Nepean Gardens Cemetery – DA Noise Assessment	Acoustic Logic		8 November 2020
Project no. 170038	Wallacia Panthers Golf & Country Club Proposed Re-development - Flood Impact Assessment	GRC Hydro	1	November 2019
-	Letter - Summary of Groundwater Level Monitoring with Attachments A and B	Martens Consulting Engineers		8 October 2019
SK-05 5936001 – Nepean Gardens	Sewer and Water Servicing Sketch	Warren Smith and Partners	-	Undated
	Dam De-Watering Reports – refer Conditions 79 and 80			

1AA Approved Development and Inconsistency with Consent to DA 2017/1092

This consent approves a change of use of part of the existing golf course to cemetery including 27,000 Burial Plots, chapel and administration building, internal roads, new parking and amended access from park Road, reconfiguration of golf course to 9 Holes, new pool, gym, putting and bowling greens and alterations and additions to Wallacia Golf Club, tree Removal and landscaping, fencing, Civil and stormwater works and new intersection works along Park Road and subdivision;

- (i) The consent to DA 2017/1092 approves the staged construction of the Wallacia Memorial Park, including 40,000 burial plot cemetery, chapel, administration building, services outbuilding, parkland areas, internal roads, car parking areas, associated landscaping and site servicing works; and
- (ii) Where there is an inconsistency between this consent and the consent to DA 2017/1092, then the consent to DA 2017/1092 shall prevail to the extent of the inconsistency.

1AAA Modification of Consent to DA 2017/1092

Pursuant to s4.17(1)(b) and s4.17(5) of the *Environmental Planning and Assessment Act 1979* (NSW), the consent to DA 2017/1092 shall be modified in accordance with clause 97 of the *Environmental Planning and Assessment Regulations 2000* (NSW) prior to the issue of a construction certificate for this consent by adding a new condition 2AAAA to the consent to DA 2017/1092 as follows:

2AAAA. Relationship with Consent to DA19/0875

Development Consent No. DA19/0875 authorises a change use of part of existing golf course to cemetery including 27,000 Burial Plots, chapel and administration building, internal roads, new parking and amended access from park Road, reconfiguration of golf course to 9 Holes, new pool, gym, putting and bowling greens and alterations and additions to Wallacia Golf Club, tree Removal and landscaping, fencing, Civil and stormwater works and new intersection works along Park Road and subdivision.

Where there is an inconsistency between this consent and the consent to DA 2019/0875, then this consent (the consent to DA17/1092) shall prevail to the extent of the inconsistency.

Operational Conditions

Commented [BS6]: For the reasons that follow, a condition requiring the surrender of the consent to DA 2017/192 such as that proposed at deferred commencement condition (a) is unnecessary and inappropriate to deal with the relevant circumstances of this application.

There is **no statutory or other legal constraint upon** the number of development applications that a person can make in respect of the same land: *Waverley Council v C M Hairis Architects* (2002) 123 LGERA 100 at [30]. There is **nothing to prevent a person having two or more development consents to carry out development on the same land:** *Liverpool City Council v Home Units Australia Pty Ltd* [1973] 2 NSWLR 61 at 70.

Section 4.17(1)(b) of the *EP&A Act* provides that conditions requiring the modification or surrender of a consent are able to be imposed. **Modification is the first drafted of those two options.** It follows that the *EP&A Act* contemplates there can be more than one valid and operating consent in existence at the one time.

The Court Consent to DA 2017/1092 is for a **more expansive** cemetery on the Site than is sought under this DA 2019/875. The burial sites for which approval is sought under this DA 2019/875 can **sit comfortably within** the area approved for burial sites by the Court consent to DA 2017/1092.

Accordingly, it **does not make sense** that the larger approval for a cemetery should be surrendered if a consent for a smaller cemetery is acted upon.

Further, there are elements of this DA that are **quite distinct** from anything approved by the consent to DA 2017/1092, such as the Clubhouse renovation, the new bowling green the upgraded Clubhouse entry intersection and new community facilities (pool and gym) and these could be acted upon without any conflict with DA 2017/1092. **Any concern on the operation of the Clubhouse if golfing activities cease can be dealt with by the proposed condition 2A.**

In addition, requiring surrender of the DA 2017/1092 if this consent is activated would present **serious practical difficulties** for any development already undertaken under DA 2017/1092 as it would potentially leave no consent authorising that development.

In these circumstances, it is the Applicant's view that rather than a condition to surrender DA 2017/1092, conditions to deal with any inconsistency between the consents where there is potential for conflict **is the appropriate way to deal with the issue** and as such the alternative conditions have been drafted and proposed here.

2. **Approved Use** – The Approved use of the land identified as Lot 2 on stamped approved plan titled *Proposed Plan of Subdivision of Lot 2 in DP 1254545*, revision A, dated 05/09/2019 prepared by Degotardi Smith and Partners surveyors, is for a cemetery having a maximum of 27,000 full body burial plots with ancillary administration and chapel buildings and associated roads, infrastructure and landscaping.

No approval is granted for the installation of mausoleums, crypts or vaults. Memorials and headstones are limited to a maximum of 1.5m above natural ground level and all memorials and headstone heights and plot locations are to be in accordance with the Council endorsed *Burial Extent and Types Plan*, prepared by Florence Jaquet as is required to be submitted in satisfaction of the deferred commencement conditions.

The continued use of the part of the site identified as Lot 1 on stamped approved plan titled *Proposed Plan of Subdivision of Lot 2 in DP 1254545*, revision A, dated 05/09/2019 prepared by Degotardi Smith and Partners surveyors, is for an augmented 9-hole golf course (reduced from 18-holes) and associated works as shown on the stamped approved plans.

This consent also approves alterations to the existing ancillary golf clubhouse and carparking, and construction of a *community facility* containing a pool and gymnasium and associated car parking, landscaping, civil and infrastructure works to be located on Lot 1 in DP 1254545 and Lots 3 and 4 in DP 18701.

2A. Extent of Golf Clubhouse Approval

No approval is granted under this consent for the continued operation of Golf Clubhouse if golf operations on the Site cease and the result is that the dominant activity at the clubhouse is the holding of functions. In such circumstances the applicant must obtain development consent from the relevant consent authority for any change to the ongoing use of the existing clubhouse.

Advisory note: Those acting on the consent are to be aware of the limitations of the existing use rights pertaining to the existing golf clubhouse building including those under clause 41(2)(a)-(d) of the *Environmental Planning and Assessment Regulation 2000*, and are advised to discuss their proposal with Council prior to the lodgement of a development application.

3. The approved hours of operation are as follows:

A. Cemetery -

- (a) **Visitor and public access** - 24 hours a day, 7 days.
- (b) **Administration building & cemetery workshop shed** – 6.00am to 6.00pm, 7 days.
- (c) **Chapel** – 8.00am to 6.00pm, 7 days.

B. Golf clubhouse -

10.00am to 10.00pm Mondays, Tuesdays, Wednesdays, Thursdays and Sundays, and 10.00am to 12.00am Fridays and Saturdays.

Use of the golf clubhouse outdoor terrace at ground and lower ground floor is to cease at 10:00pm, 7 days and terrace doors are to be kept closed after this time.

C. Bowling green – Any use of the bowling green is prohibited after 7:00pm, 7 days.

D. Community facility (pool and gymnasium building) - 6.00am to 10.00pm, 7 days.

Entry to the community facility is not to be restricted to club members and is to be open for use by the general public.

Parking provided on the site is to be open to those visiting the clubhouse, golf course and community facility.

4. **Rural Fire Service NSW** - The New South Wales Rural Fire Service (NSW RFS) has issued their General Terms of Approval and a Bush Fire Safety Authority for the development subject to Conditions detailed in letter dated 9 November 2020 (DA20200119000233-CL55-1). Those acting on the consent are to ensure that the development is constructed and remains compliant with the NSW RFS conditions as set out in the above-mentioned letter and General Terms of Approval.

Vegetation within the APZ is to be maintained as per the NSW Rural Fire Service General Terms of Approval in perpetuity. Clearing in excess of these requirements is not permitted without consent.

5. **Natural Resources Access Regulator** - The Natural Resources Access Regulator (NRAR) has issued their General Terms of Approval (GTA) in relation to the development (Reference Number IDAS1121940, dated 27 February 2020). The GTA issued by NRAR do not constitute an approval under the Water Management Act 2000. The development consent holder must apply to NRAR for a Controlled Activity Approval after consent has been issued by Council **and before the commencement of any work or activity**.

A completed application form must be submitted to NRAR together with any required plans, documents, application fee, security deposit or bank guarantee (if required) and proof of Council's development consent. Finalisation of an approval can take up to eight (8) weeks from the date the application and all required supporting documentation is received.

Application forms are available from the website at www.industry.nsw.gov.au ^ Water ^ Licensing & Trade ^ Approvals.

Those acting on the consent / the holder of the consent are to ensure compliance with the GTA and accompanying NRAR Cover letter (IDAS1121940, CM9-V19/871-5#75, dated 27 February 2020).

6. **Transport for NSW (TfNSW)** – Those acting on the consent are to ensure that the development remains compliant with the concurrence requirements of TfNSW as set

out in TfNSW letter dated 21 May 2021 (Ref SYD20/00015/09) as copied below and as detailed in Attachments A and B of the abovementioned correspondence.

- (a) Detailed design plans and hydraulic calculations of any changes to the stormwater system are to be submitted to TfNSW for approval, **prior to the commencement of any works**. Please send all documentation to development.sydney@rms.nsw.gov.au

A plan checking fee will be payable and a performance bond may be required before TfNSW approval is issued.

- (b) The access to the country club is to be modified to include the design features outlined in Attachment A – Access to Country Club and are to be provided to TfNSW and Council for further review.
- (c) The proposed works outlined in the abovementioned point (b) along Park Road shall be designed to meet TfNSW requirements and endorsed by a suitably qualified practitioner. The design requirements shall be in accordance with AUSTROADS and other Australian Code of Practice. The certified copies of the civil design plans shall be submitted to TfNSW for consideration and approval **prior to the release of the Construction Certificate** by the Principal Certifying Authority and commencement of road works. Please send all documentation to development.sydney@rms.nsw.gov.au.

The developer is required to enter into a Works Authorisation Deed (WAD) for the abovementioned works.

TfNSW fees for administration, plan checking, civil works inspections and project management shall be paid by the developer **prior to the commencement of works**.

- (d) The redundant driveways on the Park Road boundary shall be removed and replaced with kerb and gutter to match existing. The design and construction of the gutter crossing and the replacement of the kerb and gutter on Park Road shall be in accordance with TfNSW requirements. Details of these requirements should be obtained by email to DeveloperWorks.Sydney@rms.nsw.gov.au.

Detailed design plans of the proposed kerb and gutter are to be submitted to TfNSW for approval **prior to the issue of a Construction Certificate and commencement of any road works**. Please send all documentation to development.sydney@rms.nsw.gov.au. A plan checking fee and lodgement of a performance bond is required from the applicant prior to the release of the approved road design plans by TfNSW.

- (e) In accordance with AS 2890.1 – 2004 (Parking Facilities, Part 1: Off-street car parking), the driveway shall be a minimum of 5.5m in width for a minimum of 6m from the property boundary.

- (f) A Construction Pedestrian Management Traffic Management Plan (CPTMP) detailing construction vehicle routes, number of trucks, hours of operation, access arrangements and traffic control should be submitted to Council for approval **prior to the issue of a Construction Certificate**.
- (g) A Road Occupancy Licence (ROL) should be obtained from Transport Management Centre (TMC) for any works that may impact on traffic flows on Park Road during construction activities. A ROL can be obtained through <https://myrta.com/oplinc2/pages/security/oplincLogin.jsf>.
- (h) The layout of the proposed car parking areas associated with the subject development (including, driveways, grades, turn paths, sight distance requirements in relation to landscaping and/or fencing, aisle widths, aisle lengths, and parking bay dimensions) should be in accordance with AS 2890.1-2004, AS 2890.6-2009 and AS 2890.2-2018 for heavy vehicle usage. Parking Restrictions may be required to maintain the required sight distances at the driveway.
- (i) Sight distances from the proposed vehicular crossings on Park Road are to be in accordance with the Austroad Guide to Road Design: Part 4A: Unsignalised and Signalised Intersections (Section 3 – Sight Distance) and AS 2890. Vegetation and proposed landscaping/fencing must not hinder sight lines to and from the vehicular crossings to motorists, pedestrians and cyclists.
- (j) It is recommended that to support and encourage active transport, bicycle parking facilities are provided within the development or close to it. Bicycle Parking should be provided in accordance with AS 2890.3.
- (k) The proposed development will generate additional pedestrian movements in the area. Pedestrian safety is to be considered in the vicinity.
- (l) All demolition and construction vehicles are to be contained wholly within the site and vehicles must enter the site before stopping. A construction zone will not be permitted on Park Road.
- (m) TfNSW has previously dedicated a strip of land as road along the Park Road frontage of the subject property, as shown by grey colour on the attached Aerials – “X” and “Y”.

Transport for NSW (Roads) has also previously acquired a strip of land for road along the Mulgoa Road frontage of the subject property, as shown by blue colour on the attached Aerials – “Z”.

The subject property (Lot 2 DP1108408) is further effected by a Road Widening Order under Section 25 of the Roads Act, 1993 as published in Government Gazette No. 112, 20th October 1967: Folio 3854, as shown by pink colour on the attached Aerials – “X” and “Y” and DP 227202.

Any new buildings or structures, together with any improvements integral to the

future use of the site, are to be erected clear of the land reserved for road widening, Park Road and Mulgoa Road boundaries (unlimited in height and depth).

7. The Plan of Subdivision is to be supported by an easement for sewer services over proposed Lot 1, in favour of proposed Lot 2. The location of the easement shall generally be in accordance with the Sewer and Water Servicing Sketch prepared by Warren Smith and Partners, drawing no. SK-05 5936001 – Nepean Gardens.

Advisory notes:

- (a) All pump stations are to be located above the 1% AEP flood level for both local and mainstream flooding events.
 - (b) The pump station and all service infrastructure is to be clear of any land reserved for road widening.
8. Those acting on the consent are to seek the necessary approvals and/or licenses or certification from service and utility providers prior to services and utility works being undertaken.
 9. No approval is granted for the erection or installation of any signage. All signage is to obtain the necessary development approval. All existing unauthorised signage is to be removed.
 10. The approved car parking spaces are not be used for storage of materials or waste receptacles and the like. No approval is granted for the subleasing of car parking spaces.
 11. A copy of the Council endorsed Tree Protection Management Plan (TPMP) is to be retained and implemented on site at all times.
 12. All roadworks, stormwater drainage works, signage, line marking, associated civil works and dedications required to affect the consented development shall be undertaken by the applicant at no cost to Penrith City Council.
 13. Noise levels from the premises shall not exceed the relevant noise criteria detailed in the Noise Emission Assessment prepared by Acoustic Logic (dated 9 May 2020, ref 20191301.1/1129A/R1/TT), the Response to Council Correspondence prepared by Acoustic Logic (dated 9 May 2020, ref 20191301.1/0206A/R1/VF) and the Nepean Gardens Cemetery – DA Noise Assessment prepared by Acoustic Logic (dated 8 November 2020, ref 20201221.1/0911A/R1/VF).

As per the approved documentation, the following time restrictions are to be complied with during the operational phase of the golf clubhouse and community facility buildings:

- (a) Use of the golf clubhouse outdoor terrace on ground floor is to cease at 10:00pm and doors are to be kept closed; and,
- (b) Use of the outdoor terrace for the lower floor is to cease use at 10:00pm and doors are to be kept closed; and,

- (c) Use of the bowling green is prohibited after 7:00pm, 7 days.

The provisions of the Protection of the Environment Operations Act 1997 apply to the development, in terms of regulating offensive noise.

In the event of ongoing noise complaints relating to the development being received by Council, the owner and/or occupier of the development may be required by Council to obtain the services of a suitably qualified acoustic consultant to undertake a noise impact assessment to address the concerns of the community.

Any noise impact assessment report is to be prepared and provided to Council within 45 days of being requested. Any mitigation works are to be undertaken within 30 days from the date of notice from Council, unless otherwise specified.

14. Amplified music and public address systems associated with the development are not to be audible at the boundaries of the property. Request deletion / reconsideration of wording- the relevant noise criteria established in the acoustic assessment provide for the management of acoustic impacts. This condition is onerous.
15. No access to the site from Mulgoa Road shall be established.
16. No approval is granted for the installation or operation of a crematorium at the site.
17. No native trees or other vegetation (including shrubs and other understory vegetation) are to be removed, ringbarked, cut, topped, lopped, slashed or wilfully destroyed (other than those shown on the Council endorsed Tree Retention and Removal Plan, without the prior consent of Penrith City Council and in accordance with Council's Tree Preservation Order and Policy.
18. Only clean and unpolluted water is to be discharged into Penrith City Council's stormwater drainage system. Liquid wastes suitable for discharge to the mains sewer are to be discharged in accordance with Sydney Water requirements.

If mains sewer is not available or if Sydney Water will not allow disposal to the sewer then a licensed waste contractor is to remove the liquid waste from the premises for disposal at a licensed waste facility.

The waste contractor and waste facility are to hold the relevant licenses issued by the NSW Environment Protection Authority.
19. The stormwater management system for the Clubhouse building(s) shall be provided generally in accordance with the concept plans and reports lodged for development approval, prepared by Warren Smith & Partners, Job number 6675000, Drawing numbers C1.00 – C6.07) Revision 4, dated 30/07/2020. Those acting on the consent shall ensure that suitable and practical access for maintenance of the cartridge system is provided in accordance with the manufacturers requirements.
20. A flood evacuation plan is to be prepared for the site in consultation with the NSW State Emergency Service (SES) and adequate signage is to be provided (located on

the external wall of the administration building), advising visitors of the cemetery as to the path of evacuation.

21. Those acting on the consent/the operator of the cemetery are to provide a courtesy bus service which, on request will convey cemetery patrons from the chapel and administration building to connect with the local bus service on Mulgoa Road and the golf clubhouse building.

22. All approved earthworks shall be undertaken in accordance with AS 3798 and Penrith City Council's Design Guidelines for Engineering Works for Subdivisions and Developments and Engineering Construction Specification for Civil Works policy.

The level of testing shall be determined by the Geotechnical Testing Authority / Superintendent in consultation with the Principal Certifier.

23. A copy of the required Saline Soils Management Strategy is to be provided to Penrith City Council at the issue of the relevant Construction Certificate and the recommendations of the Strategy are to be adopted in the management practices of the cemetery and golf course in perpetuity.

24. Each Phase of the development shall not be used or occupied until such time as a final Occupation Certificate is issued.

25. A Construction Certificate for each Phase of the development shall be obtained prior to the commencement of any works.

26. All aspects of the building design (golf clubhouse, chapel, administration building and community facility (being the pool and gymnasium building)) shall comply with the applicable performance requirements of the Building Code of Australia so as to achieve and maintain acceptable standards of structural sufficiency, safety (including fire safety), health and amenity for the on-going benefit of the community. Compliance with the performance requirements can only be achieved by:

(a) Complying with the deemed to satisfy provisions, or

(b) Formulating an alternative solution which:

- Complies with the performance requirements, or
- Is shown to be at least equivalent to the deemed to satisfy provision, or

(c) A combination of (a) and (b).

Prior to Issue of Construction Certificate Conditions

27. Section 7.12 contributions - This condition is imposed in accordance with Penrith City Council's Section 7.12 Contributions Plan titled 'City Wide Development Contributions for Non-residential Development 2020'.

Based on the current rates detailed in the accompanying schedule attached to this Notice, \$251,214.59 is to be paid to Penrith City Council prior to any Construction Certificate being issued for this development (the rates are subject to quarterly

Commented [RS7]: This development is subject to the Environmental Planning and Assessment (Local Infrastructure Contributions – Timing of Payments Direction 2020 and therefore payment of contributions should be required prior to Occupation Certificate.

Commented [RS8]: Please provide schedule. Expect that the payment of contributions is split between the different phases rather than it all being payable prior to the issue of the first occupation certificate?

reviews). If not paid within the current quarterly period, this contribution will be reviewed at the time of payment in accordance with the adopted Section 7.12 plan.

The projected rates of this contribution amount are listed in Council's Fees and Charges Schedule.

Council should be contacted prior to payment to ascertain the rate for the current quarterly period. The S7.12 invoice accompanying this consent should accompany the contribution payment. The relevant contributions plan for may be inspected at Council's Civic Centre, 601 High Street, Penrith and is also available to view on Council's website.

Can

28. **Prior to the issue of a Construction Certificate for each Phase of the approved development**, a lighting plan is to be provided to Council for review and endorsement. The plan is to include design responses to ensure that light impacts are reduced. Lighting design is to consider relevant lighting standards, is to adopt dark sky principles and is to be prepared having regard to the National Light Pollution Guidelines available at –

<https://www.environment.gov.au/system/files/resources/2eb379de-931b-4547-8bcc-f96c73065f54/files/national-light-pollution-guidelines-wildlife.pdf>

29. **Prior to the issue of a Construction Certificate in relation to Phase 1 of the approved development**, amended landscape, architectural and civil plans are to be provided to the Manager of Development Services at Penrith City Council for endorsement. The amended plans are to address the following:
- (a) Detail the levels of the proposed car parking in relation to the adjacent natural ground level. Detailed large scale sections of the carparking and associated landscaping are to be provided,
 - (b) Car parking spaces noted as being no. 19 and 20 on plan no. A0.01 are to be deleted from the plans as these sit forward of the existing neighboring dwelling. The resulting area is to be landscaped,
 - (c) All top of wall levels are to be noted on plans,
 - (d) The northern section of the additional carparking is to be provided with a landscaped buffer to the site's boundary of a minimum of 1.5m and complementary landscaping provided,
 - (e) Plans are to demonstrate that adequate shade is provided to car parking spaces equivalent to one canopy tree each six car spaces,
 - (f) Plans are to be amended to comply with the requirements of TfNSW GTA and accompanying letter,
 - (g) The listed WS&P Civil plan set is to be amended to reflect the requirements of the TfNSW letter,
 - (h) Landscape and architectural plans are to correlate the Wallacia Country Club WS&P civil plan set,
 - (i) Parent/carer friendly amenities including baby change facilities are to be

provided in the community facility (pool and gymnasium building).

(j) The approved landscape plans are to be amended to:

- a. correlate with the TRRP (including any OPA and IPA) and AIA and the approved Vegetation Management Plan (VMP); and
- b. show that no burial plots, ash internments or areas for ash scattering are to be located within the 15m buffer landscape areas.

(k) The approved Burial Extent and Types Plan is to be amended so that it indicates:

- a. The reduction in height of the headstone memorials to 450mm for the areas of the Site impacting the visual amenity of the residential dwelling at 115 Park Rd, Wallacia as detailed in the plan attached to these conditions at Attachment A [attach this plan at the back of the conditions]
- b. That no burial plots, ash internments or areas for ash scattering are to be located within the 15m buffer landscape areas.

Commented [RS9]: relocated from deferred commencement conditions

30. **Prior to the issue of the Construction Certificate**, an approval to install the internal private pump station to pump all wastewater generated from the Cemetery and associated buildings to Sydney Water's reticulated sewer system will require Council consent through submission of a Section 68 application to install a wastewater management system.

31. **Prior to the issue of a Construction Certificate for each Phase of the development** and in accordance with the recommendations of the stamped approved Preliminary Geotechnical, Groundwater and Salinity Assessment: Proposed Nepean Gardens, Wallacia NSW document prepared by Martens Consulting Engineers (P1706171JR01V02), dated 6 December 2019, a Saline Soils Management Strategy is to be prepared for the site and is to address the recommendations of part 6.6 of the above-mentioned document.

A copy of the Saline Soils Management Strategy is to be provided to Penrith City Council at the issue of the relevant Construction Certificate and the recommendations of the Strategy are to be adopted in the management practices of the cemetery and golf course in perpetuity.

32. **Prior to the issue of a Construction Certificate for the relevant Phase**, the Certifier shall ensure that the wastewater disposal system is generally in accordance with the 'Sewer and Water Servicing Sketch' plan by Warren Smith & Partners, Job No 5936000, Drawing No SK-11, Issue 2, dated 06/11/2020 and complies with the requirements of the letter from Sydney Water, Case No 188145, dated 18/02/2021.

The Certifier shall ensure that the location of the rising main is not in conflict with, and located clear of, the future road widening area for Park Road zoned SP2 Infrastructure (Classified Road) under Penrith LEP 2010.

All pump stations are to be located above the 1% AEP flood level for both local and mainstream flooding events.

Full details are to be submitted with the application for the formal approval of construction plans.

33. **Prior to the issue of a Construction Certificate for the relevant Phase of the approved development**, the Certifier shall ensure that the development is compatible with the recommendations of the **Updated Flood Modelling letter and plans prepared by Martins and Associates Pty Ltd, reference number P17606171JC10V02, dated 23 December 2020.**
34. **Prior to the issue of a construction certificate in relation to Phase 1 and prior to commencing any tree removal**, the Harrison Golf, golf course design plan set, dated 19 November 2020, Revision G, drawing nos. W917-DA-00 through W917-DA-12, are to be amended to reflect the Council endorsed Tree Retention and Removal Plan.
35. **Prior to the issue of a Construction Certificate**, an Infrastructure Restoration Bond is to be lodged with Penrith City Council for development involving works around Penrith City Council's Public Infrastructure Assets. The bond and applicable fees are in accordance with Council's adopted Fees and Charges.

An application form together with an information sheet and conditions are available on Council's website.

Contact Penrith City Council's Asset Management Department on 4732 7777 or visit Penrith City Council's website for more information.

36. **Prior to the commencement of operations**, a Maintenance Bond is to be lodged with Penrith City Council for any civil works within the verge area of Park Road.

The value of the bond shall be determined in accordance with Penrith City Council's adopted Fees and Charges.

Advisory note:

Contact Penrith City Council's Development Engineering Department on 4732 7777 for further information relating to bond requirements.

37. **Prior to the issue of a Construction Certificate for each phase (being Phase 1 Phase 2 and Phase 3) of the development**, a Section 138 Roads Act application, including payment of application and inspection fees together with any applicable bonds, shall be lodged and approved by Penrith City Council (being the Roads Authority for any works required within the verge area of Park Road). These works may include but are not limited to the following:
- (a) Vehicular crossings including kerb reinstatement of redundant vehicular crossings and the workshop access road vehicle crossing from Park Road,
 - (b) Provision of a 1.5m wide concrete footpath for the full frontage of the golf clubhouse in Park Road,
 - (c) Road opening for utilities and stormwater (including stormwater connection to Penrith City Council roads and other Penrith City Council owned drainage),
 - (d) Road occupancy or road closures,

- (e) The placement of hoardings, structures, containers, waster skips, signs etc. in the road reserve, and
- (f) Temporary construction access.

All works shall be carried out in accordance with the Roads Act approval, the development consent, including the stamped approved plans, and Penrith City Council's specifications, guidelines and best engineering practice.

Contact Penrith City Council's Asset Management Department on 4732 7777 or visit Penrith City Council's website for more information.

Advisory notes:

- Where Penrith City Council is the Certifier for the development, the Roads Act approval for the above works may be issued concurrently.
- Separate approval will be required from Transport for New South Wales (TfNSW) for works within Park Road in particular works between table drain to table drain
- All works associated with the Roads Act approval must be completed prior to the commencement of operations.

38. **Prior to the issue of a Construction Certificate and prior to the issue of a Roads Act Approval**, a Performance Bond is to be lodged with Penrith City Council for any civil works within the verge area of Park Road.

The value of the bond shall be determined in accordance with Penrith City Council's adopted Fees and Charges.

Advisory note:

Contact Penrith City Council's Development Engineering Department on 4732 7777 for further information relating to bond requirements

39. **Prior to the issue of a Construction Certificate**, the Certifier shall ensure that any applicable application, including the payment of application and inspection fees, and lodgement of any Works Authorisation Deeds (WAD), has been lodged with and approved by the Transport for New South Wales (TfNSW) for any road and intersection works within Park Road.

A copy of the TfNSW approval shall be submitted to Penrith City Council prior to Penrith City Council issuing any Roads Act approval.

40. **Prior to the issue of a Construction Certificate**, a Traffic and Parking Review Report, plans and documentation shall be provided to the satisfaction of Council. The documentation is to include an assessment of the impact traffic and parking generated by the golf clubhouse redevelopment and activities associated with the golf clubhouse and community facility will have and shall include:

- (a) Park Road and Golf Clubhouse access driveway intersection and driveway treatment.
- (b) Adjustments to the car park to be in accordance with AS 2890.1, DDA compliances and best practice including provision of a separate accessible

pedestrian path at least 1.5m wide and preferably 1.8m wide from the footpath (shown on plans to be 1.2m wide but will need to be at least 1.5m wide) at the verge frontage through the car park to the building entry / exit. This will require re-arrangement of the car park set out and car parking spaces.

- (c) Addressing any existing or proposed car park arrangements that have a long dead-end aisle requiring the last car space to be no stopping and cross hatch markings to allow three point turns out requiring a loss in car parking spaces.
- (d) Addressing the access and manoeuvring requirements for any existing or proposed waste vehicle and any other service or delivery heavy vehicle.

Any reversing in the public car park areas should be eliminated or less desirably, managed by restricting reversing areas to a lesser pedestrian activity area, including limiting access vehicles to 8.8m long or less. Provision of a Waste Vehicle, Service Vehicle and Delivery Vehicle Operational Management Plan that includes waste and service vehicles arriving/ leaving out of hours and temporarily fencing off this section of the car park in these out of hours times.

41. **Prior to the issue of a Construction Certificate for each Phase of the development**, the Certifier shall ensure that engineering plans are consistent with the stamped approved plans and that all engineering works have been designed in accordance with the development consent, Penrith City Council's Design Guidelines for Engineering Works for Subdivisions and Developments, Engineering Construction Specification for Civil Works, Austroads Guidelines and best engineering practice.

The engineering works may include but are not limited to the following:

- Public and private roads,
- Stormwater management (quantity and quality),
- Inter-allotment drainage,
- Private access driveways,
- Sediment and erosion control measures,
- Flood control measures,
- Overland flow paths,
- Traffic facilities,
- Earthworks,
- Bridges, culverts, retaining walls and other structures,
- Landscaping and embellishment works.

The engineering works must be supported by engineering plans, calculations, specifications and any certification relied upon.

42. **Prior to the issue of a Construction Certificate for each Phase of the development**, a Stage 3 (detailed design) Road Safety Audit (RSA) shall be undertaken in accordance with Austroads Guide to Road Safety Part 6: Road Safety Audit, on the proposed road and intersection works in Park Road by an accredited auditor who is independent of the design consultant.

A copy of the RSA shall accompany the design plans submitted with the Roads Act application.

Prior to the Section 138 Roads Act approval, the Certifier shall ensure that the recommendations of the RSA have been considered in the final design, through review of the Road Safety Audit Checklist, including Findings, Recommendations and Corrective Actions.

A copy of the Road Safety Audit shall be submitted to Penrith City Council by the applicant or Certifier for information purposes.

43. **Prior to the commencement of works approved by this consent**, the Certifier shall ensure that:

- (a) Off street access and parking complies with AS 2890.1,
- (b) Sight distances for driveways at the street frontage have been provided in accordance with AS 2890.1. The required sight lines around the driveway entrances shall not to be compromised by landscaping, fencing or signage, and
- (c) All cars can enter and exit the site in a forward direction.

44. **Prior to the issue of any Construction Certificate in relation to works approved by this consent**, the class and number of ecosystem credits and species credits as specified in the final and approved Biodiversity Development Assessment Report must be retired to offset the residual biodiversity impacts of the development.

The requirement to retire credits may be satisfied by payment to the Biodiversity Conservation Fund of an amount equivalent to the class and number of credits as calculated by the BAM Credit Calculator.

Evidence of the retirement of credits or payment to the Biodiversity Conservation Fund in satisfaction of this condition must be provided to Penrith City Council prior to issue of a Construction Certificate. Credits are required to be retired, expressly within the Penrith Local Government Area.

Ecosystem credits required to be retired – like for like*

Impacted plant community type	PCT Name	Number of ecosystem credits
835	Cumberland riverflat forest	3*
850	Cumberland shale hills woodland	17*

Species credits required to be retired – like for like*

Impacted species credit species	Common name	Number of species credits
Chalinolobus dwyeri	Large-eared Pied Bat	9*
Marsdenia viridiflora subsp.		2*

Commented [RS10]: Number of credits to be updated based on final BDAR

Council or any other decision maker cannot restrict the options for seeking and retiring credits to a particular geographic location; this is inconsistent with the BC Act.

The Act (and Regs) allow for the retirement of credits (see s7.13 of BC Act) and does not provide for a decision maker to limit where the credits may be retired. Further, s6.30 of the BC Act says:

(1)A person who is required under this or any other Act (including under an instrument, approval or agreement) to retire biodiversity credits may satisfy that requirement by instead paying an amount into the Biodiversity Conservation Fund determined in accordance with the offsets payment calculator established under this Division.
If that amount is paid into the Fund, the requirement to retire biodiversity credits is satisfied.

Myotis macropus	Southern Myotis	5*
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45. **Prior to the issue of the Construction Certificate for the relevant phase**, the recommendations provided in the Noise Emission Assessment prepared by Acoustic Logic (dated 9 May 2020, ref 20191301.1/1129A/R1/TT), the Response to Council Correspondence prepared by Acoustic Logic (dated 9 May 2020, ref 20191301.1/0206A/R1/VF) and the Nepean Gardens Cemetery – DA Noise Assessment prepared by Acoustic Logic (dated 8 November 2020, ref 20201221.1/0911A/R1/VF), shall be implemented and incorporated into the design and construction of the development, and shall be shown on plans **accompanying the relevant Construction Certificate application**.

46. **Prior to the issue of the Construction Certificate for Phase 1 (including the golf clubhouse and community facility (being the pool and gymnasium building))**, further details on the type and location of all mechanical plant and equipment associated with the development is to be provided to Council for consideration and endorsement. Suitable data and information on the noise impacts associated with this plant and equipment is also to be supplied to demonstrate compliance with established noise criteria.

47. **Prior to the issue of the Construction Certificate for the relevant each phase of the development**, the engineering plans shall be amended to ensure that suitable access for maintenance of the cartridge system associated with the stormwater management system, is provided in accordance with the manufactures requirements.

The Stormwater Management System for **Phase 3- Nepean Gardens Cemetery** ~~component of the development shall be consistent with the commitments made in the~~ Water Sensitive Urban Design Strategy and Stormwater Management Plan prepared by Stormy Water Solutions, Version 3, dated 16 April 2020 and concept Stormwater Plans prepared by Stormy Water Solutions, drawing numbers 1954/SWS/1- 6, Revision V5, dated 3 November 2020.

Engineering plans and supporting calculations for the stormwater management systems are to be prepared by a suitably qualified person and **shall accompany the application for a Construction Certificate for each phase**.

The engineering plans shall include the following:

- (a) Details of emergency overflow weirs for all basins.
- (b) Details of stabilised access tracks for maintenance purposes to all basins. All access tracks shall be located clear of existing trees and tree protection zones.
- (c) Engineering plans are to correlate with the Council endorsed Tree Retention and Removal Plan (TRRP) and the stamped approved Vegetation Management Plan, ~~prepared by Travers.~~

48. **Prior to the issue of a Construction Certificate for Phase 32**, the Certifier shall ensure that the stormwater drainage system for the basement car park of the Chapel

building has been designed in accordance with the requirements for pumped systems in AS 3500.3 Plumbing and Drainage – Stormwater Drainage.

49. **Prior to the issue of a Construction Certificate for the relevant phase of the development**, the Certifying Authority shall ensure that the stormwater management system has been designed in accordance with Council's Stormwater Drainage for Building Developments and Water Sensitive Urban Design Policy.

50. **Prior to the issue of a Construction Certificate for Phase 1 of the approved development**, the Certifying Authority must ensure that construction plans detail the installation of a 1.5m wide sealed accessible path of travel along the Park Road frontage of the site from the pedestrian refuge at the clubhouse driveway to east of Lot 1 in DP 1108408 (also known as 31-35 Park Road). The pathway is to span along the golf clubhouse and golf clubhouse carpark's Park Road frontage.

Additionally, construction plans are to indicate a 1.5m wide sealed accessible path of travel is provided from the golf clubhouse building to the cemetery buildings including the Maintenance Building, Administration Building and Chapel Building.

The 1.5m wide accessible path of travel providing access from Park Road and the golf clubhouse to the workshop, cemetery administration building and chapel is to be constructed **prior to the issue of an Occupation Certificate for Phase 2 - the Cemetery component of the development.**

51. **Prior to the issue of a Construction Certificate in relation to Phase 2 (the cemetery component of the development)**, the Certifying Authority must ensure that construction plans detail the installation of a 1.5m wide concrete accessible path of travel from the Park Road frontage near the clubhouse, to the golf course workshop building, the administration building and the chapel building.

The accessible path of travel must be completed prior to the commencement of cemetery operations.

52. **Prior to the issue of a Construction Certificate for each phase of the development**, an Unexpected Finds Protocol (the Protocol) is to be developed by an appropriately qualified environmental consultant and is to be submitted to Penrith City Council for approval.

If Council is not the certifying authority for this development, the report is required to be provided to Penrith City Council for approval.

The Protocol is to address the management of any contamination found on the site during the excavation and construction phase of the development, including (although not limited to) contaminated soils, groundwater, buried building materials, asbestos, odour and staining.

The above Protocol is to be complied with at all times during the excavation and construction phases of all stages/phases of the development.

Commented [RS11]: Please clarify if Council require the pedestrian path to be provided within the site boundary or in the road reserve?

53. **Prior to the issue of a Construction Certificate for each Phase of the development**, the Certifying Authority is to ensure that the recommendations (including the requirement for test excavations) of the Aboriginal Due Diligence Assessment, dated 6 December 2019, prepared by Austral Archaeology and the recommendations of the Aboriginal Archaeological Report, dated 6 November 2020, prepared by Austral Archaeology, are adhered to and that the recommended actions are carried out, and written confirmation to this effect is provided to the certifier by the author of the Reports.

Prior to Commencement Conditions

54. **Water NSW - Prior to commencement of works in relation to the cemetery component of the development**, the applicant must gain the necessary approvals from Water NSW in relation to the construction of a new dam on the third order watercourse.
55. **Prior to the commencement of any works, the proponent is to:**
- (a) Employ a Principal Certifier to oversee that the works are carried out on the site are in accordance with the development consent and related Construction Certificate issued for the approved development, and with the relevant provisions of the Environmental Planning and Assessment Act and accompanying Regulation, and;
 - (b) Submit a Notice of Commencement to Penrith City Council.

The Principal Certifying Authority shall submit to Council an "Appointment of Principal Certifier" in accordance with Section 6.6 of the Environmental Planning and Assessment Act 1979.

Information to accompany the Notice of Commencement.

Two (2) days before any earthworks or construction/demolition works are to commence on site (including the clearing site vegetation), the proponent shall submit a "Notice of Commencement" to Council in accordance with Section 6.6 of the Environmental Planning and Assessment Act 1979.

56. **Prior to the commencement of works** in the study area(s) identified in the stamped approved Aboriginal Due Diligence Assessment, dated 6 December 2019, prepared by Austral Archaeology and the stamped approved Aboriginal Archaeological Report, dated 6 November 2020, prepared by Austral Archaeology, an Aboriginal Heritage Impact Permit (AHIP) must be obtained.

57. **Prior to any works commencing as part of the relevant phase(s), a threatened species (vegetation) protection zone is to be established (through the installation of fencing) for the protection of the small snake orchid *Diuris pedunculata* [a listed candidate species] at (insert exact location). The threatened species (vegetation) protection zone is to include a buffer of a minimum of 1 metre, where possible. (dimension to be confirmed relative to DPIE confirmation for this species-in advance of**

Commented [RS13]: to be updated based on discussions with Michelle Plant, Lia Hooper and Sarah Burke. Understand Michelle Plant has provided an alternative condition.

formalising the condition-I believe I could get this confirmed relatively quickly, say by today or Monday so that the condition is specific).

No works (including maintenance and mowing) other than habitat management to cater for the potential/persistence of this species is permitted within the threatened species protection zone, for a period of ten years (Need to confirm a time frame with DPIE). At the cessation of this time (or prior to, in consultation with the Department of Planning, Infrastructure and Environment [DPIE]), a formal survey must be conducted for presence/absence by DPIE. (Council to confirm specific role at DPIE)

Subject to the outcomes of the survey, management of the threatened species protection zone may be reviewed. Access for ongoing monitoring by DPIE (Council to seek specifics from DPIE) is required and is to be facilitated by those acting on the consent.

58. **Prior to the commencement of works approved by this consent**, the Certifier shall ensure that the location of any pad mounted electrical substation is clear of the future road widening area for Park Road zoned SP2 Infrastructure (Classified Road) under Penrith LEP 2010 and as identified by Transport for NSW. Access arrangements to the pad mounted substation shall be in accordance with the requirements of Endeavour Energy.

59. **Prior to the commencement of works for each phase of the approved development**, a Construction Traffic Management Plan (CTMP) shall be submitted to Penrith City Council's Asset Management Department for endorsement.

The CTMP shall be prepared by a suitably qualified consultant with appropriate training and certification from Transport for New South Wales (TfNSW) and shall include details of any required road closures, work zones, loading zones and the like.

Approval of the CTMP may require approval of the Local Traffic Committee or Transport for New South Wales (TfNSW). Please contact Council's City Asset Management Department on 4732 7777 and refer to Council's website for a copy of the Temporary Road Reserve Occupancy Application Form.

60. **Prior to the commencement of works approved by this consent**, a Traffic Control Plan, including details for pedestrian management, shall be prepared in accordance with AS 1742.3 Traffic Control Devices for Works on Roads and the Transport for New South Wales (TfNSW) publication Traffic Control at Worksites and certified by an appropriately accredited TfNSW Traffic Controller.

Traffic control measures shall be implemented during the construction phase of the development in accordance with the certified plan. A copy of the plan shall be available on site at all times.

Advisory note:

A copy of the Traffic Control Plan shall accompany the Notice of Commencement to Penrith City Council.

61. **Prior to commencement of works**, a Tree Protection and Management Plan (TPMP) is to be provided to and approved by the Manager of Development Services at Penrith City Council. The TPMP is to correlate with the Arboricultural Impact Assessment (AIA) report, the Travers Vegetation Management Plan, the approved civil plans and is to have regard to the NSW Rural Fire Service General Terms of Approval. The Plan shall be address (although may not be limited to) the following:

- each phase of the development, and where changes within the Tree Protection Zone (TPZ) are required,
- Specific tree protection requirements, especially when intrusion into the Tree Protection Zone (TPZ) or when trunk and branch protection is required,
- A requirement/specification stating that all underground services to be installed within the designated TPZ of a tree to be retained must be installed using directional drilling/thrust boring techniques,
- An individual Tree Protection Plan and Drawing for each stage of the development where changes within the Tree Protection Zone (TPZ) are required (i.e. prior to commencement, demolition, during construction, post construction and landscaping,
- Identification of the location of any permanent and temporary protection fencing to be installed around the regeneration areas and the Tree Protection Zones (TPZ) for trees or vegetation potentially impacted by burial plots and construction works as identified within the Arboricultural Impact Assessment.

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In addition, the Project consulting arborist is to identify key stages/phases where monitoring and certification will be required as outlined in AS 4970 – 2009, Section 5. A schedule outlining these stages/phases is to be included.

62. **Prior to the commencement of tree and vegetation removal**, a qualified Arboricultural Consultant with a minimum AQF (Australian Qualification Framework) Level 5 qualification shall be retained for the duration of the demolition and construction works related to the cemetery and golf course augmentation phases of the development. The consultant shall be engaged to ensure that all tree protection measures on the site are imposed as per the conditions contained in the consent and as are detailed in the stamped approved Vegetation Management Plan (VMP), the Tree Retention and Removal Plan (TRRP) and the endorsed Arboricultural Impact Assessment (AIA).

63. **Prior to the commencement of works for each Phase**, all trees that are required to be retained as part of the development are to be protected in accordance with the minimum tree protection standards as outlined in Australian Standard AS 4970-2009 'Protection of trees on development sites'.

No fill, machinery, or materials are to be placed or stored within the drip line of any tree that is to be retained.

64. **Prior to the commencement of works in relation to each phase of the approved development**, temporary signage is to be installed along all temporary and permanent environmental protection zones and is to be maintained throughout the relevant construction and operational phases. Signage is to clearly state “Environmental Protection Zone – No Unauthorised Entry”.
65. **Prior to the commencement of works**, those acting on the consent are to arrange and have undertaken an inspection of tree protection measures implemented within the site, accompanied by Penrith City Council Officers.
66. **Prior to the commencement of approved tree and vegetation removal works**, an inspection of all trees scheduled for removal (including inspection of all hollows) for resident fauna is to be undertaken under the supervision of a fauna ecologist. In accordance with the stamped approved Vegetation Management Plan, any resident fauna are to be removed and relocated in accordance with relevant guidelines and permits under the supervision of the project ecologist.

Following the inspection, trees approved for removal are to be gently agitated and then lowered to the ground slowly when felling to allow any resident fauna time to escape and to ensure they aren't crushed by falling trees and branches.

67. **Biodiversity Management Plan - Prior to the commencement of works related to the cemetery and golf course augmentation phases of the approved development**, a Biodiversity Management Plan (BMP) must be prepared to the satisfaction of Penrith City Council. The Biodiversity Management Plan may form part of a Construction Environment Management Plan (CEMP).

The BMP must identify the development site as per the stamped approved Biodiversity Development Assessment Report (BDAR) and stamped approved plans.

The BMP must identify areas of vegetation that are to be retained as outlined in the stamped approved BDAR.

Construction impacts must be restricted to the development site and must not encroach into areas of retained native vegetation and habitat. All materials stockpiles, vehicle parking, machinery storage and other temporary facilities must be located within areas for which biodiversity impacts were assessment in the approved BDAR.

The BMP must identify all measures proposed in the approved BDAR to mitigate and manage impacts on biodiversity (4.2.5 Mitigating and managing impacts):

- Pre-clearance and avoidance to minimise the displacement of resident fauna.
- Timing works to avoid critical life cycle events such as breeding or nursing
- Instigating clearing protocols including pre-clearance surveys, daily surveys and staged clearing, the presence of a trained ecological consultant and licensed wildlife handler/s during clearing events.

- Installing artificial habitat features for fauna in adjacent retained vegetation and habitat or human made structures to replace habitat resources lost and encourage animals to move from the impacted site for example, nest boxes.
- Clearing protocols that identify vegetation to retained, prevent inadvertent damage and reduce soil disturbance.
- Sediment barriers or sedimentation ponds to control the quality of water released from the site into the receiving environment.
- Temporary fencing in addition to tree protection requirements, to protect all environmental features, such as riparian zones, that have not been assessed for impacts.
- Hygiene protocols to prevent the spread of weeds or pathogens between infected areas and uninfected areas.
- Staff training and site briefing to communicate environmental features to be protected and measures to be implemented.
- Provision for the ecological restoration, rehabilitation and/or ongoing maintenance of retained native vegetation habitat on or adjacent to the development site – in perpetuity (refer approved Vegetation Management Plan).

Additionally, the BMP should include the elements listed below:

- Ahead of the pre-clearance survey a Fauna Relocation Plan is to be prepared and submitted to Penrith City Council for review and approval, details should include identification and risk assessment of appropriate receiving sites to account for the relocated individuals and the capacity of the receiving habitat / fauna community,
- Fauna exclusion fencing is to be installed to prevent disturbed fauna from entering the construction site,
- As hollows are cut from trees they are to be retained for use on site and re-established under the guidance of the Project Ecologist to best practise standards and as detailed within the approved Vegetation Management Plan.
- An unexpected finds response is to be produced which explicitly specify actions including a notification protocol that will be followed if any threatened (fauna/flora) species (including amphibians/orchids) are encountered during pre-clearance surveys or any stage of works.

This plan should take into account any species with the potential or likely to occur on site and any novel species discovered at this location. Pre-notification of any receiving facilities (for example Taronga Wildlife Hospitals or the Plant

Bank– with all costs to be met by the Applicant) of works and potential submissions should be included. Penrith City Council's Environmental Management and Biodiversity team is to be notified immediately if the protocol has been enacted.

- A report of all affected fauna, impacts and actions is to be maintained and submitted to Council within one month of the cessation of clearing. Ongoing reporting of any affected wildlife taken into care will be required.
- Specify tree / vegetation clearing protocols that will provide opportunity for the safety and/or escape of living organisms and specify reuse of any materials produced by the clearing of native vegetation, including trees.
- Protocol for the identification of suitable threatened flora specimens for translocation on site OR for donation to Penrith City Council's Nursery for use within community bushland restoration projects (under licence).
- Proposal for seed harvesting for propagation of native plants for replanting efforts on site OR for donation to Penrith City Council's Nursery for use within community bushland restoration projects (under licence).
- Explicitly specify sediment controls to ensure protection of Jerry's Creek system as sensitive habitat to extent required for the protection of aquatic life including but not limited to Platypus. This should include ongoing monitoring, evaluation and responsive actions.
- Specify actions that will be implemented to manage the risks associated with rubbish management, predatory species, pests and weed management throughout the construction and operational phases.
- Specify actions to implement lighting controls during the construction and operational phases of the development in consideration of Draft National Light Pollution Guidelines for Wildlife,
- Specify actions to implement rubbish and pollutant controls for the protection of the Jerry's Creek system, relative to operational activities, in perpetuity.

68. **Prior to commencement**, site remediation works shall be carried out in accordance with the approved Remediation Action Plan for the Proposed Nepean Gardens Cemetery, Wallacia NSW prepared by Martens & Associates (dated 16 March 2021, ref P1706171JR08V02), the ANZECC and NHMRC Guidelines (1992) and applicable NSW Environment Protection Authority Guidelines.

On completion of the site remediation works, the following documentation is to be submitted to the Principal Certifying Authority and Penrith City Council, if Council is not the Principal Certifying Authority:

- (a) Written notification that the site remediation works have been completed is to be submitted within 30 days that the said works have been completed; and,
- (b) A validation report, prepared by an appropriately qualified person (as defined in Penrith Development Control Plan 2014), is to be submitted before any building work can commence on the remediated site. The report shall certify that the remediation works have been carried out in accordance with the approved Remedial Action Plan and the relevant NSW Environment Protection Authority requirements.

69. **Prior to commencement of works associated with each Phase of the approved development,** erosion and sediment control measures shall be installed prior to the commencement of works on site including approved clearing of site vegetation. The erosion and sediment control measures are to be maintained in accordance with the approved erosion and sediment control plan for the development and the Department of Housing's "Managing Urban Stormwater: Soils and Construction" 2004.

Certification that the erosion and sediment control measures have been installed in accordance with the approved erosion and sediment control plan (s) for the development and "Managing Urban Stormwater: Soils and Construction 2004" shall be obtained and issued a minimum 2 days before any other site works are to commence, including earthworks and clearing of the site.

The approved sediment and erosion control measures are to be installed prior to and maintained throughout the construction phase of the development until the landscaping, driveway and on-site parking areas have been completed for the development.

Erosion and sediment control measures shall remain in place and must be maintained until all disturbed areas have been rehabilitated and stabilised and are to ensure that mud and soil from vehicular movements to and from the site does not occur during the construction of the development.

70. Asbestos management - The applicant is advised to review Council's Fact Sheet titled "Handling and Disposal of Fibrous Cement Products" before any demolition works commence on the site.

Prior to commencement of demolition works for each phase of the development, a portaloo with appropriate washing facilities shall be located on the site and the Principal Certifying Authority is to be satisfied that:

- (a) Measures are in place so as to comply with the WorkCover Authority's "Short Guide to Working with Asbestos Cement"; and that,
- (b) The person employed to undertake the works is a licensed asbestos removal contractor and is holder of a current SafeWorkNSW Asbestos Licence.

Any demolition works involving the removal of all asbestos shall only be carried out by a licensed asbestos removal contractor who has a current SafeWork NSW Asbestos Licence.

All asbestos laden waste, including asbestos cement flat and corrugated sheeting must be disposed of at a tipping facility licensed by the Environmental Protection Authority to receive asbestos wastes.

71. **Prior to the commencement of demolition works for each phase of the development**, a Hazardous Materials Survey is to be conducted on the existing structures to be demolished by an appropriately qualified consultant(s). The Hazardous Materials Survey is to be prepared in accordance with:
- (a) AS 2601-2001 The demolition of structures, and the
 - (b) Remediation Action Plan for the Proposed Nepean Gardens Cemetery, Wallacia, NSW prepared by Martens & Associates (dated 16 March 2021, ref P1706171JR08V02).

The associated investigations are to be carried out to assess the location, extent and condition of hazardous building materials including, but not limited to, the following:

- (c) Asbestos
- (d) Synthetic mineral fibres (SMF)
- (e) Polychlorinated Biphenyls (PCBs)
- (f) Lead-containing paint
- (g) Ozone depleting substances
- (h) Lead dust in ceiling cavities

The Survey is to provide recommendations for the removal of the hazardous materials, including the preparation of safe works method statements and risk assessments to appropriately address health and safety issues. SafeWork NSW requirements apply to demolition work and compliance with those requirements, including the SafeWork NSW Code of Practice Demolition Work August 2019, is required.

All demolition works are to be conducted in accordance with the recommendations made in the approved Hazardous Materials Survey.

72. **Prior to the commencement of works for each phase of the approved development**, a separate Section 138 Roads Act application, including payment of application and inspection fees together with any applicable bonds, shall be lodged and approved by Penrith City Council (being the Roads Authority for any works required within the verge area of Park Road) prior to the commencement of works approved by this consent.

The engineering plans are to be prepared in accordance with the development consent, Penrith City Council's Design Guidelines for Engineering Works for Subdivisions and Developments, Engineering Construction Specification for Civil Works, Austroads Guidelines, and best engineering practice.

Contact Penrith City Council's Development Engineering Department on 4732 7777 to obtain a formal fee proposal prior to lodgement and visit Penrith City Council's website for more information.

Advisory notes:

- (a) Where Penrith City Council is the Certifier for the development, the Roads Act approval for the above works may be issued concurrently.
- (b) Separate approval is required from Transport for New South Wales for works impacting a classified road. All works associated with the Roads Act approval must be completed **prior to the commencement of operations**.

During Construction Conditions

- 73. Dust suppression techniques are to be employed during any demolition or earthworks phases of the development so as to reduce any nuisances to surrounding properties.
- 74. Mud and soil from vehicular movements to and from the site during early works, site preparation, demolition and construction phases of the development, must not be deposited on the road.
- 75. Hours of Work - Demolition and construction works are restricted to the following hours in accordance with the NSW Environment Protection Authority Noise Control Guidelines:
 - (a) Mondays to Fridays, 7.00am to 6.00pm
 - (b) Saturdays, 8.00am to 1.00pm if inaudible on neighbouring residential premises, otherwise 7.00am to 1.00pm
 - (c) No demolition or intrusive construction work is permitted on Sundays and Public Holidays.

In the event that the demolition and construction work relates to works inside a building and does not involve the use of equipment that emits intrusive noise then, the demolition and construction works are not restricted to the hours stated above.

Advisory note:

The provisions of the Protection of the Environment Operations Act 1997 in regulating offensive noise apply to all construction works.

- 76. All tree removal works must comply with the Amenity Tree Industry – Code of Practice, 1998 (Workcover, NSW) and Guide to Managing Risks of Tree Trimming and Removal Work (Safe Work Australia 2016).
- 77. Where possible and in accordance with any recommendations or requirements of the approved Travers, Vegetation Management Plan, all fallen trees, logs, leaf litter, rocks and other debris are to be retained in situ on site as habitat and to maintain soil stability and structure.

Application of these materials is subject to the guidance and oversight of the Project Ecologist and to be specified within the approved Biodiversity Management Plan.

78. Removal of trees shall be in accordance with the Council endorsed Tree Retention and Removal Plan. The Arboricultural consultant in consultation with the Project Ecologist, shall be responsible for clearly and physically identifying trees and vegetation approved to be removed prior to removal being undertaken.
79. The approved waste management plan must be implemented and adhered to throughout all stages of the development including demolition, with supporting documentation and any receipts retained in order to verify the recycling and disposal of materials in accordance with the approved plan.
80. All waste materials stored on-site are to be contained within a designated area such as a waste bay or bin to ensure that no waste materials are allowed to enter the stormwater system or neighbouring properties. The designated waste storage areas shall provide a minimum two waste bays or bins so as to allow for the separation of recyclable waste and are to be fully secured when the site is unattended.
81. All excavated material and other wastes generated as a result of the development are to be re-used, recycled or disposed of in accordance with the approved Waste Management Plan.

All waste materials are to be disposed of at a lawful waste management facility. Where the disposal location or waste materials have not been identified in the waste management plan, details shall be provided to the Certifying Authority as part of the waste management documentation accompanying the Construction Certificate application.

All receipts and supporting documentation must be retained in order to verify lawful disposal of materials and are to be made available to Penrith City Council on request.

82. No fill material is to be imported to the site until such time as a Validation Certificate (with a copy of any report forming the basis for the validation) for the fill material has been submitted to, considered and approved by Penrith City Council. The Validation Certificate shall:
- (a) state the legal property description of the fill material source site,
 - (b) be prepared by an appropriately qualified person (as defined in Penrith Contaminated Land Development Control Plan) with consideration of all relevant guidelines (e.g. EPA, ANZECC, NH&MRC), standards, planning instruments and legislation,
 - (c) clearly indicate the legal property description of the fill material source site,
 - (d) provide details of the volume of fill material to be used in the filling operations,
 - (e) provide a classification of the fill material to be imported to the site in accordance with the Environment Protection Authority's "Environmental Guidelines: Assessment, Classification & Management of Non-Liquid Wastes" 1997, and (based on the fill classification) determine whether the fill material is suitable for its intended purpose and land use and whether the fill material will or will not pose an unacceptable risk to human health or the environment.

Advisory note:

The Penrith Development Control Plan 2014 defines an appropriately qualified person as 'a person who, in the opinion of Council, has a demonstrated experience, or access to experience in hydrology, environmental chemistry, soil science, eco-toxicology, sampling and analytical procedures, risk evaluation and remediation technologies. In addition, the person will be required to have appropriate professional indemnity and public risk insurance'.

If the Principal Certifying Authority or Penrith City Council is not satisfied that suitable fill materials have been used on the site, further site investigations or remediation works may be requested. In these circumstances the works shall be carried out prior to any further approved works.

83. **Dam de-watering** - The recommendations provided in the **Dam De-Watering Plan prepared by Warren Smith & Partners (dated 29 July 2020, ref 5936001-WS+P-CS-TN-0001, rev 1)** and the **Water Quality Associated with Dam De-Watering document prepared by Martens & Associates (dated 27 November 2020)** shall be implemented and adhered to throughout the dam de-watering phase of the development. The dam de-watering works are to be carried out under the supervision of an appropriately qualified Aquatic Ecologist.
84. **Dam De-watering Quality** - Only dam water that complies with the applicable Australian and New Zealand (ANZECC) Guidelines for Fresh and Marine Water Quality Criteria is to be irrigated on site. Water that does not comply with the ANZECC Guidelines criteria is to be removed from the site by a licensed waste contractor for disposal at a lawful waste management facility. Receipts of lawful disposal are to be retained and provided to Council upon request.

Prior to the issue of an Occupation Certificate Conditions

85. In accordance with Clause 94 of the Environmental Planning and Assessment Regulation 2000, the following is to be completed prior to the issue of an Occupation Certificate for the alterations and additions to the existing golf clubhouse:
- The existing building (as altered) is to be provided with additional emergency lighting in accordance with the requirements of Clause E4.2 of the Building Code of Australia (BCA) and AS 2293.1-2018.
 - The existing building (as altered) is to be provided with additional exit signage in accordance with the requirements of Clauses E4.5 of the BCA and AS 2293.1-2018.
 - The existing building (as altered) is to be provided with a fire hose reel coverage in accordance with the requirements of Clause E1.4 of the BCA and AS 2441-2005.
 - The existing building (as altered) is to be provided with fire hydrant coverage in

accordance with the requirements of Clause E1.3 of the BCA and AS 2419.1-2005.

- Any air conditioning system that serves the existing building (as altered) and has the capacity of more than 1,000 L/s or is a ducted system is to be configured to shut down in accordance with the requirements of NSW Table E2.2b of the BCA where it does not form part of a smoke control system.
- The automatic fire detection and alarm system serving the existing building (as altered) is to be upgraded to comply with the requirements of Clause 4 of Specification E2.2a of the BCA and AS 1670.1-2018.
- The barriers to the existing outdoor terrace area on the ground floor are to be upgraded to comply with the requirements of Clause D2.16 of the BCA.
- The barriers to the existing western internal stairs and landing adjacent to the office on the ground floor are to be upgraded to comply with the requirements of Clause D2.16 of the BCA.
- The barriers to the existing northern external stairs and landing leading from the lounge area are to be upgraded to comply with the requirements of Clause D2.16 of the BCA.
- The artificial lighting in the existing building (as altered) is to be upgraded to comply with the requirements of Part J6 of the BCA.

86. **Prior to the operation of the cemetery**, a flood evacuation plan is to be prepared for the site in consultation with the NSW State Emergency Service (SES) and information signage is to be provided (located on the external wall of the administration building), advising visitors of the cemetery as to the path of evacuation.
87. **Prior to the issue of the Occupation Certificate**, an approval to operate and a Section 68 approval for the On-site Sewage Management system (pump to sewer system) is to be issued by the Manager of Development Services at Penrith City Council.
88. **Prior to the issue of any Occupation Certificate**, the certifying authority shall ensure that all existing unauthorised signage is removed from the site.
89. **Prior to the issue of an Occupation Certificate for each Phase of the approved development** and upon completion of all works in the road reserve, verge areas fronting the development are to be turfed to the satisfaction of Council.
90. **Prior to the issue of any Occupation Certificate**, street lighting is to be provided for all new intersections on Park Road. The design and installation of any street lighting shall be in accordance with Australian Standards and to the satisfaction of Transport for NSW.
91. **Prior to the issue of an Occupation Certificate**, certification is to be obtained from a qualified and suitably experienced acoustic consultant certifying that all relevant

buildings and associated structures have been constructed to meet the noise criteria in accordance with the Noise Emission Assessment prepared by Acoustic Logic (dated 9 May 2020, ref 20191301.1/1129A/R1/TT), the Response to Council Correspondence prepared by Acoustic Logic (dated 9 May 2020, ref 20191301.1/0206A/R1/VF) and the Nepean Gardens Cemetery – DA Noise Assessment prepared by Acoustic Logic (dated 8 November 2020, ref 20201221.1/0911A/R1/VF).

A copy of the certificate is to be submitted to the Principal Certifying Authority and is to accompany documents submitted with the application for an Occupation Certificate.

92. **Prior to the issue of an Occupation Certificate**, works-as-executed drawings, final operation and maintenance management plans and any other compliance documentation shall be submitted to the Principal Certifying Authority in accordance with Penrith City Council's Engineering Construction Specification for Civil Works, WSUD Technical Guidelines and Stormwater Drainage for Building Developments.

An original set of works-as-executed drawings and copies of the final operation and maintenance management plans and compliance documentation shall also be submitted to Penrith City Council with notification of the issue of the Occupation Certificate where Council is not the Principal Certifying Authority.

93. **Prior to the issue of an Occupation Certificate for each Phase of the approved development**, the Principal Certifier shall ensure that all works associated with the relevant S138 Roads Act approval or S68 Local Government Act approval have been inspected and are signed off by Penrith City Council.

94. **Prior to the issue of an Occupation Certificate**, the Principal Certifying Authority shall ensure that the associated stormwater management system (including water sensitive urban design measures) for each phase of the development:

- (a) Have been satisfactorily completed in accordance with the approved Construction Certificate and the requirements of this consent;
- (b) Have met the design intent with regard to any construction variations to the approved design; and
- (c) Any remedial works required to be undertaken have been satisfactorily completed.

Details of the approved and constructed systems shall be provided as part of the works-as-executed drawings.

95. **Prior to the issue of an Occupation Certificate for each Phase of the approved development**, the Principal Certifier shall ensure that the:

- (a) Stormwater management systems (including on-site detention and water sensitive urban design), and
- (b) Overland flowpath works
 - have been satisfactorily completed in accordance with the approved plans and

- the requirements of this consent;
- have met the design intent with regard to any construction variations to the approved design, and;
- any remedial works required to be undertaken have been satisfactorily completed.

Details of the approved and constructed system/s shall be provided as part of the Works As Executed drawings.

96. **Prior to the issue of an Occupation Certificate for the relevant Phase of the development**, a restriction as to user and positive covenant relating to the stormwater management systems including on site detention and water sensitive urban design measures, and the overland flowpath works shall be registered on the title of the property.

The restriction as to user and positive covenant shall be in Penrith City Council's standard wording as detailed in Penrith City Council's Stormwater Drainage Specification for Building Development – Appendix F.

The stormwater management systems shall continue to be operated and maintained in perpetuity to the satisfaction of Council in accordance with the final operation and maintenance management plan. Regular inspection records are required to be maintained and made available to Council upon request. All necessary improvements are required to be made immediately upon awareness of any deficiencies in the treatment measures.

97. **Prior to the issue of an Occupation Certificate for each Phase of the approved development, and prior to the installation of regulatory and/or advisory signage and line marking within Park Road**, line marking and signage plans are to be lodged with Penrith City Council for approval by Council's Local Traffic Committee.

Advisory notes:

- Contact Penrith City Council's Engineering Services Department on 4732 7777 for further information on this process.
- Allow eight (8) weeks for approval by the Local Traffic Committee.
- Applicable fees are indicated in Council's adopted Fees and Charges.

98. **Prior to the issue of an Occupation Certificate for each Phase of the approved development**, directional signage and line marking shall be installed indicating directional movements and the location of customer parking to the satisfaction of the Principal Certifier.

99. **Prior to the issue of an Occupation Certificate for each Phase of the approved development**, all car spaces and loading areas are to be sealed, line marked and dedicated for the parking of vehicles.

Table 1 Deferral Matters – DA19/0875 – Park Road, Wallacia

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
<p>(a) Buffer</p> <p><i>Clarity is to be provided as to whether the panel is invited to rely upon the area of the golf course retained as a buffer to mediate the planning and social impacts of the proposed cemetery and the Wallacia township, the basis upon which that invitation is made having regard to the matters discussed above [within the Record of Deferral] and any mechanism proposed to give effect to the proposal.</i></p>	<p>Council recommends the following condition, should consent be granted: <i>“The maximum number of full body burial plots approved by this consent is 27,000 plots. All internments and memorialisations including ash scattering and ash internments are to be located within the approved cemetery as marked in a dark shaded hatch on the Council stamped and approved ‘Overall Site Plan’, drawing no. L1, sheet no. 1, revision C, dated 22/7/2020 prepared by Florence Jaquet.”</i></p> <p><i>Prior to the issue of any Construction Certificate or works commencing (whichever occurs first) and prior to the issue of a Subdivision Certificate, a restriction as to user is to be registered on the title of proposed Lot 1 in DP 1254545 which has the effect of prohibiting the use of the land for a cemetery and for the internment of bodies, ashes and all other memorialisations.</i></p> <p>No support is given to the suggestion that two consents (DA17/1092 and possibly DA19/0875) could operate in parallel.</p>	<p>Refer comment on draft conditions supplied to Council separately. Mills Oakley has prepared a consistency condition as an alternative to the requirement to surrender the consent for DA17/1092.</p>

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
	<p>To ensure that the proposed buffer to the township is maintained and to prohibit internments within this lot (proposed Lot 1 in DP 1254545) in perpetuity, the following condition is recommended:</p> <p><i>Prior to works commencing and prior to the issue of a Subdivision Certificate or Construction Certificate for any Phase of the development (whichever occurs first), consent no. DA17/1092 is to be surrendered in accordance with Section 97 of the Environmental Planning and Assessment Regulation 2000.</i></p> <p>The applicant's agreement is sought to the above.</p>	
	<p><u>Staging</u></p> <p>The applicant's cover letter notes that two phases of the development are proposed, Phase 1 being the amendments to the clubhouse and golf course, and Phase 2 being the cemetery works. No timing of the phasing is provided.</p> <p>Draft conditions could be provided cognisant of potential phasing, should consent be granted.</p>	<p>The proposed staging for the development is:</p> <p>Phase 1: Alterations and additions to the existing golf clubhouse and ancillary car parking, construction of a bowling green and the construction of the community facility (pool and gymnasium building) and associated civil and road works, stormwater, services, fencing, landscaping, and regeneration works, for the community facility (clubhouse).</p> <p>Phase 2: Construction works, tree removal and other activities related to the approved</p>

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
		<p>augmentation of the existing golf course from an 18-hole golf course to a 9-hole golf course,</p> <p>Phase 3: Construction works, tree and vegetation removal, dam dewatering and other activities related to the cemetery, construction of the ancillary administration building and ancillary chapel and associated civil, road and earth works, stormwater, services, fencing and landscaping works.</p>
<p>(b) Permissibility</p> <p><i>Any addendum submission concerning permissibility and the evidence it relies upon.</i></p>	<p>The applicant has provided additional legal advice prepared by Mills Oakley. The applicant's cover letter notes that "...the legal advice does not consider the issue of whether the Site enjoys existing use rights, as it is evident from the Deferral Notice of the Panel that this is not in dispute. The additional legal advice addresses the characterisation of the proposed bowling green use."</p>	<p>Council has not provided comment, therefore we assume that the justification of the permissibility is acceptable.</p>
<p>(c) Biodiversity and SAI</p> <p><i>Any submission as to whether the proposal will or will not have a Serious and Irreversible Impact (SAI) on each candidate species, communities or populations.</i></p>	<p>Council's Biodiversity Officer has reviewed the applicant's supplementary documentation and is of the opinion that SAI is not likely, although raises concerns in relation to the adequacy of the applicant's Biodiversity Development Assessment Report (BDAR). Refer to response provided under (d) below.</p>	<p>Noted</p>

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
<p>(d) Biodiversity Impact Assessment</p> <p><i>An updated BDAR report is to be supplied (or the statutory basis upon which it is submitted one is not required) and any submission relied upon as to why the panel should conclude that the requirements of the Biodiversity Conservation Act 2016 have been complied with (particularly with regards to any impacts arising from infrastructure including sewer and external road works extents). Any requisite guidelines relevant to the objective of avoiding and minimising ecological impacts should be addressed. The submission may include any proposed practical revisions to the internal pathways if appropriate to reduce tree loss.</i></p>	<p>The BDAR notes that a Tree Protection and Management Plan (TPMP) is to be submitted for approval prior to the issue of a Construction Certificate. No objections are raised to this proposal.</p> <p>A relevant condition of consent to be imposed.</p>	<p>Agreed.</p>
	<p>The BDAR states at 1.1.1 that the study area is 13 ha. The subject site is 42ha and no map of the study area is provided.</p>	<p>Site area error is acknowledged. This will be corrected in the amended BDAR.</p> <p>The study area is shown in Figure 3 of the BDAR.</p>
	<p>The development footprint nominated in Figure 3 of the BDAR (p.16) does not include impacted areas associated with the construction of:</p> <ul style="list-style-type: none"> Proposed temporary sediment basins, Piped drainage lines and swales (formal and informal), 	<p>The development footprint has been updated to include all the areas listed in the Council memorandum as well as the following additional areas subsequently requested to be considered by Council:</p> <ul style="list-style-type: none"> The location of the gabion walls

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
	<ul style="list-style-type: none"> • The extent of works surrounding the formalisation of the existing pond and its use as Retarding Basin 2, • The dewatering of an existing dam and the construction of a new one, • Proposed Wetland/Retarding Basin 1, • The proposal for 2km of a generally 1.5m wide network of internal pathways and boardwalks proposed in Landscape Design Response prepared by Florence Jaquet, dated 5 December 2019, and 	<ul style="list-style-type: none"> • The footprint of the buildings and any service areas, trenching plus a 1.5m buffer • The driveway from the workshop to Park Road as • The new clubhouse carpark areas east of the existing carpark and north of the existing carpark including a 1m buffer, and the community facility (pool and gym complex) including a 1.5m buffer • The location of the sewer pipeline and sewer pump station works • the entrance to the Clubhouse carpark is in accordance with the design to which TfNSW has provided concurrence. <p>In response to additional queries from Council we also confirm:</p> <ul style="list-style-type: none"> • The sewer will be piped underneath Jerry's Creek using trenchless construction. There will be no open excavation in proximity of the creek and therefore no sediment /erosion issues. Refer plan prepared by WSP at Attachment A. • A letter from EcoLogical confirming that there are no ecological impacts arising from the proposed sewer line will be appended to the amended BDAR. • The BDAR will include consideration of direct and indirect impacts and impacts to prescribed species.

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
	<ul style="list-style-type: none"> Required earthworks for terracing of burial areas owing to the slope of the site, in particular for full monumental burial typologies situated in sloping locations (refer to blue hatched area on Florence Jaquet Landscape Masterplan drawings 3102, sheet 04 and L603, sheet 15). 	<p>There is no terracing for burials required as part of DA19/0875. The burial layout plan will be updated as a condition of consent to reflect the reduced height monuments agreed as part of DA17/1092.</p>
	<p>The cover letter notes that the revised BDAR does not assess impacts to trees which may or may not require removal due to safety reasons.</p> <p>Further explanation is needed in relation to this statement. It is unclear which trees are impacted and what the safety reasons include.</p>	<p>An AIA is in preparation and will be submitted to Council shortly. The AIA considers the development footprint agreed with Council.</p> <p>An amended BDAR will be prepared following the finalisation of this AIA.</p>
	<p>In relation to Attachment I – Tree Classification, prepared by ArborSafe, Council's Biodiversity Officer notes that this is a guide to tree classification only, and that the Applicant's Cover Letter notes that a revised Arboricultural Impact Assessment (AIA) is pending.</p> <p>It is not clarified if the EcoLogical BDAR has taken into account the completed revised tree classification report or AIA.</p>	
	<p>Council's Biodiversity Officer raises that it appears that there are plans for ongoing tree removal relative to the timing of development</p>	

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
	<p>requirements and to meet the requirements for burial locations progressively.</p> <p>It is not clear if these vegetation removal requirements have been assessed within the BDAR. Council requires that the full extent of the development and intended use are included in the BDAR assessment and clarification is required.</p>	
	<p>It is unclear from the information submitted precisely which trees are to be retained or removed.</p> <p>Council would seek the opportunity to review the revised assessment and conduct a site inspection with Council's Senior Biodiversity Officer and Tree Preservation Officer present, with the intention to review the trees that have now been excluded from the assessment on the grounds of constituting a 'safety reason' and sight the location of significant habitat trees. Vegetation for removal and retention must be clearly mapped and tagged on site. This inspection may best be conducted with the Applicant's representatives to assist the timely resolution of any onward concerns.</p>	<p>The AIA will identify which trees are to be retained or removed. If after consideration of the AIA Council would like to undertake a site visit the applicant is open to discussing this.</p>
	<p>Landscape plans indicate the removal of a stand of trees located north of the Chapel building.</p>	<p>Final landscape plans will be provided as a condition of consent. These will correlate</p>

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
	This stand of trees contains habitat which is to be retained and protected in accordance with the applicant's Vegetation Management Plan (VMP) which requires the retention of marked habitat trees in this stand (amongst other locations).	with the final tree removal and retention plan, AIA and the VMP. Permanent and temporary protective fencing and habitat trees will to be noted on landscape plans.
	The Travers Flora and Fauna Assessment Report referenced in the supplementary material has not been submitted to Council as part of the DA material.	Provided to Council as Attachment B .
(e) Contamination <i>Written advice is to be supplied from the relevant authority to satisfy Clause 7.7 of PLEP as it relates to sewer servicing as identified by Council's assessment report.</i>	Upon review of the applicant's material, Council is of the view that the proposal is satisfactory in relation to contamination matters, subject to relevant conditions being imposed.	Noted. No further action required.
(f) Infrastructure <i>Written evidence is to be supplied from the relevant authority to satisfy Clause 7.7 of PLEP as it relates to sewer servicing as identified by Council's assessment report.</i>	Upon review of the applicant's material, Council is of the view that the proposal is satisfactory in relation to Clause 7.7 of PLEP, subject to the relevant conditions of consent requiring connection to water and wastewater prior to operation of the relevant phase.	Noted. No further action required.
(g) SEPP Infrastructure <i>The concurrence and conferral requirements of SEPP Infrastructure are to be addressed.</i>	The concurrence of TfNSW has been received in its letter dated 21 May 2021. The concurrence is issued with conditions requiring amendments to the applicant's plans. The amendments required will result in a reduced impact on existing mature trees located on the southern side of Park Road and reduced impacts on existing access to nearby residential properties.	Noted. No further action required.

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
	The TfNSW requirements could be included as conditions, should consent be granted.	
<p>(h) Consistency and clarity on tree retention. <i>The proposed tree retention and tree removal is to be clarified and documented, with the justification for tree removal in burial locations and within 30-50m of Park Road and external interface boundaries to be articulated. Removal might be avoided where control of access to the trees is an alternative.</i></p>	<p>Applicant notes that an updated Arboricultural Impact Assessment (AIA) is in the process of being completed.</p> <p>It is concluded that the Travers Tree Assessment Report, the supplementary Tree Disturbance Plan (Applicant's Attachment H) and the Florence Jaquet landscape plans accompanying the DA, cannot be relied upon as a source for accurate information on tree and vegetation removal and retention.</p> <p>It is not accurately known how many trees are sought to be removed as part of the development application as plans and reports do not correlate. Tree removal and retention inconsistencies include:</p> <ul style="list-style-type: none"> - Select trees marked for retention in the Travers Reports (being the VMP and Tree Assessment Report) are marked as being removed on the landscape plans. - Landscape plans propose the removal of habitat trees required to be retained as recommended by the Travers Vegetation Management Plan 	<p>An AIA covering the agreed development footprint and Tree Retention and Removal Plan are currently in preparation and will be supplied to Council imminently.</p> <p>The AIA and TRRP are being prepared in response to and will address these Council comments.</p>

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
	<ul style="list-style-type: none"> - The Landscape plans do not detail the areas required to be fenced, protected and re-vegetated as proposed within the Travers Vegetation Management Plan. This is important as the re-vegetation areas are not to be trafficable and are not to be utilised for burials and ash internments. - Inadequate justification is provided for removal of trees marked 'Drainage' and 'Development', 'Earthworks', 'Health' and 'Safety' - The Applicant's Tree Disturbance Plan (Applicant's Attachment H) does not accurately identify trees which require removal in relation to dam and swale construction and does not correlate with the Tree Assessment Report or VMP. Refer to Table 1 below. - The Landscape Design Response prepared by Florence Jaquet, dated 5 December 2019 (p.12) includes areas which are identified as being suitable for burials, terraced burials and memorial gardens. Page 32 notes areas for passive recreation. Each of these plans are in conflict with the native revegetation area 	

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
	<p>identified in the Travers Vegetation Management Plan.</p> <ul style="list-style-type: none"> - Tree retention, landscape master plans and buffer planting locations require amending to reflect the Council and TfNSW endorsed and amended traffic plans prepared by TTPP (The Transport Planning Partnership), which indicate amendments to the proposed eastern cemetery intersection and road widening design. 	
Additional Matters		
Orchid siting	Concerns raised in relation to an orchid species having been sited on the golf course.	The applicant has consulted with Council, and representatives from DPIE regarding the management an approach to this. A deferred condition of consent has been agreed requiring that the applicant to determine the likelihood of the orchid to have persisted on the site.
(d) Sustainability	<p>The DA was submitted with a 'Sustainability Strategies – ESD Report', prepared by Steensen Varming, dated 4/12/2019, Rev. 03.</p> <p>Although the report outlines possible initiatives and provides a summary of potential employable sustainable initiatives and design responses, no recommendations are provided.</p> <p>The plans for the buildings (chapel, administration, clubhouse, indoor pool and</p>	Noted. The applicant is willing to accept a condition of consent to address this.

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
	<p>gymnasium) have not had regard to the Report's content and do not address the LEP clause. No solar panels or other energy efficiency or emission reduction measures are proposed.</p> <p>Council seeks the installation of solar panels on the clubhouse and administration building roof tops and the installation of a commercial solar pool heating device such as strip solar, rigid panels or the like, in relation to the proposed indoor pool, and the installation of rainwater tanks to the clubhouse, pool/gym complex and to the administration building.</p>	
<p>3. (e) Finished levels, Retaining walls, earthworks</p>	<p>The architectural plans do not include sufficient detail demonstrating that the finished levels are appropriately dealt with in the architectural, civil and landscaping design of the Park Road front car park. No retaining wall locations or top of wall heights are detailed on the plans.</p> <p>An assessment of the levels and proposed landscaping is necessary as the finished levels are relevant to streetscape presentation.</p>	<p>Axil architecture has prepared a site plan and sections including existing and proposed levels. Refer Attachment C.</p> <p>The submitted plans demonstrate that the difference in existing and proposed levels ranges from 200mm to 600mm along the Park Road frontage. The level change from the rear of the carpark to the top of wall height at the interface with Park Road is approximately 450mm.</p> <p>The 5.5m landscaped setback between the carpark and the street provides a buffer between the carpark and the street and these minor level changes do not have a significant impact on the streetscape.</p>

Deferral Matter	Council Comment from 31 May Memorandum	Applicant Response
<p>3.(f) Landscape design response</p>	<p>The Landscape Design Response prepared by Florence Jaquet, dated 5 December 2019 states that the 15m wide “burial free” landscape buffer applies along all boundaries (p.9). This conflicts with the statement in the same document at page 31 which includes that the 15m landscaped buffer will include ‘future memorial gardens for ash internments’.</p> <p>Page 16 of the Landscape Design Response notes that the design of the cemetery complies with the requirement to have burials a minimum of 50m distance from permanent water bodies and 10m distance from drainage lines (ag drains, ephemeral swales and other water structure). Should consent be granted, a condition of consent would be sought in this regard.</p>	<p>Final landscape plans will be provided as a condition of consent which will include a 15m wide burial free landscape buffer.</p>

8 March 2021

Our ref: 20WOL_15736

Catholic Cemeteries + Crematoria
Level 2, 11 Murray Rose Avenue
Sydney Olympic Park NSW 2127

Attention: David De Angelis

Dear David,

Re: Biodiversity Impact of Sewer – Wallacia Memorial Gardens

Eco Logical Australia Pty Ltd (ELA) has reviewed the attached proposed sewer pipeline for the Wallacia Memorial Gardens and confirms that the sewer pipeline would not require additional clearing of native vegetation.

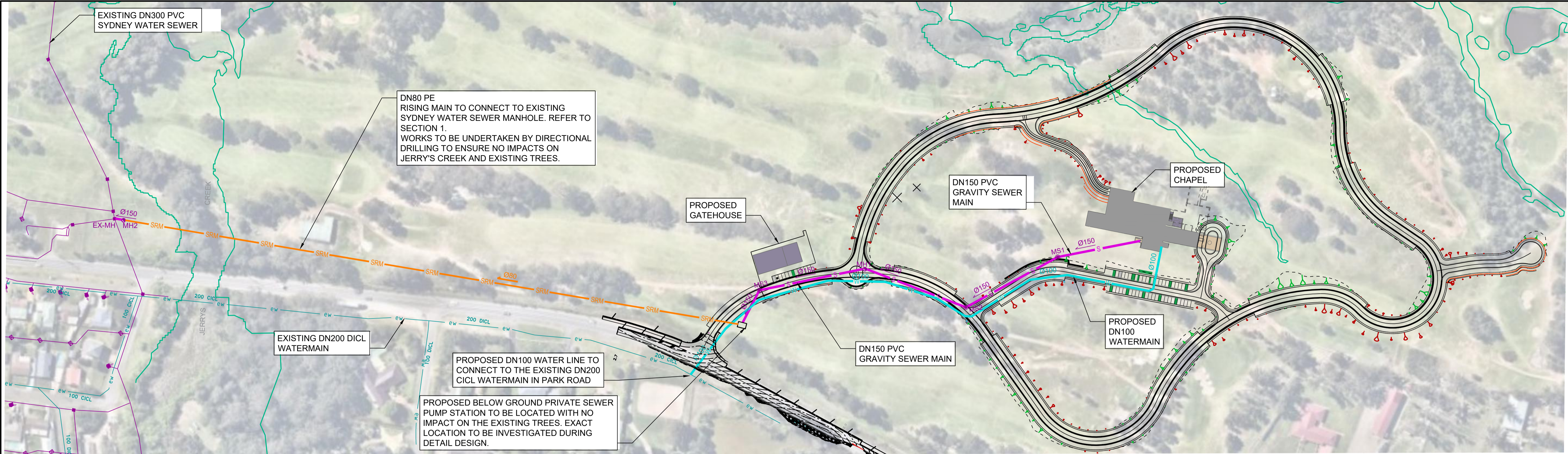
The sewer line (marked in purple with 'S') and potable water line (marked blue with 'W') on the attached plan are within the proposed internal driveway/road alignment and therefore will not require any additional clearing beyond that required for construction of the road.

The sewer rising main (marked in orange with 'SRM') will be constructed using direction drilling which requires no surface disturbance other than at the entry and exist points, both of which are in areas already clear of vegetation. The depth of the directional drilling is no less than 1.775m below ground surface in the vicinity of Manhole 2, at least 2.63m below the level of Jerrys Creek and significantly greater depth for the remainder of the drilling.

Regards,

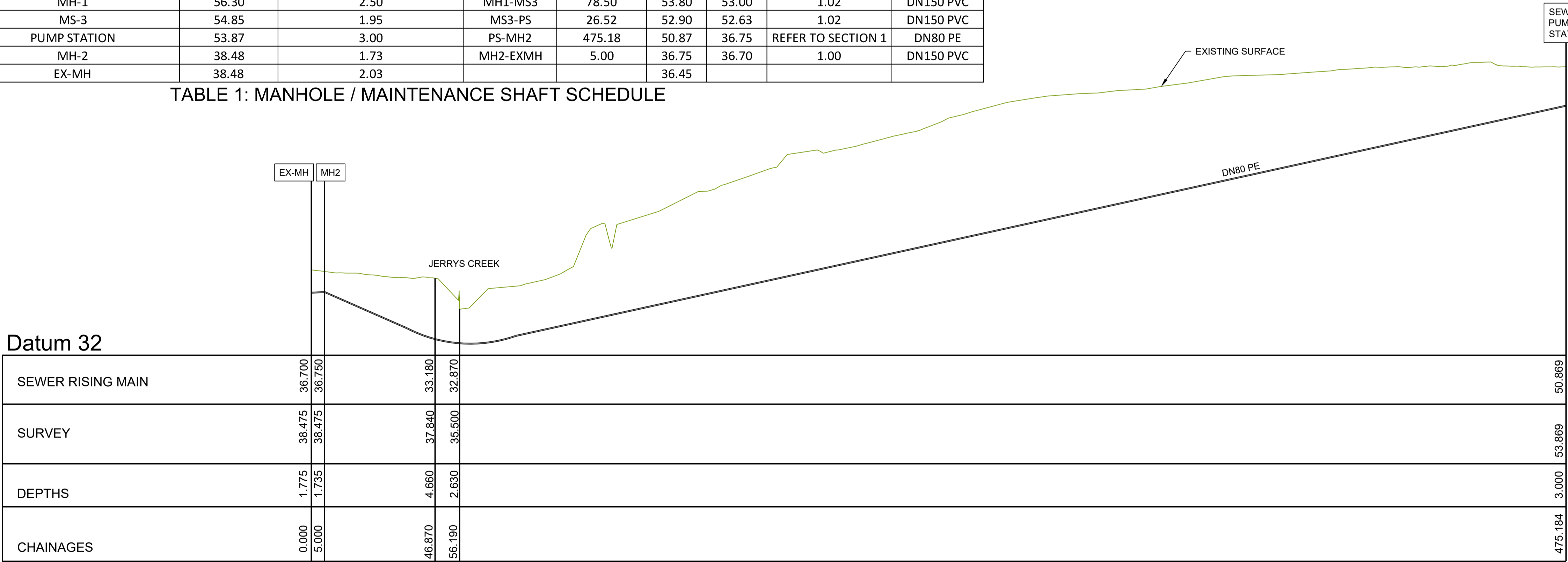


David Bonjer
Principal Consultant



MANHOLE / MAINTENANCESHAFT	SURFACE LEVEL	DEPTH	PIPE	LENGTH	Ilout	ILin	GRADE	PIPE SIZE
MS-1	56.60	1.00	MS1-MS2	78.70	55.60	54.80	1.02	DN150 PVC
MS-2	56.70	2.00	MS2-MH1	79.60	54.70	53.90	1.01	DN150 PVC
MH-1	56.30	2.50	MH1-MS3	78.50	53.80	53.00	1.02	DN150 PVC
MS-3	54.85	1.95	MS3-PS	26.52	52.90	52.63	1.02	DN150 PVC
PUMP STATION	53.87	3.00	PS-MH2	475.18	50.87	36.75	REFER TO SECTION 1	DN80 PE
MH-2	38.48	1.73	MH2-EXMH	5.00	36.75	36.70	1.00	DN150 PVC
EX-MH	38.48	2.03			36.45			

TABLE 1: MANHOLE / MAINTENANCE SHAFT SCHEDULE



- NOTES:
1. POSITION OF MANHOLES TO BE FINALISED DURING THE DETAILED DESIGN PHASE.
 2. SEWER RISING MAIN LONG-SECTION HAS BEEN SHOWN INDICATIVELY ONLY, SUBJECT TO FURTHER GEOTECHNICAL INVESTIGATION AND DISCUSSION WITH SPECIALIST CONTRACTORS DURING DETAILED DESIGN.
 3. EXISTING SYDNEY WATER RECORDS AND WATER ASSETS HAVE BEEN PLOTTED FROM SYDNEY WATER RECORDS AND THE EXACT LOCATION TO BE INVESTIGATED DURING DETAILED DESIGN.
 4. INSPECTION OPENINGS TO BE PROVIDED AT 30m CENTRES ON THE PRIVATE SEWER MAIN.

Datum 32

SEWER RISING MAIN	36.700	36.750	33.180	32.870	50.869
SURVEY	38.475	38.475	37.840	35.500	53.869
DEPTHS	1.775	1.735	4.660	2.630	3.000
CHAINAGES	0.000	5.000	46.870	56.190	475.184

SEWER RISING MAIN LONGSECTION 1

SCALE: VERTICAL 1:750; HORIZONTAL 1:150

LEGEND	
	SEWER PIPE DIAMETER AND FLOW
	EXISTING SEWER LINE
	SEWER LINE
	SEWER RISING MAIN
	SEWER PIPE DIAMETER DIRECTION OF FLOW
	SEWER MAINTENANCE HOLE
	SEWER MAINTENANCE SHAFT
	POTABLE WATER MAIN PIPE DIAMETER
	POTABLE WATER MAIN
	EXISTING POTABLE WATER MAIN PIPE DIA.
	EXISTING WATER MAIN

DO NOT SCALE FROM DRAWINGS. CHECK & VERIFY ALL DIMENSIONS & LEVELS BEFORE COMMENCEMENT OF ANY WORK.

THIS DRAWING IS NOT TO BE COPIED IN PART OR WHOLE WITHOUT WRITTEN PERMISSION FROM WARREN SMITH AND PARTNERS.

NORTH

SCALE 1:1500 AT SHEET

REVISION	AMENDMENT	DATE	REVISION	AMENDMENT	DATE
01	ISSUE FOR INFORMATION	02/11/20			
02	ISSUE FOR INFORMATION	06/11/20			

CLIENT

Catholic Cemeteries & Crematoria
Care, Compassion, Choice

PROJECT

NEPEAN GARDENS

PREPARED BY

Warren Smith & Partners Pty Ltd
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CONSULTING ENGINEERS

- Hydraulic Services
- Fire Protection
- Civil Engineering
- Sydney Water Accredited Water Servicing Co-ordinator
- Design Project Management - Building Plan Approvals

SERVING THE CONSTRUCTION INDUSTRY SINCE 1981.

SEWER AND WATER SERVICING SKETCH						
SCALE	DRAWN	DESIGNED	CHECKED	APPROVED		
AS SHOWN	M.Cz.	M.Cz.	M.C.	M.C.		
JOB No.	DRAWING No.		ISSUE			
5936000	SK-11		2			
DATE	STATUS					
OCTOBER 2020	ISSUE FOR INFORMATION					

PRELIMINARY NOT FOR CONSTRUCTION

A possum is shown climbing a tree trunk, its body pressed against the rough bark. The possum's head is tilted back, and its mouth is open, showing its teeth. The tree trunk is vertical and occupies the left side of the image. The background is a solid blue color.

Travers

bushfire & ecology

Tree Assessment

Proposed 9 Hole Golf Course
and Cemetery
Lot 2 DP 1108408
Lot 512 DP 1079728
13 Park Road, Wallacia

December 2019
REF: (18CMCT02T)



Tree Assessment Report

Proposed Cemetery and Golf Course Redevelopment Lot 2 DP 1108408 Lot 512 DP 1079728 13 Park Road, Wallacia

Report authors:	Robert Sansom B. Sc. (Hons.) - Botanist
Plans prepared:	Sandy Cardow B. Sc. – GIS Technician
Approved by:	Michael Sheather-Reid - B. Nat. Res. (Hons.) Managing Director
Date:	09 December 2019
File:	18CMCT02T

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Disclaimer:

This report has been prepared to provide advice to the client on matters pertaining to the particular and specific development proposal as advised by the client and / or their authorised representatives. This report can be used by the client only for its intended purpose and for that purpose only. Should any other use of the advice be made by any person including the client then this firm advises that the advice should not be relied upon. The report and its attachments should be read as a whole and no individual part of the report or its attachments should be interpreted without reference to the entire report.

The mapping is indicative of available space and location of features which may prove critical in assessing the viability of the proposed works. Mapping has been produced on a map base with an inherent level of inaccuracy, the location of all mapped features are to be confirmed by a registered surveyor.

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Executive Summary

This tree assessment report has been prepared by *Travers bushfire & ecology* for a proposed memorial garden and reconfigured golf course within Lot 2 DP 1108408, Lot 512 DP 1079728 at 13 Park Road, Wallacia, within the Penrith local government area (LGA). Its purpose is to:-

- assess the condition and significance of trees
- Identify trees to be retained and removed

The proposed memorial gardens is located on the eastern portion of the site and a reconfigured 9 hole golf course on the eastern portions and will henceforth be referred to as the 'subject site'.

A safe useful life expectancy (SULE) assessment was conducted between 27 September and 12 October 2017. Due to likely impacts on further trees due to the reconfigured fairways, additional trees were assessed on 29 – 30 September 2019. This tree assessment report has been prepared in accordance with Australian Standard *AS4970 (2009) – Amendment No. 1 2010*.

Impact of the proposal on trees

It was estimated that approximately one thousand eight hundred (1,800) trees with a 10cm diameter at breast height (DBH) were present within the site. An assessment of all trees equal or greater than 10cm DBH and located only within or in proximity to the proposed works was undertaken. A total of 1,215 trees were assessed within the proposal footprint and immediate surrounds within the site.

It is noted that the SULE assessment identifies that the majority of the trees observed are in fair to good condition. Seven hundred and eighty-two (782) of the 1,215 assessed trees (64.36%) had a SULE condition rating of 1 or 2. This indicates that the overall health of the trees onsite is moderate to good.

The proposal will require the removal of 465 trees within or immediately adjacent to the development footprint regardless of their SULE rating. The breakdown is as follows based on an estimated one thousand eight hundred (1,800) trees with a DBH of 10cm or greater present within the site:

- Remove trees within or immediately adjacent to the development footprint (Earthworks, Development, Drainage, Golf course and Constructed wetland) - 237/1800 trees = 13.17%
- Remove trees with a low health or unsafe SULE rating (some 3b, 3c and all 4a-4f) – 212/1800 trees = 11.78%,
- Remove trees that are invasive exotic species – 16/1800 = 0.89%
- Retain all other trees wherever possible – 750 assessed trees + estimated 585 trees not assessed = 1,335/1,800 = 74.16%

Based on the above approach, the proposal and additional removal of low health, unsafe/dangerous trees or weed species results in the removal of 465 trees or 25.83% of the 1,800 trees estimated to occur within the subject site.

Tree protection zones (TPZ) are to be implemented for any retained tree within or in proximity to the proposed works in accordance with Australian Standard *AS4970 (Section 4)*. This report defines the Structural Root Zone (SRZ), Tree Protection Zone (TPZ) and other

protection measures required for trees to be retained also in accordance with Australian Standard AS4970.

Significant trees

Some of the endemic native trees present within the golf course are consistent with either the critically endangered ecological community (CEEC) Cumberland Plains Woodland (CPW) or with the Endangered Ecological Community (EEC) River-flat Eucalypt Forest on Coastal Floodplains. These threatened ecological communities are confirmed from vegetation mapping of the subject site within the *Native Vegetation Maps of the Cumberland Plain, Western Sydney* (NPWS 2002).

Ninety-four (94) trees within the subject site are visually prominent trees primarily due to their size and being 'larger than most' of the trees observed in one or more parameters such as DBH, spread or height. However, given that many other trees throughout the wider locality are comparable in size, the removal of thirty-three (33) of the ninety-four (94) visually significant trees due to their location within the development footprint (19 trees) or weed species (1 tree) is not likely to be significant. A further thirteen (13) visually significant trees are nominated for removal due to being of dangerously poor health such that they pose a risk to life or property. A total of thirty-eight (38) or 35.11% of the visually significant trees will be removed while sixty-one (61) or 64.81% of visually significant trees will be retained.

Twenty-two (22) trees were found to contain a variety of small cracks, splits or hollows. Surveys and opportunistic observations have identified that some of these hollows are occupied by native fauna such as microchiropteran bats, and other hollows are suitable for birds such as Rainbow Lorikeets. Nine (9) of the 22 assessed hollow bearing trees (38.09%) are to be removed due to proposed works (3) or poor health / safety reasons (5). Thirteen (13) or 61.90% of all assessed hollow bearing trees will be retained.

If any hollow-bearing tree is identified for removal, it will require pre-felling survey and supervision during felling by a suitably accredited fauna ecologist to effectively recover any residing fauna, particularly threatened species if present. Felling of hollow-bearing trees must follow best practice guidelines to ensure the best ethical treatment of resident fauna.

The Penrith City Council LEP (2010) Register of Significant Trees does not list any trees of conservation significance within the suburb of Wallacia or along Park Road. Trees may however be included in a tree significance register if the specimen displays cultural, historic, scientific and/ or aesthetic value. No trees present on site are considered appropriate for nomination to this register.

List of abbreviations

AS 4970	Protection of trees on a development site
APZ	asset protection zone
BPA	bushfire protection assessment
CEEC	Critically Endangered Ecological Community
CPW	Cumberland Plain Woodland
CRZ	critical root zone
DCP	Development Control Plan
DOEE	Commonwealth Department of Environment & Energy
DPIE	NSW Department of Planning, Industry and Environment
EEC	endangered ecological community
EPA	Environment Protection Agency
<i>EP&A Act</i>	<i>Environmental Planning and Assessment Act</i>
<i>EPBC Act</i>	<i>Environment Protection and Biodiversity Conservation Act</i>
ESMP	ecological site management plan
FF	flora and fauna assessment
FM Act	<i>Fisheries Management Act</i>
FMP	fuel management plan
ha	hectares
HTA	habitat tree assessment
IPA	inner protection area
LEP	local environment plan
LGA	local government area
m	metres
NES	national environmental significance
NPWS	NSW National Parks and Wildlife Service
NSW DPI	NSW Department of Industry and Investment
OEH	Office of Environment and Heritage (Part of the NSW Department of Premier and Cabinet)
OPA	outer protection area
PBP	<i>Planning for bush fire protection 2006</i>
<i>RF Act</i>	<i>Rural Fires Act</i>
RFEF	River Flat Eucalypt Forest
RFS	NSW Rural Fire Service
ROTAP	rare or threatened Australian plants
SEPP 44	<i>State Environmental Protection Policy No 44 – Koala Habitat Protection</i>
SRZ	structural root zone
SULE	safe useful life expectancy
TPO	tree preservation order
TPZ	tree protection zone
TRRP	tree retention and removal plan
<i>TSC Act</i>	<i>Threatened Species Conservation Act</i>

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Attached Schedules

Schedule 1 – Tree Assessment Data Table

Schedule 2 – SULE Assessment and retention / removal plans (x8)

Schedule 3 – SULE Ratings & Terminology



Background

1

This tree assessment report has been prepared by *Travers bushfire & ecology* for a proposed memorial garden and reconfigured golf course within Lot 2 DP 1108408, Lot 512 DP 1079728 at 13 Park Road, Wallacia, within the Penrith local government area (LGA).

The proposed memorial gardens is located on the eastern portion of the site and a reconfigured 9 hole golf course on the eastern portions and will henceforth be referred to as the 'subject site'.

A safe useful life expectancy (SULE) assessment was conducted between 27 September and 12 October 2017. Due to likely impacts on further trees due to the reconfigured fairways, additional trees were assessed on 29 – 30 September 2019. This tree assessment report has been prepared in accordance with Australian Standard *AS4970 (2009) – Amendment No. 1 2010*.

This assessment is based on the SULE classification (Barrell, 1993). The purpose of this information shall be used to document trees to be retained or removed for development approval compliance and to identify the ecological, historical and visual significance of trees to be removed and/or retained as part of the future development of the site. Those trees to be retained within the development should also be of sufficient condition and form to minimise the risk of tree damage to property or persons.



N
SCALE 1:1500

LEGEND

- PROPERTY BOUNDARY
- HOLE CENTRELINE
- SCOTTING CONTOUR
- DESIGN CONTOUR - METRE
- DESIGN CONTOUR - HALF
- SCOTTING FEATURES
- PROPOSED GOLF FEATURES
- SCOTTING OF BULK EARTHWORKS
- DRAINAGE LINE (TERRAIN PIV)
- DRAINAGE LINE (TERRAIN PIV)
- DRAINAGE LINE (TERRAIN AD)
- SCOTTING PIV
- CART PATH (SCOTTING)
- DISCONTINUED BARRIER
- CART PATH (PARK)
- TERRAIN BOARDWALK BRIDGE
- PROPOSED BLANKET
- PROPOSED GREEN
- PROPOSED GREEN (TERRAIN PIV)
- PROPOSED TEE
- PROPOSED TEE (TERRAIN PIV)
- PROPOSED FAIRWAY
- PROPOSED FAIRWAY (TERRAIN PIV)
- PROPOSED BUNKER
- PROPOSED BUNKER (TERRAIN PIV)
- GREEN / WETLAND (SCOTTING)
- GREEN / WETLAND (PROPOSED)

WALLACIA COUNTRY CLUB

CLIENT
CATHOLIC METROPOLITAN CEMETERIES TRUST

PROJECT
WALLACIA COUNTRY CLUB

DRAWING NO.
W917-DA-02

SCALE
1:1500 (A1)

DATE
11.11.2019

ISSUE
2 / 12

GOLF COURSE GENERAL LAYOUT PLAN

REV	DESCRIPTION	DATE
A	ISSUE FOR REVIEW	22.06.19
B	ISSUE FOR REVIEW	31.02.19
C	ISSUE FOR APPROVAL	11.11.19

Figure 2 – Proposed golf course plan



Survey Methods

2

2.1 Tree survey and condition assessment

Tree survey and assessment of the study area was conducted between 27 September and 12 October, 2017. After changes to the proposal, further tree survey was undertaken on 29-30 October 2019. Tree inspections and assessment were undertaken in accordance with Australian Standard *AS4970 (2009)-Amendment 1 (2010)*.

The aim of this tree assessment is to assess the condition and significance of one-thousand two-hundred and fifteen (1,215) trees within or immediately adjacent to the development footprint as well as determine tree locations according to proposed building envelopes, earthworks and services.

The following survey and assessment was undertaken:

- an inspection of the site and relevant native and planted exotic trees
- aerial photographic interpretation of the study area
- a health assessment (SULE rating) of the trees
- an assessment of the significance of individual trees
- compilation of this report detailing the results of the above assessments.

Trees with diameter at breast height (DBH) greater than 10cm were assessed. The tree assessment data is provided within Schedule 1, the location and number of each tree is shown in Schedule 2 and a description of terminology used is provided as Schedule 3.

The management requirements for maintaining safe trees (pruning, thinning etc.) was also considered in determining the health rating, therefore health ratings given to trees within this report assumes that appropriate maintenance will be provided by a qualified arborist during the life of the assessed trees. Incorrect or absent tree maintenance can significantly accelerate tree decline and increase hazard potential.

2.2 Identification of tree species

The identification of tree species is undertaken using available field guides and botanical texts. For any unidentifiable species a qualified and experienced botanist is utilised to confirm the tree identification. In some cases exotic species were identified to family name only. Samples may be sent to the Royal Botanic Gardens for a positive identification should a potential threatened or rare species be present and where the field identification is not clear. Further samples may be required during flowering and fruiting seasons of the tree to confirm the identification.

2.3 Structural faults and decay

Visible evidence of structural defects and evidence of decay is briefly assessed during tree inspections. Structural defects are categorised into (Matheny & Clark 1994):

- root defects – including but not limited to suspect root rot, root exposure, root pruning or restriction
- trunk defects – including but not limited to evidence of decay, structural damage, *Phytophthora* and bracket fungi, excessive lean, exposed wood, borer damage, hollows, cracks, deadwood and multiple attachments
- crown defects - including but not limited to poor taper, bow or sweep, forks, multiple attachments, excessive end weight, cracks, splits, hangers, girdling, wounds, decay, cavities, conks, mushroom or bracket fungi, bleeding/sap flow, hollows, deadwood, borers, termites, ants, cankers, balls, burls and previous failures

Visible evidence of structural defects or decay are noted during inspections however we advise that the individual trees require detailed assessment if they are located or are to be retained in close proximity to buildings or proposed works.

Overall tree health is an indicator of the life of the tree but sometimes hidden structural defects or decay can cause immediate structural failure when a tree is subjected to mechanical stress or forces due to high winds or other natural impacts.

Structural defects or decay are not always visible from the exterior and may only become evident after damage has been caused. In the event that structural faults are detected, such as caused by hollows, fungal or termite attack, then internal diagnostic testing of the trees structural integrity is recommended.

Internal Diagnostic Testing (IDT) can be undertaken by Resistograph® to determine the trees structural integrity by measuring the location, extent and positioning of internal decay at the defects detected.

Travers bushfire & ecology advises that an a qualified specialist arborists advice should be sought for any trees in close proximity to any proposed works or if a structural assessment is required to determine the extent of structural faults and decay for tree retention or removal purposes.



Survey results

3

A total of one thousand two hundred and fifteen (1,215) trees with a DBH greater than 10cm were assessed within the subject site (see Schedule 1). Trees were numbered T0001, T0002, T0003, etc., through to T1215 and a metal tag embossed with the tree number was placed on the trunk for re-identification during future works. Tree tags were attached generally at a height of approximately 2 metres. Tree tag number 245 was not used, there is also a double-up with tags T1194 and T1194A, therefore the number of trees assessed (1,215) has tags going to 1,215.

3.1 Endangered ecological communities (EECs)

Some of the endemic native trees present within the golf course are consistent with either the critically endangered ecological community (CEEC) Cumberland Plain Woodland (CPW) or with the Endangered Ecological Community (EEC) River-flat Eucalypt Forest on Coastal Floodplains (RFEF). These threatened ecological communities are confirmed from ground-truthing during the Flora and Fauna survey and assessment (2017 and 2019) as well as from vegetation mapping of the subject site within the *Native Vegetation Maps of the Cumberland Plain, Western Sydney* (NPWS 2002).

3.2 Council's significant tree register

The Penrith City Council LEP (2010) Register of Significant Trees does not list any trees of conservation significance within the suburb of Wallacia or along Park Road. Trees may however be included into a tree significance register if the specimen displays cultural, historic, scientific and/or aesthetic value. No trees present on site are considered appropriate for nomination to the significant tree register.

3.3 Visually prominent trees

Ninety-four (94) trees within the subject site are visually prominent trees primarily due to their size and being 'larger than most' of the trees observed in one or more parameters such as DBH, spread or height. However, given that many other trees throughout the wider locality are comparable in size, the removal of thirty-three (33) of the ninety-four (94) visually significant trees due to their location within the development footprint (19 trees) or weed species (1 tree) is not likely to be significant. A further thirteen (13) visually significant trees are nominated for removal due to being of dangerously poor health such that they pose a risk to life or property. A total of thirty-eight (38) or 35.11% of the visually significant trees will be removed while sixty-one (61) or 64.81% of visually significant trees will be retained.

3.4 Hollow bearing trees

Twenty-one (21) trees were found to contain a variety of small cracks, splits or hollows. Surveys and opportunistic observations have identified that some of these hollows are occupied by native fauna such as microchiropteran bats, and other hollows are suitable for

birds such as Rainbow Lorikeets. Eight (8) of the 21 assessed hollow bearing trees (38.09%) are to be removed due to proposed works (3) or poor health / safety reasons (5). Thirteen (13) or 61.90% of all assessed hollow bearing trees will be retained.

If any hollow-bearing tree is identified for removal, it may require fauna survey prior to felling and will require supervision by a suitably accredited fauna ecologist at the time of felling to effectively recover any residing fauna, particularly threatened species if present. Felling of hollow-bearing trees must follow best practice guidelines to ensure the best ethical treatment of resident fauna.

3.5 SULE rating

An assessment of the attributes and health of each assessed tree is contained in Schedule 1. Where trees have been downgraded with respect to health, a comment as to the reasons for the downgrade is generally provided.

A summary of SULE results is provided in the following table:

Table 1 – Summary of SULE ratings

SULE rating	No. of trees assessed	Proportion of trees assessed
1a	2	0.16%
1b	0	0.00%
1c	1	0.08%
2a	713	58.68%
2b	3	0.25%
2c	48	3.95%
2d	15	1.23%
3a	62	5.10%
3b	43	3.54%
3c	129	10.62%
3d	6	0.49%
4a	121	9.96%
4b	0	0.00%
4c	67	5.51%
4d	5	0.41%
4e	0	0.00%
4f	0	0.00%
TOTAL	1,215	100%

Generally, the trees on site were found to be in a moderate to good condition. Seven hundred and eighty-two (782) of the 1,215 assessed trees (64.36%) had a SULE condition rating of 1 or 2. This indicates that the overall health of the trees onsite is moderate to good.

Some areas within the subject site contain trees that are crowded and/or suppressed, mostly due to regrowth of younger, smaller specimens underneath established larger trees, or in areas that have been densely planted. This has resulted in a number of the trees being given a reduced SULE rating. This crowding and suppression can result in narrowing, tilting, off-centre canopies, canopy dieback and poor structural growth due to competition for available resources. However, it is considered that the level of suppression within the subject site is not high and that if natural processes cause a larger tree to die, the smaller trees underneath will rapidly fill the vacant space.

Various other defects related to poor health were observed for different trees and generally, where a tree's health has been downgraded the reasons are provided in the comments column in Schedule 1.

Trees of lower health or vigour are mostly given a SULE rating of 3b as they tend to present safety or nuisance problems and often have a moderate to large amount of deadwood which indicates a decline in health and potential safety concerns now or in the near future, despite the potential for them to remain alive for up to fifteen (15) years or more.

Trees of a suppressed nature with limited or minor defects are likely to be retainable. However, those that are heavily suppressed or have some defect due to over-competition have largely been rated at a lower SULE rating. Trees with a tolerable amount of suppression have generally been given a moderate SULE rating and can often be retained with a further assessment carried out within two to five (2-5) years to assess whether their condition has deteriorated or improved.



Tree Removal & Impacts

4

4.1 Removal of trees due to proposal

The proposal is for the western half of the site to be a revised 9-hole golf course, while the eastern parts of the site is for a proposed cemetery which includes buildings, internal roads and services. These areas are situated within a large area (approximately 44ha) of existing golf course. It was estimated that there were 1,800 trees within the subject site. A total of 1,215 trees were assessed for a SULE rating because they were within or immediately adjacent to the proposal footprint. Two-hundred and thirty-seven (237) trees or 13.16% of the 1,800 trees estimated to occur within the subject site are proposed for removal, regardless of their SULE rating, as they are located within or immediately adjacent the development footprint, drainage, golf course, wetland or associated earthworks.

4.2 Removal of trees due to condition

In assessing the removal of trees for a proposal, trees assessed with a SULE rating of 3b, 3d or 4a – 4f are generally recommended for removal based on a short life expectancy, are dangerous or in a very poor condition. This is particularly in the case of trees in close proximity to adjoining buildings or areas where the public has access.

The following table is a summary of trees proposed for removal and retention:

Table 4.1 – Trees to be removed and retained

Trees removed within the development footprint	237	13.17% of estimated 1800 trees
Removal of trees with a poor SULE ratings that have safety or nuisance concerns – SULE 4a to 4f and some others rated 3b or 3d	212	11.78% of estimated 1800 trees
Trees removed for being invasive weeds	16	0.89% of estimated 1800 trees
Trees retained (750 assessed trees PLUS 585 estimated trees not assessed)	1,335	74.17% of estimated 1800 trees
Total	1,800	100%

4.3 Impact assessment

In determining which trees are to be removed, *Travers bushfire and ecology* recommend trees for removal in the following order:

- Remove trees within or in close proximity to development footprints (regardless of SULE rating) - 237/1800 trees = 13.17%
- Remove trees with an Unsafe or Dangerous SULE rating (some 3b and 3c, and all 4a-f) – 212/1800 trees – 11.78%,


- Remove trees that are invasive exotic species – $16/1800 = 0.89\%$
- Retain all other trees wherever possible – $1,335/1800 = 74.17\%$

Based on the above approach, the proposal, removal of unsafe or dangerous trees, and the removal of invasive exotic species results in the removal of 465 trees or 25.83% of the 1,800 trees estimated to occur within the subject site.

The Penrith City Council LEP (2010) Register of Significant Trees does not list any trees of conservation significance within the suburb of Wallacia or along Park Road. Trees may however be included into a tree significance register if the specimen displays cultural, historic, scientific and/or aesthetic value. No trees present on site are considered appropriate for nomination to the significant tree register.

For all trees that are to be retained, it is recommended that Tree Protection Zones (TPZ) are to be implemented for any retained tree in accordance with Australian Standard *AS4970* (section 5.1).

If 10% or less of the TPZ for any tree is impacted by development, then these trees shall have the TPZ expanded to 1.1 times the calculated TPZ as compensation. This fulfils the requirement for the compensatory expansion of the TPZ as required in *AS4970-2009-Amendment 1-2010*. These trees can therefore be retained in situ with no significant impact expected. No trees within the subject site are impacted in such a manner, therefore compensatory TPZs are not required.



Tree Protection Guidelines

5

The following sections provide guidance as to the expected TPZs required for trees to be retained within the development site (either in the staged or ultimate development scenario), or affected by associated works. TPZs consist of:

- (a) Tree protection zone (TPZ) which aims to protect the full extent of the tree, and
- (b) Structural root zone (SRZ) which aims to define the critical root zone (CRZ) for the tree without causing fatal damage to the tree.

These are generic guidelines and any tree specific advice and management is required to assess impacts on trees that are affecting more than 10% of the tree protection zone or have suspected structural damage.

5.1 Tree protection measures

To determine the SRZ, the following is applied in accordance with Australian Standard AS4970 – 2009 – Amendment 1-2010.

The tree protection zone (TPZ) radius is measured by the DBH x 12 (Australian Standard AS4970 – 2009). For instance, if a tree has a DBH of 50cm, the TPZ radius would be 6m and a tree of DBH 30cm would have a TPZ radius of 3.6m.

The structural root zone (SRZ) is the area which is required to maintain a tree's stability. The SRZ is measured as:

SRZ radius = $(BD \times 50)^{0.42} \times 0.64$ where BD is the basal trunk diameter, in m, measured above the root buttress. If BD is 50cm, then the SRZ would be 2.47m.

During the survey, DBH was measured for each tree to allow for TPZ to be calculated should the tree be retained as part of the future landscaping.

Table 2 – Estimated TPZ radius for trees

DBH (cm)	TPZ radius (m)
15	1.8
	2.0 metres is specified as the minimum within AS 4970
20	2.4
25	3
30	3.6
35	4.2
40	4.8
45	5.4
50	6
55	6.6

Table 2 – Estimated TPZ radius for trees

DBH (cm)	TPZ radius (m)
60	7.2
65	7.8
70	8.4
75	9
80	9.6
85	10.2
90	10.8
95	11.4
100	12
105	12.6
110	13.2
115	13.8
120	14.4
150	18
200	24
250	30

Table 3 – Estimated SRZ radius for trees

BD (cm)	SRZ radius (m)
15	1.49 2.0 metres is specified as the minimum within AS 4970
20	1.68 2.0 metres is specified as the minimum within AS 4970
25	1.85 2.0 metres is specified as the minimum within AS 4970
30	2
35	2.13
40	2.25
45	2.37
50	2.47
55	2.57
60	2.67
65	2.76
70	2.85
75	2.93
80	3.01
85	3.09
90	3.17
95	3.24
100	3.31
105	3.38
110	3.44
115	3.51
120	3.57
150	3.92
200	4.43
250	4.86
300	5.25

The SRZ and TPZ radii calculated for each of the trees assessed within the subject site are provided in Schedule 1.

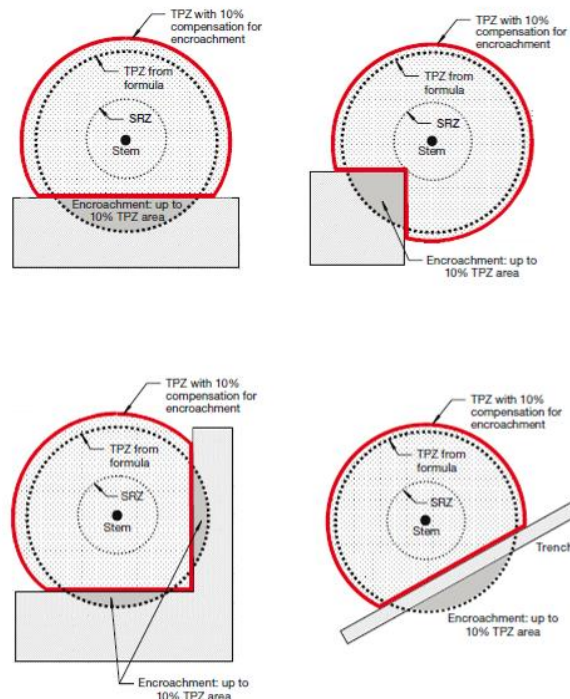
When working in close proximity of any tree to be retained or the nominated TPZ located within or adjacent to potential development areas, the following general management principles should be adopted:

- earthworks around subject trees are to be undertaken in the presence of a qualified ecologist / arborist who may provide additional on-site advice
- machine digging within the root mass of the subject tree (or trees) is to be minimised and, where possible, replaced by hand digging
- any exposed roots of the subject tree should be wrapped and protected during exposure and be replaced in a similar position prior to disturbance
- inspection of retained trees by a qualified person should be conducted post development completion for safety compliance.

Any retained tree on site will require protection both during and after development construction, applying the following tree protection guidelines:

The following guidelines are proposed in relation to any trees that may be retained within or adjacent to the proposed works area:

- Installation of a TPZ will be required surrounding any retained tree or group of trees. This TPZ can generally be provided by preserving an area equivalent to that shown in Schedule 1. A SRZ will apply to all retained trees in close proximity to work areas. No more than 10% of the TPZ should be impacted by earthworks with no infiltration into the SRZ. The TPZ is to be compensated elsewhere on the impacted tree to compensate for the loss of small areas of the TPZ. This is achieved by increasing the TPZ to an equivalent area to the area of impacted TPZ (Figure 4).

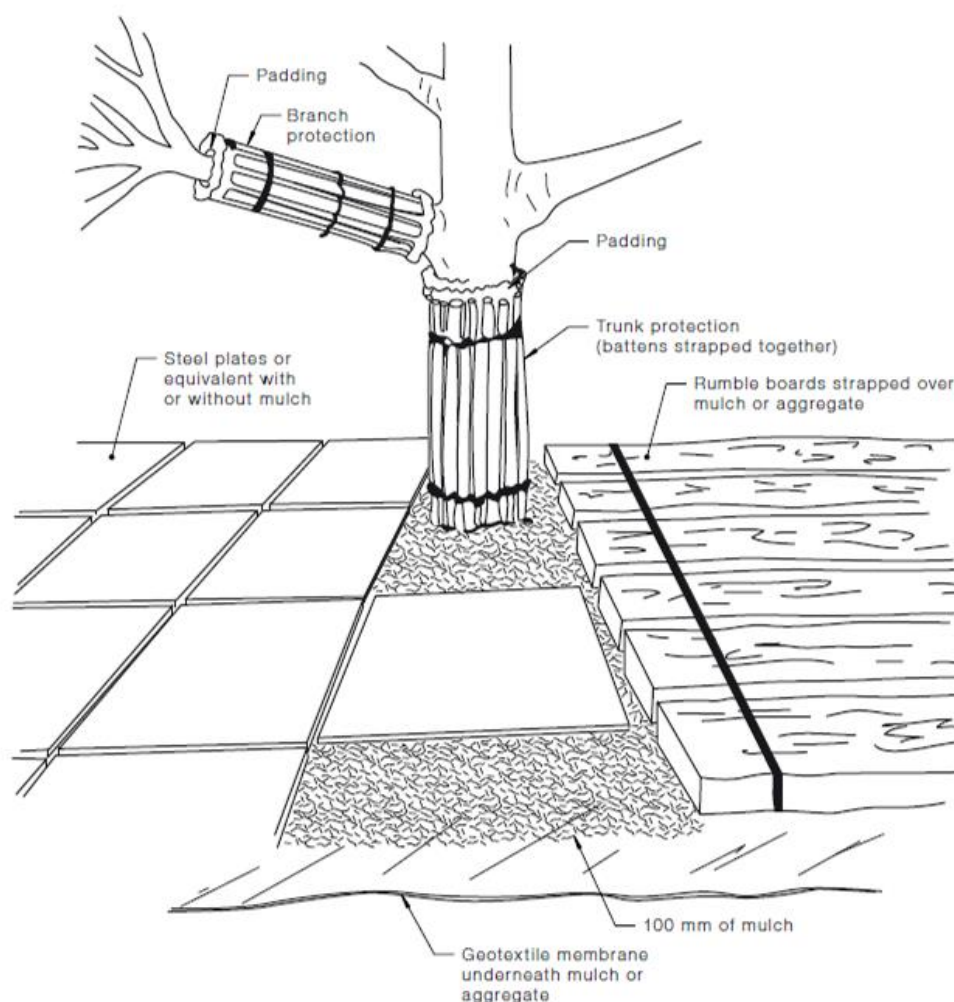


NOTE: Less than 10% TPZ area and outside SRZ. Any loss of TPZ compensated for elsewhere.

Figure 4 - Minor encroachment on TPZ and 10% compensation for encroachment
(Source AS 4970-2009)

- ii. Trees to be retained, and in close proximity to any works, are to be protected by temporary fencing. Such temporary fencing can be constructed from plastic mesh, post and wire or temporary chain link fence panels. All fence posts and supports are to be located clear of the roots and have sufficient strength to support the fence without bending or collapsing. TPZs in close proximity to proposed works are to be marked and sign-posted. The protection fencing is not to be removed or altered without the approval of an appointed arborist. TPZ fencing is to be inspected on a regular basis and maintained in good condition.
- iii. All trees nominated for removal are to be removed only after the temporary fencing of the trees to be retained has been completed and prior to any construction activity or bulk earthworks. Approved tree removal operations in the vicinity of retained trees are to be undertaken in a manner that avoids canopy or root damage and/or soil compaction to any TPZ associated with any retained tree. Such works should be supervised by a qualified arborist.
- iv. Stumps are to be ground not dozed or dug out unless they impact on the installation of services, roads or building works.
- v. All excavation including but not limited to trenches, footings and major earth movement are to be avoided within TPZ's.
- vi. Stockpiling materials and soils within TPZs is to be avoided.
- vii. All machinery and vehicles are to be excluded from TPZs during all operations.
- viii. Where the proposed works are likely to cause excessive dust generation, the Tree is to be protected with shade cloth on the tree protection fence to minimise dust collection on the leaves.
- ix. The following activities prohibited within the Native Bushland Reserve includes but are not limited to:
 - machine excavation (including trenching)
 - excavation for silt fencing
 - cultivation
 - Storage
 - preparation of chemicals, including cement products
 - parking of vehicles or plant
 - refuelling
 - dumping of waste
 - refuelling, wash down or cleaning of equipment
 - placement of fill
 - lighting of fires
 - soil level changes
 - temporary or permanent installation of signs
 - physical damage to trees.
- x. Any works undertaken within TPZs are to be supervised and certified (photographed and documented) by a qualified arborist.

- xi. Where advised by the arborist, trunk and branch protection (Figure 5) is to be installed to a minimum height of 2 m using materials and positioning as advised by an appointed arborist.
- xii. Where advised by the arborist, other temporary root protection measures (Figure 5) such as thick mulch (50-100mm deep) or crushed rock below rumble boards, are to be installed to prevent root damage and soil compaction within the TPZ.
- xiii. Scaffolding is to be erected outside of the TPZ, where unavoidable protection measures are to be specified by the appointed arborist.
- xiv. All services are to be routed outside of the TPZ. Where not possible the arborist will specify directional drilling (at least 600mm deep) or manual excavation to avoid impacted on the insitu roots subject to the works and potential root damage.
- xv. If pruning is required it is to be undertaken by an arborist in accordance with AS4373 to prevent structural damage, disease and poor form.



NOTES:

- 1 For trunk and branch protection use boards and padding that will prevent damage to bark. Boards are to be strapped to trees, not nailed or screwed.
- 2 Rumble boards should be of a suitable thickness to prevent soil compaction and root damage.

Figure 5 - Examples of trunk, branch and ground protection as per AS4970- 2009

5.2 Tree protection fencing

Temporary tree protection fencing should be erected before any machinery or materials are brought onto the site and before the commencement of works (including demolition and bulk earthworks). Once erected, protective fencing must not be removed or altered without approval by the project arborist. The TPZ is to be fully secured to restrict access onto the protected root zone.

AS-4687 specifies applicable fencing requirements. Construction fencing on the recommended alignment of the TPZ fencing for each tree or group of trees can be installed as part of the protective fencing.

For construction crews, signage identifying the TPZ shall be placed at 10 metre intervals along the TPZ fencing. These signs will face towards the development site and shall have lettering that complies with AS 1319. These signs will also specify the severe penalties for harming the Critically Endangered Ecological Community "*Cumberland Plain Woodland*" and "*River-flat Eucalypt Forest on Coastal Floodplains*" in any way.

TPZ fencing is to be inspected on a regular basis and maintained in good condition. Any works within the mapped tree protection zones is to be supervised (for excavation works) or under the direction of an AQ5 qualified arborist to limit damage to root zones and to install additional root, trunk and branch protection measures.



Conclusions & Recommendations

6

6.1 Conclusions

An assessment of all trees equal or greater than 10cm Diameter at Breast Height (DBH) that were located within or immediately adjacent to the proposed works footprint was undertaken. A total of 1,215 trees were assessed within or immediately adjacent to the proposed works footprint. The proposal results in the removal of 237 trees or 13.17% of the 1,800 trees estimated to occur within the subject site. A further 212 trees (11.78%) will be removed for safety or tree health reasons, and 16 trees (0.89%) will be removed as they are invasive weed species. Therefore, in total, the proposed works and the removal of unsafe, dangerous or invasive weed trees results in the removal of 465 trees or 25.83% of the 1,800 trees estimated to occur within the subject site.

It is noted that the SULE assessment identifies that seven hundred and eighty-two (782) of the 1,215 assessed trees (64.36%) had a SULE condition rating of 1 or 2. This indicates that the overall health of the trees onsite is moderate to good.

For any trees that are to be retained, it is recommended that Tree Protection Zones (TPZ) are to be implemented for any retained tree in accordance with Australian Standard AS4970 (section 5.1). These TPZs are provided in Schedule 1 – Tree Assessment Data Table and shown within the SULE Assessment and Retention / Removal Plans within Schedule 2.

6.2 Recommended tree protection strategies

To minimise impacts in local ecology and to maintain a stand of healthy trees within a broad scale development, the following recommendations apply:

- Aim to retain hollow bearing trees of good condition wherever possible throughout the landscape in order to retain fauna habitat
- Preferentially remove dangerous or poor condition trees and examine development layouts to maximise tree retention
- Consider the placement of services to avoid or minimise tree removal
- Where appropriate, create mini reserves of good quality trees for future public or private use
- Remove suppressed or otherwise poor condition trees to reduce fuel loads
- Actively replant locally occurring native (endemic) trees within the streetscape and any open space areas to maximise local amenity within the development, to consolidate any retained threatened ecological communities such as Cumberland Plain Woodland (CPW) or River-flat Eucalypt Forest (RFEF) within the locality and to provide suitable habitat for locally occurring native fauna
- Hollows are to be harvested from felled trees and re-used for restoration of habitat at the discretion of the project ecologist as per the VMP.

In the event that trees are retained under the ultimate development proposal, appropriate tree protection measures should be implemented including:

- i. In the event that trees can be retained it is considered that an AQ5 qualified arborist be engaged to manage any construction works within or immediately adjacent to the TPZ and to identify any other mitigation measures to maintain or improve their condition where the works proposed impact on more than 10% of the TPZ
- ii. Native vegetation such as Cumberland Plains Woodland (CPW) (which includes trees, shrubs and ground layer) is listed as a Critically Endangered Ecological Community (CEEC) within the NSW *TSC Act* (1995) and also within the Commonwealth *EPBC Act* (1999). Additionally, River-flat Eucalypt Forest (RFEF) which is listed as an Endangered Ecological Community (EEC) within the NSW *TSC Act* (1995) is also present. For these threatened ecological communities to be retained in close proximity to any works it is to be protected by temporary fencing that is to be erected prior to any bulk earthworks or construction phases. Such fencing can be constructed from plastic bunting, post and wire or temporary chain link fence panels.
- iii. TPZs in close proximity to proposed works should be adequately marked and sign-posted as a "No Go Zone". Signage identifying the TPZ shall be placed at 10 metre intervals along the TPZ fencing. These signs will face towards the development site and shall have lettering that complies with AS 1319. These signs will also specify the severe penalties for harming the Critically Endangered Ecological Community "*Cumberland Plain Woodland*" or the Endangered Ecological Community "*River-flat Eucalypt Forest*" in any way. TPZ fencing and signage should be inspected on a regular basis and maintained in good condition.
- iv. All trees nominated for removal are to be removed prior to any construction activity or bulk earthworks. Approved tree removal operations in the vicinity of retained trees are to be undertaken in a manner that avoids canopy or root damage and soil compaction to retained trees. Such works should be supervised by a qualified arborist.
- v. Stumps are to be ground, not dozed or dug out unless they impact on the installation of services, roads or building works.
- vi. All trenches footings and major earth movement are to avoid TPZs.
- vii. Stockpiling materials and soils within TPZs is forbidden.
- viii. Machinery and other vehicles are to avoid TPZs during all operations.
- ix. Any trenching or construction works unavoidably undertaken within TPZs should be witnessed, supervised and recorded (photographed and documented) by an AQ5 qualified arborist.

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Schedule 1

Tree Assessment Data Table

No 13 Park Road, Wallacia

Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T1	Red Robin	<i>Photinia</i> sp.	31	47	7	4	85	2a	3.70	2.41	Remove	Dev			Epicormic growth, competition
T2	Chinese Elm	<i>Ulmus parvifolius</i>	33	43	8	7	85	2a	3.96	2.32	Remove	Dev			competition
T3	A Cypress	<i>Cupressus</i> sp.	35	40	7	5	80	2a	4.24	2.25	Remove	Dev			suppressed below
T4	Weeping Bottlebrush	<i>Callistemon viminalis</i>	33	40	8	5	85	2a	3.96	2.25	Retain				competition
T5	White Cedar	<i>Melia azederach</i>	34	37	10	5	85	2a	4.08	2.18	Retain				competition
T6	A Bottlebrush	<i>Callistemon</i> sp. (cultivar)	30	35	8	5	85	2a	3.62	2.13	Retain				
T7	A Cypress	<i>Cupressus</i> sp.	48	45	12	5	75	3c	5.80	2.37	Remove	Health			suppressed below, competition
T8	Radiata Pine	<i>Pinus radiata</i>	57	110	12	9	80	1a	6.84	3.44	Remove	Earthwks			kink at base
T9	A Cypress	<i>Cupressus</i> sp.	34	40	7	3	85	3c	4.08	2.25	Remove	Dev			leaning canopy, suppressed
T10	A Cypress	<i>Cupressus</i> sp.	49	45	9	5	85	2a	5.92	2.37	Remove	Dev			
T11	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	35	35	9	6	85	2a	4.24	2.13	Remove	Dev			
T12	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	18	30	5	3	85	2a	2.11	2.00	Remove	Dev			
T13	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	21	25	5	3	85	2a	2.54	1.85	Remove	Dev			
T14	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	20	29	6	3	85	3a	2.40	1.97	Remove	Dev			competition
T15	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	21	25	6	3	86	2a	2.57	1.85	Remove	Dev			
T16	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	34	40	7	4	86	2a	4.07	2.25	Remove	Dev			
T17	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	26	35	7	5	85	2a	3.15	2.13	Remove	Dev			
T18	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	26	40	5	5	85	2a	3.14	2.25	Retain				
T19	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	26	35	5	5	85	3a	3.12	2.13	Retain				crowded, competition
T20	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	23	25	5	5	85	3c	2.78	1.85	Retain				competition
T21	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	21	25	4	3	80	3a	2.50	1.85	Retain				competition
T22	Photinia (cultivar)	<i>Photinia</i> sp. (cultivar)	23	28	4	3	80	3a	2.76	1.94	Retain				competition
T23	Broad-leaved Privet	<i>Ligustrum lucidum</i>	15	20	6	3	70	3c	2.00	1.68	Remove	Weed			competition, suppressed
T24	Broad-leaved Privet	<i>Ligustrum lucidum</i>	12	17	6	2	65	3c	2.00	1.57	Remove	Weed			competition, narrow canopy
T25	Broad-leaved Privet	<i>Ligustrum lucidum</i>	28	30	9	3	75	3c	3.39	2.00	Remove	Weed			competition
T26	Broad-leaved Privet	<i>Ligustrum lucidum</i>	29	38	9	4	80	3a	3.47	2.20	Remove	Weed			competition
T27	Broad-leaved Privet	<i>Ligustrum lucidum</i>	19	36	8	4	65	3c	2.31	2.15	Remove	Weed			crowded, competition
T28	Weeping Bottlebrush	<i>Callistemon viminalis</i>	58	85	13	9	75	3a	6.96	3.09	Retain				competition
T29	Broad-leaved Privet	<i>Ligustrum lucidum</i>	25	35	10	5	75	3a	3.00	2.13	Remove	Weed			competition
T30	Broad-leaved Privet	<i>Ligustrum lucidum</i>	41	55	11	5	60	3c	4.87	2.57	Remove	Weed			deadwood, competition
T31	A Bottlebrush	<i>Callistemon</i> sp. (cultivar)	40	50	9	7	80	3a	4.75	2.47	Retain				crowded
T32	Broad-leaved Privet	<i>Ligustrum lucidum</i>	39	38	12	4	60	3c	4.66	2.20	Remove	Weed			crowded
T33	Broad-leaved Privet	<i>Ligustrum lucidum</i>	29	45	10	3	65	3c	3.52	2.37	Remove	Weed			crowded
T34	Weeping Bottlebrush	<i>Callistemon viminalis</i>	37	80	8	6	85	2a	4.46	3.01	Retain				crowded, suppressed above
T35	White Cedar	<i>Melia azedarach</i>	39	70	12	5	45	4d	4.73	2.85	Remove	Health			crowded, broken trunk, suppressed
T36	Camphor Laurel	<i>Cinnamomum camphora</i>	32	40	13	6	65	3c	3.84	2.25	Remove	Weed			crowded, suppressed below
T37	A Bottlebrush	<i>Callistemon</i> sp. (cultivar)	37	85	9	5	80	2a	4.42	3.09	Retain				suppressed above
T38	Broad-leaved Privet	<i>Ligustrum lucidum</i>	21	35	7	3	70	3c	2.47	2.13	Remove	Weed			suppressed above, deadwood
T39	A Bottlebrush	<i>Callistemon</i> sp. (cultivar)	31	40	8	8	75	2a	3.73	2.25	Retain				crowded, suppressed above
T40	Weeping Bottlebrush	<i>Callistemon viminalis</i>	50	90	9	12	80	2a	6.05	3.17	Retain				competition
T41	Spotted Gum	<i>Corymbia maculata</i>	50	58	21	13	90	2a	6.00	2.63	Remove	Earthwks			
T42	Spotted Gum	<i>Corymbia maculata</i>	59	69	23	14	90	2a	7.08	2.83	Remove	Earthwks			
T43	Spotted Gum	<i>Corymbia maculata</i>	69	109	24	16	85	2c	8.28	3.43	Retain		V2		damaged cambium, deadwood
T44	Chinese Tallow	<i>Sapium sebiferum</i>	42	72	13	9	45	4a	5.04	2.88	Remove	Health			suppressed above, damaged cambium, deadwood
T45	Grey Gum	<i>Eucalyptus punctata</i>	58	70	24	16	80	3c	6.96	2.85	Remove	Earthwks			damage cambium, deadwood, borers

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T46	Radiata Pine	<i>Pinus radiata</i>	38	35	12	6	80	3c	4.53	2.13	Retain				suppressed above, deadwood
T47	Grey Gum	<i>Eucalyptus punctata</i>	58	55	22	10	80	2a	6.96	2.57	Retain				borers at base, deadwood, damage cambium
T48	Grey Gum	<i>Eucalyptus punctata</i>	50	60	22	10	70	3c	6.00	2.67	Retain				damage cambium, broken branch, deadwood
T49	Grey Gum	<i>Eucalyptus punctata</i>	26	28	18	5	85	2a	3.12	1.94	Retain				new canopy, crowded, deadwood
T50	Radiata Pine	<i>Pinus radiata</i>	75	90	18	12	80	2a	9.00	3.17	Retain				suppressed, damage cambium, kino
T51	Tallowwood	<i>Eucalyptus microcorys</i>	53	58	20	12	90	1a	6.36	2.63	Retain				
T52	Grey Gum	<i>Eucalyptus punctata</i>	56	60	23	14	90	2a	6.72	2.67	Retain				broken branches
T53	Radiata Pine	<i>Pinus radiata</i>	70	90	23	9	85	2a	8.40	3.17	Retain				deadwood, kino
T54	Forest Red Gum	<i>Eucalyptus tereticornis</i>	66	60	21	11	90	2a	7.92	2.67	Retain				deadwood, damage cambium
T55	Swamp Mahogany	<i>Eucalyptus robusta</i>	34	40	19	9	75	3c	4.08	2.25	Retain				bracket fungi, deadwood, suppressed
T56	Forest Red Gum	<i>Eucalyptus tereticornis</i>	43	40	22	10	85	2a	5.19	2.25	Retain				borers at base
T57	Radiata Pine	<i>Pinus radiata</i>	55	75	16	10	85	2a	6.60	2.93	Retain				suppressed above, kino
T58	Forest Red Gum	<i>Eucalyptus tereticornis</i>	60	60	22	9	90	2a	7.20	2.67	Retain				crowded
T59	Forest Red Gum	<i>Eucalyptus tereticornis</i>	33	37	23	8	85	2d	3.96	2.18	Retain				deadwood, borers
T60	Cabbage Gum	<i>Eucalyptus amplifolia</i>	44	40	18	6	90	2a	5.34	2.25	Remove	Golf Cse			
T61	Swamp Mahogany	<i>Eucalyptus robusta</i>	57	62	24	10	90	2a	6.84	2.71	Retain				deadwood
T62	Forest Red Gum	<i>Eucalyptus tereticornis</i>	29	33	19	6	70	3c	3.48	2.08	Retain				suppressed above, lots small deadwood, kino
T63	a Mahogany	<i>Eucalyptus</i> sp. (non-endemic)	51	50	20	10	85	2a	6.07	2.47	Retain				deadwood, broken branches, crowded
T64	Grey Gum	<i>Eucalyptus punctata</i>	76	65	25	14	90	2a	9.12	2.76	Retain		V3		broken branch, deadwood
T65	Swamp Mahogany	<i>Eucalyptus robusta</i>	37	38	20	7	70	3c	4.41	2.20	Retain				suppressed above, lots small deadwood,
T66	Cabbage Gum	<i>Eucalyptus amplifolia</i>	43	45	18	6	85	2a	5.16	2.37	Remove	Golf Cse			lots small deadwood
T67	Grey Gum	<i>Eucalyptus punctata</i>	30	38	18	9	90	2a	3.60	2.20	Remove	Golf Cse			
T68	Cabbage Gum	<i>Eucalyptus amplifolia</i>	33	40	17	5	70	3c	4.02	2.25	Remove	Golf Cse			small deadwood
T69	Grey Gum	<i>Eucalyptus punctata</i>	68	80	23	12	85	2a	8.16	3.01	Retain				burls, dehydrated bark, small deadwood
T70	Radiata Pine	<i>Pinus radiata</i>	60	65	24	11	85	2a	7.20	2.76	Retain				suppressed below, lots small deadwood
T71	Silky Oak	<i>Grevillea robusta</i>	46	60	23	7	80	2c	5.52	2.67	Retain				suppressed below, lots small deadwood, competition
T72	Large-leaved Privet	<i>Ligustrum lucidum</i>	26	30	9	4	50	3a	3.13	2.00	Retain				suppressed above
T73	Slash Pine	<i>Pinus elliotii</i>	25	28	14	5	70	3c	3.00	1.94	Retain				suppressed above & below, lots small deadwood
T74	Silky Oak	<i>Grevillea robusta</i>	40	55	17	7	75	3c	4.80	2.57	Retain				crowded, deadwood
T75	Large-leaved Privet	<i>Ligustrum lucidum</i>	12	19	7	3	45	4a	2.00	1.65	Remove	Health			suppressed
T76	Large-leaved Privet	<i>Ligustrum lucidum</i>	23	28	5	5	55	4a	2.82	1.94	Remove	Health			suppressed, deadwood
T77	Silky Oak	<i>Grevillea robusta</i>	31	41	17	10	80	2a	3.72	2.28	Retain				crowded, competition
T78	Radiata Pine	<i>Pinus radiata</i>	46	60	22	10	85	2a	5.52	2.67	Retain				
T79	Radiata Pine	<i>Pinus radiata</i>	40	50	21	8	65	3c	4.80	2.47	Retain				competition, lots deadwood
T80	Black Wattle	<i>Acacia decurrens</i>	26	30	20	8	40	4d	3.12	2.00	Remove	Health			lots small deadwood, kino, borers, leaning canopy
T81	Black Wattle	<i>Acacia decurrens</i>	19	22	19	4	20	4a	2.28	1.75	Remove	Health			damage cambium, lots small deadwood, reduced canopy, kino
T82	White Cedar	<i>Melia azedarach</i>	25	30	16	5	60	3a	3.00	2.00	Retain				crowded, suppressed
T83	Silky Oak	<i>Grevillea robusta</i>	48	54	21	11	70	3c	5.76	2.55	Retain				broken branches, kino, deadwood
T84	Silky Oak	<i>Grevillea robusta</i>	19	23	11	4	60	3c	2.28	1.79	Retain				suppressed above, lots small deadwood
T85	Grey Gum	<i>Eucalyptus punctata</i>	42	45	23	10	75	2d	5.04	2.37	Retain				competition, large broken branch,
T86	Silky Oak	<i>Grevillea robusta</i>	19	24	16	5	50	3c	2.28	1.82	Retain				crowded, suppressed above
T87	Weeping Bottlebrush	<i>Callistemon viminalis</i>	49	43	9	6	90	2a	5.88	2.32	Remove	Earthwks			small deadwood
T88	Weeping Bottlebrush	<i>Callistemon viminalis</i>	26	43	8	5	90	2a	3.17	2.32	Remove	Earthwks			small deadwood
T89	Weeping Bottlebrush	<i>Callistemon viminalis</i>	24	32	6	4	85	2a	2.88	2.05	Remove	Earthwks			small deadwood, broken branch
T90	Weeping Bottlebrush	<i>Callistemon viminalis</i>	23	26	6	4	80	2a	2.72	1.88	Remove	Earthwks			

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T91	Monterey Cypress	<i>Cupressus macrocarpa</i>	40	48	9	5	90	2a	4.80	2.43	Remove	Dev			small deadwood
T92	Weeping Bottlebrush	<i>Callistemon viminalis</i>	30	38	5	3	70	3a	3.58	2.20	Remove	Earthwks			dying trunk spout, deadwood
T93	Broad-leaved paperbark	<i>Melaleuca quinquenervia</i>	70	75	16	5	90	2a	8.40	2.93	Retain				
T94	a Paperbark	<i>Melaleuca</i> sp.	57	55	13	6	90	2a	6.83	2.57	Retain				broken small branch
T95	Broad-leaved paperbark	<i>Melaleuca quinquenervia</i>	94	105	20	10	90	2a	11.28	3.38	Retain				
T96	a Paperbark	<i>Melaleuca</i> sp.	48	45	11	5	85	2a	5.75	2.37	Retain				
T97	Dead Stag	Dead Stag	110	120	12	0	0	4a	13.20	3.57	Remove	Health			
T98	Dead Stag	Dead Stag	115	130	16	10	0	4a	13.80	3.69	Remove	Dev			
T99	Dead Stag	Dead Stag	23	30	8	3	0	4a	2.81	2.00	Remove	Health			
T100	Silky Oak	<i>Grevillea robusta</i>	13	15	6	2	70	3c	2.00	1.49	Remove	Dev			crowded
T101	Sydney Green Wattle	<i>Acacia parramattensis</i>	15	17	6	5	30	4a	2.00	1.57	Remove	Health			leaning canopy, lots small deadwood, competition
T102	Sydney Green Wattle	<i>Acacia parramattensis</i>	25	35	9	4	50	3c	3.00	2.13	Retain				crowded, lots small deadwood, reduced canopy
T103	Sydney Green Wattle	<i>Acacia parramattensis</i>	14	17	8	3	70	3a	2.00	1.57	Retain				crowded, deadwood
T104	Dead Stag	Dead Stag	14	15	4	0	0	4a	2.00	1.49	Remove	Health			
T105	Sydney Green Wattle	<i>Acacia parramattensis</i>	26	40	5	5	30	4a	3.10	2.25	Remove	Health			dead limbs and trunk, kino
T106	Sydney Green Wattle	<i>Acacia parramattensis</i>	16	15	6	3	50	3c	2.00	1.49	Retain				kino, small deadwood, crowded
T107	Sydney Green Wattle	<i>Acacia parramattensis</i>	15	15	7	4	60	3a	2.00	1.49	Remove	Golf Cse			kino, crowded, lots small deadwood
T108	Sydney Green Wattle	<i>Acacia parramattensis</i>	15	0	8	4	60	3a	2.00	0.00	Remove	Golf Cse			crowded, lots small deadwood
T109	Sydney Green Wattle	<i>Acacia parramattensis</i>	21	22	9	4	70	3a	2.52	1.75	Retain				crowded
T110	Swamp Oak	<i>Casuarina glauca</i>	22	25	20	5	80	2c	2.64	1.85	Retain				crowded, kink in trunk
T111	Swamp Oak	<i>Casuarina glauca</i>	17	25	20	5	85	2a	2.04	1.85	Retain				crowded
T112	Swamp Oak	<i>Casuarina glauca</i>	16	20	16	4	65	3c	2.00	1.68	Retain				competition, suppressed above
T113	Swamp Oak	<i>Casuarina glauca</i>	28	33	21	6	85	2a	3.36	2.08	Retain				weedy understorey
T114	Swamp Oak	<i>Casuarina glauca</i>	23	30	20	5	85	2a	2.76	2.00	Retain				small deadwood
T115	Grey Gum	<i>Eucalyptus punctata</i>	20	35	17	4	80	2a	2.40	2.13	Retain				small deadwood
T116	Dead Stag	Dead Stag	21	30	14	5	0	4a	2.53	2.00	Remove	Health			
T117	Rough-barked Apple	<i>Angophora floribunda</i>	18	20	15	5	90	2a	2.16	1.68	Retain				crowded
T118	Rough-barked Apple	<i>Angophora floribunda</i>	15	16	14	4	85	2a	2.00	1.53	Retain				crowded
T119	Swamp Oak	<i>Casuarina glauca</i>	43	50	23	6	85	2a	5.16	2.47	Retain				small deadwood, crowded
T120	Swamp Oak	<i>Casuarina glauca</i>	26	33	22	4	85	2a	3.12	2.08	Retain				suppressed above, crowded
T121	Forest Red Gum	<i>Eucalyptus tereticornis</i>	117	137	24	11	85	2a	14.04	3.78	Retain				small to medium deadwood
T122	Forest Red Gum	<i>Eucalyptus tereticornis</i>	98	105	25	15	90	2a	11.76	3.38	Retain		V2		crowded
T123	Swamp Oak	<i>Casuarina glauca</i>	26	35	17	4	85	2a	3.12	2.13	Retain				suppressed above, small deadwood
T124	Sydney Green Wattle	<i>Acacia parramattensis</i>	15	16	6	4	65	3b	2.00	1.53	Remove	Health			leaning canopy, kino, lots small deadwood
T125	Sydney Green Wattle	<i>Acacia parramattensis</i>	16	16	6	5	50	3b	2.00	1.53	Remove	Health			large broken branch, leaning canopy, kino, deadwood
T126	Swamp Oak	<i>Casuarina glauca</i>	12	16	11	8	60	3b	2.00	1.53	Remove	Health			heavily leaning canopy, small deadwood
T127	Forest Red Gum	<i>Eucalyptus tereticornis</i>	27	30	16	5	90	2a	3.24	2.00	Retain				crowded, small deadwood
T128	Swamp Oak	<i>Casuarina glauca</i>	16	18	14	3	85	2a	2.00	1.61	Retain				small deadwood, suppressed above
T129	Dead Stag	Dead Stag	16	16	5	4	0	4a	2.00	1.53	Remove	Health			
T130	Grey Gum	<i>Eucalyptus punctata</i>	13	14	13	3	80	2a	2.00	1.45	Retain				suppressed above
T131	Camphor Laurel	<i>Cinnamomum camphora</i>	53	100	23	8	80	3c	6.41	3.31	Remove	Weed			suppressed above, competition
T132	Silky Oak	<i>Grevillea robusta</i>	16	23	6	4	25	4a	2.00	1.79	Remove	Health			lots small deadwood, suppressed above, medium dead branches
T133	Forest Red Gum	<i>Eucalyptus tereticornis</i>	180	230	32	25	90	1c	21.60	4.70	Retain		V1	Cat-1	deadwood,
T134	Swamp Oak	<i>Casuarina glauca</i>	29	35	24	6	90	2a	3.48	2.13	Retain				crowded, weedy understorey
T135	Swamp Oak	<i>Casuarina glauca</i>	45	55	23	7	90	2a	5.40	2.57	Retain				

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T136	Swamp Oak	<i>Casuarina glauca</i>	21	23	22	6	90	2a	2.52	1.79	Retain				
T137	Camphor Laurel	<i>Cinnamomum camphora</i>	67	90	24	11	85	2c	8.07	3.17	Remove	Weed			lots small deadwood, crowded
T138	Rough-barked Apple	<i>Angophora floribunda</i>	12	13	11	3	80	2d	2.00	1.40	Retain				competition, small deadwood
T139	Rough-barked Apple	<i>Angophora floribunda</i>	14	16	14	2	80	2a	2.00	1.53	Retain				crowded
T140	Rough-barked Apple	<i>Angophora floribunda</i>	11	13	12	2	80	2d	2.00	1.40	Retain				weedy understorey, crowded
T141	White Sally	<i>Acacia floribunda</i>	14	18	4	3	60	3a	2.00	1.61	Remove	Golf Cse			competition, leaning canopy, damage cambium
T142	Swamp Oak	<i>Casuarina glauca</i>	11	18	6	2	75	3c	2.00	1.61	Remove	Golf Cse			suppressed above
T143	Canary Island Date Palm	<i>Phoenix canariensis</i>	120	90	5	4	90	3a	14.40	3.17	Remove	Golf Cse			
T144	Swamp Oak	<i>Casuarina glauca</i>	28	46	19	6	75	2c	3.36	2.39	Remove	Golf Cse			suppressed above, leaning canopy
T145	Swamp Oak	<i>Casuarina glauca</i>	40	70	17	13	70	3b	4.75	2.85	Remove	Health			lots small deadwood, heavily leaning canopy, damage cambium
T146	Forest Red Gum	<i>Eucalyptus tereticornis</i>	100	115	30	20	85	3c	12.00	3.51	Remove	Golf Cse	V1		bracket fungi on main trunk, small-medium deadwood
T147	River Oak	<i>Casuarina cunninghamiana</i>	27	44	11	6	65	3c	3.24	2.34	Remove	Golf Cse			suppressed above, leaning canopy, deadwood
T148	Sydney Green Wattle	<i>Acacia parramattensis</i>	18	22	4	6	55	3b	2.16	1.75	Remove	Health			heavily leaning canopy, deadwood
T149	Swamp Oak	<i>Casuarina glauca</i>	24	27	20	4	80	2c	2.88	1.91	Remove	Golf Cse			small-medium deadwood, suppressed above
T150	Forest Red Gum	<i>Eucalyptus tereticornis</i>	90	110	30	12	85	2a	10.85	3.44	Remove	Golf Cse			small-medium deadwood
T151	Forest Red Gum	<i>Eucalyptus tereticornis</i>	35	40	22	0	10	3c	4.20	2.25	Remove	Health			leaning canopy, suppressed above
T152	Swamp Oak	<i>Casuarina glauca</i>	24	25	16	4	85	2a	2.86	1.85	Retain				
T153	Swamp Oak	<i>Casuarina glauca</i>	62	85	23	6	75	4d	7.40	3.09	Remove	Health			broken trunk, bracket fungi, deadwood, leaning canopy
T154	Swamp Oak	<i>Casuarina glauca</i>	31	50	18	7	70	4d	3.74	2.47	Remove	Health			heavily leaning canopy, bracket fungi, damage cambium
T155	Swamp Oak	<i>Casuarina glauca</i>	24	34	22	6	80	2a	2.88	2.10	Retain				leaning canopy
T156	Dead Stag	Dead Stag	47	77	5	10	0	4a	5.64	2.97	Remove	Health			
T157	Swamp Oak	<i>Casuarina glauca</i>	17	15	7	2	45	4a	2.04	1.49	Remove	Health			suppressed above, broken trunk
T158	Swamp Oak	<i>Casuarina glauca</i>	24	32	19	5	80	2a	2.89	2.05	Retain				crowded
T159	Swamp Oak	<i>Casuarina glauca</i>	14	18	15	3	70	4c	2.00	1.61	Remove	Health			damage cambium, bracket fungi
T160	Swamp Oak	<i>Casuarina glauca</i>	17	24	20	4	85	2a	2.04	1.82	Retain				crowded
T161	Swamp Oak	<i>Casuarina glauca</i>	22	26	18	4	90	2a	2.64	1.88	Retain				crowded
T162	Swamp Oak	<i>Casuarina glauca</i>	35	42	23	6	75	3c	4.20	2.30	Retain				lots small deadwood, competition
T163	Rough-barked Apple	<i>Angophora floribunda</i>	26	23	15	5	80	2c	3.14	1.79	Retain				suppressed above, leaning canopy
T164	River Oak	<i>Casuarina cunninghamiana</i>	14	21	20	4	85	2a	2.00	1.72	Retain				crowded
T165	Rough-barked Apple	<i>Angophora floribunda</i>	25	30	14	5	60	3b	3.00	2.00	Remove	Health			damage cambium @ base, small deadwood, suppressed above
T166	Rough-barked Apple	<i>Angophora floribunda</i>	20	23	13	5	75	2c	2.40	1.79	Retain				suppressed above, small deadwood
T167	River Oak	<i>Casuarina cunninghamiana</i>	20	25	20	5	90	2a	2.40	1.85	Retain				crowded
T168	Forest Red Gum	<i>Eucalyptus tereticornis</i>	33	35	12	6	80	2a	3.96	2.13	Retain				small deadwood
T169	Tallowwood	<i>Eucalyptus microcorys</i>	91	99	24	10	90	2a	10.92	3.30	Retain				small deadwood
T170	Tallowwood	<i>Eucalyptus microcorys</i>	93	100	26	11	90	2a	11.16	3.31	Retain				small deadwood
T171	Radiata Pine	<i>Pinus radiata</i>	93	98	23	13	85	2c	11.16	3.28	Retain		V2		small-large deadwood
T172	Silver Birch	<i>Betula pendula</i>	71	100	20	15	80	2a	8.52	3.31	Retain		V2		
T173	Jacaranda	<i>Jacaranda mimosifolia</i>	25	29	6	6	85	2a	3.00	1.97	Remove	Earthwks			
T174	Chinese Tallow	<i>Sapium sebiferum</i>	35	56	13	8	80	3b	4.15	2.59	Remove	Health			exposed wood at 0 and 1m, borers
T175	Radiata Pine	<i>Pinus radiata</i>	68	78	13	10	80	2a	8.16	2.98	Remove	Earthwks			
T176	Dead Stag	Dead Stag	85	105	16	9	0	4a	10.20	3.38	Remove	Health			
T177	a Bottlebrush	<i>Callistemon</i> sp.	20	27	4	3	60	3b	2.36	1.91	Remove	Health			exposed wood 0-0.3m
T178	Radiata Pine	<i>Pinus radiata</i>	47	63	23	9	80	2a	5.64	2.73	Retain				
T179	River Oak	<i>Casuarina cunninghamiana</i>	52	62	24	8	85	2a	6.24	2.71	Retain				
T180	River Oak	<i>Casuarina cunninghamiana</i>	42	52	23	7	80	3a	5.04	2.51	Retain				in creek bank, leaning 15 degrees

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T181	White Sally	<i>Acacia floribunda</i>	16	31	4	5	35	4c	2.00	2.02	Remove	Health			borers in most trunks
T182	Exotic planted tree 1	-	83	105	24	14	85	2a	9.96	3.38	Remove	Earthwks	V3		
T183	Small-leaved Privet	<i>Ligustrum sinense</i>	13	18	8	6	80	2a	2.00	1.61	Remove	Weed			
T184	River Oak	<i>Casuarina cunninghamiana</i>	130	130	24	12	65	3b	15.60	3.69	Remove	Health			cavities at 1 to 2m, borers, leaning 15 degrees
T185	River Oak	<i>Casuarina cunninghamiana</i>	52	72	24	11	80	2a	6.24	2.88	Retain				
T186	River Oak	<i>Casuarina cunninghamiana</i>	21	26	16	5	90	2a	2.52	1.88	Retain				
T187	River Oak	<i>Casuarina cunninghamiana</i>	16	22	16	5	60	3c	2.00	1.75	Retain				crowded, suppressed, bark damage & exposed wood at 1.8m
T188	River Oak	<i>Casuarina cunninghamiana</i>	11	16	14	4	80	2a	2.00	1.53	Retain				
T189	River Oak	<i>Casuarina cunninghamiana</i>	16	18	16	5	70	3c	2.00	1.61	Retain				crowded, suppressed, canopy off centre
T190	River Oak	<i>Casuarina cunninghamiana</i>	21	27	20	7	85	2a	2.52	1.91	Retain				
T191	River Oak	<i>Casuarina cunninghamiana</i>	24	32	20	7	75	3c	2.88	2.05	Retain				in creek bank, leaning
T192	Exotic planted tree 2	-	87	107	25	20	85	2a	10.44	3.40	Retain		V1		
T193	Exotic planted tree 2	-	63	83	24	18	80	2a	7.56	3.06	Remove	Golf Cse	V2		
T194	River Oak	<i>Casuarina cunninghamiana</i>	34	38	17	7	90	2a	4.08	2.20	Retain				
T195	River Oak	<i>Casuarina cunninghamiana</i>	32	40	22	8	85	2a	3.85	2.25	Retain				
T196	River Oak	<i>Casuarina cunninghamiana</i>	20	26	22	7	80	2a	2.40	1.88	Retain				
T197	River Oak	<i>Casuarina cunninghamiana</i>	18	22	10	8	50	3b	2.16	1.75	Remove	Health			crowded, suppressed, canopy off centre
T198	River Oak	<i>Casuarina cunninghamiana</i>	29	28	21	6	80	2a	3.50	1.94	Retain				
T199	Box Elder	<i>Acer negundo</i>	12	15	6	4	90	2a	2.00	1.49	Retain				
T200	River Oak	<i>Casuarina cunninghamiana</i>	17	21	17	4	85	2a	2.04	1.72	Retain				slightly crowded
T201	River Oak	<i>Casuarina cunninghamiana</i>	23	29	21	4	80	2a	2.76	1.97	Retain				crowded
T202	River Oak	<i>Casuarina cunninghamiana</i>	27	33	20	5	85	2a	3.24	2.08	Retain				
T203	River Oak	<i>Casuarina cunninghamiana</i>	11	14	12	3	90	2a	2.00	1.45	Retain				
T204	River Oak	<i>Casuarina cunninghamiana</i>	11	14	8	3	70	3c	2.00	1.45	Retain				crowded, suppressed
T205	River Oak	<i>Casuarina cunninghamiana</i>	43	52	24	7	90	2a	5.16	2.51	Retain				
T206	River Oak	<i>Casuarina cunninghamiana</i>	25	33	20	7	75	3c	2.98	2.08	Remove	Health			crowded, suppressed
T207	River Oak	<i>Casuarina cunninghamiana</i>	18	22	17	6	60	3c	2.16	1.75	Remove	Health			crowded, suppressed, leaning 15deg
T208	River Oak	<i>Casuarina cunninghamiana</i>	56	65	24	9	60	4c	6.72	2.76	Remove	Health			cavity at base, exposed wood, borers in trunk
T209	River Oak	<i>Casuarina cunninghamiana</i>	38	39	24	7	65	4c	4.57	2.23	Remove	Health			cavity at base, exposed wood, leaning 10 degrees
T210	River Oak	<i>Casuarina cunninghamiana</i>	14	21	10	3	80	2a	2.00	1.72	Retain				
T211	River Oak	<i>Casuarina cunninghamiana</i>	18	23	9	3	75	3c	2.16	1.79	Remove	Health			crowded, suppressed
T212	Weeping Willow	<i>Salix babylonica</i>	54	64	7	7	85	3a	6.48	2.74	Remove	Weed			
T213	River Oak	<i>Casuarina cunninghamiana</i>	32	36	24	8	90	2a	3.84	2.15	Retain				
T214	River Oak	<i>Casuarina cunninghamiana</i>	68	86	24	15	80	2a	8.15	3.11	Retain		V2		
T215	River Oak	<i>Casuarina cunninghamiana</i>	24	31	20	4	70	4c	2.88	2.02	Remove	Health			exposed wood 1.5-2m, leaning on adjacent tree, poor form
T216	River Oak	<i>Casuarina cunninghamiana</i>	25	31	19	4	80	2a	3.00	2.02	Retain				
T217	River Oak	<i>Casuarina cunninghamiana</i>	31	32	23	4	70	3c	3.73	2.05	Retain				crowded, suppressed, canopy off centre
T218	River Oak	<i>Casuarina cunninghamiana</i>	45	51	24	8	90	2a	5.40	2.49	Retain				
T219	River Oak	<i>Casuarina cunninghamiana</i>	39	44	22	7	85	2a	4.68	2.34	Retain				
T220	River Oak	<i>Casuarina cunninghamiana</i>	84	75	24	14	70	3b	10.11	2.93	Remove	Health	V3		overmature, poor form, large deadwood
T221	River Oak	<i>Casuarina cunninghamiana</i>	18	23	17	5	90	2a	2.16	1.79	Retain				
T222	River Oak	<i>Casuarina cunninghamiana</i>	25	28	18	6	80	3b	3.05	1.94	Retain				cavity & exposed wood at 0.5m
T223	River Oak	<i>Casuarina cunninghamiana</i>	35	34	19	5	70	3a	4.21	2.10	Retain				poor form
T224	River Oak	<i>Casuarina cunninghamiana</i>	19	23	18	5	90	2a	2.28	1.79	Retain				
T225	River Oak	<i>Casuarina cunninghamiana</i>	30	33	19	7	80	2a	3.60	2.08	Retain				

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T226	River Oak	<i>Casuarina cunninghamiana</i>	19	24	20	4	70	3c	2.28	1.82	Retain				crowded, suppressed
T227	River Oak	<i>Casuarina cunninghamiana</i>	46	53	20	7	80	2a	5.52	2.53	Retain				
T228	River Oak	<i>Casuarina cunninghamiana</i>	25	36	16	5	65	3b	3.06	2.15	Retain				cavity at 1m, exposed wood, fungal attack
T229	Silver Birch	<i>Betula pendula</i>	31	38	21	7	85	2a	3.72	2.20	Retain				leaning 15 degrees
T230	Silver Birch	<i>Betula pendula</i>	44	64	20	9	60	3b	5.28	2.74	Remove	Health			cavity at base, exposed wood, termites
T231	Silver Birch	<i>Betula pendula</i>	21	26	18	8	50	3b	2.52	1.88	Remove	Health			poor form, leaning 15 degrees, canopy off centre
T232	River Oak	<i>Casuarina cunninghamiana</i>	18	23	17	4	90	2a	2.16	1.79	Retain				
T233	Silver Birch	<i>Betula pendula</i>	41	45	12	8	60	3b	4.92	2.37	Remove	Health			leaning 45 degrees, epicormic growth
T234	Silver Birch	<i>Betula pendula</i>	22	28	19	6	75	3b	2.64	1.94	Remove	Health			leaning 15 degrees
T235	Silver Birch	<i>Betula pendula</i>	36	37	20	7	80	3a	4.33	2.18	Retain				
T236	Silver Birch	<i>Betula pendula</i>	22	25	20	6	60	3b	2.64	1.85	Remove	Health			leaning 15 degrees, canopy off centre
T237	Silver Birch	<i>Betula pendula</i>	37	46	21	8	70	3b	4.44	2.39	Remove	Health			leaning 15 degrees, stressed at trunk join at 0.5m
T238	River Oak	<i>Casuarina cunninghamiana</i>	72	75	22	13	50	3b	8.64	2.93	Remove	Health	V3		1x trunk 10% health, exposed wood, fungal attack
T239	River Oak	<i>Casuarina cunninghamiana</i>	26	30	22	4	80	2a	3.12	2.00	Retain				
T240	River Oak	<i>Casuarina cunninghamiana</i>	33	37	23	7	80	2a	3.96	2.18	Retain				
T241	River Oak	<i>Casuarina cunninghamiana</i>	30	34	23	6	80	2a	3.60	2.10	Retain				
T242	River Oak	<i>Casuarina cunninghamiana</i>	19	25	20	4	70	2a	2.28	1.85	Retain				crowded
T243	River Oak	<i>Casuarina cunninghamiana</i>	18	24	19	4	80	2a	2.20	1.82	Retain				crowded
T244	River Oak	<i>Casuarina cunninghamiana</i>	28	38	22	6	80	2a	3.33	2.20	Retain				crowded
T245	Tree Tag Number Not Used										Retain				
T246	Cabbage Gum	<i>Eucalyptus amplifolia</i>	53	73	22	14	80	2a	6.36	2.90	Remove	Dev			bark damage 0-2m
T247	Cabbage Gum	<i>Eucalyptus amplifolia</i>	94	124	25	17	85	2a	11.28	3.62	Remove	Dev	V2		Recently dropped major branches
T248	Forest Red Gum	<i>Eucalyptus tereticornis</i>	55	62	15	8	30	4a	6.66	2.71	Remove	Dev			bark separation, only 15% of canopy left, exposed wood
T249	Rough-barked Apple	<i>Angophora floribunda</i>	61	80	15	9	55	4c	7.34	3.01	Remove	Dev			bark damage, exposed wood, borers in trunk
T250	Forest Red Gum	<i>Eucalyptus tereticornis</i>	20	24	6	4	90	2a	2.40	1.82	Remove	Dev			
T251	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	25	32	12	5	90	2a	2.97	2.05	Remove	Dev			
T252	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	16	19	9	4	90	2a	2.00	1.65	Remove	Dev			
T253	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	15	22	8	3	85	2a	2.00	1.75	Remove	Dev			
T254	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	14	19	7	3	90	2a	2.00	1.65	Remove	Dev			
T255	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	22	27	9	5	85	2a	2.63	1.91	Remove	Dev			
T256	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	17	26	10	5	90	2a	2.04	1.88	Remove	Dev			
T257	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	19	29	12	5	85	2a	2.31	1.97	Remove	Dev			lopped trunk at 1m, exposed wood
T258	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	16	22	11	4	90	2a	2.00	1.75	Remove	Dev			
T259	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	22	32	8	5	70	3c	2.68	2.05	Remove	Dev			poor form, multiple trunks at 0.2m
T260	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	15	20	9	4	90	2a	2.00	1.68	Remove	Health			
T261	Forest Red Gum	<i>Eucalyptus tereticornis</i>	12	18	5	3	70	3b	2.00	1.61	Remove	Dev			poor form at 0m, twisted trunk, exposed roots
T262	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	17	25	8	4	85	2a	2.04	1.85	Remove	Dev			2x trunks at 0.3m
T263	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	23	31	9	4	80	3a	2.72	2.02	Remove	Dev			bark damage at base, healing ok
T264	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	14	19	6	4	90	2a	2.00	1.65	Remove	Dev			
T265	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	13	23	6	4	90	2a	2.00	1.79	Remove	Dev			
T266	Rough-barked Apple	<i>Angophora floribunda</i>	15	21	5	4	90	2a	2.00	1.72	Remove	Dev			
T267	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	11	14	5	3	80	2a	2.00	1.45	Retain				small deadwood, water stressed
T268	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	11	17	4	3	80	2a	2.00	1.57	Remove	Dev			
T269	Forest Red Gum	<i>Eucalyptus tereticornis</i>	23	30	9	5	65	4c	2.80	2.00	Remove	Dev			borers in base

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T270	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	11	15	6	3	85	2a	2.00	1.49	Remove	Dev			small deadwood
T271	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	13	19	8	4	90	2a	2.00	1.65	Retain				
T272	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	14	21	6	3	90	2a	2.00	1.72	Retain				
T273	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	12	16	5	3	70	3a	2.00	1.53	Remove	Dev			lots med deadwood, water stressed
T274	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	16	22	10	4	90	2a	2.00	1.75	Remove	Dev			
T275	Grey Box	<i>Eucalyptus moluccana</i>	14	20	6	5	90	2a	2.00	1.68	Remove	Dev			
T276	Grey Box	<i>Eucalyptus moluccana</i>	12	24	7	5	70	4c	2.00	1.82	Remove	Dev			bark damage at base, exposed wood, borers in base
T277	Grey Box	<i>Eucalyptus moluccana</i>	14	22	7	4	75	4c	2.00	1.75	Remove	Dev			bark damage at base, exposed wood 0-0.5m
T278	Grey Box	<i>Eucalyptus moluccana</i>	11	14	7	3	90	2a	2.00	1.45	Remove	Dev			
T279	Grey Box	<i>Eucalyptus moluccana</i>	14	18	6	4	90	2a	2.00	1.61	Retain				
T280	Grey Box	<i>Eucalyptus moluccana</i>	10	14	4	2	70	3c	2.00	1.45	Retain				s shaped at base, structurally unsound, lots of med deadwood
T281	Grey Box	<i>Eucalyptus moluccana</i>	13	19	5	4	90	2a	2.00	1.65	Remove	Dev			
T282	Grey Box	<i>Eucalyptus moluccana</i>	13	18	6	4	90	2a	2.00	1.61	Remove	Dev			
T283	Grey Box	<i>Eucalyptus moluccana</i>	12	17	6	4	60	4c	2.00	1.57	Remove	Dev			bark damage 0-0.5m, exposed wood at base
T284	Grey Box	<i>Eucalyptus moluccana</i>	11	18	5	4	70	4c	2.00	1.61	Remove	Dev			bark damage & exposed wood 0-0.3m
T285	Grey Box	<i>Eucalyptus moluccana</i>	10	13	6	3	90	2a	2.00	1.40	Remove	Dev			
T286	Grey Box	<i>Eucalyptus moluccana</i>	12	15	7	4	90	2a	2.00	1.49	Retain				
T287	Grey Box	<i>Eucalyptus moluccana</i>	12	18	5	3	85	2a	2.00	1.61	Retain				2 trunks at 0.4m, small deadwood
T288	Grey Box	<i>Eucalyptus moluccana</i>	16	21	6	5	80	2a	2.00	1.72	Retain				stresses & kino at trunks joint 0.5m
T289	Grey Box	<i>Eucalyptus moluccana</i>	17	23	8	5	90	2a	2.04	1.79	Retain				
T290	Grey Box	<i>Eucalyptus moluccana</i>	12	18	9	5	90	2a	2.00	1.61	Remove	Dev			
T291	Grey Box	<i>Eucalyptus moluccana</i>	11	15	5	3	90	2a	2.00	1.49	Remove	Dev			
T292	Grey Box	<i>Eucalyptus moluccana</i>	14	17	6	4	90	2a	2.00	1.57	Remove	Dev			
T293	Grey Box	<i>Eucalyptus moluccana</i>	16	20	3	5	60	3b	2.00	1.68	Remove	Dev			main trunk snapped at 2m
T294	Grey Box	<i>Eucalyptus moluccana</i>	16	20	6	5	90	2a	2.00	1.68	Retain				
T295	Grey Box	<i>Eucalyptus moluccana</i>	13	18	6	4	90	2a	2.00	1.61	Retain				
T296	Grey Box	<i>Eucalyptus moluccana</i>	15	19	7	5	90	2a	2.00	1.65	Retain				
T297	Grey Box	<i>Eucalyptus moluccana</i>	16	21	7	4	80	2a	2.00	1.72	Remove	Dev			2 trunks at 0.2m, 3 trunks at 1.2m
T298	Grey Box	<i>Eucalyptus moluccana</i>	11	14	5	4	90	2a	2.00	1.45	Remove	Dev			
T299	Grey Box	<i>Eucalyptus moluccana</i>	13	15	8	4	90	2a	2.00	1.49	Remove	Dev			
T300	Grey Box	<i>Eucalyptus moluccana</i>	15	17	6	5	90	2a	2.00	1.57	Remove	Dev			
T301	Grey Box	<i>Eucalyptus moluccana</i>	13	18	8	4	90	2a	2.00	1.61	Remove	Dev			
T302	Grey Box	<i>Eucalyptus moluccana</i>	11	16	6	3	90	2a	2.00	1.53	Remove	Dev			
T303	Grey Box	<i>Eucalyptus moluccana</i>	16	21	9	4	90	2a	2.00	1.72	Remove	Health			
T304	Grey Box	<i>Eucalyptus moluccana</i>	11	19	6	4	75	3b	2.00	1.65	Retain				bark damage 0-0.5m, exposed wood
T305	Grey Box	<i>Eucalyptus moluccana</i>	14	19	8	4	90	2a	2.00	1.65	Retain				
T306	Grey Box	<i>Eucalyptus moluccana</i>	16	21	8	5	90	2a	2.00	1.72	Retain				
T307	Grey Box	<i>Eucalyptus moluccana</i>	23	23	8	6	80	2a	2.72	1.79	Retain				2x trunks at 1m
T308	Grey Box	<i>Eucalyptus moluccana</i>	15	20	5	5	80	2a	2.00	1.68	Retain				3x trunks at 0.7m
T309	Grey Box	<i>Eucalyptus moluccana</i>	17	22	7	5	80	2a	2.08	1.75	Retain				2x trunks at 0.4m, 3x trunks at 1m
T310	Grey Box	<i>Eucalyptus moluccana</i>	15	21	6	4	90	2a	2.00	1.72	Retain				
T311	Grey Box	<i>Eucalyptus moluccana</i>	13	19	5	5	90	2a	2.00	1.65	Retain				
T312	Grey Box	<i>Eucalyptus moluccana</i>	14	18	7	4	80	2a	2.00	1.61	Retain				2x trunks at 0.3m
T313	Grey Box	<i>Eucalyptus moluccana</i>	16	21	8	6	80	2a	2.00	1.72	Retain				2x trunks at 1m
T314	Grey Box	<i>Eucalyptus moluccana</i>	13	18	7	5	90	2a	2.00	1.61	Retain				

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T315	Grey Box	<i>Eucalyptus moluccana</i>	28	33	10	7	80	2a	3.34	2.08	Remove	Health			2x trunks at 0.8m
T316	Grey Box	<i>Eucalyptus moluccana</i>	17	22	6	5	35	4d	2.04	1.75	Remove	Health			extensive golf ball damage on trunk, exposed wood, borers in trunk, lots kino
T317	Grey Box	<i>Eucalyptus moluccana</i>	12	15	5	4	90	4c	2.00	1.49	Retain				borers in trunk at 1.7m
T318	Grey Box	<i>Eucalyptus moluccana</i>	14	17	5	4	90	2a	2.00	1.57	Retain				
T319	Grey Box	<i>Eucalyptus moluccana</i>	16	18	7	6	90	2a	2.00	1.61	Retain				
T320	Grey Box	<i>Eucalyptus moluccana</i>	12	17	5	4	90	2a	2.00	1.57	Retain				
T321	Grey Box	<i>Eucalyptus moluccana</i>	14	20	5	4	90	2a	2.00	1.68	Remove	Health			
T322	Grey Box	<i>Eucalyptus moluccana</i>	16	20	6	4	70	4c	2.00	1.68	Retain				bark damage at base, termites in trunk
T323	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	42	65	9	6	90	2a	5.07	2.76	Retain				
T324	Grey Box	<i>Eucalyptus moluccana</i>	17	21	8	4	90	2a	2.04	1.72	Retain				
T325	Grey Box	<i>Eucalyptus moluccana</i>	13	19	7	4	90	2a	2.00	1.65	Retain				
T326	Grey Box	<i>Eucalyptus moluccana</i>	20	26	15	6	69	2d	2.40	1.88	Retain				stressed, lots small deadwood, epicormic growth
T327	Grey Box	<i>Eucalyptus moluccana</i>	38	47	22	10	70	2a	4.56	2.41	Retain				sparse canopy
T328	Grey Box	<i>Eucalyptus moluccana</i>	52	72	23	14	75	3a	6.24	2.88	Remove	Health			stressed, epicormic growth lots small deadwood
T329	Grey Box	<i>Eucalyptus moluccana</i>	110	130	24	12	45	4c	13.20	3.69	Retain				stressed, lots epicormic growth & small deadwood, major dead trunk broken at 6m, termites in dead trunk
T330	Hickory Wattle	<i>Acacia implexa</i>	25	35	9	6	80	2a	3.00	2.13	Retain				crowded, canopy off centre
T331	Grey Box	<i>Eucalyptus moluccana</i>	10	14	4	4	45	2d	2.00	1.45	Remove	Health			stressed, lots epicormic growth, lots small deadwood, suppressed, canopy off centre
T332	Dead Stag	Dead Stag	17	22	9	5	0	4a	2.04	1.75	Retain				
T333	Grey Box	<i>Eucalyptus moluccana</i>	20	24	9	6	40	3d	2.40	1.82	Remove	Health			stressed, epicormic growth, lots small deadwood, crowded, canopy off centre, suppressed
T334	Dead Stag	Dead Stag	12	15	11	3	0	4a	2.00	1.49	Remove	Health			
T335	Grey Box	<i>Eucalyptus moluccana</i>	22	27	9	5	0	4a	2.64	1.91	Remove	Health			
T336	Grey Box	<i>Eucalyptus moluccana</i>	21	26	7	3	35	4a	2.52	1.88	Remove	Health			all major branches broken, lots epicormic growth, lots small deadwood, suppressed
T337	Hickory Wattle	<i>Acacia implexa</i>	11	18	6	4	70	4c	2.00	1.61	Retain				borers in trunk
T338	Grey Box	<i>Eucalyptus moluccana</i>	14	20	6	4	80	3a	2.00	1.68	Retain				suppressed
T339	Grey Box	<i>Eucalyptus moluccana</i>	39	44	22	10	80	2a	4.68	2.34	Retain				leaning 15 degrees, crowded
T340	Hickory Wattle	<i>Acacia implexa</i>	10	15	7	4	80	3a	2.00	1.49	Retain				
T341	Grey Box	<i>Eucalyptus moluccana</i>	45	65	25	10	80	2a	5.40	2.76	Retain				crowded
T342	Hickory Wattle	<i>Acacia implexa</i>	11	16	8	3	80	3a	2.00	1.53	Retain				
T343	Grey Box	<i>Eucalyptus moluccana</i>	31	38	25	9	90	2a	3.72	2.20	Retain				
T344	Hickory Wattle	<i>Acacia implexa</i>	12	17	7	3	80	3a	2.00	1.57	Retain				
T345	Hickory Wattle	<i>Acacia implexa</i>	16	22	8	4	80	3a	2.00	1.75	Retain				
T346	Hickory Wattle	<i>Acacia implexa</i>	17	26	8	4	80	3a	2.04	1.88	Retain				
T347	Hickory Wattle	<i>Acacia implexa</i>	13	18	7	4	80	3a	2.00	1.61	Retain				
T348	Grey Box	<i>Eucalyptus moluccana</i>	53	63	23	9	75	2a	6.36	2.73	Retain				crowded, canopy off centre, small deadwood, several mistletoes
T349	Grey Box	<i>Eucalyptus moluccana</i>	62	82	25	16	70	2a	7.44	3.04	Retain		V2		medium deadwood, lots epicormic growth
T350	Grey Box	<i>Eucalyptus moluccana</i>	19	21	9	4	75	3c	2.26	1.72	Retain				2x trunks at 0.5m, lots epicormic growth, lots small deadwood, stressed, suppressed
T351	Grey Box	<i>Eucalyptus moluccana</i>	49	69	25	8	65	3c	5.88	2.83	Retain				stressed, lots small deadwood & epicormic growth, several major branches broken, large deadwood
T352	Grey Box	<i>Eucalyptus moluccana</i>	66	86	24	12	65	3c	7.92	3.11	Remove	Health			stressed, lots epicormic growth and med deadwood, canopy off centre
T353	Dead Stag	Dead Stag	49	69	25	13	0	4a	5.88	2.83	Remove	Health			

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T354	Grey Box	<i>Eucalyptus moluccana</i>	18	30	22	5	35	4a	2.16	2.00	Remove	Health			very stressed, dying, epicormic growth, lots small deadwood
T355	Dead Stag	Dead Stag	62	84	25	12	0	4a	7.44	3.08	Remove	Health			
T356	Dead Stag	Dead Stag	25	35	18	10	0	4a	3.00	2.13	Retain				
T357	Grey Box	<i>Eucalyptus moluccana</i>	20	28	9	5	60	3c	2.40	1.94	Retain				stressed, dying, lots med deadwood, epicormic growth, bark dmge & exposed wood 0-0.3m
T358	River Oak	<i>Casuarina cunninghamiana</i>	10	14	6	4	90	2a	2.00	1.45	Retain				
T359	River Oak	<i>Casuarina cunninghamiana</i>	11	18	7	3	90	2a	2.00	1.61	Retain				
T360	River Oak	<i>Casuarina cunninghamiana</i>	11	14	6	3	90	2a	2.00	1.45	Retain				
T361	River Oak	<i>Casuarina cunninghamiana</i>	12	18	6	4	80	2a	2.00	1.61	Retain				main trunk broken at 2m
T362	Grey Box	<i>Eucalyptus moluccana</i>	13	14	5	2	90	2a	2.00	1.45	Retain				
T363	Grey Box	<i>Eucalyptus moluccana</i>	15	17	5	2	90	2a	2.00	1.57	Remove	Dev			
T364	River Oak	<i>Casuarina cunninghamiana</i>	60	80	24	8	90	2a	7.20	3.01	Retain				
T365	Forest Red Gum	<i>Eucalyptus tereticornis</i>	53	60	23	12	80	2c	6.36	2.67	Retain				large broken branch, lots small deadwood, damage cambium, kino
T366	River Oak	<i>Casuarina cunninghamiana</i>	18	20	15	4	90	2a	2.16	1.68	Retain				suppressed above,
T367	River Oak	<i>Casuarina cunninghamiana</i>	18	24	16	5	90	2a	2.16	1.82	Retain				
T368	Grey Gum	<i>Eucalyptus punctata</i>	27	32	13	5	75	2c	3.20	2.05	Retain				small deadwood
T369	Hickory Wattle	<i>Acacia implexa</i>	11	18	9	1	70	3c	2.00	1.61	Retain				lots small deadwood, broken branches
T370	Hickory Wattle	<i>Acacia implexa</i>	13	18	11	4	60	3c	2.00	1.61	Remove	Dev			leaning canopy, lots small deadwood
T371	Hickory Wattle	<i>Acacia implexa</i>	17	25	10	2	80	3c	2.04	1.85	Remove	Dev			lots small deadwood, crowded, leaning canopy
T372	Hickory Wattle	<i>Acacia implexa</i>	16	20	8	2	80	3a	2.00	1.68	Remove	Dev			small deadwood
T373	River Oak	<i>Casuarina cunninghamiana</i>	43	50	13	8	80	2a	5.16	2.47	Remove	Dev			small deadwood
T374	River Oak	<i>Casuarina cunninghamiana</i>	28	38	13	7	80	2c	3.36	2.20	Retain				lots small deadwood, crowded
T375	River Oak	<i>Casuarina cunninghamiana</i>	33	50	13	5	70	3c	3.90	2.47	Remove	Dev			crowded, damage cambium, lots small deadwood
T376	River Oak	<i>Casuarina cunninghamiana</i>	38	50	15	6	80	2a	4.59	2.47	Retain				small deadwood
T377	River Oak	<i>Casuarina cunninghamiana</i>	22	25	13	5	75	3c	2.60	1.85	Retain				suppressed above, small deadwood
T378	River Oak	<i>Casuarina cunninghamiana</i>	43	62	13	6	85	2a	5.19	2.71	Retain				small deadwood
T379	River Oak	<i>Casuarina cunninghamiana</i>	36	60	13	6	80	2a	4.33	2.67	Retain				lots small deadwood
T380	River Oak	<i>Casuarina cunninghamiana</i>	19	23	10	4	70	3c	2.28	1.79	Remove	Health			suppressed above, new canopy, reduced foliage, deadwood
T381	River Oak	<i>Casuarina cunninghamiana</i>	27	40	14	6	25	4c	3.24	2.25	Retain				damage trunk cambium @ 4m, large broken branches, deadwood
T382	Grey Gum	<i>Eucalyptus punctata</i>	13	23	11	3	80	2c	2.00	1.79	Retain				suppressed above, small deadwood
T383	River Oak	<i>Casuarina cunninghamiana</i>	31	33	11	8	85	2a	3.75	2.08	Retain				small deadwood
T384	River Oak	<i>Casuarina cunninghamiana</i>	27	34	15	7	90	2a	3.24	2.10	Retain				small deadwood
T385	River Oak	<i>Casuarina cunninghamiana</i>	35	45	12	6	85	2a	4.22	2.37	Retain				small deadwood
T386	River Oak	<i>Casuarina cunninghamiana</i>	30	34	13	5	85	3b	3.60	2.10	Remove	Drainage			leaning trunk, deadwood, exposed wood
T387	River Oak	<i>Casuarina cunninghamiana</i>	29	43	12	9	85	2a	3.53	2.32	Remove	Drainage			small deadwood
T388	Grey Gum	<i>Eucalyptus punctata</i>	35	55	12	8	90	2a	4.16	2.57	Retain				
T389	River Oak	<i>Casuarina cunninghamiana</i>	33	34	11	5	85	2c	3.96	2.10	Retain				suppressed above, lots small deadwood
T390	River Oak	<i>Casuarina cunninghamiana</i>	32	47	15	8	90	2a	3.84	2.41	Retain				small deadwood
T391	River Oak	<i>Casuarina cunninghamiana</i>	39	42	13	8	85	2a	4.67	2.30	Retain				small deadwood
T392	River Oak	<i>Casuarina cunninghamiana</i>	10	13	10	2	90	2a	2.00	1.40	Retain				crowded
T393	River Oak	<i>Casuarina cunninghamiana</i>	40	50	14	9	85	2a	4.80	2.47	Remove	Drainage			small broken branches & deadwood
T394	River Oak	<i>Casuarina cunninghamiana</i>	15	18	7	2	90	2a	2.00	1.61	Retain				
T395	Tallowwood	<i>Eucalyptus microcorys</i>	74	95	20	11	90	2a	8.85	3.24	Remove	Dev			small deadwood
T396	Grey Gum	<i>Eucalyptus punctata</i>	20	22	6	3	85	2a	2.40	1.75	Remove	Dev			small deadwood
T397	Grey Gum	<i>Eucalyptus punctata</i>	35	40	9	6	90	2a	4.23	2.25	Remove	Dev			small deadwood, kino

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T398	Forest Red Gum	<i>Eucalyptus tereticornis</i>	77	95	24	14	90	2a	9.24	3.24	Retain		V3		
T399	Forest Red Gum	<i>Eucalyptus tereticornis</i>	130	150	26	20	90	2a	15.60	3.92	Retain		V1		
T400	Forest Red Gum	<i>Eucalyptus tereticornis</i>	60	65	23	14	85	2a	7.20	2.76	Retain		V3		small deadwood
T401	Forest Red Gum	<i>Eucalyptus tereticornis</i>	20	26	18	5	80	2a	2.40	1.88	Retain				crowded
T402	Forest Red Gum	<i>Eucalyptus tereticornis</i>	33	43	22	10	80	2a	3.99	2.32	Retain				2x trunks at 0.5m
T403	Forest Red Gum	<i>Eucalyptus tereticornis</i>	23	29	20	9	90	2a	2.76	1.97	Retain				
T404	Forest Red Gum	<i>Eucalyptus tereticornis</i>	50	45	9	7	75	3c	6.00	2.37	Retain				major branch lopped, tilted 45 degrees at base, poor form
T405	River Oak	<i>Casuarina cunninghamiana</i>	29	36	13	7	90	2a	3.48	2.15	Retain				
T406	River Oak	<i>Casuarina cunninghamiana</i>	47	67	17	8	85	2a	5.64	2.80	Retain				
T407	River Oak	<i>Casuarina cunninghamiana</i>	25	38	9	7	80	2a	3.00	2.20	Retain				
T408	Hickory Wattle	<i>Acacia implexa</i>	11	15	6	3	90	3a	2.00	1.49	Retain				
T409	River Oak	<i>Casuarina cunninghamiana</i>	32	40	13	7	80	2a	3.79	2.25	Retain				
T410	River Oak	<i>Casuarina cunninghamiana</i>	25	31	13	7	90	2a	3.00	2.02	Retain				
T411	River Oak	<i>Casuarina cunninghamiana</i>	34	40	13	7	80	2a	4.03	2.25	Retain				2x trunks at 0.3m
T412	River Oak	<i>Casuarina cunninghamiana</i>	33	53	15	8	80	2a	3.96	2.53	Retain				
T413	River Oak	<i>Casuarina cunninghamiana</i>	32	48	14	7	80	2a	3.84	2.43	Retain				3x trunks at 0.3m
T414	River Oak	<i>Casuarina cunninghamiana</i>	48	60	15	10	80	2a	5.76	2.67	Retain				2x trunks at 1m
T415	River Oak	<i>Casuarina cunninghamiana</i>	27	35	13	6	90	2a	3.24	2.13	Retain				
T416	River Oak	<i>Casuarina cunninghamiana</i>	23	48	10	7	70	3b	2.80	2.43	Retain				10x trunks at 0.2m
T417	River Oak	<i>Casuarina cunninghamiana</i>	25	36	11	8	90	2a	3.00	2.15	Retain				
T418	River Oak	<i>Casuarina cunninghamiana</i>	22	28	12	6	90	2a	2.64	1.94	Retain				
T419	River Oak	<i>Casuarina cunninghamiana</i>	15	25	11	6	80	2a	2.00	1.85	Retain				
T420	River Oak	<i>Casuarina cunninghamiana</i>	21	27	12	8	90	2a	2.52	1.91	Retain				
T421	River Oak	<i>Casuarina cunninghamiana</i>	18	34	8	6	90	2a	2.16	2.10	Retain				
T422	River Oak	<i>Casuarina cunninghamiana</i>	24	42	10	6	90	2a	2.88	2.30	Retain				
T423	River Oak	<i>Casuarina cunninghamiana</i>	20	30	10	6	90	2a	2.40	2.00	Retain				
T424	River Oak	<i>Casuarina cunninghamiana</i>	30	33	12	6	90	2a	3.61	2.08	Retain				
T425	River Oak	<i>Casuarina cunninghamiana</i>	27	34	8	6	80	2a	3.21	2.10	Retain				
T426	River Oak	<i>Casuarina cunninghamiana</i>	14	23	8	4	90	2a	2.00	1.79	Retain				
T427	River Oak	<i>Casuarina cunninghamiana</i>	11	20	8	3	90	2a	2.00	1.68	Retain				
T428	River Oak	<i>Casuarina cunninghamiana</i>	39	46	14	9	90	2a	4.68	2.39	Retain				
T429	River Oak	<i>Casuarina cunninghamiana</i>	53	50	16	8	75	2a	6.31	2.47	Retain				4x trunks at 0 0.5m
T430	River Oak	<i>Casuarina cunninghamiana</i>	32	40	10	7	90	2a	3.84	2.25	Retain				
T431	River Oak	<i>Casuarina cunninghamiana</i>	12	15	11	4	90	2a	2.00	1.49	Retain				
T432	River Oak	<i>Casuarina cunninghamiana</i>	13	16	8	3	90	2a	2.00	1.53	Retain				
T433	River Oak	<i>Casuarina cunninghamiana</i>	23	41	12	6	90	2a	2.76	2.28	Retain				
T434	River Oak	<i>Casuarina cunninghamiana</i>	12	17	8	3	90	2a	2.00	1.57	Remove	Drainage			
T435	River Oak	<i>Casuarina cunninghamiana</i>	15	27	10	4	90	2a	2.00	1.91	Remove	Drainage			
T436	River Oak	<i>Casuarina cunninghamiana</i>	12	18	10	3	90	2a	2.00	1.61	Remove	Drainage			
T437	River Oak	<i>Casuarina cunninghamiana</i>	10	18	8	3	90	2a	2.00	1.61	Retain				
T438	River Oak	<i>Casuarina cunninghamiana</i>	12	18	8	3	90	2a	2.00	1.61	Retain				
T439	Grey Box	<i>Eucalyptus moluccana</i>	115	135	25	18	75	2a	13.80	3.75	Retain		V2		some epicormic growth
T440	Forest Red Gum	<i>Eucalyptus tereticornis</i>	37	43	22	11	90	2a	4.44	2.32	Retain				
T441	Grey Box	<i>Eucalyptus moluccana</i>	16	23	10	7	90	2a	2.00	1.79	Retain				
T442	Norfolk Island Hibiscus	<i>Lagunaria patersonii</i>	13	24	5	4	85	3a	2.00	1.82	Retain				

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T443	River Oak	<i>Casuarina cunninghamiana</i>	11	17	7	3	90	2a	2.00	1.57	Retain				
T444	River Oak	<i>Casuarina cunninghamiana</i>	11	18	10	3	75	3c	2.00	1.61	Retain				twisted at base, poor form
T445	River Oak	<i>Casuarina cunninghamiana</i>	32	42	16	8	90	2a	3.84	2.30	Retain				
T446	River Oak	<i>Casuarina cunninghamiana</i>	31	41	14	9	90	2a	3.72	2.28	Retain				
T447	River Oak	<i>Casuarina cunninghamiana</i>	60	75	22	12	80	3a	7.26	2.93	Retain				4x stems at 0.3m
T448	River Oak	<i>Casuarina cunninghamiana</i>	29	38	20	7	80	2a	3.46	2.20	Retain				
T449	River Oak	<i>Casuarina cunninghamiana</i>	20	30	15	6	90	2a	2.40	2.00	Retain				
T450	River Oak	<i>Casuarina cunninghamiana</i>	41	61	22	12	90	2a	4.92	2.69	Retain				
T451	Forest Red Gum	<i>Eucalyptus tereticornis</i>	45	55	21	8	75	3c	5.40	2.57	Retain				kinked trunk, suppressed above, kino
T452	Forest Red Gum	<i>Eucalyptus tereticornis</i>	53	55	22	11	85	2a	6.38	2.57	Retain				small deadwood, crowded
T453	Forest Red Gum	<i>Eucalyptus tereticornis</i>	35	40	16	6	70	3c	4.17	2.25	Retain				lots small deadwood, suppressed above, exposed wood
T454	River Oak	<i>Casuarina cunninghamiana</i>	16	22	10	3	90	2a	2.00	1.75	Retain				crowded
T455	River Oak	<i>Casuarina cunninghamiana</i>	26	38	13	5	85	2a	3.12	2.20	Remove	Health			
T456	River Oak	<i>Casuarina cunninghamiana</i>	22	30	10	3	40	4a	2.68	2.00	Retain				lots small deadwood, low foliage, suppressed above, competition
T457	River Oak	<i>Casuarina cunninghamiana</i>	33	50	14	8	90	2a	3.91	2.47	Retain				small deadwood
T458	River Oak	<i>Casuarina cunninghamiana</i>	30	45	13	6	85	2c	3.61	2.37	Retain				small deadwood, suppressed above, leaning canopy
T459	River Oak	<i>Casuarina cunninghamiana</i>	34	36	12	5	85	2a	4.08	2.15	Retain				small deadwood
T460	River Oak	<i>Casuarina cunninghamiana</i>	10	13	9	2	85	2a	2.00	1.40	Retain				competition
T461	River Oak	<i>Casuarina cunninghamiana</i>	24	34	13	4	75	3c	2.88	2.10	Retain				crowded, competition, small deadwood, low foliage
T462	River Oak	<i>Casuarina cunninghamiana</i>	43	50	15	5	90	2a	5.17	2.47	Retain				small deadwood
T463	River Oak	<i>Casuarina cunninghamiana</i>	36	50	13	6	85	2a	4.32	2.47	Retain				small broken branch & deadwood
T464	Grey Box	<i>Eucalyptus moluccana</i>	16	20	9	4	85	2a	2.00	1.68	Remove	Health			crowded, small deadwood
T465	River Oak	<i>Casuarina cunninghamiana</i>	23	30	10	4	25	4a	2.74	2.00	Remove	Health			lots small deadwood, canopy dying
T466	River Oak	<i>Casuarina cunninghamiana</i>	23	30	11	7	35	4a	2.81	2.00	Remove	Health			canopy dying, suppressed below, lots small deadwood
T467	River Oak	<i>Casuarina cunninghamiana</i>	28	55	14	7	45	4a	3.41	2.57	Retain				dying canopy, lots small deadwood, competition
T468	River Oak	<i>Casuarina cunninghamiana</i>	30	34	13	5	65	3c	3.60	2.10	Remove	Health			lots small deadwood, crowded, reduced foliage
T469	River Oak	<i>Casuarina cunninghamiana</i>	20	23	9	2	5	4a	2.40	1.79	Remove	Health			no foliage, lots small deadwood, exposed wood
T470	Grey Gum	<i>Eucalyptus punctata</i>	34	40	18	10	70	4c	4.08	2.25	Retain				exposed wood at base, small deadwood, borers
T471	River Oak	<i>Casuarina cunninghamiana</i>	25	30	14	3	60	3c	3.00	2.00	Retain				suppressed above, small broken branches, deadwood
T472	River Oak	<i>Casuarina cunninghamiana</i>	28	35	12	4	75	3c	3.40	2.13	Remove	Health			lots small deadwood, broken branches, reduced canopy
T473	River Oak	<i>Casuarina cunninghamiana</i>	10	12	8	6	20	4c	2.00	1.36	Retain				heavily leaning canopy, deadwood
T474	River Oak	<i>Casuarina cunninghamiana</i>	30	38	15	6	75	3a	3.60	2.20	Retain				competition, low foliage, lots small deadwood
T475	River Oak	<i>Casuarina cunninghamiana</i>	22	28	15	5	75	3c	2.64	1.94	Retain				suppressed above, leaning canopy, lots small deadwood
T476	Forest Red Gum	<i>Eucalyptus tereticornis</i>	75	85	16	10	90	2a	9.01	3.09	Retain				kino, small deadwood
T477	River Oak	<i>Casuarina cunninghamiana</i>	17	19	9	3	80	3c	2.04	1.65	Retain				suppressed above, small deadwood
T478	River Oak	<i>Casuarina cunninghamiana</i>	22	30	13	5	85	2a	2.64	2.00	Retain				small deadwood
T479	River Oak	<i>Casuarina cunninghamiana</i>	20	28	11	6	80	2c	2.40	1.94	Retain				small deadwood, crowded
T480	River Oak	<i>Casuarina cunninghamiana</i>	17	23	10	3	50	3a	2.04	1.79	Remove	Health			suppressed above, lots small deadwood, reduced canopy
T481	Dead Stag	Dead Stag	20	27	10	2	0	4a	2.40	1.91	Retain				
T482	River Oak	<i>Casuarina cunninghamiana</i>	33	35	15	8	90	2a	3.96	2.13	Retain				small deadwood @ base
T483	Grey Box	<i>Eucalyptus moluccana</i>	10	12	12	3	70	3c	2.00	1.36	Retain				crowded, narrow canopy, lots small deadwood
T484	River Oak	<i>Casuarina cunninghamiana</i>	18	23	11	5	80	2a	2.16	1.79	Retain				small deadwood
T485	River Oak	<i>Casuarina cunninghamiana</i>	13	16	9	2	75	3c	2.00	1.53	Remove	Health			suppressed above, lots small deadwood
T486	Forest Red Gum	<i>Eucalyptus tereticornis</i>	57	75	19	12	75	4c	6.81	2.93	Retain				exposed wood, damage cambium ,small-medium deadwood
T487	Forest Red Gum	<i>Eucalyptus tereticornis</i>	122	130	20	16	90	2a	14.64	3.69	Retain		V2		small-medium deadwood

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T488	River Oak	<i>Casuarina cunninghamiana</i>	20	23	10	4	85	2c	2.40	1.79	Retain				suppressed above, leaning canopy
T489	River Oak	<i>Casuarina cunninghamiana</i>	22	25	12	6	80	2a	2.63	1.85	Retain				small deadwood, crowded
T490	River Oak	<i>Casuarina cunninghamiana</i>	26	30	12	5	90	2a	3.12	2.00	Retain				small deadwood
T491	River Oak	<i>Casuarina cunninghamiana</i>	27	35	14	9	90	2a	3.20	2.13	Retain				small deadwood
T492	River Oak	<i>Casuarina cunninghamiana</i>	34	42	20	8	90	2a	4.08	2.30	Retain				
T493	River Oak	<i>Casuarina cunninghamiana</i>	15	20	9	2	90	2a	2.00	1.68	Remove	Dev			
T494	Radiata Pine	<i>Pinus radiata</i>	140	160	19	9	90	2a	16.80	4.03	Retain				small-medium deadwood, kino
T495	Grey Gum	<i>Eucalyptus punctata</i>	63	70	19	11	90	3b	7.56	2.85	Remove	Dev			exposed wood, borers, kino
T496	Forest Red Gum	<i>Eucalyptus tereticornis</i>	40	43	17	7	90	2a	4.80	2.32	Retain				
T497	Radiata Pine	<i>Pinus radiata</i>	116	136	17	8	90	2a	13.92	3.77	Retain				kino
T498	Forest Red Gum	<i>Eucalyptus tereticornis</i>	22	24	9	3	75	3c	2.64	1.82	Retain				exposed wood, deadwood
T499	Grey Gum	<i>Eucalyptus punctata</i>	33	40	17	7	90	3c	3.96	2.25	Remove	Earthwks			exposed wood, kino, small deadwood
T500	Liquidambar	<i>Liquidambar styraciflua</i>	60	75	18	5	90	2a	7.20	2.93	Retain				
T501	River Oak	<i>Casuarina cunninghamiana</i>	31	55	16	7	80	2a	3.70	2.57	Retain				3x trunks at 0.3m
T502	River Oak	<i>Casuarina cunninghamiana</i>	19	25	9	6	80	2a	2.28	1.85	Remove	Health			
T503	River Oak	<i>Casuarina cunninghamiana</i>	22	29	16	6	30	4a	2.64	1.97	Retain				dying, canopy 10% alive, cause unknown
T504	Grey Box	<i>Eucalyptus moluccana</i>	16	21	9	3	90	2a	2.00	1.72	Remove	Health			
T505	Dead Stag	Dead Stag	18	25	17	6	0	4a	2.16	1.85	Retain				
T506	River Oak	<i>Casuarina cunninghamiana</i>	30	38	18	9	80	2a	3.64	2.20	Remove	Health			3x trunks at 0.3m
T507	River Oak	<i>Casuarina cunninghamiana</i>	26	32	16	6	50	4a	3.14	2.05	Remove	Health			dying, top 20% of canopy still alive, cause unknown
T508	Dead Stag	Dead Stag	16	23	13	7	0	4a	2.00	1.79	Remove	Health			
T509	Dead Stag	Dead Stag	18	24	13	5	0	4a	2.16	1.82	Remove	Health			
T510	Dead Stag	Dead Stag	12	19	12	5	0	4a	2.00	1.65	Remove	Health			
T511	Dead Stag	Dead Stag	17	26	13	7	0	4a	2.04	1.88	Retain				
T512	River Oak	<i>Casuarina cunninghamiana</i>	16	21	13	6	60	3d	2.00	1.72	Retain				dying, sparse canopy, cause unknown
T513	River Oak	<i>Casuarina cunninghamiana</i>	14	16	12	7	80	2a	2.00	1.53	Retain				
T514	River Oak	<i>Casuarina cunninghamiana</i>	27	33	13	8	80	2a	3.24	2.08	Retain				
T515	River Oak	<i>Casuarina cunninghamiana</i>	36	36	15	9	80	2a	4.27	2.15	Retain				
T516	River Oak	<i>Casuarina cunninghamiana</i>	23	33	14	8	80	2a	2.76	2.08	Retain				
T517	River Oak	<i>Casuarina cunninghamiana</i>	19	36	13	6	75	3a	2.29	2.15	Remove	Health			3x trunks at 0.2m, sparse canopy
T518	Dead Stag	Dead Stag	17	25	10	7	0	4a	2.04	1.85	Remove	Health			
T519	River Oak	<i>Casuarina cunninghamiana</i>	18	25	8	5	65	4a	2.14	1.85	Retain				declining, sparse canopy
T520	River Oak	<i>Casuarina cunninghamiana</i>	22	31	10	7	80	2a	2.70	2.02	Retain				
T521	River Oak	<i>Casuarina cunninghamiana</i>	30	35	12	9	90	2a	3.60	2.13	Retain				
T522	River Oak	<i>Casuarina cunninghamiana</i>	21	37	12	6	80	3a	2.51	2.18	Retain				
T523	River Oak	<i>Casuarina cunninghamiana</i>	23	27	14	6	80	3a	2.80	1.91	Retain				sparse canopy, 2x trunks at 1m
T524	River Oak	<i>Casuarina cunninghamiana</i>	26	37	16	9	90	2a	3.12	2.18	Retain				
T525	River Oak	<i>Casuarina cunninghamiana</i>	25	29	12	7	80	2a	2.95	1.97	Retain				
T526	River Oak	<i>Casuarina cunninghamiana</i>	30	45	13	8	90	2a	3.54	2.37	Retain				
T527	River Oak	<i>Casuarina cunninghamiana</i>	15	27	6	4	80	2a	2.00	1.91	Retain				crowded
T528	River Oak	<i>Casuarina cunninghamiana</i>	25	35	15	9	90	2a	3.00	2.13	Remove	Health			
T529	Dead Stag	Dead Stag	21	28	12	9	0	4a	2.52	1.94	Retain				
T530	River Oak	<i>Casuarina cunninghamiana</i>	17	23	13	6	90	2a	2.04	1.79	Retain				
T531	River Oak	<i>Casuarina cunninghamiana</i>	16	23	12	6	80	2a	2.00	1.79	Remove	Health			
T532	Dead Stag	Dead Stag	14	22	9	4	0	4a	2.00	1.75	Retain				

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T533	River Oak	<i>Casuarina cunninghamiana</i>	18	26	14	7	80	2a	2.16	1.88	Retain				
T534	River Oak	<i>Casuarina cunninghamiana</i>	24	34	16	8	80	2a	2.88	2.10	Retain				
T535	River Oak	<i>Casuarina cunninghamiana</i>	24	30	16	8	80	2a	2.88	2.00	Retain				
T536	River Oak	<i>Casuarina cunninghamiana</i>	24	34	14	7	80	2a	2.88	2.10	Retain				
T537	River Oak	<i>Casuarina cunninghamiana</i>	12	18	7	3	90	2a	2.00	1.61	Remove	Dev			
T538	Silky Oak	<i>Grevillea robusta</i>	37	60	18	8	80	2a	4.44	2.67	Remove	Dev			
T539	Radiata Pine	<i>Pinus radiata</i>	48	58	15	9	90	2a	5.76	2.63	Retain				
T540	Radiata Pine	<i>Pinus radiata</i>	74	94	22	12	90	2a	8.88	3.22	Remove	Health			
T541	Dead Stag	Dead Stag	83	93	3	2	0	4a	9.96	3.21	Remove	Dev			
T542	Willow Bottlebrush	<i>Callistemon salignus</i>	58	80	11	11	80	2a	6.93	3.01	Remove	Earthwks			
T543	Liquidambar	<i>Liquidambar styraciflua</i>	36	46	8	7	90	2a	4.32	2.39	Retain				
T544	Yellow Bloodwood	<i>Corymbia eximia</i>	17	23	9	5	90	2a	2.04	1.79	Retain				
T545	Spotted Gum	<i>Corymbia maculata</i>	57	77	23	17	80	2a	6.84	2.97	Retain				
T546	Spotted Gum	<i>Corymbia maculata</i>	38	58	23	12	90	2a	4.56	2.63	Remove	Health			
T547	Spotted Gum	<i>Corymbia maculata</i>	56	80	20	14	70	4c	6.75	3.01	Remove	Health			exposed wood at base, lots kino, borers in trunk
T548	Grey Gum	<i>Eucalyptus punctata</i>	39	49	13	11	65	4c	4.68	2.45	Remove	Dev			bark damage & exposed wood at base, borers in trunk
T549	Red Box	<i>Eucalyptus (polyanthemos?)</i>	37	40	13	12	90	2a	4.44	2.25	Remove	Dev			
T550	Forest Red Gum	<i>Eucalyptus tereticornis</i>	31	43	13	8	90	2a	3.72	2.32	Retain				
T551	Spotted Gum	<i>Corymbia maculata</i>	90	115	19	13	90	2a	10.82	3.51	Retain				small deadwood,
T552	Spotted Gum	<i>Corymbia maculata</i>	90	110	20	15	85	2a	10.80	3.44	Retain				kino
T553	Spotted Gum	<i>Corymbia maculata</i>	43	53	17	10	90	2a	5.16	2.53	Retain				kino, small deadwood
T554	Spotted Gum	<i>Corymbia maculata</i>	53	63	19	11	90	2a	6.36	2.73	Retain				small deadwood
T555	Grey Gum	<i>Eucalyptus punctata</i>	54	62	20	9	90	2a	6.48	2.71	Remove	Health			small deadwood, kino
T556	Forest Red Gum	<i>Eucalyptus tereticornis</i>	33	35	13	5	45	4c	3.96	2.13	Retain				damage cambium, kino, borers, epicormic growth, lots small deadwood
T557	Grey Gum	<i>Eucalyptus punctata</i>	29	32	9	4	85	2c	3.48	2.05	Retain				suppressed above
T558	Spotted Gum	<i>Corymbia maculata</i>	30	35	12	8	80	2a	3.60	2.13	Remove	Health			kino
T559	Forest Red Gum	<i>Eucalyptus tereticornis</i>	20	20	6	2	20	4a	2.40	1.68	Retain				kino, deadwood, low foliage, damage cambium
T560	Forest Red Gum	<i>Eucalyptus tereticornis</i>	31	33	9	4	85	3c	3.72	2.08	Retain				borers, small deadwood
T561	Radiata Pine	<i>Pinus radiata</i>	90	100	19	10	90	2a	10.80	3.31	Retain				medium deadwood
T562	Radiata Pine	<i>Pinus radiata</i>	100	110	19	9	80	2a	12.00	3.44	Retain				medium deadwood, kino
T563	Forest Red Gum	<i>Eucalyptus tereticornis</i>	26	26	14	3	80	3c	3.12	1.88	Retain				small deadwood, broken branch, borers
T564	Radiata Pine	<i>Pinus radiata</i>	98	105	18	8	90	2a	11.76	3.38	Retain				
T565	Radiata Pine	<i>Pinus radiata</i>	96	108	20	13	90	2a	11.52	3.42	Remove	Dev			
T566	Grey Gum	<i>Eucalyptus punctata</i>	46	43	15	8	90	2a	5.47	2.32	Remove	Dev			
T567	Grey Gum	<i>Eucalyptus punctata</i>	26	29	5	2	80	3c	3.12	1.97	Remove	Dev			leaning canopy, kino, small deadwood
T568	Grey Gum	<i>Eucalyptus punctata</i>	41	48	19	8	85	2a	4.92	2.43	Retain				kino
T569	Forest Red Gum	<i>Eucalyptus tereticornis</i>	31	34	13	4	90	2a	3.72	2.10	Retain				
T570	Red Box	<i>Eucalyptus (polyanthemos?)</i>	66	70	18	10	90	2a	7.92	2.85	Retain				small deadwood
T571	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	54	62	18	7	85	2a	6.48	2.71	Retain				epicormic growth, small deadwood
T572	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	76	78	21	11	80	3c	9.12	2.98	Retain				small-medium deadwood, exposed wood, epicormic growth
T573	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	90	98	24	11	80	2c	10.80	3.28	Retain				epicormic growth, small-medium deadwood
T574	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	89	115	27	15	85	2a	10.63	3.51	Retain		V2		small-medium deadwood
T575	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	145	145	25	14	80	3c	17.40	3.87	Retain		V3		borers, epicormic growth, small-medium deadwood
T576	Tallowwood	<i>Eucalyptus microcorys</i>	31	38	19	10	90	2a	3.72	2.20	Remove	Dev			
T577	Red Box	<i>Eucalyptus (polyanthemos?)</i>	56	66	22	13	90	2a	6.72	2.78	Retain				

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T578	Grey Gum	<i>Eucalyptus punctata</i>	13	18	8	4	70	3a	2.00	1.61	Remove	Dev			exposed wood at 1m, bark damage
T579	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	28	32	16	8	80	2a	3.36	2.05	Retain				sparse canopy
T580	Red Box	<i>Eucalyptus (polyanthemos?)</i>	85	76	20	16	80	2a	10.25	2.95	Remove	Dev			
T581	Grey Gum	<i>Eucalyptus punctata</i>	33	43	17	10	80	2a	3.96	2.32	Remove	Dev			bark damage to 2m, kino
T582	Grey Gum	<i>Eucalyptus punctata</i>	38	44	11	11	80	2a	4.56	2.34	Remove	Dev			
T583	Rough-barked Apple	<i>Angophora floribunda</i>	42	62	23	11	80	2a	5.04	2.71	Remove	Dev			slightly stressed, 'clumpy' canopy
T584	Eucalyptus sp.	<i>Eucalyptus</i> sp.	58	70	22	14	90	2a	6.99	2.85	Retain				
T585	Red Box	<i>Eucalyptus (polyanthemos?)</i>	59	67	20	12	90	2a	7.03	2.80	Retain				
T586	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	31	36	13	8	80	2a	3.72	2.15	Retain				sparse canopy
T587	Grey Gum	<i>Eucalyptus punctata</i>	36	43	13	9	80	2a	4.32	2.32	Retain				
T588	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	88	98	23	15	80	2a	10.56	3.28	Remove	Dev	V2		
T589	Grey Gum	<i>Eucalyptus punctata</i>	17	23	5	4	80	2a	2.04	1.79	Remove	Dev			
T590	Grey Gum	<i>Eucalyptus punctata</i>	38	45	11	13	90	2a	4.56	2.37	Retain				
T591	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	73	120	25	12	80	2a	8.79	3.57	Retain				crowded
T592	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	46	66	24	13	80	2a	5.52	2.78	Retain				crowded
T593	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	44	57	23	13	80	2a	5.28	2.61	Retain				crowded
T594	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	68	78	25	15	80	2a	8.16	2.98	Retain		V2		crowded
T595	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	49	64	19	6	75	3c	5.88	2.74	Remove	Dev			medium deadwood, epicormic growth, exposed wood
T596	Radiata Pine	<i>Pinus radiata</i>	44	64	13	11	80	2a	5.28	2.74	Remove	Dev			
T597	Radiata Pine	<i>Pinus radiata</i>	52	58	10	7	80	3c	6.24	2.63	Remove	Dev			kino, multiple loppings, leaning canopy
T598	Radiata Pine	<i>Pinus radiata</i>	68	76	19	14	80	2a	8.16	2.95	Remove	Health			
T599	Radiata Pine	<i>Pinus radiata</i>	70	75	13	8	45	4a	8.40	2.93	Retain				kino, multiple loppings, dying foliage, medium deadwood
T600	Radiata Pine	<i>Pinus radiata</i>	67	87	22	13	80	2a	8.04	3.12	Retain		V3		multiple loppings, lots kino
T601	River Oak	<i>Casuarina cunninghamiana</i>	20	26	11	3	85	2a	2.40	1.88	Retain				small deadwood
T602	River Oak	<i>Casuarina cunninghamiana</i>	23	28	11	5	90	2a	2.76	1.94	Retain				
T603	River Oak	<i>Casuarina cunninghamiana</i>	13	15	8	3	70	3c	2.00	1.49	Retain				low foliage, crowded, suppressed above
T604	River Oak	<i>Casuarina cunninghamiana</i>	21	28	10	4	80	3c	2.52	1.94	Retain				leaning canopy, small deadwood
T605	River Oak	<i>Casuarina cunninghamiana</i>	22	24	9	3	80	3c	2.64	1.82	Retain				medium broken branch, small deadwood, suppressed above
T606	River Oak	<i>Casuarina cunninghamiana</i>	15	16	6	3	85	2a	2.00	1.53	Retain				small deadwood
T607	River Oak	<i>Casuarina cunninghamiana</i>	20	21	9	3	85	2a	2.40	1.72	Retain				small deadwood
T608	River Oak	<i>Casuarina cunninghamiana</i>	16	17	9	3	70	3c	2.00	1.57	Retain				damage cambium, small deadwood, crowded
T609	River Oak	<i>Casuarina cunninghamiana</i>	18	20	10	3	70	3c	2.16	1.68	Retain				borers, lots small deadwood, exposed wood
T610	River Oak	<i>Casuarina cunninghamiana</i>	19	19	9	4	85	2a	2.28	1.65	Retain				small deadwood
T611	River Oak	<i>Casuarina cunninghamiana</i>	24	22	11	4	90	2a	2.88	1.75	Retain				small deadwood
T612	Black Wattle	<i>Acacia decurrens</i>	12	12	9	2	50	3a	2.00	1.36	Retain				suppressed above, lots small deadwood, kino, dying foliage
T613	River Oak	<i>Casuarina cunninghamiana</i>	25	27	9	4	85	2a	3.00	1.91	Retain				small deadwood
T614	River Oak	<i>Casuarina cunninghamiana</i>	30	31	12	5	90	2a	3.60	2.02	Retain				small deadwood
T615	River Oak	<i>Casuarina cunninghamiana</i>	21	22	9	4	90	2a	2.52	1.75	Retain				small deadwood
T616	Grey Box	<i>Eucalyptus moluccana</i>	67	73	20	15	70	3c	8.04	2.90	Retain				epicormic growth, lots small-medium deadwood,
T617	River Oak	<i>Casuarina cunninghamiana</i>	39	38	11	6	75	3c	4.67	2.20	Retain				suppressed above, leaning canopy
T618	River Oak	<i>Casuarina cunninghamiana</i>	24	27	9	3	80	2c	2.88	1.91	Retain				suppressed above
T619	River Oak	<i>Casuarina cunninghamiana</i>	26	28	7	3	90	2c	3.12	1.94	Retain				leaning canopy
T620	River Oak	<i>Casuarina cunninghamiana</i>	21	23	8	4	85	3c	2.52	1.79	Retain				suppressed above, leaning canopy
T621	Forest Red Gum	<i>Eucalyptus tereticornis</i>	54	60	20	10	80	2c	6.51	2.67	Retain				small-medium deadwood,kino,suppressed below
T622	Forest Red Gum	<i>Eucalyptus tereticornis</i>	107	137	24	17	85	2a	12.84	3.78	Retain		V2		small-large deadwood, kino

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T623	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	39	40	16	10	80	2a	4.68	2.25	Retain				small deadwood
T624	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	65	75	9	8	90	2a	7.80	2.93	Retain				suppressed above
T625	Forest Red Gum	<i>Eucalyptus tereticornis</i>	26	28	11	5	70	2c	3.12	1.94	Retain				leaning canopy, small-medium deadwood
T626	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	40	43	19	12	90	2a	4.80	2.32	Remove	Dev			medium deadwood
T627	Forest Red Gum	<i>Eucalyptus tereticornis</i>	37	45	18	8	80	2c	4.44	2.37	Remove	Health			leaning canopy, lots small-medium deadwood
T628	Forest Red Gum	<i>Eucalyptus tereticornis</i>	53	59	22	9	40	4c	6.36	2.65	Remove	Dev			damage cambium, borers, large deadwood ,kino
T629	Grey Gum	<i>Eucalyptus punctata</i>	12	17	5	2	90	2a	2.00	1.57	Remove	Dev			
T630	Grey Gum	<i>Eucalyptus punctata</i>	13	15	8	2	90	2a	2.00	1.49	Remove	Dev			
T631	Forest Red Gum	<i>Eucalyptus tereticornis</i>	180	210	26	15	70	4c	21.60	4.52	Remove	Dev	V2		damage cambium, kino, small-large deadwood, borers, epicormic growth
T632	Grey Gum	<i>Eucalyptus punctata</i>	15	17	8	2	90	2a	2.00	1.57	Remove	Dev			
T633	Grey Gum	<i>Eucalyptus punctata</i>	13	15	6	2	90	2a	2.00	1.49	Remove	Dev			
T634	Grey Gum	<i>Eucalyptus punctata</i>	19	23	10	3	90	2a	2.28	1.79	Retain				
T635	Grey Gum	<i>Eucalyptus punctata</i>	22	24	10	4	90	2a	2.64	1.82	Retain				
T636	Forest Red Gum	<i>Eucalyptus tereticornis</i>	25	29	18	7	85	2a	3.00	1.97	Retain				small-medium deadwood
T637	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	31	48	15	5	85	2a	3.72	2.43	Retain				
T638	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	28	34	8	4	70	2c	3.36	2.10	Retain				crowded, suppressed above
T639	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	13	16	4	1	80	3c	2.00	1.53	Remove	Health			suppressed above, small deadwood
T640	Forest Red Gum	<i>Eucalyptus tereticornis</i>	130	150	24	18	65	4c	15.60	3.92	Remove	Health	V2		exposed wood, damage cambium, heavily leaning canopy, medium deadwood
T641	Forest Red Gum	<i>Eucalyptus tereticornis</i>	133	158	25	12	65	4c	15.96	4.01	Remove	Health			exposed wood along main trunk, medium deadwood
T642	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	57	60	19	13	80	4c	6.84	2.67	Remove	Health			exposed wood @ base, borers, small-medium deadwood, bracket fungi, leaning canopy
T643	Forest Red Gum	<i>Eucalyptus tereticornis</i>	22	26	9	5	70	4c	2.64	1.88	Retain				exposed wood, small deadwood, suppressed above
T644	Forest Red Gum	<i>Eucalyptus tereticornis</i>	15	18	9	2	70	3c	2.00	1.61	Retain				small deadwood, kino
T645	Forest Red Gum	<i>Eucalyptus tereticornis</i>	25	34	14	4	70	3c	3.00	2.10	Retain				lots small deadwood, kink in trunk, leaning canopy
T646	Forest Red Gum	<i>Eucalyptus tereticornis</i>	22	28	5	2	80	2a	2.63	1.94	Remove	Dev			
T647	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	43	48	14	7	85	2a	5.16	2.43	Remove	Dev			small deadwood
T648	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	61	75	15	6	75	4c	7.32	2.93	Remove	Dev			large broken trunk, epicormic growth, damage cambium
T649	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	47	52	6	3	60	4c	5.64	2.51	Remove	Health			large broken trunk
T650	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	29	32	9	4	65	4c	3.48	2.05	Retain				large broken trunk, exposed wood
T651	River Oak	<i>Casuarina cunninghamiana</i>	26	38	12	8	90	2a	3.12	2.20	Retain				
T652	Forest Red Gum	<i>Eucalyptus tereticornis</i>	52	50	20	11	80	2a	6.28	2.47	Retain				2x trunks at 0.5m
T653	River Oak	<i>Casuarina cunninghamiana</i>	12	21	9	4	90	2a	2.00	1.72	Retain				
T654	River Oak	<i>Casuarina cunninghamiana</i>	26	37	12	7	90	2a	3.14	2.18	Retain				
T655	River Oak	<i>Casuarina cunninghamiana</i>	20	26	12	4	90	2a	2.40	1.88	Retain				
T656	River Oak	<i>Casuarina cunninghamiana</i>	23	33	12	6	80	2a	2.76	2.08	Remove	Health			
T657	Dead Stag	Dead Stag	16	23	8	3	0	4a	2.00	1.79	Retain				
T658	River Oak	<i>Casuarina cunninghamiana</i>	26	29	12	8	80	2a	3.15	1.97	Retain				
T659	River Oak	<i>Casuarina cunninghamiana</i>	21	29	12	5	80	2a	2.46	1.97	Remove	Dev			
T660	River Oak	<i>Casuarina cunninghamiana</i>	18	24	9	5	80	2a	2.16	1.82	Remove	Dev			
T661	Grey Box	<i>Eucalyptus moluccana</i>	13	19	8	3	90	2a	2.00	1.65	Remove	Dev			
T662	River Oak	<i>Casuarina cunninghamiana</i>	18	30	7	5	80	2a	2.14	2.00	Retain				
T663	River Oak	<i>Casuarina cunninghamiana</i>	10	16	7	4	80	2a	2.00	1.53	Retain				
T664	River Oak	<i>Casuarina cunninghamiana</i>	17	23	10	4	80	2a	2.04	1.79	Retain				medium deadwood

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T665	River Oak	<i>Casuarina cunninghamiana</i>	20	29	13	6	90	2a	2.40	1.97	Retain				
T666	River Oak	<i>Casuarina cunninghamiana</i>	19	27	10	4	90	2a	2.28	1.91	Retain				
T667	River Oak	<i>Casuarina cunninghamiana</i>	21	28	10	5	90	2a	2.52	1.94	Retain				
T668	River Oak	<i>Casuarina cunninghamiana</i>	21	28	12	5	90	2a	2.52	1.94	Retain				
T669	River Oak	<i>Casuarina cunninghamiana</i>	18	24	11	7	80	2a	2.12	1.82	Retain				2x trunks at 0.7m
T670	River Oak	<i>Casuarina cunninghamiana</i>	17	28	11	4	80	2a	2.06	1.94	Retain				2x trunks at 0.7m
T671	River Oak	<i>Casuarina cunninghamiana</i>	20	29	10	5	80	2a	2.38	1.97	Retain				2x trunks at 0.2m
T672	River Oak	<i>Casuarina cunninghamiana</i>	27	34	12	7	75	3a	3.25	2.10	Retain				4x trunks at 0.5m
T673	Forest Red Gum	<i>Eucalyptus tereticornis</i>	72	82	24	16	65	3d	8.64	3.04	Retain		V2		exposed wood 1-3m, fungal attack
T674	Two-veined Hickory	<i>Acacia binervata</i>	25	32	8	7	80	3a	2.98	2.05	Retain				
T675	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	45	49	15	7	70	3c	5.40	2.45	Remove	Health			stressed, epicormic growth, crowded, canopy off centre
T676	Forest Red Gum	<i>Eucalyptus tereticornis</i>	96	105	25	14	65	4c	11.52	3.38	Retain		V3		overmature, lge & v. lge deadwood
T677	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	29	33	15	10	80	2a	3.48	2.08	Retain				some epicormic growth
T678	Forest Red Gum	<i>Eucalyptus tereticornis</i>	82	90	24	15	80	2a	9.84	3.17	Retain		V2		
T679	Grey Box	<i>Eucalyptus moluccana</i>	20	25	18	7	90	2a	2.40	1.85	Remove	Health			
T680	White Mahogany	<i>Eucalyptus acmenoides</i>	24	28	7	10	70	4c	2.88	1.94	Retain				leaning >15deg, canopy off centre, poor form
T681	Rough-barked Apple	<i>Angophora floribunda</i>	48	68	18	8	70	3c	5.76	2.81	Retain				stressed, epicormic growth, crowded, suppressed
T682	White Mahogany	<i>Eucalyptus acmenoides</i>	40	37	18	12	75	3c	4.84	2.18	Retain				2x trunks at 1m, lots small deadwood, epicormic growth
T683	Rough-barked Apple	<i>Angophora floribunda</i>	39	43	19	9	75	3c	4.68	2.32	Retain				stressed, epicormic growth, leaning 10deg, canopy off centre
T684	Grey Gum	<i>Eucalyptus punctata</i>	12	17	11	4	80	2a	2.00	1.57	Retain				
T685	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	11	14	6	4	90	2a	2.00	1.45	Retain				
T686	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	19	23	15	4	80	2a	2.28	1.79	Retain				crowded
T687	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	37	55	13	7	90	2a	4.41	2.57	Retain				
T688	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	14	21	10	3	90	2a	2.00	1.72	Retain				
T689	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	13	16	10	3	90	2a	2.00	1.53	Retain				
T690	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	17	25	4	2	60	2c	2.00	1.85	Retain				larger trunk broken at 1.5m
T691	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	10	14	5	2	90	2a	2.00	1.45	Retain				
T692	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	16	22	7	3	90	2a	2.00	1.75	Retain				
T693	Forest Red Gum	<i>Eucalyptus tereticornis</i>	22	25	13	11	90	2a	2.64	1.85	Retain				
T694	Forest Red Gum	<i>Eucalyptus tereticornis</i>	14	18	9	3	90	2a	2.00	1.61	Retain				
T695	Forest Red Gum	<i>Eucalyptus tereticornis</i>	26	29	15	9	80	2a	3.12	1.97	Retain				crowded
T696	Grey Box	<i>Eucalyptus moluccana</i>	24	28	17	9	90	2a	2.88	1.94	Retain				crowded
T697	Forest Red Gum	<i>Eucalyptus tereticornis</i>	20	26	9	7	80	2a	2.40	1.88	Retain				crowded, poor form
T698	Forest Red Gum	<i>Eucalyptus tereticornis</i>	24	33	12	5	80	2a	2.88	2.08	Remove	Health			crowded
T699	White Mahogany	<i>Eucalyptus acmenoides</i>	28	33	17	8	20	4a	3.36	2.08	Retain				declining, epicormic growth on trunk to 2m, remainder of tree is dead
T700	Grey Box	<i>Eucalyptus moluccana</i>	31	38	22	9	80	2a	3.72	2.20	Remove	Health			
T701	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	21	30	9	5	70	3c	2.55	2.00	Remove	Dev			suppressed above
T702	Forest Red Gum	<i>Eucalyptus tereticornis</i>	58	90	23	12	75	2c	7.00	3.17	Retain				small deadwood, epicormic growth
T703	Forest Red Gum	<i>Eucalyptus tereticornis</i>	98	110	24	14	70	2c	11.76	3.44	Retain		V3	Cat-3	epicormic growth, lots small deadwood
T704	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	80	95	22	12	85	2a	9.60	3.24	Retain				medium broken branch, small deadwood
T705	Forest Red Gum	<i>Eucalyptus tereticornis</i>	110	130	26	15	70	2c	13.20	3.69	Remove	Health	V2		lots small deadwood, epicormic growth,
T706	Dead Stag	Dead Stag	24	29	9	3	0	4a	2.88	1.97	Retain				
T707	Grey Box	<i>Eucalyptus moluccana</i>	114	150	25	16	65	3c	13.68	3.92	Remove	Health	V2	Cat-3	epicormic growth, lots small deadwood
T708	Dead Stag	Dead Stag	23	23	7	2	0	4a	2.76	1.79	Remove	Dev			
T709	Forest Red Gum	<i>Eucalyptus tereticornis</i>	73	76	23	13	70	2c	8.76	2.95	Retain		V3		lots small deadwood, leaning canopy, epicormic growth

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T710	Forest Red Gum	<i>Eucalyptus tereticornis</i>	45	50	21	8	65	3a	5.40	2.47	Remove	Health			epicormic growth, small deadwood, leaning canopy
T711	Forest Red Gum	<i>Eucalyptus tereticornis</i>	43	60	19	7	30	4a	5.19	2.67	Remove	Health			1xtrunk dead, 1xtrunk with epicormic growth, lots small deadwood, bracket fungi
T712	Forest Red Gum	<i>Eucalyptus tereticornis</i>	24	26	19	3	20	4a	2.88	1.88	Remove	Health			stressed, epicormic growth, small deadwood
T713	Forest Red Gum	<i>Eucalyptus tereticornis</i>	50	60	23	7	25	4a	6.00	2.67	Remove	Health			dying canopy, small deadwood
T714	Forest Red Gum	<i>Eucalyptus tereticornis</i>	27	30	17	4	20	4a	3.24	2.00	Remove	Health			dying canopy, epicormic growth, lots small deadwood
T715	Forest Red Gum	<i>Eucalyptus tereticornis</i>	26	30	18	4	20	4a	3.12	2.00	Remove	Health			stressed, dying canopy
T716	Forest Red Gum	<i>Eucalyptus tereticornis</i>	33	40	17	10	50	3b	3.96	2.25	Remove	Health			heavily leaning canopy, small deadwood, epicormic growth
T717	Dead Stag	Dead Stag	55	68	23	10	0	4a	6.60	2.81	Remove	Health			dead canopy, lots of deadwood
T718	Dead Stag	Dead Stag	32	38	23	5	0	4a	3.84	2.20	Remove	Health			
T719	Dead Stag	Dead Stag	27	33	17	3	0	4a	3.24	2.08	Remove	Health			
T720	Dead Stag	Dead Stag	34	43	21	5	0	4a	4.08	2.32	Remove	Health			
T721	Dead Stag	Dead Stag	21	21	16	3	0	4a	2.52	1.72	Remove	Health			
T722	Dead Stag	Dead Stag	14	14	9	2	0	4a	2.00	1.45	Remove	Health			
T723	Dead Stag	Dead Stag	36	40	22	3	0	4a	4.32	2.25	Remove	Health			
T724	Dead Stag	Dead Stag	52	54	23	7	0	4a	6.24	2.55	Remove	Health			
T725	Forest Red Gum	<i>Eucalyptus tereticornis</i>	23	22	11	3	30	4c	2.76	1.75	Remove	Health			exposed wood, leaning, lots small deadwood, epicormic growth
T726	Forest Red Gum	<i>Eucalyptus tereticornis</i>	29	39	21	6	45	4a	3.48	2.23	Retain				lots of deadwood, epicormic growth, reduced canopy
T727	Forest Red Gum	<i>Eucalyptus tereticornis</i>	22	22	13	6	70	3b	2.64	1.75	Remove	Health			exposed wood, leaning canopy ,epicormic growth
T728	Dead Stag	Dead Stag	19	22	13	2	0	4a	2.28	1.75	Remove	Health			
T729	Dead Stag	Dead Stag	70	70	23	11	0	4a	8.40	2.85	Remove	Health			
T730	Dead Stag	Dead Stag	62	62	24	7	0	4a	7.44	2.71	Retain				
T731	Forest Red Gum	<i>Eucalyptus tereticornis</i>	52	64	25	13	25	3b	6.24	2.74	Retain				lots of deadwood, dying canopy, epicormic growth below
T732	Forest Red Gum	<i>Eucalyptus tereticornis</i>	25	30	14	6	75	3c	3.00	2.00	Remove	Health		Cat-3	small deadwood, epicormic growth
T733	Dead Stag	Dead Stag	22	22	12	0	0	4a	2.64	1.75	Remove	Health			
T734	Forest Red Gum	<i>Eucalyptus tereticornis</i>	32	33	22	5	20	4a	3.84	2.08	Remove	Health			dead canopy, epicormic growth, deadwood
T735	Forest Red Gum	<i>Eucalyptus tereticornis</i>	52	63	24	8	15	4a	6.24	2.73	Retain				dying & leaning canopy, deadwood, epicormic growth
T736	Forest Red Gum	<i>Eucalyptus tereticornis</i>	55	60	24	10	60	3b	6.60	2.67	Remove	Health			leaning canopy, small-medium deadwood, epicormic growth, canopy dying
T737	Dead Stag	Dead Stag	80	90	24	13	0	4a	9.60	3.17	Remove	Health	V3		
T738	Forest Red Gum	<i>Eucalyptus tereticornis</i>	60	68	24	10	40	4a	7.20	2.81	Retain				leaning canopy, epicormic growth, deadwood, low foliage
T739	Grey Box	<i>Eucalyptus moluccana</i>	120	140	24	14	75	2d	14.40	3.81	Retain		V3		small-medium deadwood, epicormic growth
T740	Radiata Pine	<i>Pinus radiata</i>	63	68	16	6	80	3c	7.56	2.81	Retain				kino, borers in loppings, small deadwood
T741	Forest Red Gum	<i>Eucalyptus tereticornis</i>	27	35	9	6	75	2a	3.24	2.13	Retain				kino
T742	Spotted Gum	<i>Corymbia maculata</i>	140	140	22	13	90	2a	16.80	3.81	Retain		V3		
T743	Liquidambar	<i>Liquidambar styraciflua</i>	36	47	9	3	90	2a	4.32	2.41	Remove	Health			small deadwood
T744	Forest Red Gum	<i>Eucalyptus tereticornis</i>	110	100	15	9	80	4c	13.20	3.31	Retain				exposed wood, borers, small-medium deadwood, epicormic growth
T745	Liquidambar	<i>Liquidambar styraciflua</i>	27	30	6	2	90	2a	3.20	2.00	Retain				
T746	Spotted Gum	<i>Corymbia maculata</i>	91	95	22	12	85	2a	10.92	3.24	Remove	Health			kino, small deadwood
T747	Spotted Gum	<i>Corymbia maculata</i>	39	45	23	4	65	4c	4.68	2.37	Retain				exposed wood, borers, kino, small deadwood, narrow canopy, crowded
T748	Radiata Pine	<i>Pinus radiata</i>	58	65	13	5	50	3c	6.96	2.76	Remove	Earthworks			suppressed above, kino, lots small deadwood
T749	Radiata Pine	<i>Pinus radiata</i>	98	98	21	16	70	3c	11.76	3.28	Retain		V2		lots small-medium deadwood, kino, borers
T750	Spotted Gum	<i>Corymbia maculata</i>	58	64	22	12	85	2a	6.96	2.74	Retain				kino, small deadwood
T751	Forest Red Gum	<i>Eucalyptus tereticornis</i>	39	44	20	8	75	3c	4.68	2.34	Retain				bar damage at 1m, lots kino, small deadwood

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T752	Forest Red Gum	<i>Eucalyptus tereticornis</i>	17	24	5	5	50	3c	2.06	1.82	Remove	Health			2x trunks at 0m, very twisted & poor form, epicormic growth
T753	Grey Box	<i>Eucalyptus moluccana</i>	47	54	21	11	70	3c	5.64	2.55	Remove	Health			stressed, lots epicormic growth, small deadwood
T754	Grey Box	<i>Eucalyptus moluccana</i>	75	95	26	16	50	4a	9.00	3.24	Retain		V2		declining, v sparse canopy, lots epicormic growth, lots small & med deadwood
T755	Forest Red Gum	<i>Eucalyptus tereticornis</i>	32	36	16	8	80	2a	3.84	2.15	Retain				small deadwood
T756	Forest Red Gum	<i>Eucalyptus tereticornis</i>	32	40	19	7	80	2a	3.84	2.25	Retain				small deadwood
T757	Forest Red Gum	<i>Eucalyptus tereticornis</i>	17	26	8	6	70	3a	2.04	1.88	Remove	Health			crowded, suppressed, small deadwood, canopy off centre
T758	Two-veined Hickory	<i>Acacia binervata</i>	22	24	7	7	80	4c	2.65	1.82	Retain				borers in all 3 trunks
T759	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	27	31	11	11	80	2a	3.24	2.02	Retain				
T760	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	35	43	22	8	70	3c	4.20	2.32	Remove	Health			stressed, epicormic growth, lots small deadwood
T761	Forest Red Gum	<i>Eucalyptus tereticornis</i>	13	21	5	3	70	4c	2.00	1.72	Retain				crowded, suppressed, canopy off centre exposed wood at 0.3m
T762	Grey Box	<i>Eucalyptus moluccana</i>	65	75	24	14	75	3a	7.80	2.93	Retain		V3		lots med & small deadwood, some epicormic growth, sparse canopy
T763	Grey Box	<i>Eucalyptus moluccana</i>	53	76	24	14	65	3a	6.36	2.95	Retain				sparse canopy, some epicormic growth, lots small & med deadwood
T764	Forest Red Gum	<i>Eucalyptus tereticornis</i>	58	68	20	8	65	3a	6.96	2.81	Remove	Health		Cat-3	lots epicormic growth, sparse canopy, small deadwood
T765	Dead Stag	Dead Stag	43	63	25	8	0	4a	5.16	2.73	Retain				
T766	Forest Red Gum	<i>Eucalyptus tereticornis</i>	20	23	8	4	45	3c	2.40	1.79	Remove	Health		Cat-3	crowded, suppressed, sparse canopy, epicormic growth
T767	Dead Stag	Dead Stag	23	36	8	7	0	4a	2.76	2.15	Remove	Health			
T768	Dead Stag	Dead Stag	34	44	22	7	0	4a	4.08	2.34	Retain				
T769	Forest Red Gum	<i>Eucalyptus tereticornis</i>	44	60	20	8	30	3b	5.26	2.67	Retain				
T770	Forest Red Gum	<i>Eucalyptus tereticornis</i>	23	33	15	8	60	3a	2.76	2.08	Retain				crowded, suppressed, leaning, canopy off centre
T771	Forest Red Gum	<i>Eucalyptus tereticornis</i>	17	23	5	2	50	3b	2.04	1.79	Retain				bark damage & exposed wood 0-3m, main trunk dead above 2m
T772	Forest Red Gum	<i>Eucalyptus tereticornis</i>	17	24	6	4	45	3b	2.06	1.82	Remove	Health			larger trunk dead, bark damage 0-3m, exposed wood, borers in trunk
T773	Dead Stag	Dead Stag	24	30	6	2	0	4a	2.88	2.00	Remove	Health			
T774	Dead Stag	Dead Stag	12	15	8	1	0	4a	2.00	1.49	Retain				
T775	Forest Red Gum	<i>Eucalyptus tereticornis</i>	43	53	22	7	45	3b	5.16	2.53	Remove	Health			crowded, suppressed, leaning, canopy off centre, epicormic growth, 45% canopy
T776	Dead Stag	Dead Stag	28	32	21	3	0	4a	3.36	2.05	Remove	Health			
T777	Dead Stag	Dead Stag	39	43	23	7	0	4a	4.68	2.32	Remove	Health			
T778	Dead Stag	Dead Stag	36	39	24	5	0	4a	4.32	2.23	Remove	Health		Cat-3	
T779	Dead Stag	Dead Stag	39	49	25	6	0	4a	4.68	2.45	Remove	Health			
T780	Dead Stag	Dead Stag	21	25	8	3	0	4a	2.52	1.85	Remove	Health			
T781	Forest Red Gum	<i>Eucalyptus tereticornis</i>	63	80	25	12	40	4c	7.56	3.01	Remove	Health			30% canopy left, epicormic growth, stressed, exposed wood at 1.3m, borers in trunk
T782	Forest Red Gum	<i>Eucalyptus tereticornis</i>	22	31	19	5	35	3b	2.64	2.02	Remove	Health			25% canopy left, epicormic growth, termite mound at base
T783	Grey Box	<i>Eucalyptus moluccana</i>	46	50	25	7	35	4c	5.52	2.47	Remove	Health			30% canopy left, stressed, epicormic growth, exposed wood at base, fungal attack
T784	Forest Red Gum	<i>Eucalyptus tereticornis</i>	30	36	21	3	20	4c	3.60	2.15	Retain			Cat-3	bark damage 0-3m, exposed wood, fungal attack, borers in trunk
T785	Grey Box	<i>Eucalyptus moluccana</i>	33	36	20	6	30	3d	3.96	2.15	Remove	Health			30% canopy left, epicormic growth, small deadwood
T786	Forest Red Gum	<i>Eucalyptus tereticornis</i>	35	43	24	5	30	4c	4.20	2.32	Remove	Health			bark damage 0-3m, exposed wood, thin canopy, epicormic growth
T787	Dead Stag	Dead Stag	17	23	5	4	0	4a	2.04	1.79	Remove	Health			
T788	Forest Red Gum	<i>Eucalyptus tereticornis</i>	64	84	2r	9	30	4a	7.68	3.08	Retain				crowded, canopy off centre, epicormic growth, 25% canopy left
T789	Grey Box	<i>Eucalyptus moluccana</i>	55	75	24	11	50	2a	6.60	2.93	Remove	Dev			50% canopy left, lots epicormic growth, exposed wood on major root, lots small & med deadwood
T790	Grey Box	<i>Eucalyptus moluccana</i>	54	64	24	14	70	2a	6.48	2.74	Retain				lots small & med deadwood, sparse canopy
T791	Radiata Pine	<i>Pinus radiata</i>	42	49	14	8	80	2a	5.04	2.45	Retain				
T792	Bunya Pine	<i>Araucaria bidwilli</i>	55	65	19	12	90	2a	6.60	2.76	Retain				

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T793	a Cypress Pine	<i>Callitris</i> sp.	42	48	9	8	90	2a	5.04	2.43	Retain				
T794	Spotted Gum	<i>Corymbia maculata</i>	65	85	19	16	80	2a	7.80	3.09	Retain				bark damage at base, exposed wood, lots kino
T795	Spotted Gum	<i>Corymbia maculata</i>	87	107	17	15	80	2a	10.44	3.40	Retain				bark damage & exposed wood at base, kino
T796	Radiata Pine	<i>Pinus radiata</i>	44	64	9	10	80	2a	5.28	2.74	Retain				
T797	Willow Bottlebrush	<i>Callistemon salignus</i>	40	58	10	6	80	2a	4.74	2.63	Remove	Health			
T798	Dead Stag	Dead Stag	40	55	9	7	0	4a	4.80	2.57	Remove	Health			
T799	Radiata Pine	<i>Pinus radiata</i>	80	110	17	14	80	2a	9.60	3.44	Retain				
T800	Radiata Pine	<i>Pinus radiata</i>	42	47	20	9	80	2a	5.09	2.41	Retain				
T801	Spotted Gum	<i>Corymbia maculata</i>	41	54	22	11	80	2a	4.92	2.55	Retain				kino, sml deadwood
T802	Spotted Gum	<i>Corymbia maculata</i>	85	92	24	16	85	2a	10.20	3.20	Retain		V2		kino, broken branches
T803	Spotted Gum	<i>Corymbia maculata</i>	62	68	23	14	90	2a	7.44	2.81	Retain		V3		
T804	Radiata Pine	<i>Pinus radiata</i>	60	60	23	5	70	3c	7.20	2.67	Retain				multiple loppings, kino, borers
T805	Spotted Gum	<i>Corymbia maculata</i>	100	115	25	17	90	2a	12.00	3.51	Retain		V2		
T806	Spotted Gum	<i>Corymbia maculata</i>	68	73	23	16	90	2a	8.16	2.90	Retain		V2		
T807	Radiata Pine	<i>Pinus radiata</i>	90	105	24	12	85	2a	10.80	3.38	Retain				loppings, kino, small deadwood
T808	Radiata Pine	<i>Pinus radiata</i>	120	130	24	12	90	2a	14.40	3.69	Remove	Drainage			
T809	Radiata Pine	<i>Pinus radiata</i>	75	87	22	8	80	2a	9.00	3.12	Remove	Drainage			multiple loppings, small deadwood, kino
T810	Forest Red Gum	<i>Eucalyptus tereticornis</i>	30	32	12	3	85	2a	3.60	2.05	Remove	Health			small deadwood
T811	Radiata Pine	<i>Pinus radiata</i>	102	120	22	10	35	4a	12.24	3.57	Retain				multiple loppings, kino, exposed wood, dying canopy, small-medium deadwood
T812	Radiata Pine	<i>Pinus radiata</i>	61	68	23	10	55	3a	7.32	2.81	Retain				multiple loppings, kino, dying canopy, borers
T813	Forest Red Gum	<i>Eucalyptus tereticornis</i>	13	13	5	2	80	2a	2.00	1.40	Remove	Golf Cse			small deadwood
T814	Tallowwood	<i>Eucalyptus microcorys</i>	80	88	23	11	85	2a	9.60	3.14	Retain				small deadwood & broken branch
T815	River Oak	<i>Casuarina cunninghamiana</i>	64	85	23	6	90	2a	7.68	3.09	Retain				
T816	River Oak	<i>Casuarina cunninghamiana</i>	62	80	21	7	85	2a	7.50	3.01	Retain				crowded, small deadwood
T817	River Oak	<i>Casuarina cunninghamiana</i>	14	15	9	2	80	2c	2.00	1.49	Retain				suppressed above, small deadwood
T818	River Oak	<i>Casuarina cunninghamiana</i>	13	14	10	3	80	2c	2.00	1.45	Retain				crowded, lots small deadwood
T819	River Oak	<i>Casuarina cunninghamiana</i>	13	14	9	5	80	2c	2.00	1.45	Retain				leaning canopy, small deadwood
T820	River Oak	<i>Casuarina cunninghamiana</i>	16	20	10	5	85	2c	2.00	1.68	Retain				suppressed above, small deadwood, leaning canopy
T821	Spotted Gum	<i>Corymbia maculata</i>	43	58	21	10	85	2a	5.18	2.63	Retain				
T822	Spotted Gum	<i>Corymbia maculata</i>	77	92	24	15	90	2a	9.24	3.20	Remove	Health	V2		
T823	Spotted Gum	<i>Corymbia maculata</i>	40	50	21	14	70	4c	4.80	2.47	Remove	Health			exposed wood, kino
T824	Spotted Gum	<i>Corymbia maculata</i>	53	63	23	10	70	4a	6.36	2.73	Retain				bracket fungi, exposed wood, small deadwood
T825	Tallowwood	<i>Eucalyptus microcorys</i>	27	32	19	6	90	2a	3.24	2.05	Retain				
T826	Tallowwood	<i>Eucalyptus microcorys</i>	46	51	21	9	85	2a	5.52	2.49	Retain				small deadwood
T827	Forest Red Gum	<i>Eucalyptus tereticornis</i>	24	33	17	6	70	3c	2.88	2.08	Retain				leaning canopy, lots small deadwood, exposed wood
T828	Forest Red Gum	<i>Eucalyptus tereticornis</i>	68	88	20	12	75	3c	8.22	3.14	Retain				kino, small-medium deadwood, competition, broken branches
T829	Tallowwood	<i>Eucalyptus microcorys</i>	53	57	19	9	90	2a	6.36	2.61	Retain				
T830	Tallowwood	<i>Eucalyptus microcorys</i>	70	65	17	8	85	2a	8.40	2.76	Remove	Health			small deadwood
T831	Dead Stag	Dead Stag	38	55	5	4	0	4a	4.50	2.57	Retain				
T832	Forest Red Gum	<i>Eucalyptus tereticornis</i>	17	17	3	1	85	2a	2.04	1.57	Remove	Golf Cse			small deadwood
T833	Rough-barked Apple	<i>Angophora floribunda</i>	36	26	10	3	80	2c	4.30	1.88	Remove	Golf Cse			epicormic growth, lots small deadwood
T834	Rough-barked Apple	<i>Angophora floribunda</i>	32	38	11	5	80	3c	3.84	2.20	Retain				lots small deadwood, kino,
T835	Forest Red Gum	<i>Eucalyptus tereticornis</i>	20	24	7	2	85	2a	2.40	1.82	Remove	Health			small deadwood
T836	Dead Stag	Dead Stag	16	20	3	0	0	4a	2.00	1.68	Remove	Dev			

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T837	Willow Bottlebrush	<i>Callistemon salignus</i>	21	20	3	2	85	2a	2.50	1.68	Remove	Dev			small deadwood
T838	Rough-barked Apple	<i>Angophora floribunda</i>	37	42	10	5	75	2c	4.44	2.30	Remove	Health			suppressed above, lots small deadwood epicormic growth
T839	Forest Red Gum	<i>Eucalyptus tereticornis</i>	75	70	16	8	70	4c	9.00	2.85	Remove	Dev			borers, exposed wood, lots small-medium deadwood
T840	Weeping Bottlebrush	<i>Callistemon viminalis</i>	23	18	11	5	75	3c	2.74	1.61	Remove	Dev			suppressed above, small deadwood, low foliage
T841	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	13	16	4	2	80	2c	2.00	1.53	Remove	Dev			suppressed above, competition, small deadwood
T842	Weeping Bottlebrush	<i>Callistemon viminalis</i>	20	22	11	7	85	2a	2.37	1.75	Remove	Health			small deadwood
T843	River Oak	<i>Casuarina cunninghamiana</i>	66	80	18	10	80	4c	7.92	3.01	Remove	Health			medium broken branch, multiple loppings, borers, small deadwood
T844	Radiata Pine	<i>Pinus radiata</i>	110	130	19	11	75	4c	13.20	3.69	Retain				multiple loppings ,kino, borers in loppings, small-medium deadwood
T845	Brush Box	<i>Lophostemon confertus</i>	34	45	10	4	90	2a	4.13	2.37	Retain				small deadwood
T846	Brush Box	<i>Lophostemon confertus</i>	58	93	16	8	90	2a	6.92	3.21	Retain				
T847	Brush Box	<i>Lophostemon confertus</i>	33	50	9	4	85	2a	3.96	2.47	Remove	Health			small deadwood
T848	Radiata Pine	<i>Pinus radiata</i>	90	110	24	10	45	4a	10.80	3.44	Remove	Health			dying canopy-stag, lots small-medium deadwood, epicormic growth
T849	Radiata Pine	<i>Pinus radiata</i>	35	40	10	1	0	4a	4.20	2.25	Remove	Dev			no foliage, exposed wood, borers
T850	Radiata Pine	<i>Pinus radiata</i>	26	50	5	2	60	3a	3.12	2.47	Retain				heavily leaning canopy, small deadwood,
T851	Radiata Pine	<i>Pinus radiata</i>	63	73	23	10	80	2a	7.56	2.90	Retain				
T852	Radiata Pine	<i>Pinus radiata</i>	43	56	22	8	80	2a	5.16	2.59	Remove	Health			
T853	Radiata Pine	<i>Pinus radiata</i>	56	70	23	10	60	4c	6.72	2.85	Retain				possible lightning strike, bark line removed top to bottom, borers in trunk, lots of kino
T854	Spotted Gum	<i>Corymbia maculata</i>	55	75	21	13	80	2a	6.60	2.93	Retain				
T855	Grey Gum	<i>Eucalyptus punctata</i>	32	37	17	9	90	2a	3.84	2.18	Retain				some bark damage & kino
T856	Forest Red Gum	<i>Eucalyptus tereticornis</i>	16	19	8	4	90	2a	2.00	1.65	Remove	Health			
T857	Grey Gum	<i>Eucalyptus punctata</i>	29	34	15	8	50	4a	3.48	2.10	Retain				extensive damage to bark for 90% of circumference, exposed wood, borers, kino
T858	Cabbage Gum	<i>Eucalyptus amplifolia</i>	31	35	16	9	80	2a	3.72	2.13	Remove	Health			bark damage at base
T859	Grey Gum	<i>Eucalyptus punctata</i>	28	34	16	8	60	4c	3.36	2.10	Remove	Health			extensive bark damage, exposed wood, borers in trunk
T860	Forest Red Gum	<i>Eucalyptus tereticornis</i>	64	74	19	12	45	4c	7.68	2.92	Retain				extensive bark damage 0-4m full circumference, exposed wood, lots kino, leaning 15 degrees, borers in trunk
T861	Radiata Pine	<i>Pinus radiata</i>	62	70	24	13	80	2a	7.44	2.85	Remove	Earthwks	V3		minor bark damage, kino
T862	River Oak	<i>Casuarina cunninghamiana</i>	51	71	23	8	90	2a	6.12	2.87	Retain				
T863	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	48	58	15	13	80	2a	5.76	2.63	Remove	Health			
T864	Radiata Pine	<i>Pinus radiata</i>	54	74	16	9	20	4a	6.48	2.92	Retain				dying, 20% canopy left, bark damage 0-4m, kino, large deadwood
T865	River Oak	<i>Casuarina cunninghamiana</i>	62	82	22	11	70	2a	7.44	3.04	Retain				crowded, canopy off centre, leaning slightly
T866	River Oak	<i>Casuarina cunninghamiana</i>	57	80	24	16	70	2a	6.84	3.01	Retain				2x trunks at 0m, stress splits in bark 0-1.5m, leaning >15 degrees
T867	River Oak	<i>Casuarina cunninghamiana</i>	55	75	23	9	75	2a	6.60	2.93	Retain				crowded, canopy off centre
T868	River Oak	<i>Casuarina cunninghamiana</i>	26	42	20	8	90	2a	3.12	2.30	Retain				
T869	River Oak	<i>Casuarina cunninghamiana</i>	20	30	14	6	80	2a	2.40	2.00	Retain				crowded, slightly suppressed
T870	River Oak	<i>Casuarina cunninghamiana</i>	58	70	24	10	75	2a	6.97	2.85	Retain				2x trunks at 1.5m,med deadwood
T871	River Oak	<i>Casuarina cunninghamiana</i>	14	18	6	3	90	2a	2.00	1.61	Retain				
T872	River Oak	<i>Casuarina cunninghamiana</i>	11	17	12	4	90	2a	2.00	1.57	Retain				
T873	River Oak	<i>Casuarina cunninghamiana</i>	10	14	8	3	90	2a	2.00	1.45	Retain				
T874	River Oak	<i>Casuarina cunninghamiana</i>	11	15	4	5	60	3c	2.00	1.49	Remove	Earthwks			crowded, suppressed, leaning
T875	Tallowwood	<i>Eucalyptus microcorys</i>	24	37	12	11	90	2a	2.88	2.18	Remove	Earthwks			
T876	Forest Red Gum	<i>Eucalyptus tereticornis</i>	61	71	23	13	90	2a	7.32	2.87	Remove	Earthwks	V3		
T877	Forest Red Gum	<i>Eucalyptus tereticornis</i>	38	44	12	7	80	2a	4.56	2.34	Remove	Dev			crowded, canopy off centre
T878	Tallowwood	<i>Eucalyptus microcorys</i>	39	46	16	11	90	2a	4.68	2.39	Remove	Dev			

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T879	Tallowwood	<i>Eucalyptus microcorys</i>	30	38	17	12	90	2a	3.60	2.20	Remove	Dev			
T880	norfolk is pine		46	56	18	7	90	2a	5.52	2.59	Retain				
T881	Grey Box	<i>Eucalyptus moluccana</i>	24	30	14	6	90	2a	2.88	2.00	Retain				
T882	Tallowwood	<i>Eucalyptus microcorys</i>	41	53	22	11	90	2a	4.92	2.53	Retain				
T883	Forest Red Gum	<i>Eucalyptus tereticornis</i>	190	250	27	20	80	2a	22.80	4.86	Retain		V1		
T884	Tallowwood	<i>Eucalyptus microcorys</i>	34	44	19	10	90	2a	4.08	2.34	Retain				
T885	Tallowwood	<i>Eucalyptus microcorys</i>	51	60	24	10	90	2a	6.12	2.67	Remove	Earthwks			
T886	Forest Red Gum	<i>Eucalyptus tereticornis</i>	26	30	9	5	70	2d	3.12	2.00	Retain				poor form, lots small deadwood, sparse canopy
T887	Tallowwood	<i>Eucalyptus microcorys</i>	50	55	22	10	90	2a	6.05	2.57	Retain				
T888	Eucalyptus sp. (planted)	<i>Eucalyptus</i> sp.	18	23	7	6	70	3d	2.16	1.79	Remove	Golf Cse			broken branch at 1m, exposed wood, canopy dieback - 25% left, lots small deadwood
T889	Tallowwood	<i>Eucalyptus microcorys</i>	41	51	16	8	90	2a	4.92	2.49	Retain				crowded
T890	White Mahogany	<i>Eucalyptus acmenoides</i>	47	54	20	11	90	2a	5.64	2.55	Remove	Dev			
T891	Forest Red Gum	<i>Eucalyptus tereticornis</i>	23	29	6	4	90	2a	2.76	1.97	Remove	Dev			
T892	Broad-leaved Hakea	<i>Hakea dactyloides</i>	16	26	3	3	80	3a	2.00	1.88	Remove	Dev			
T893	Spotted Gum	<i>Corymbia maculata</i>	36	46	17	7	90	2a	4.32	2.39	Retain				
T894	Rough-barked Apple	<i>Angophora floribunda</i>	32	35	15	8	80	2a	3.89	2.13	Remove	Dev			
T895	Spotted Gum	<i>Corymbia maculata</i>	20	27	17	6	90	2a	2.40	1.91	Remove	Dev			
T896	Forest Red Gum	<i>Eucalyptus tereticornis</i>	17	20	8	4	80	2a	2.04	1.68	Remove	Health			
T897	Forest Red Gum	<i>Eucalyptus tereticornis</i>	30	36	16	5	45	4c	3.60	2.15	Remove	Dev			extensive bark damage 0-1.5m, exposed wood, kino, borers in trunk, broken 2nd trunk at 2m
T898	Grey Box	<i>Eucalyptus moluccana</i>	16	27	7	4	60	3c	2.00	1.91	Remove	Dev			3x trunks at 0m, crowded, poor form
T899	Grey Box	<i>Eucalyptus moluccana</i>	12	15	5	3	70	3c	2.00	1.49	Remove	Dev			crowded, suppressed, poor form
T900	Spotted Gum	<i>Corymbia maculata</i>	27	27	16	6	55	3b	3.24	1.91	Retain				2x trunks at 1.8m - in the process of failing - lots kino & splits
T901	Radiata Pine	<i>Pinus radiata</i>	90	85	21	11	80	2c	10.80	3.09	Retain				small-medium deadwood, kino-loppings
T902	Grey Gum	<i>Eucalyptus punctata</i>	18	19	6	2	85	2a	2.16	1.65	Retain				
T903	Grey Gum	<i>Eucalyptus punctata</i>	17	21	5	2	85	2a	2.00	1.72	Retain				small deadwood
T904	Grey Gum	<i>Eucalyptus punctata</i>	22	28	8	3	85	2a	2.64	1.94	Remove	Health			kino
T905	Forest Red Gum	<i>Eucalyptus tereticornis</i>	73	75	20	6	10	4a	8.76	2.93	Retain				epicormic growth, dying canopy
T906	Radiata Pine	<i>Pinus radiata</i>	57	59	10	6	85	2a	6.84	2.65	Remove	Health			multiple loppings-kino
T907	Radiata Pine	<i>Pinus radiata</i>	73	73	17	9	70	3b	8.76	2.90	Remove	Health			exposed wood, kino, multiple loppings, large dead branch
T908	Dead Stag	Dead Stag	94	107	15	11	0	4a	11.28	3.40	Remove	Health			
T909	Grey Gum	<i>Eucalyptus punctata</i>	60	55	14	7	80	3b	7.20	2.57	Remove	Golf Cse			small exposed wood, borers, kino, small deadwood
T910	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	37	43	14	8	85	2a	4.44	2.32	Remove	Health			kino
T911	Spotted Gum	<i>Corymbia maculata</i>	25	42	15	5	75	4c	2.95	2.30	Retain				exposed wood, lots small deadwood, kino, leaning canopy
T912	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	44	54	18	9	90	2a	5.28	2.55	Retain				
T913	Forest Red Gum	<i>Eucalyptus tereticornis</i>	21	26	8	2	85	2a	2.52	1.88	Retain				small deadwood
T914	Rough-barked Apple	<i>Angophora floribunda</i>	23	20	6	2	80	3a	2.76	1.68	Retain				small deadwood, kino, exposed wood @ base
T915	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	33	38	17	6	85	2a	3.96	2.20	Retain				small deadwood
T916	Grey Gum	<i>Eucalyptus moluccana</i>	99	103	24	15	80	2c	11.88	3.35	Remove	Dev	V2	Cat-3	lots small deadwood, epicormic growth,
T917	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	86	96	22	11	75	3b	10.32	3.25	Retain			Cat-3	exposed wood, borers, small deadwood, suppressed above
T918	Forest Red Gum	<i>Eucalyptus tereticornis</i>	170	230	29	20	85	2c	20.40	4.70	Remove	Dev	V1		medium-large deadwood
T919	Grey Box	<i>Eucalyptus moluccana</i>	50	52	23	6	70	3c	6.00	2.51	Remove	Dev			narrow canopy, competition, epicormic growth, small deadwood
T920	Forest Red Gum	<i>Eucalyptus tereticornis</i>	39	43	20	7	75	3c	4.68	2.32	Retain				small exposed wood @ base, small deadwood, crowded canopy
T921	Forest Red Gum	<i>Eucalyptus tereticornis</i>	64	80	23	8	85	2a	7.68	3.01	Retain				small deadwood, crowded canopy

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T922	Forest Red Gum	<i>Eucalyptus tereticornis</i>	115	140	24	10	75	3c	13.80	3.81	Retain				heavily leaning canopy, exposed wood on trunk halfway up, small deadwood, crowded canopy
T923	Forest Red Gum	<i>Eucalyptus tereticornis</i>	116	136	24	15	85	2a	13.92	3.77	Remove	Health	V2	Cat-3	small deadwood
T924	Forest Red Gum	<i>Eucalyptus tereticornis</i>	48	68	15	7	80	4c	5.76	2.81	Remove	Health			exposed wood, leaning canopy, suppressed above, small broken branches
T925	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	159	168	23	12	60	4c	19.08	4.12	Retain			Cat-3	1x dead trunk-hollow!, exposed wood, epicormic growth, borers, kino
T926	Forest Red Gum	<i>Eucalyptus tereticornis</i>	110	85	19	9	80	2c	13.20	3.09	Retain				lots small deadwood
T927	Forest Red Gum	<i>Eucalyptus tereticornis</i>	45	48	23	8	85	2a	5.40	2.43	Retain				small deadwood, crowded
T928	Forest Red Gum	<i>Eucalyptus tereticornis</i>	33	39	14	5	75	3b	3.96	2.23	Retain				exposed wood, kino, suppressed above, small deadwood
T929	Forest Red Gum	<i>Eucalyptus tereticornis</i>	100	120	24	11	85	2a	12.00	3.57	Remove	Health		Cat-3	small deadwood
T930	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	75	84	9	4	30	4a	9.00	3.08	Retain			Cat-2	hollow stag, epicormic growth, possible habitat tree
T931	Forest Red Gum	<i>Eucalyptus tereticornis</i>	24	27	11	3	85	2c	2.88	1.91	Retain				suppressed above, small deadwood
T932	Forest Red Gum	<i>Eucalyptus tereticornis</i>	95	120	24	17	80	3c	11.40	3.57	Retain		V2		exposed wood on main trunk, large broken branches, kino
T933	Patula Pine	<i>Pinus patula</i>	50	65	12	7	70	3c	6.00	2.76	Retain				leaning canopy, multiple loppings-kino, small-medium deadwood
T934	Forest Red Gum	<i>Eucalyptus tereticornis</i>	51	55	13	7	85	3c	6.12	2.57	Remove	Health			exposed wood, kino, lots small deadwood,
T935	Forest Red Gum	<i>Eucalyptus tereticornis</i>	96	100	21	8	0	4a	11.53	3.31	Remove	Health			dead canopy, borers, exposed wood
T936	Dead Stag	Dead Stag	26	30	15	4	0	4a	3.12	2.00	Remove	Health			
T937	Dead Stag	Dead Stag	44	90	19	7	0	4a	5.25	3.17	Remove	Health			
T938	Forest Red Gum	<i>Eucalyptus tereticornis</i>	234	270	25	16	75	4c	28.12	5.02	Retain		V2	Cat-2	exposed wood, borers, medium dead trunk spout, small-medium deadwood
T939	Forest Red Gum	<i>Eucalyptus tereticornis</i>	53	63	23	9	75	3c	6.36	2.73	Retain				exposed wood, small deadwood
T940	Forest Red Gum	<i>Eucalyptus tereticornis</i>	63	75	23	8	75	3c	7.55	2.93	Remove	Health			exposed wood, crowded canopy, small deadwood
T941	Forest Red Gum	<i>Eucalyptus tereticornis</i>	38	43	22	7	75	4c	4.56	2.32	Remove	Health			exposed wood, borers, competition-crowded, small deadwood
T942	Grey Gum	<i>Eucalyptus punctata</i>	25	32	11	3	75	4c	3.00	2.05	Retain				exposed wood, borers, small deadwood
T943	Narrow-leaved Apple	<i>Angophora bakeri</i>	45	60	15	6	85	2a	5.35	2.67	Remove	Golf Cse			small deadwood
T944	Rough-barked Apple	<i>Angophora floribunda</i>	35	30	14	4	90	2a	4.20	2.00	Remove	Golf Cse			
T945	Bangalay	<i>Eucalyptus botryoides</i>	46	60	15	6	80	2c	5.52	2.67	Retain				leaning canopy, small deadwood, suppressed above
T946	Forest Red Gum	<i>Eucalyptus tereticornis</i>	58	70	20	8	80	3c	6.92	2.85	Retain				small deadwood, leaning canopy, exposed wood
T947	Swamp Oak	<i>Casuarina glauca</i>	69	90	17	7	90	2a	8.33	3.17	Retain				
T948	Rough-barked Apple	<i>Angophora floribunda</i>	160	280	26	15	70	3c	19.20	5.10	Retain		V2	Cat-1	HT20, possible bat roost
T949	Grey Gum	<i>Eucalyptus punctata</i>	35	38	20	7	90	2a	4.20	2.20	Retain				small deadwood
T950	Radiata Pine	<i>Pinus radiata</i>	40	45	12	4	75	2c	4.80	2.37	Retain				lots small deadwood, kino
T951	Sydney Blue Gum	<i>Eucalyptus saligna</i>	36	42	17	11	90	2a	4.32	2.30	Retain				
T952	Radiata Pine	<i>Pinus radiata</i>	56	76	14	10	80	2a	6.72	2.95	Retain				
T953	Brush Box	<i>Lophostemon confertus</i>	38	65	11	8	90	2a	4.56	2.76	Retain				
T954	Radiata Pine	<i>Pinus radiata</i>	57	77	13	10	80	2a	6.84	2.97	Retain				
T955	Brush Box	<i>Lophostemon confertus</i>	58	78	12	10	90	2a	6.96	2.98	Remove	Dev			
T956	Radiata Pine	<i>Pinus radiata</i>	63	88	20	10	75	2a	7.56	3.14	Remove	Dev			small deadwood
T957	Radiata Pine	<i>Pinus radiata</i>	75	100	19	14	60	3a	9.00	3.31	Remove	Health			lots small & med deadwood, thin canopy, kino
T958	Grey Box	<i>Eucalyptus moluccana</i>	12	14	5	2	50	4c	2.00	1.45	Retain				bark damage & kino 0-1.5m, exposed wood
T959	Radiata Pine	<i>Pinus radiata</i>	86	160	23	15	75	2a	10.32	4.03	Retain		V2		
T960	Grey Gum	<i>Eucalyptus punctata</i>	16	26	4	3	50	3b	2.00	1.88	Retain				4x trunks at 0m, poor form
T961	Grey Box	<i>Eucalyptus moluccana</i>	11	14	5	3	80	2a	2.00	1.45	Retain				
T962	Radiata Pine	<i>Pinus radiata</i>	72	102	24	13	75	3a	8.64	3.34	Retain		V3		lots med & small deadwood
T963	Radiata Pine	<i>Pinus radiata</i>	63	83	14	13	70	2a	7.56	3.06	Retain				

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T964	Radiata Pine	<i>Pinus radiata</i>	47	67	13	9	70	2a	5.64	2.80	Remove	Health			extensively lopped
T965	Radiata Pine	<i>Pinus radiata</i>	92	192	16	15	45	4c	11.04	4.35	Retain				12 x trunks at 2m, 5 trunks dead, poor form
T966	Spotted Gum	<i>Corymbia maculata</i>	30	40	20	9	90	2a	3.60	2.25	Retain				
T967	Rough-barked Apple	<i>Angophora floribunda</i>	19	23	8	5	90	2a	2.28	1.79	Retain				
T968	ScribblyGum	<i>Eucalyptus sclerophylla</i>	30	34	8	8	80	2a	3.63	2.10	Retain				
T969	Spotted Gum	<i>Corymbia maculata</i>	42	55	21	10	90	2a	5.04	2.57	Retain				
T970	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	40	46	20	11	90	2a	4.80	2.39	Retain				
T971	Broad-leaved Ironbark	<i>Eucalyptus fibrosa</i>	48	53	20	10	90	2a	5.76	2.53	Retain				
T972	Spotted Gum	<i>Corymbia maculata</i>	32	44	18	11	90	2a	3.84	2.34	Retain				
T973	Rough-barked Apple	<i>Angophora floribunda</i>	25	33	13	5	80	2a	3.00	2.08	Remove	Health			
T974	Dead Stag	Dead Stag	67	87	7	6	0	4a	8.04	3.12	Retain				
T975	Forest Red Gum	<i>Eucalyptus tereticornis</i>	193	230	25	22	80	2a	23.10	4.70	Retain		V1	Cat-3	some med deadwood - with hollows 2x 0-5
T976	Forest Red Gum	<i>Eucalyptus tereticornis</i>	44	55	20	11	90	2a	5.28	2.57	Retain				
T977	Forest Red Gum	<i>Eucalyptus tereticornis</i>	26	32	13	6	65	3c	3.12	2.05	Retain				crowded, suppressed, epicormic growth, med deadwood, canopy off centre
T978	White Mahogany	<i>Eucalyptus acmenoides</i>	21	21	4	3	60	3c	2.46	1.72	Retain				crowded, suppressed, poor form, epicormic growth, small & medium deadwood
T979	Forest Red Gum	<i>Eucalyptus tereticornis</i>	37	47	20	12	80	2a	4.44	2.41	Remove	Dev			leaning slightly
T980	Forest Red Gum	<i>Eucalyptus tereticornis</i>	35	50	17	12	75	2a	4.20	2.47	Retain				crowded, canopy off centre
T981	Forest Red Gum	<i>Eucalyptus tereticornis</i>	21	27	12	8	70	2a	2.52	1.91	Retain				crowded, canopy off centre, small deadwood
T982	Forest Red Gum	<i>Eucalyptus tereticornis</i>	66	86	20	14	90	2a	7.92	3.11	Retain				
T983	Forest Red Gum	<i>Eucalyptus tereticornis</i>	48	58	19	7	75	2a	5.76	2.63	Retain				crowded, canopy off centre, med deadwood
T984	Forest Red Gum	<i>Eucalyptus tereticornis</i>	20	24	7	5	50	2c	2.40	1.82	Retain				crowded, canopy off centre, poor form, small deadwood
T985	Forest Red Gum	<i>Eucalyptus tereticornis</i>	48	68	21	14	80	2a	5.76	2.81	Retain				
T986	Forest Red Gum	<i>Eucalyptus tereticornis</i>	44	58	22	10	90	2a	5.28	2.63	Retain				
T987	Sickle Leaved Acacia	<i>Acacia falcata</i>	12	14	4	4	75	3a	2.00	1.45	Retain				
T988	Hickory Wattle	<i>Acacia implexa</i>	17	20	8	3	90	3a	2.04	1.68	Retain				
T989	Hickory Wattle	<i>Acacia implexa</i>	40	60	9	9	30	3c	4.80	2.67	Retain				30% canopy left, very poor form
T990	Forest Red Gum	<i>Eucalyptus tereticornis</i>	70	100	23	18	80	2a	8.40	3.31	Retain		V2		
T991	Forest Red Gum	<i>Eucalyptus tereticornis</i>	60	75	20	13	80	2a	7.22	2.93	Remove	Health			
T992	Patula Pine	<i>Pinus patula</i>	37	49	14	10	25	4a	4.44	2.45	Retain				declining, stressed, crowded, 25% canopy left, lots deadwood
T993	Forest Red Gum	<i>Eucalyptus tereticornis</i>	50	57	20	13	80	2a	5.99	2.61	Retain				crowded
T994	Patula Pine	<i>Pinus patula</i>	52	72	13	9	80	2a	6.24	2.88	Retain				
T995	Forest Red Gum	<i>Eucalyptus tereticornis</i>	68	78	20	15	75	3c	8.16	2.98	Retain				bark damage 0-1.5m, kino, canopy off centre, crowded
T996	Forest Red Gum	<i>Eucalyptus tereticornis</i>	64	74	23	9	80	2a	7.68	2.92	Retain				slight lean at base
T997	Forest Red Gum	<i>Eucalyptus tereticornis</i>	75	87	24	15	80	3a	9.00	3.12	Remove	Health	V2		minor bark damage, kino, exposed wood at 3m
T998	Forest Red Gum	<i>Eucalyptus tereticornis</i>	16	25	7	3	30	4a	2.00	1.85	Remove	Health			crowded, suppressed, exposed wood at 2m, borers in trunk
T999	Forest Red Gum	<i>Eucalyptus tereticornis</i>	19	24	8	4	30	4c	2.28	1.82	Retain				crowded, suppressed, bark damage at 2m, exposed wood, termites in trunk
T1000	Forest Red Gum	<i>Eucalyptus tereticornis</i>	130	160	24	18	55	3c	15.60	4.03	Remove	Health	V2		exposed wood at many loppings, kino, 2x major branch failures
T1001	Forest Red Gum	<i>Eucalyptus tereticornis</i>	82	93	24	24	55	4c	9.84	3.21	Retain		V2		Over-mature, bark damage 0-5m, exposed wood
T1002	Forest Red Gum	<i>Eucalyptus tereticornis</i>	43	48	24	12	90	2a	5.16	2.43	Retain				
T1003	White Mahogany	<i>Eucalyptus acmenoides</i>	37	44	20	11	80	2a	4.44	2.34	Retain				crowded, canopy off centre
T1004	Forest Red Gum	<i>Eucalyptus tereticornis</i>	22	26	9	6	50	3c	2.64	1.88	Retain				crowded, suppressed, canopy off centre, 25% of canopy left, lots small deadwood

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T1005	Prickly-leaved Tea Tree	<i>Melaleuca stypheloides</i>	20	25	11	6	90	2a	2.40	1.85	Remove	Golf Cse			
T1006	Bangalay	<i>Eucalyptus botryoides</i>	65	95	21	14	90	2a	7.80	3.24	Retain		V3		
T1007	Forest Red Gum	<i>Eucalyptus tereticornis</i>	78	98	18	16	65	2a	9.36	3.28	Remove	Earthwks			stressed, lots epicormic growth, exposed wood at 1.5m, bark damage 0-4m, kino, med deadwood
T1008	Forest Red Gum	<i>Eucalyptus tereticornis</i>	140	180	28	24	80	2a	16.80	4.24	Retain		V1	Cat-3	some small & med deadwood
T1009	Mulberry Tree	<i>Morus alba</i>	30	38	8	7	80	3a	3.57	2.20	Retain				
T1010	Forest Red Gum	<i>Eucalyptus tereticornis</i>	79	100	24	14	80	2a	9.51	3.31	Retain		V3		
T1011	Forest Red Gum	<i>Eucalyptus tereticornis</i>	55	65	20	10	80	2a	6.60	2.76	Remove	Dev			2x trunks at 2m
T1012	Rough-barked Apple	<i>Angophora floribunda</i>	72	85	23	15	80	2a	8.64	3.09	Retain		V2		
T1013	Forest Red Gum	<i>Eucalyptus tereticornis</i>	84	98	16	12	85	2a	10.08	3.28	Retain				lots of small and medium dead wood
T1014	Grey Box	<i>Eucalyptus moluccana</i>	27	43	8	8	65	2c	3.23	2.32	Retain				cut stump at base, exposed wood, poor form
T1015	Forest Red Gum	<i>Eucalyptus tereticornis</i>	63	68	18	12	75	2a	7.56	2.81	Remove	Health			lots of small dead wood
T1016	Narrow-leaved Apple	<i>Angophora bakeri</i>	15	27	5	4	35	4a	2.00	1.91	Retain				termites in trunk, only 30% canopy, lots of dead wood
T1017	Forest Red Gum	<i>Eucalyptus tereticornis</i>	120	160	25	17	75	2a	14.40	4.03	Retain		V1		lots of small dead wood, exposed wood at 1.5m, over mature
T1018	Grey Box	<i>Eucalyptus moluccana</i>	47	46	15	9	75	2d	5.64	2.39	Retain				lightning damage, exposed wood on underside of most branches
T1019	Willow Bottlebrush	<i>Callistemon salignus</i>	25	45	5	6	75	2a	3.00	2.37	Remove	Health			small dead wood
T1020	River Oak	<i>Casuarina cunninghamiana</i>	67	107	22	9	25	4a	8.04	3.41	Retain		V3		exposed wood to 2.5m, borers in trunk to 4m
T1021	River Oak	<i>Casuarina cunninghamiana</i>	63	93	22	9	80	2a	7.56	3.21	Retain		V3		
T1022	Tallowwood	<i>Eucalyptus microcorys</i>	17	34	5	6	80	2a	2.04	2.10	Remove	Drainage			
T1023	River Oak	<i>Casuarina cunninghamiana</i>	13	18	8	4	80	2a	2.00	1.61	Retain				
T1024	River Oak	<i>Casuarina cunninghamiana</i>	10	18	13	4	90	2a	2.00	1.61	Remove	Drainage			
T1025	River Oak	<i>Casuarina cunninghamiana</i>	14	25	8	4	85	2a	2.00	1.85	Remove	Drainage			
T1026	River Oak	<i>Casuarina cunninghamiana</i>	10	16	14	3	90	2a	2.00	1.53	Remove	Drainage			
T1027	River Oak	<i>Casuarina cunninghamiana</i>	11	23	8	4	85	2a	2.00	1.79	Remove	Drainage			
T1028	River Oak	<i>Casuarina cunninghamiana</i>	10	23	11	4	90	2a	2.00	1.79	Remove	Drainage			
T1029	River Oak	<i>Casuarina cunninghamiana</i>	11	23	9	3	85	2a	2.00	1.79	Remove	Drainage			
T1030	River Oak	<i>Casuarina cunninghamiana</i>	22	32	18	7	90	2a	2.64	2.05	Remove	Drainage			
T1031	River Oak	<i>Casuarina cunninghamiana</i>	20	38	11	5	85	2a	2.40	2.20	Retain				
T1032	River Oak	<i>Casuarina cunninghamiana</i>	10	16	13	4	85	2a	2.00	1.53	Remove	Health			
T1033	River Oak	<i>Casuarina cunninghamiana</i>	16	36	11	5	65	4c	2.00	2.16	Remove	Drainage			large borer hole at base
T1034	River Oak	<i>Casuarina cunninghamiana</i>	10	19	12	5	90	2a	2.00	1.65	Remove	Drainage			
T1035	River Oak	<i>Casuarina cunninghamiana</i>	14	24	10	5	80	2a	2.00	1.82	Remove	Drainage			
T1036	River Oak	<i>Casuarina cunninghamiana</i>	17	27	12	5	90	2a	2.04	1.91	Remove	Drainage			
T1037	River Oak	<i>Casuarina cunninghamiana</i>	19	34	11	5	80	2a	2.31	2.10	Remove	Drainage			
T1038	River Oak	<i>Casuarina cunninghamiana</i>	26	36	14	7	90	2a	3.12	2.16	Remove	Drainage			
T1039	River Oak	<i>Casuarina cunninghamiana</i>	15	29	10	5	80	2a	2.00	1.97	Remove	Drainage			
T1040	River Oak	<i>Casuarina cunninghamiana</i>	14	24	8	5	90	2a	2.00	1.82	Remove	Health			
T1041	River Oak	<i>Casuarina cunninghamiana</i>	14	31	10	5	40	4a	2.00	2.02	Remove	Health			borers in trunk
T1042	River Oak	<i>Casuarina cunninghamiana</i>	18	28	12	6	65	4a	2.16	1.94	Remove	Health			borers in lower trunk, lots chewed wood at base
T1043	River Oak	<i>Casuarina cunninghamiana</i>	17	27	11	5	65	4a	2.04	1.91	Retain				borers in trunk
T1044	River Oak	<i>Casuarina cunninghamiana</i>	12	22	8	4	80	2a	2.00	1.75	Remove	Drainage			
T1045	River Oak	<i>Casuarina cunninghamiana</i>	12	19	11	4	80	2a	2.00	1.65	Remove	Health			
T1046	River Oak	<i>Casuarina cunninghamiana</i>	21	35	16	7	65	4a	2.52	2.13	Remove	Drainage			borers in base
T1047	River Oak	<i>Casuarina cunninghamiana</i>	20	50	12	5	85	2a	2.40	2.47	Remove	Health			
T1048	River Oak	<i>Casuarina cunninghamiana</i>	25	32	15	7	70	4c	3.03	2.05	Remove	Drainage			large borers in base, lots borer chewings

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Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T1049	River Oak	<i>Casuarina cunninghamiana</i>	19	43	9	6	75	2a	2.29	2.32	Retain				
T1050	River Oak	<i>Casuarina cunninghamiana</i>	18	24	11	5	80	2a	2.16	1.82	Remove	Drainage			
T1051	River Oak	<i>Casuarina cunninghamiana</i>	16	26	10	6	80	2a	2.00	1.88	Retain				
T1052	River Oak	<i>Casuarina cunninghamiana</i>	13	22	12	4	80	2a	2.00	1.75	Remove	Drainage			
T1053	River Oak	<i>Casuarina cunninghamiana</i>	14	31	8	5	80	2a	2.00	2.02	Retain				
T1054	River Oak	<i>Casuarina cunninghamiana</i>	15	28	11	4	90	2a	2.00	1.94	Remove	Drainage			
T1055	River Oak	<i>Casuarina cunninghamiana</i>	16	27	9	6	80	2a	2.00	1.91	Remove	Health			
T1056	Forest Red Gum	<i>Eucalyptus tereticornis</i>	63	75	23	14	35	4a	7.58	2.93	Retain		V2		2x trunks at 0.3m, bark separation, borers in trunk to 2m, lots kino
T1057	River Oak	<i>Casuarina cunninghamiana</i>	19	27	11	7	85	2a	2.28	1.91	Retain				
T1058	River Oak	<i>Casuarina cunninghamiana</i>	13	22	11	4	90	2a	2.00	1.75	Retain				
T1059	River Oak	<i>Casuarina cunninghamiana</i>	15	22	9	6	80	2a	2.00	1.75	Remove	Health			
T1060	River Oak	<i>Casuarina cunninghamiana</i>	26	38	11	9	40	4c	3.12	2.20	Retain				1x major branch fail, exposed wood at 1m, borers in trunk
T1061	River Oak	<i>Casuarina cunninghamiana</i>	13	20	6	5	80	2a	2.00	1.68	Retain				
T1062	River Oak	<i>Casuarina cunninghamiana</i>	23	39	16	9	80	2a	2.76	2.23	Retain				
T1063	River Oak	<i>Casuarina cunninghamiana</i>	11	18	7	4	80	2a	2.00	1.61	Retain				
T1064	River Oak	<i>Casuarina cunninghamiana</i>	20	30	10	5	90	2a	2.40	2.00	Retain				
T1065	River Oak	<i>Casuarina cunninghamiana</i>	12	18	8	5	80	2a	2.00	1.61	Remove	Wetland			
T1066	River Oak	<i>Casuarina cunninghamiana</i>	13	21	8	3	90	2a	2.00	1.72	Retain				
T1067	River Oak	<i>Casuarina cunninghamiana</i>	10	15	7	4	75	2a	2.00	1.49	Remove	Wetland			
T1068	cabbage gum	<i>Eucalyptus amplifolia?</i>	47	67	23	15	80	2a	5.64	2.80	Retain		V2		
T1069	River Oak	<i>Casuarina cunninghamiana</i>	12	19	7	4	75	2a	2.00	1.65	Retain				
T1070	River Oak	<i>Casuarina cunninghamiana</i>	13	26	8	5	90	2a	2.00	1.88	Retain				
T1071	River Oak	<i>Casuarina cunninghamiana</i>	31	44	9	9	75	3c	3.76	2.34	Remove	Wetland			poor form due to branch structure
T1072	Cabbage Gum	<i>Eucalyptus amplifolia</i>	24	34	9	7	50	3b	2.83	2.10	Retain				regrown from cut stump, exposed wood 0-1m, termites in trunk
T1073	River Oak	<i>Casuarina cunninghamiana</i>	11	14	7	4	75	2a	2.00	1.45	Retain				
T1074	Grey Box	<i>Eucalyptus moluccana</i>	19	30	12	5	80	3c	2.24	2.00	Retain				3x trunks at 0.2m, crowded
T1075	River Oak	<i>Casuarina cunninghamiana</i>	11	15	8	2	75	2a	2.00	1.49	Retain				
T1076	Grey Box	<i>Eucalyptus moluccana</i>	21	26	10	5	80	2a	2.55	1.88	Retain				
T1077	River Oak	<i>Casuarina cunninghamiana</i>	18	32	12	4	75	2a	2.16	2.05	Retain				
T1078	Forest Red Gum	<i>Eucalyptus tereticornis</i>	24	32	20	5	80	2a	2.88	2.05	Retain				
T1079	River Oak	<i>Casuarina cunninghamiana</i>	16	26	10	4	75	2a	2.00	1.88	Retain				Some small dead wood
T1080	Cabbage Gum	<i>Eucalyptus amplifolia</i>	42	45	18	11	80	2a	5.06	2.37	Retain				
T1081	River Oak	<i>Casuarina cunninghamiana</i>	12	15	8	4	70	2a	2.00	1.49	Retain				small dead wood
T1082	Hickory Wattle	<i>Acacia implexa</i>	14	21	4	3	90	3a	2.00	1.72	Retain				
T1083	River Oak	<i>Casuarina cunninghamiana</i>	18	30	10	6	75	2a	2.12	2.00	Retain				small dead wood
T1084	Hickory Wattle	<i>Acacia implexa</i>	20	25	9	7	80	3a	2.36	1.85	Retain				
T1085	River Oak	<i>Casuarina cunninghamiana</i>	11	18	9	4	75	2a	2.00	1.61	Retain				
T1086	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	40	45	7	4	70	2a	4.86	2.37	Retain				
T1087	Forest Red Gum	<i>Eucalyptus tereticornis</i>	19	27	12	6	75	2a	2.28	1.91	Retain				Medium dead wood
T1088	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	24	33	5	2	60	3c	2.88	2.08	Retain				severely pruned, most of canopy is gone
T1089	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	13	17	6	5	75	2a	2.00	1.57	Retain				
T1090	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	19	24	12	6	90	2a	2.28	1.82	Retain				
T1091	Cabbage Gum	<i>Eucalyptus amplifolia</i>	16	18	12	5	75	2a	2.00	1.61	Retain				
T1092	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	12	18	7	5	90	2a	2.00	1.61	Retain				
T1093	Cabbage Gum	<i>Eucalyptus amplifolia</i>	16	20	11	4	75	2a	2.00	1.68	Retain				

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T1094	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	22	26	10	4	90	2a	2.64	1.88	Retain				
T1095	Cabbage Gum	<i>Eucalyptus amplifolia</i>	10	13	7	4	70	2a	2.00	1.41	Retain				
T1096	River Oak	<i>Casuarina cunninghamiana</i>	33	36	14	8	80	2a	4.01	2.16	Retain				
T1097	Cabbage Gum	<i>Eucalyptus amplifolia</i>	22	27	9	7	75	2a	2.64	1.91	Retain				
T1098	River Oak	<i>Casuarina cunninghamiana</i>	17	22	8	5	90	2a	2.04	1.75	Retain				
T1099	Forest Red Gum	<i>Eucalyptus tereticornis</i>	28	43	14	7	75	2a	3.36	2.32	Retain				
T1100	Cabbage Gum	<i>Eucalyptus amplifolia</i>	22	27	16	13	90	2a	2.64	1.91	Retain				
T1101	Forest Red Gum	<i>Eucalyptus tereticornis</i>	18	24	20	7	80	2a	2.16	1.82	Retain				
T1102	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	18	24	7	4	90	2a	2.16	1.82	Retain				
T1103	Hickory Wattle	<i>Acacia implexa</i>	12	16	9	4	80	2a	2.00	1.53	Retain				small dead wood
T1104	River Oak	<i>Casuarina cunninghamiana</i>	17	23	7	7	80	2a	2.04	1.79	Retain				
T1105	Forest Red Gum	<i>Eucalyptus tereticornis</i>	36	64	19	8	80	2a	4.33	2.74	Retain				
T1106	River Oak	<i>Casuarina cunninghamiana</i>	69	75	18	15	80	2a	8.24	2.93	Retain		V3		
T1107	Hickory Wattle	<i>Acacia implexa</i>	10	12	4	5	40	3b	2.00	1.36	Retain				on a bad lean, almost horizontal
T1108	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	26	29	8	4	85	2a	3.12	1.97	Retain				
T1109	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	12	14	10	4	75	2a	2.00	1.45	Retain				
T1110	River Oak	<i>Casuarina cunninghamiana</i>	42	55	22	12	75	2a	4.98	2.58	Retain				
T1111	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	19	45	9	6	75	2a	2.33	2.37	Retain				
T1112	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	28	26	8	5	85	2a	3.31	1.88	Retain				
T1113	Forest Red Gum	<i>Eucalyptus tereticornis</i>	21	25	24	6	80	2a	2.52	1.85	Retain		V3		
T1114	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	12	16	8	4	80	2a	2.00	1.53	Remove	Health			
T1115	Forest Red Gum	<i>Eucalyptus tereticornis</i>	22	27	22	6	45	4a	2.64	1.91	Retain				borers in trunk
T1116	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	14	19	6	3	90	2a	2.00	1.65	Retain				
T1117	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	10	14	8	2	80	2a	2.00	1.45	Retain				small dead wood
T1118	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	16	20	12	4	80	2a	2.00	1.68	Retain				crowded
T1119	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	12	16	9	3	80	2a	2.00	1.53	Retain				small dead wood
T1120	Forest Red Gum	<i>Eucalyptus tereticornis</i>	29	32	23	10	90	2a	3.48	2.05	Retain		V3		
T1121	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	15	18	6	4	75	2d	2.00	1.61	Retain				exposed wood at 1.5m, small dead wood
T1122	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	12	15	12	4	90	2a	2.00	1.49	Retain				
T1123	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	11	14	7	2	80	2a	2.00	1.45	Retain				
T1124	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	26	26	9	5	90	2a	3.08	1.88	Remove	Health			
T1125	Cabbage Gum	<i>Eucalyptus amplifolia</i>	21	30	16	5	60	4a	2.52	2.00	Retain				head fallen out, lots of dead wood, photo taken
T1126	Forest Red Gum	<i>Eucalyptus tereticornis</i>	28	33	22	9	80	2a	3.36	2.08	Retain				crowded
T1127	Cabbage Gum	<i>Eucalyptus amplifolia</i>	13	16	17	4	75	2a	2.00	1.53	Retain				small dead wood
T1128	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	17	25	7	4	85	2a	2.05	1.85	Retain				
T1129	Grey Box	<i>Eucalyptus moluccana</i>	21	28	10	6	80	2a	2.52	1.94	Retain				small dead wood
T1130	Forest Red Gum	<i>Eucalyptus tereticornis</i>	27	33	23	9	80	2a	3.24	2.08	Retain		V3		
T1131	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	16	24	9	4	70	2a	2.00	1.82	Retain				
T1132	Prickly Leaved Tea-tree	<i>Melaleuca stypheloides</i>	25	32	7	4	90	2a	3.04	2.05	Retain				
T1133	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	38	48	20	10	0	2a	4.56	2.43	Retain				
T1134	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	36	39	23	12	80	2a	4.32	2.23	Retain				
T1135	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	13	17	7	2	80	2a	2.00	1.57	Retain				
T1136	Grey Box	<i>Eucalyptus moluccana</i>	37	40	23	13	85	2a	4.44	2.25	Retain		V3		
T1137	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	15	17	8	5	70	2b	2.00	1.57	Retain				significant lean
T1138	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	24	28	22	11	90	2a	2.88	1.94	Retain				

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T1139	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	36	45	22	11	80	2a	4.32	2.37	Retain				small dead wood
T1140	Bangalay	<i>Eucalyptus botryoides</i>	40	36	12	10	85	2a	4.75	2.16	Remove	Health			
T1141	Dead Stag	Dead Stag	13	16	10	5	0	4a	2.00	1.53	Retain				dead
T1142	Grey Gum	<i>Eucalyptus punctata</i>	52	72	18	12	70	2a	6.24	2.88	Retain				damaged on north side by many golf ball strikes
T1143	Forest Red Gum	<i>Eucalyptus tereticornis</i>	12	14	5	4	75	2a	2.00	1.45	Retain				
T1144	Radiata Pine	<i>Pinus radiata</i>	87	125	23	9	80	2a	10.44	3.64	Retain		V2		
T1145	Thin-leaved Stringybark	<i>Eucalyptus eugenioides</i>	40	60	22	12	75	2a	4.80	2.67	Retain				small dead wood
T1146	Radiata Pine	<i>Pinus radiata</i>	65	92	15	12	80	2a	7.80	3.20	Retain				
T1147	Radiata Pine	<i>Pinus radiata</i>	54	75	22	6	70	2a	6.51	2.93	Remove	Drainage			small dead wood
T1148	Radiata Pine	<i>Pinus radiata</i>	87	125	21	13	80	2a	10.44	3.64	Retain		V2		
T1149	Forest Red Gum	<i>Eucalyptus tereticornis</i>	30	35	9	6	80	2a	3.60	2.13	Remove	Health			small dead wood
T1150	Bangalay	<i>Eucalyptus botryoides</i>	55	38	9	10	60	4c	6.56	2.20	Retain				borers in 3x trunks, exposed wood, poor form
T1151	Radiata Pine	<i>Pinus radiata</i>	57	67	15	11	80	2a	6.84	2.80	Remove	Earthwks			
T1152	Radiata Pine	<i>Pinus radiata</i>	50	65	20	12	80	2a	6.00	2.76	Remove	Drainage			
T1153	Forest Red Gum	<i>Eucalyptus tereticornis</i>	22	34	8	6	75	2a	2.64	2.10	Remove	Health			
T1154	Forest Red Gum	<i>Eucalyptus tereticornis</i>	36	39	22	7	70	4c	4.32	2.23	Retain				borers in trunk, crowded, leaning, canopy off centre
T1155	Bangalay	<i>Eucalyptus botryoides</i>	37	75	12	9	75	2a	4.44	2.93	Retain				
T1156	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	38	44	23	12	90	2a	4.56	2.34	Remove	Drainage			
T1157	Forest Red Gum	<i>Eucalyptus tereticornis</i>	27	32	16	7	75	2a	3.24	2.05	Remove	Health			
T1158	Dead Stag	Dead Stag	24	28	18	4	0	4a	2.88	1.94	Remove	Health			
T1159	Radiata Pine	<i>Pinus radiata</i>	57	97	24	8	0	4a	6.84	3.27	Retain				dead
T1160	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	22	27	20	6	80	2d	2.64	1.91	Retain				crowded
T1161	Bangalay	<i>Eucalyptus botryoides</i>	42	47	8	10	75	2a	5.02	2.41	Remove	Health			
T1162	Dead Stag	Dead Stag	50	60	7	2	0	4a	6.00	2.67	Remove	Earthwks			
T1163	Radiata Pine	<i>Pinus radiata</i>	87	76	12	11	0	2a	10.44	2.95	Remove	Health			lots of small dead wood
T1164	Cabbage Gum	<i>Eucalyptus amplifolia</i>	18	23	9	3	40	4c	2.16	1.79	Retain				borers in base, exposed wood at 0m and 1.5m
T1165	Forest Red Gum	<i>Eucalyptus tereticornis</i>	37	48	14	8	65	2b	4.44	2.43	Remove	Health			borers in trunk
T1166	Dead Stag	Dead Stag	80	120	20	12	0	4a	9.60	3.57	Retain				
T1167	Forest Red Gum	<i>Eucalyptus tereticornis</i>	29	34	22	7	80	2a	3.48	2.10	Retain				small dead wood
T1168	Forest Red Gum	<i>Eucalyptus tereticornis</i>	74	95	21	14	85	2a	8.88	3.24	Retain		V2		
T1169	Radiata Pine	<i>Pinus radiata</i>	40	57	24	7	80	2a	4.80	2.61	Retain				small dead wood
T1170	Grey Box	<i>Eucalyptus moluccana</i>	51	61	22	14	80	2a	6.12	2.69	Retain		V3		
T1171	Narrow-leaved Ironbark	<i>Eucalyptus crebra</i>	19	24	20	7	80	2a	2.28	1.82	Remove	Health			small dead wood
T1172	Forest Red Gum	<i>Eucalyptus tereticornis</i>	52	56	22	14	65	4c	6.24	2.59	Retain		V3		exposed wood 0-1.5m, termites in trunk, crowded
T1173	Forest Red Gum	<i>Eucalyptus tereticornis</i>	49	62	24	12	80	2a	5.88	2.71	Retain		V3		
T1174	Forest Red Gum	<i>Eucalyptus tereticornis</i>	75	85	23	13	80	2a	9.00	3.09	Remove	Earthwks	V2		
T1175	Forest Red Gum	<i>Eucalyptus tereticornis</i>	12	16	4	3	75	2a	2.00	1.53	Retain				
T1176	Jacaranda	<i>Jacaranda mimosifolia</i>	43	34	7	8	80	2a	5.14	2.10	Remove	Earthwks			
T1177	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	41	52	22	10	80	2a	4.92	2.52	Retain				
T1178	Grey Box	<i>Eucalyptus moluccana</i>	135	155	25	13	70	3d	16.20	3.98	Remove	Earthwks	V1		1x major trunk dead, hollows, Recently dropped major branches
T1179	Forest Red Gum	<i>Eucalyptus tereticornis</i>	102	122	26	16	80	2a	12.24	3.60	Remove	Earthwks	V1		exposed wood underside of branch 12m
T1180	River Oak	<i>Casuarina cunninghamiana</i>	49	50	23	12	85	2a	5.86	2.47	Remove	Earthwks			2x trunks at 0m
T1181	Forest Red Gum	<i>Eucalyptus tereticornis</i>	71	86	10	6	65	2d	8.52	3.11	Remove	Earthwks			dead wood, exposed wood at 6m, epicormic growth
T1182	River Oak	<i>Casuarina cunninghamiana</i>	25	36	16	7	80	2a	3.00	2.16	Retain				
T1183	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	71	87	25	10	80	2a	8.52	3.12	Remove	Earthwks	V2		

No 13 Park Road, Wallacia

Tag No.	Common Name	Scientific Name	DBH	BD (cm)	Height (m)	Spread (m)	Vigour (%)	SULE	TPZ Radius (m)	SRZ Radius (m)	Ret/Rem	Reason	Visual Sig	Habitat Tree	Comments
T1184	Bleeding Heart	<i>Homalanthus populifolius</i>	36	40	8	9	90	2a	4.32	2.25	Retain				
T1185	Forest Red Gum	<i>Eucalyptus tereticornis</i>	85	102	26	16	80	2a	10.20	3.34	Remove	Golf Cse	V1		
T1186	Rough-barked Apple	<i>Angophora floribunda</i>	35	55	23	9	75	2c	4.20	2.58	Retain				crowded, canopy off centre
T1187	Thin-leaved Stringybark	<i>Eucalyptus eugenoides</i>	54	64	9	9	65	2d	6.48	2.74	Retain				dead wood at top of tree
T1188	River Oak	<i>Casuarina cunninghamiana</i>	40	57	26	9	80	2a	4.80	2.61	Remove	Earthwks	V3		
T1189	Radiata Pine	<i>Pinus radiata</i>	52	82	22	11	80	2a	6.24	3.05	Remove	Golf Cse			
T1190	River Oak	<i>Casuarina cunninghamiana</i>	38	44	23	10	90	2a	4.56	2.34	Retain				
T1191	Radiata Pine	<i>Pinus radiata</i>	42	56	14	9	75	2b	5.04	2.59	Remove	Weed			lots of small/medium dead wood
T1192	Camphor Laurel	<i>Cinnamomum camphora</i>	93	115	22	16	90	2a	11.16	3.51	Retain		V1		exotic
T1193	Radiata Pine	<i>Pinus radiata</i>	55	67	18	12	80	2a	6.60	2.80	Remove	Health			
T1194	River Oak	<i>Casuarina cunninghamiana</i>	22	24	7	8	70	4a	2.64	1.82	Remove	Earthwks			lots of small/medium deadwood
T1194a	River Oak	<i>Cinnamomum camphora</i>	147	140	24	16	80	2a	17.64	3.81	Remove	Earthwks	V1		
T1195	River Oak	<i>Casuarina cunninghamiana</i>	37	54	26	11	80	2a	4.44	2.56	Remove	Golf Cse			
T1196	River Oak	<i>Casuarina cunninghamiana</i>	20	24	20	6	90	2a	2.40	1.82	Remove	Earthwks			
T1197	River Oak	<i>Casuarina cunninghamiana</i>	29	47	24	8	75	2a	3.48	2.41	Remove	Golf Cse	V3		lots of small/medium dead wood
T1198	River Oak	<i>Casuarina cunninghamiana</i>	24	32	12	5	75	2a	2.88	2.05	Remove	Earthwks			
T1199	River Oak	<i>Casuarina cunninghamiana</i>	16	28	7	5	75	2d	2.00	1.94	Remove	Golf Cse			lots of small/medium deadwood
T1200	River Oak	<i>Casuarina cunninghamiana</i>	36	32	18	8	90	2a	4.34	2.05	Remove	Health			
T1201	Forest Red Gum	<i>Eucalyptus tereticornis</i>	32	47	24	11	70	4a	3.84	2.41	Remove	Earthwks	V3		large splits in bark up to 3m
T1202	White Cedar	<i>Melia azedarach</i>	33	37	6	8	90	2a	3.91	2.18	Remove	Golf Cse			
T1203	River Oak	<i>Casuarina cunninghamiana</i>	58	78	23	7	75	2d	6.96	2.98	Retain		V3		large/small deadwood
T1204	a Cypress Pine	<i>Callitris sp.</i>	28	45	6	4	80	2a	3.40	2.37	Retain				
T1205	White Cedar	<i>Melia azedarach</i>	31	46	6	6	80	2a	3.72	2.39	Remove	Earthwks			
T1206	White Cedar	<i>Melia azedarach</i>	23	38	5	4	90	2a	2.76	2.20	Remove	Earthwks			
T1207	White Cedar	<i>Melia azedarach</i>	42	65	8	8	0	2a	5.02	2.76	Retain				
T1208	White Cedar	<i>Melia azedarach</i>	32	50	8	8	90	2a	3.82	2.47	Remove	Health			
T1209	Radiata Pine	<i>Pinus radiata</i>	62	67	18	15	0	4a	7.44	2.80	Remove	Earthwks	V3		dead
T1210	Cabbage Gum	<i>Cinnamomum camphora</i>	45	56	10	8	90	2a	5.44	2.59	Remove	Health			
T1211	Radiata Pine	<i>Pinus radiata</i>	47	67	20	9	0	4a	5.64	2.80	Remove	Dev			
T1212	Chinese Hackberry	<i>Celtis sinensis</i>	44	63	12	14	80	2a	5.29	2.73	Remove	Dev			
T1213	Silky Oak	<i>Grevillea robusta</i>	58	83	22	12	10	4a	6.96	3.06	Remove	Dev			very few leaves
T1214	Silky Oak	<i>Grevillea robusta</i>	35	57	22	10	80	2a	4.20	2.61	Remove	Dev			
T1215	Silky Oak	<i>Grevillea robusta</i>	34	47	20	9	80	2a	4.08	2.41	Remove	Dev			

Note 1: Visual Significance

V1 – High significance typically >25m height/ >20m spread / >600mm DBH – Large emergent tree

V2 – Moderate significance generally 15-25m height/ >10m spread>600mm DBH – Prominent tree typically with a large spread

V3 – Low significance >10m height/ >10m spread>600mm DBH –Typically a visually attractive low tree with large spread and DBH

Note 2: Habitat Trees

The habitat trees recorded within the study area fall under one of three categories:

Category 1: Significant habitat trees (high):

- Large hollow suitable for cockatoos or large forest owls >30cm and/or

No 13 Park Road, Wallacia

<ul style="list-style-type: none">• Trees containing two (2) or more good quality medium hollows 10-30cm and/or• >8 small hollows <p>Category 2: Significant habitat trees (moderate)</p> <ul style="list-style-type: none">• Trees containing one medium hollow 10-30cm and/or• 3-8 small hollows <p>Category 3: Remaining hollow bearing trees generally containing small or low numbers of hollows</p>									
<p>Note 3: SULE Rating (refer to detailed breakdown in Schedule 3)</p> <table><tr><td>1A to 1C</td><td>Trees that appear to be retainable at the time of assessment with more than 40 years life expectancy with acceptable risk.</td></tr><tr><td>2A to 2D</td><td>Trees that appear to be retainable at the time of assessment with 15-40 years life expectancy with acceptable risk.</td></tr><tr><td>3A to 3D</td><td>Trees that appear to be retainable at the time of assessment with 5-15 years life expectancy with acceptable risk.</td></tr><tr><td>4A to 4F</td><td>Trees with a high level of risk and should be removed within 5 years.</td></tr></table>		1A to 1C	Trees that appear to be retainable at the time of assessment with more than 40 years life expectancy with acceptable risk.	2A to 2D	Trees that appear to be retainable at the time of assessment with 15-40 years life expectancy with acceptable risk.	3A to 3D	Trees that appear to be retainable at the time of assessment with 5-15 years life expectancy with acceptable risk.	4A to 4F	Trees with a high level of risk and should be removed within 5 years.
1A to 1C	Trees that appear to be retainable at the time of assessment with more than 40 years life expectancy with acceptable risk.								
2A to 2D	Trees that appear to be retainable at the time of assessment with 15-40 years life expectancy with acceptable risk.								
3A to 3D	Trees that appear to be retainable at the time of assessment with 5-15 years life expectancy with acceptable risk.								
4A to 4F	Trees with a high level of risk and should be removed within 5 years.								

Schedule 2

SULE Assessment and Retention / Removal Plans



- SULE**
- 1a >40 years life expectancy, sound tree
 - 1b >40 years life expectancy, with remedial care
 - 1c Tree of historical, commemorative merit or rarity
 - 2a 15 - 40 years life expectancy
 - 2b >40 years life expectancy, may represent future safety or nuisance problems
 - 2c >40 years life expectancy, suppressing better quality trees
 - 2d 15 - 40 years, with remedial care
 - 3a 5 - 15 years life expectancy
 - 3b >15 years life expectancy, may represent further safety or nuisance problems
 - 3c >15 years life expectancy, suppressing better quality trees
 - 3d 5 - 15 years life expectancy, requiring significant remedial work
 - 4a Dead or dying, suppressed or declining tree (Remove)
 - 4b A dangerous tree due to instability (Remove)
 - 4c A dangerous tree (Remove)
 - 4d A damaged tree, not safe to retain (Remove)
 - 4e Tree damaging or may cause damage to existing structures (Remove)
 - 4f Will become dangerous after removal of trees classed A-E (Remove)

Legend

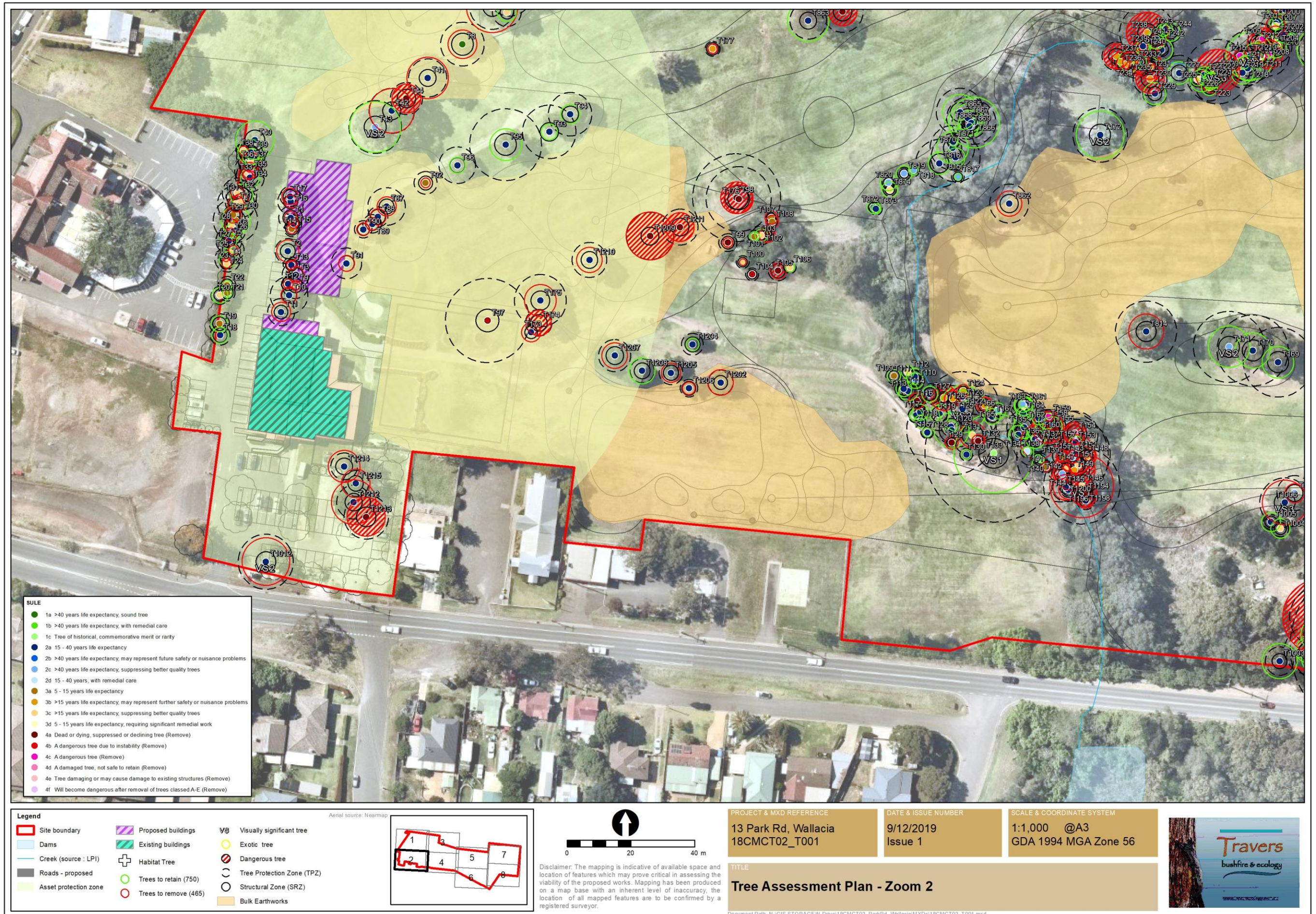
Site boundary	Proposed buildings	Visually significant tree
Dams	Existing buildings	Exotic tree
Creek (source : LPI)	Habitat Tree	Dangerous tree
Roads - proposed	Trees to retain (750)	Tree Protection Zone (TPZ)
Asset protection zone	Trees to remove (485)	Structural Zone (SRZ)
		Bulk Earthworks

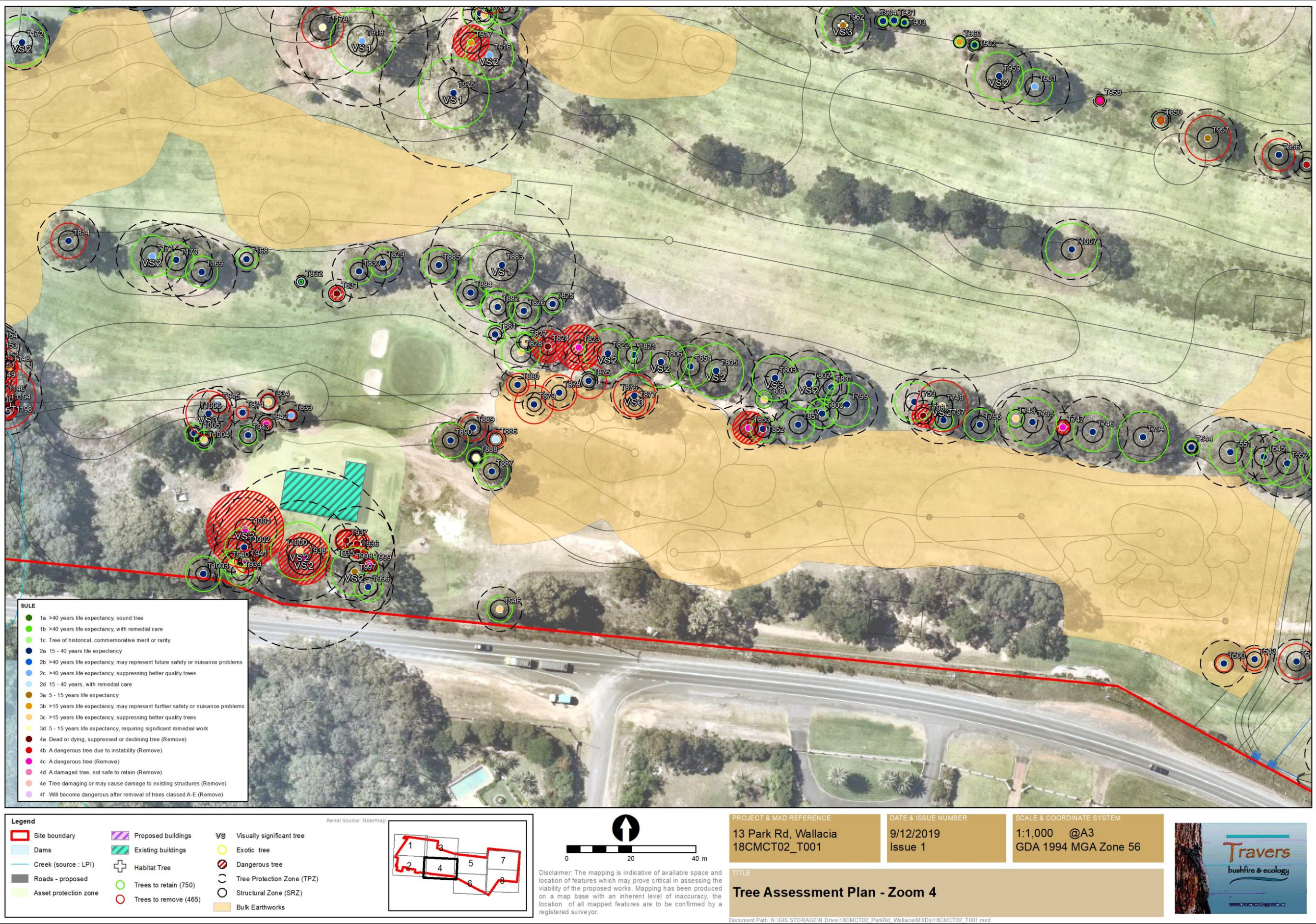
Aerial source: Nearmap

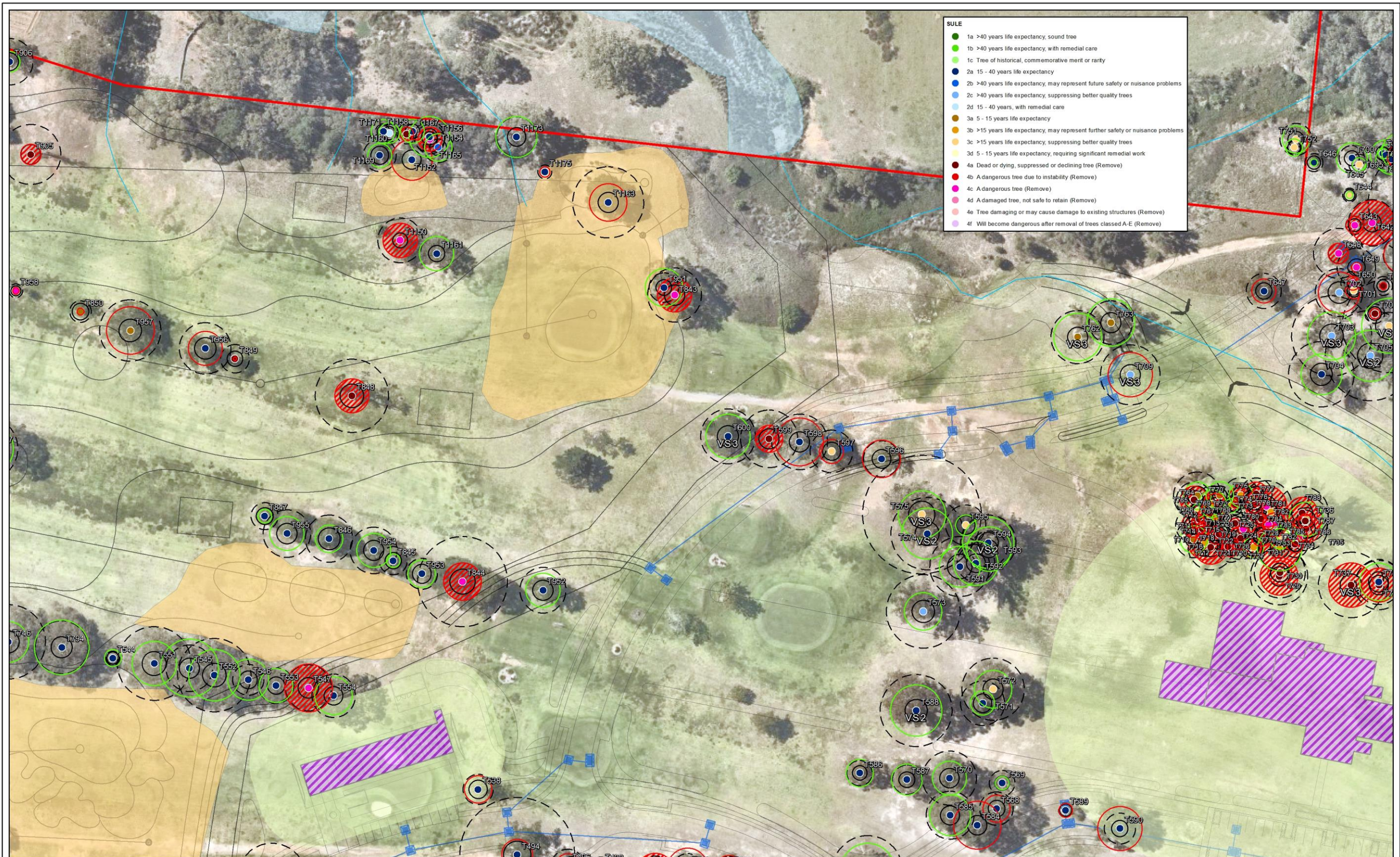
0 20 40 m

Disclaimer: The mapping is indicative of available space and location of features which may prove critical in assessing the viability of the proposed works. Mapping has been produced on a map base with an inherent level of inaccuracy, the location of all mapped features are to be confirmed by a registered surveyor.

PROJECT & MXD REFERENCE 13 Park Rd, Wallacia 18CMCT02_T001	DATE & ISSUE NUMBER 9/12/2019 Issue 1	SCALE & COORDINATE SYSTEM 1:1,000 @A3 GDA 1994 MGA Zone 56
TITLE Tree Assessment Plan - Zoom 1		
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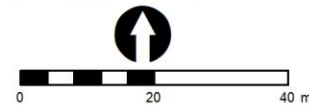
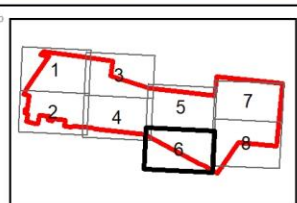


SULE	
1a	>40 years life expectancy, sound tree
1b	>40 years life expectancy, with remedial care
1c	Tree of historical, commemorative merit or rarity
2a	15 - 40 years life expectancy
2b	>40 years life expectancy, may represent future safety or nuisance problems
2c	>40 years life expectancy, suppressing better quality trees
2d	15 - 40 years, with remedial care
3a	5 - 15 years life expectancy
3b	>15 years life expectancy, may represent further safety or nuisance problems
3c	>15 years life expectancy, suppressing better quality trees
3d	5 - 15 years life expectancy, requiring significant remedial work
4a	Dead or dying, suppressed or declining tree (Remove)
4b	A dangerous tree due to instability (Remove)
4c	A dangerous tree (Remove)
4d	A damaged tree, not safe to retain (Remove)
4e	Tree damaging or may cause damage to existing structures (Remove)
4f	Will become dangerous after removal of trees classed A-E (Remove)

Legend	
	Site boundary
	Dams
	Creek (source : LPI)
	Roads - proposed
	Asset protection zone
	Proposed buildings
	Existing buildings
	Habitat Tree
	Trees to retain (750)
	Trees to remove (465)

	Visually significant tree
	Exotic tree
	Dangerous tree
	Tree Protection Zone (TPZ)
	Structural Zone (SRZ)
	Bulk Earthworks

Aerial source: Neemap



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13 Park Rd, Wallacia
18CMCT02_T001

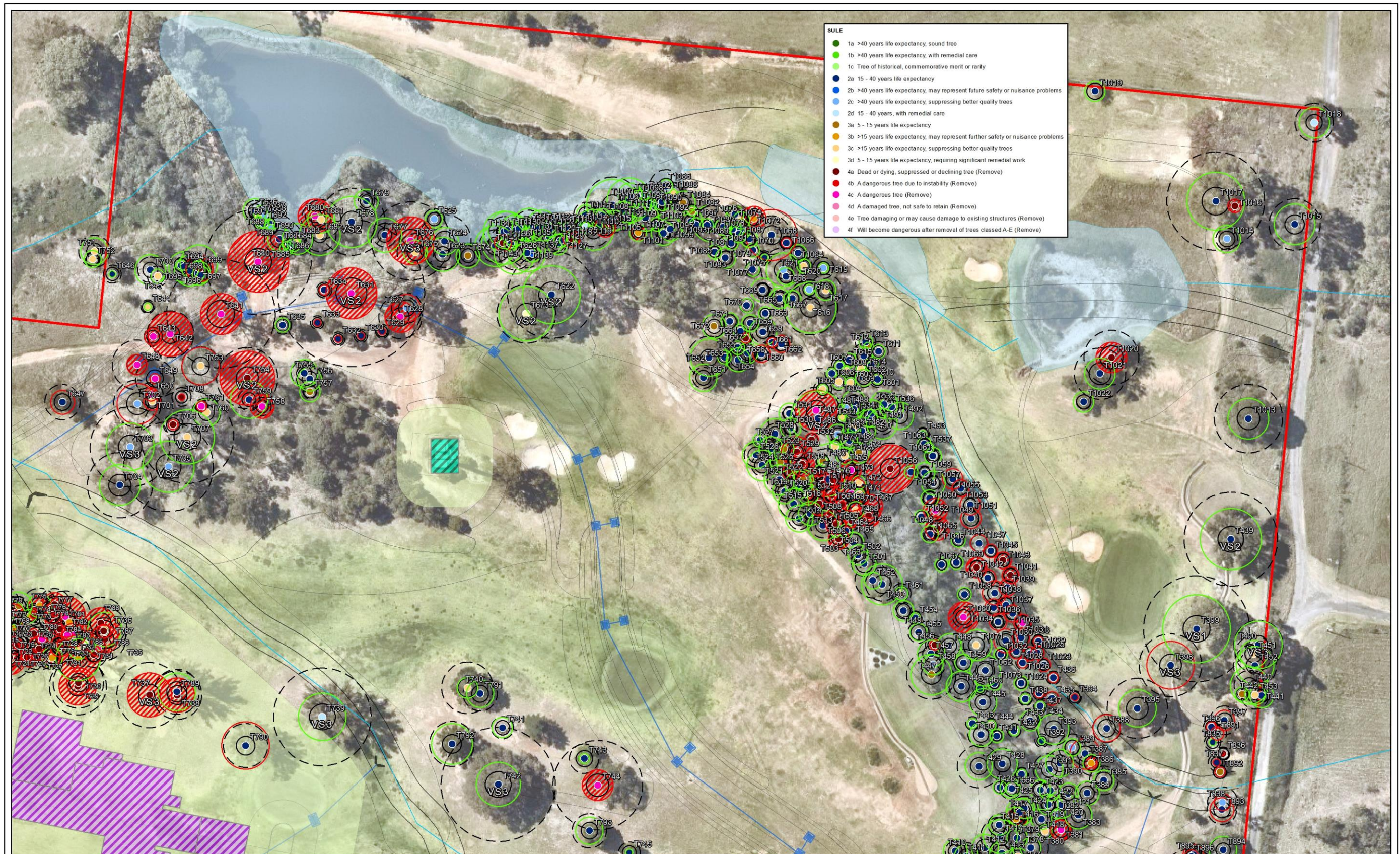
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SCALE & COORDINATE SYSTEM
1:1,000 @A3
GDA 1994 MGA Zone 56

TITLE
Tree Assessment Plan - Zoom 6

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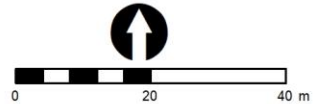
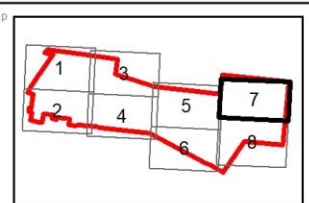




- SULE**
- 1a >40 years life expectancy, sound tree
 - 1b >40 years life expectancy, with remedial care
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 - 2a 15 - 40 years life expectancy
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 - 2c >40 years life expectancy, suppressing better quality trees
 - 2d 15 - 40 years, with remedial care
 - 3a 5 - 15 years life expectancy
 - 3b >15 years life expectancy, may represent further safety or nuisance problems
 - 3c >15 years life expectancy, suppressing better quality trees
 - 3d 5 - 15 years life expectancy, requiring significant remedial work
 - 4a Dead or dying, suppressed or declining tree (Remove)
 - 4b A dangerous tree due to instability (Remove)
 - 4c A dangerous tree (Remove)
 - 4d A damaged tree, not safe to retain (Remove)
 - 4e Tree damaging or may cause damage to existing structures (Remove)
 - 4f Will become dangerous after removal of trees classed A-E (Remove)

- Legend**
- Site boundary
 - Dams
 - Creek (source : LPI)
 - Roads - proposed
 - Asset protection zone
 - Proposed buildings
 - Existing buildings
 - Habitat Tree
 - Trees to retain (750)
 - Trees to remove (465)
 - VS Visually significant tree
 - Exotic tree
 - Dangerous tree
 - Tree Protection Zone (TPZ)
 - Structural Zone (SRZ)
 - Bulk Earthworks

Aerial source: Nearmap



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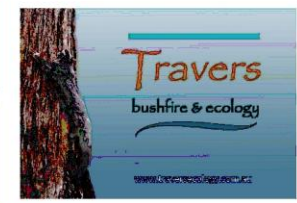
PROJECT & MXD REFERENCE
13 Park Rd, Wallacia
18CMCT02_T001

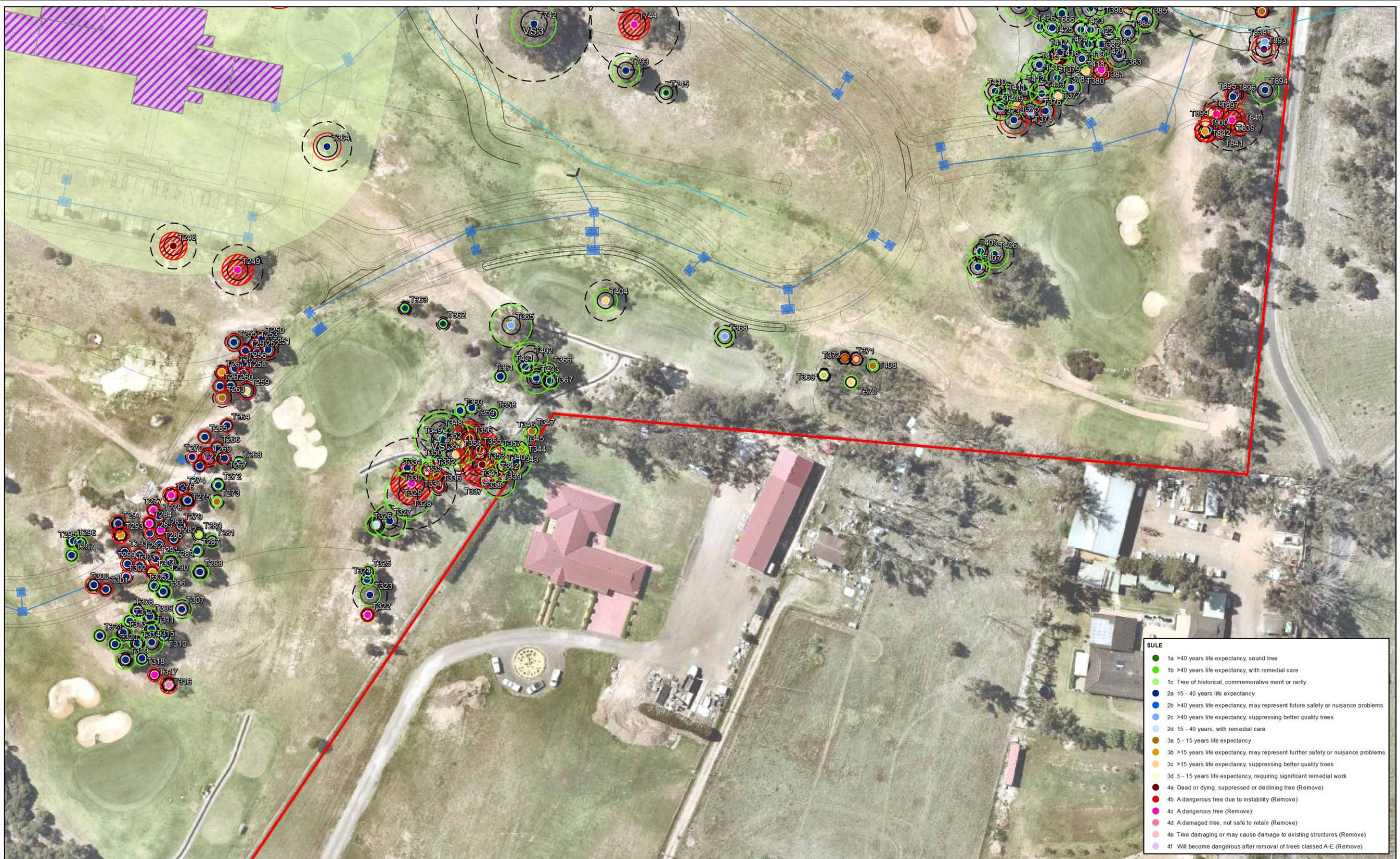
DATE & ISSUE NUMBER
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Issue 1

SCALE & COORDINATE SYSTEM
1:1,000 @A3
GDA 1994 MGA Zone 56

TITLE
Tree Assessment Plan - Zoom 7

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SULE	
1a	>40 years life expectancy, sound tree
1b	>40 years life expectancy, with remedial care
1c	Tree of historical, commemorative merit or rarity
2a	15 - 40 years life expectancy
2b	>40 years life expectancy, may represent future safety or nuisance problems
2c	>40 years life expectancy, suppressing better quality trees
2d	15 - 40 years, with remedial care
3a	5 - 15 years life expectancy
3b	>15 years life expectancy, may represent further safety or nuisance problems
3c	>15 years life expectancy, suppressing better quality trees
3d	5 - 15 years life expectancy, requiring significant remedial work
4a	Dead or dying, suppressed or declining tree (Remove)
4b	A dangerous tree due to instability (Remove)
4c	A dangerous tree (Remove)
4d	A damaged tree, not safe to retain (Remove)
4e	Tree damaging or may cause damage to existing structures (Remove)
4f	Will become dangerous after removal of trees classed A-E (Remove)

Legend

Site boundary	Proposed buildings	Visually significant tree
Dams	Existing buildings	Exotic tree
Creek (source : LPI)	Habitat Tree	Dangerous tree
Roads - proposed	Trees to retain (750)	Tree Protection Zone (TPZ)
Asset protection zone	Trees to remove (465)	Structural Zone (SRZ)
		Bulk Earthworks

Aerial source: Neemap

Disclaimer: The mapping is indicative of available space and location of features which may prove critical in assessing the viability of the proposed works. Mapping has been produced on a map base with an inherent level of inaccuracy, the location of all mapped features are to be confirmed by a registered surveyor.

PROJECT & MXD REFERENCE 13 Park Rd, Wallacia 18CMCT02_T001	DATE & ISSUE NUMBER 9/12/2019 Issue 1	SCALE & COORDINATE SYSTEM 1:1,000 @A3 GDA 1994 MGA Zone 56
TITLE Tree Assessment Plan - Zoom 8		
Document Path: N:\GIS STORAGE\N Drive\18CMCT02_ParkRd_Wallacia\MXD\18CMCT02_T001.mxd		



Schedule 3

SULE Ratings and Terminology

SULE Ratings and Terminology

SULE (an acronym for **safe useful life expectancy**). Particular consideration is given to the following points when making the final SULE assessment for each tree;

- obvious past influences (suppression)
- present health and condition, and future potential in current position
- estimated age at assessment in relation to the life expectancy for the species
- observed and potential structural defects which may influence potential life expectancy
- potential remedial work which may allow retention in the existing location.

An outline of the four relevant SULE categories and their subgroups used in this report is as follows:

1 Long SULE (trees that appear to be retainable at the time of assessment for more than 40 years with an acceptable level of risk)

- A** A structurally sound tree, located where potential future growth can be accommodated.
- B** A damaged or defective tree that could be made suitable in the long term (40+ years), where remedial care is given.
- C** A tree of particular significance (historical / commemorative merit or rarity) that warrants extensive efforts in securing long term retention.

2 Medium SULE (trees that appear to be retainable at the time of assessment, for 15 - 40 years with an acceptable level of risk)

- A** A tree predicted to only live between 15 and 40 years
- B** A tree that may live for more than 40 years, but should be removed to prevent safety or nuisance problems
- C** A tree that may live for more than 40 years, but should be removed to prevent competition with more suitable individuals, or to provide space for new planting
- D** A damaged or defective tree that could be made suitable in the medium term (15-40 years), where remedial care is given.

3 Short SULE (trees that appear to be retainable at the time of assessment for 5 - 15 years with an acceptable level of risk)

- A** A tree predicted to only live between 5 - 15 years
- B** A tree that may live for more than 15 years, but should be removed to prevent safety or nuisance problems
- C** A tree that may live for more than 15 years, but should be removed to prevent competition with more suitable individuals or to provide space for new planting
- D** A damaged or defective tree that could only be made suitable in the short term (5-15 years), and would require significant remedial work.

4 Removals (Trees with a high level of risk that should be removed within the next 5 years)

- A** A dead, dying, suppressed or declining tree

- B** A dangerous tree made so through instability or recent loss of neighbouring trees
- C** A dangerous tree made so through structural defects (cavities, decay, included bark, wounds or poor form)
- D** A damaged tree that is clearly not safe to retain
- E** A tree that is damaging, or may cause damage, to existing structures within 5 years
- F** A tree that will become dangerous after removal of neighbouring trees for the reasons given in A to E.

SULE ratings given to any tree in this report assumes that appropriate maintenance (if required) will be provided by a qualified arborist. Incorrect tree work practices can significantly accelerate tree suppression and increase hazard potential

EXPLANATION OF TERMINOLOGY USED

DBH - An acronym for bole or trunk diameter at breast height (1.4m from ground level).

Health - An indication of the vigour of a tree and is determined by the observed crown colour, density, presence of insect attack, the percentage of dead or dying branches and the amount of epicormic growth. The health of the canopy and that of the root system is interdependent and significant loss of tree vigour can result through both root and canopy (pruning, suppression) damage.

Suppressed, unhealthy trees have reduced ability to initiate internal defence systems (by the process of compartmentalisation) thus predisposing them to attack by insects and pathogenic decay organisms which increase the potential to drop dangerous branches.

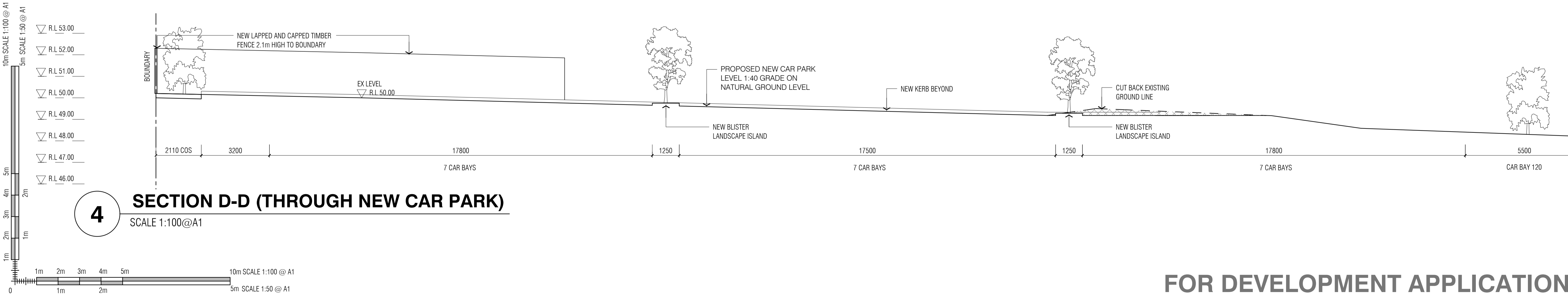
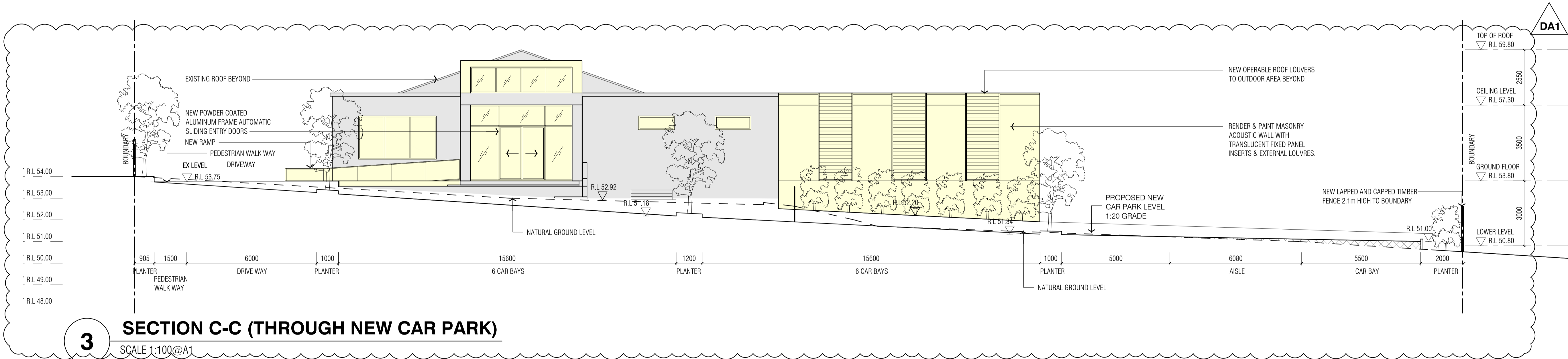
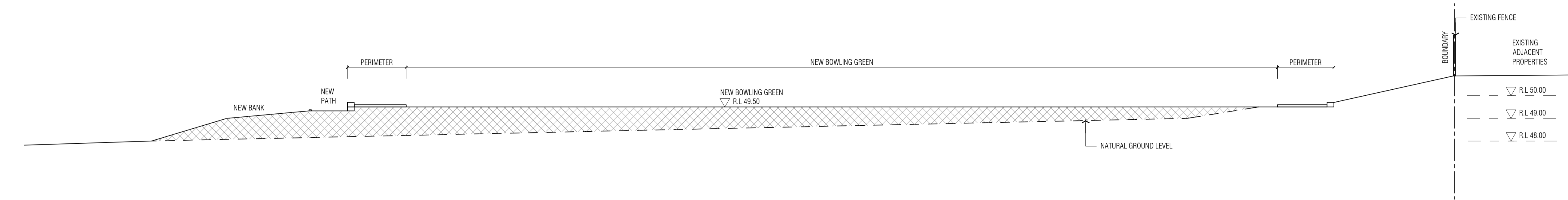
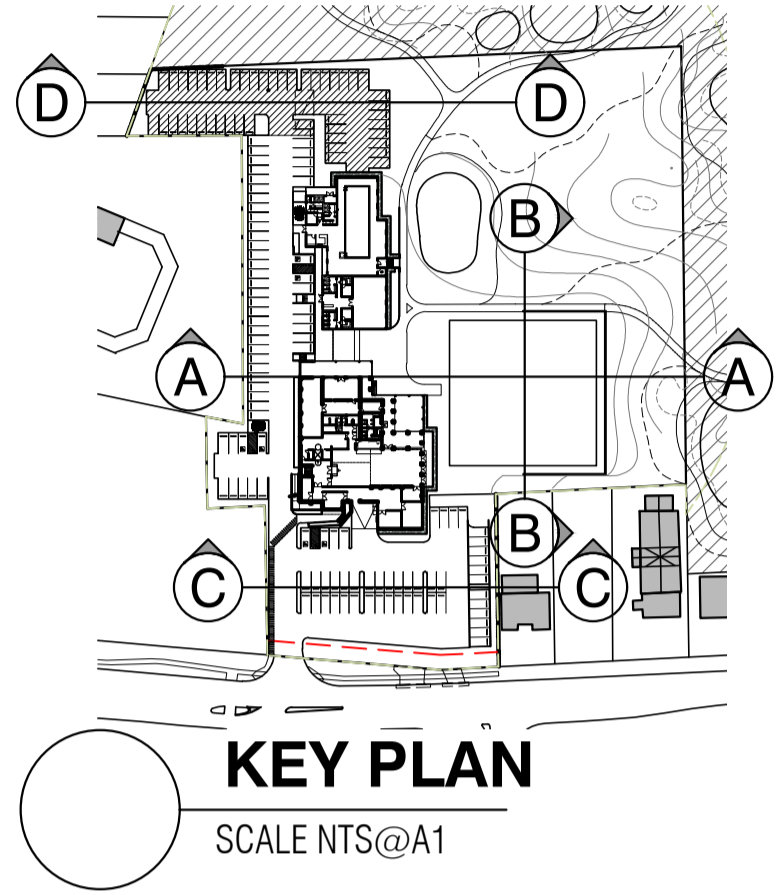
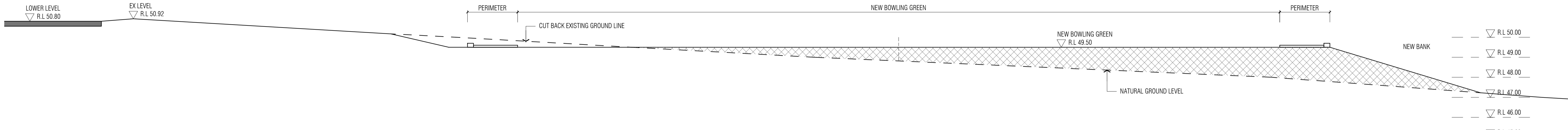
Cambium - The part of the tree situated between the bark and the true wood of a tree. This area is where the tree transports water, nutrients and waste products to and from the roots and leaves. It is this area that is targeted when “ring-barking” a tree in order to disrupt the nutrient transport system of the tree and cause its death.

Condition - An evaluation of the structural integrity of a tree, including defects that may affect the useful life of an otherwise healthy individual. Such influencing factors include cavities and decay, weak unions between branches or trunks and faults of form or habit.

Fungal Attack - Many fungi have evolved to break down wood and return its nutrients to the biocycle of the environment. Fungi usually gain access to the wood through the actions of borers, or from physical damage resulting in exposed wood. Trees suffering from fungal attack may be severely weakened on a structural basis but may not show any external signs of the weakness. This can result in a catastrophic structural failure of a branch or trunk when subjected to stress such as a windy day.

Kino - A dark reddish exudate, rich in polyphenols (tannins), developed in the cambial region of eucalypts often as a result of injury; incorrectly called gum (Boland *et.al.* 1992).

Deadwood - The mature crown of a eucalypt maintains itself by the continual production of new crown units, which die in turn. Thus there will always be some dead branches in a healthy mature crown (Florence, 1996). Minor deadwood refers to dead branchlets, Major deadwood refers to main branches from the trunk.



DA1	FOR DA	02.07.2021
DA	FOR DA	24.02.2021
ISSUE	AMENDMENTS	DATE
NOTE:		
1. CHECK ALL THE DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF WORK.		
2. USE FIGURED DIMENSIONS ONLY, DO NOT SCALE.		
3. ALL WORK TO COMPLY WITH BCA, RELEVANT AUTHORITIES AND LOCAL COUNCIL.		
4. ALL GLAZING IN ACCORDANCE WITH AS 1288.		
5. ALL DISCREPANCIES TO BE REFERRED TO THE ARCHITECT PRIOR TO CONSTRUCTION.		
6. REFER TO STRUCTURAL ENGINEER'S DETAIL FOR ALL STRUCTURAL INFORMATION.		
7. ELECTRICAL AND LIGHTING - NEW ELECTRICAL AND LIGHTING TO AUTHORITY & CODE REQUIREMENTS AND BCA.		
8. ALL TIMBER WORK IN ACCORDANCE WITH TIMBER FRAMING CODE.		
9. NEW STORM WATER TO BE CONNECTED TO EXISTING STORM WATER SYSTEM.		
10. NEW WASTE DRAINAGE TO BE CONNECTED TO EXISTING WASTE DRAINAGE SYSTEM.		
11. NEW TACTILE INDICATORS TO STAIRS & RAMPS TO AUSTRALIAN STANDARD AS 1428.4.		
12. ALL WORK IN ACCORDANCE WITH DISABLED CODE, AS 1428.1		
Client:		
Architect:		
Project:		
Title:		
Scale:		
Drawn:		
Job Number:		
Checked By:		
Drawing Number:		
Date:		
Issue:		
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FOR DEVELOPMENT APPLICATION