EPM Projects
Barker College
Concept Proposal and Stage 1 SSDA
Arboricultural Impact Assessment

8 August 2022

Assessment and Report prepared by:

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JNC02636v2

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Daniel Rickard
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Chatswood NSW 2067

Arboricultural Impact Assessment Report regarding three hundred and thirty-four (334) trees located within the grounds of Barker College, NSW

Dear Daniel,

We are pleased to provide the following Arboricultural Impact Assessment Report for three hundred and thirty-four (334) trees located within the vicinity of the Concept proposal and Stage 1 SSDA at Barker College, 91 Pacific Highway, Hornsby.

Complete use of this report is authorised under the conditions limiting its use as stated in Appendix A Item 7 of "*Arboricultural Reporting Assumptions and Limiting Conditions*".

Should you have any queries relating to this report, its recommendations, or the options considered please do not hesitate to contact us on 1300 272 671.

Regards,

Andrew Clark
Consulting Arborist
Dip. Hort. (Arb.), AQF Level 5

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1 Executive Summary

1.1.1 The following Arboricultural Impact Assessment (Report) regards three hundred and thirty-four (334) trees located within the grounds of Barker College. The subject site was identified by EPM Projects (the Client) as possessing trees that may be impacted upon by the Concept proposal and Stage 1 SSDA.

1.1.2 In part, the project scope was to nominate subject trees that can be retained, or require removal to facilitate the proposed development, as well as identify and reduce potential conflicts between subject trees and site development. Accurate information on the area required for tree retention and methods/techniques suitable for tree protection during construction have been provided.

1.1.3 Stage 1 of the development consists of upgrades to existing pathways and internal access roads, which includes resurfacing, kerb upgrades, ramp installations and the removal of various small garden bed obstructions.

1.1.4 These works are anticipated to have minimal impact on the existing trees as most works will stay within/above existing alignments and subgrades. Nine (9) larger trees situated near the access ways are recommended for additional care and, possibly, design/construction methodologies/construction material modifications based on arborist advice at the time of demolition (Refer to 6.3.13 or 7.3 of this report for details).

1.1.5 Future stages involve the demolition of the existing tennis courts and school outbuildings (south of Clarke Road) followed by the reconstruction of a new aquatic centre (AC) (with roof top tennis courts) and performing arts/exam space (PA) across similar footprints.

1.1.6 Most of the trees recommended for removal are located around the AC and PA buildings, with the remainder scattered around the landscape areas. Fifty-seven (57) trees fall into this category, with 75% being in the Low (C) Retention Value category and/or 50% being in the juvenile (easy to replace) age category.

1.1.7 The four (4) trees with Category A Retention Values are exotic *Pinus canariensis* (Canary Island Pine) of large dimensions growing as a group within the southern PA area which were nominated for their size and form rather than ecological or other attributes.

1.1.8 To retain any of these trees, a redesign or relocation of the various development components would be required however based on the retention value, age and ULE of the targeted trees, this is considered unreasonable. No Native/Endemic trees are proposed for removal within the areas mapped as Blue Gum High Forest (EEC). Refer to Appendix F for full detail.

1.1.9 Tree retention values have been determined based upon a modified version of the British Standard and which have been prescribed into one of the following four (4) categories, A, B, C and U. Refer to Appendix C for further detail. Generally, relevant consent authorities will consider:

- **A** retention value trees as a site constraint and may require alterations to the proposed development design and/or specific protection measures to allow retention, unless the proposed development outweighs the retention value of the tree
- **B** retention value trees as a site constraint consideration, lesser changes should be considered to retain such trees
- **C** retention value trees are not considered a site constraint
- **U** retention value trees are considered a site opportunity, as such trees are recommended for removal regardless of the proposed development.

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1.1.10 Site trees and their impacts from the proposed development:

Category	Description	Total	Removal		Retain	
			located within development footprint	irrespective of future development	with specific protection	with generic protection
A	High retention value trees	46	665, 667, 668, 675		503, 761	106, 193, 196, 198, 203, 279, 312, 313, 315, 331, 341, 345, 351, 355, 358, 359, 362, 363, 364, 368, 371, 469, 498, 504, 515, 605, 606, 607, 608, 609, 610, 611, 612, 644, 645, 649, 662, 664, 809, 1028
B	Moderate retention value trees	72	302, 303, 317, 613, 657, 666, 1027, 1030		509, 510, 774, 776, 777	93, 105, 107, 108, 197, 283, 289, 298, 300, 307, 308, 316, 319, 342, 353, 360, 365, 367, 370, 373, 375, 378, 379, 380, 429, 440, 456, 465, 468, 495, 501, 506, 508, 511, 513, 517, 660, 661, 679, 680, 762, 764, 767, 773, 775, 810, 811, 812, 814, 815, 1014, 1017, 1020, 1021, 1022, 1023, 1024, 1096, 1097
C	Low retention value trees	206	310, 318, 614, 678, 710, 711, 713, 714, 715, 778, 968, 1031, 1032, 1033, 1036, 1037, 1038, 1039, 1040, 1068, 1069, 1070, 1071, 1103, 1106, 1111, 1112, 1113, 1114, 1115, 1116, 1122, 1123, 1128, 1129, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142		334, 771	207, 280, 281, 282, 288, 290, 292, 293, 294, 295, 296, 297, 305, 309, 314, 332, 333, 344, 346, 352, 354, 356, 357, 369, 372, 374, 376, 377, 424, 426, 432, 435, 437, 438, 443, 444, 445, 446, 449, 452, 460, 466, 470, 516, 616, 617, 658, 704, 705, 763, 765, 766, 768, 769, 770, 772, 785, 974, 975, 976, 978, 979, 986, 1001, 1002, 1003, 1004, 1005, 1006, 1008, 1010, 1011, 1012, 1013, 1015, 1016, 1019, 1025, 1026, 1029, 1034, 1035, 1041, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1092, 1093, 1094, 1095, 1098, 1100, 1101, 1102, 1117, 1118, 1119, 1120, 1121, 1124, 1125, 1126, 1127, 1130, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157
U	Trees to be removed irrespective of proposed development	10		625, 712, 779, 1007, 1009, 1091, 1099		291, 909, 1018

2 Introduction

2.1.1 ArborSafe Australia Pty Ltd was engaged by Daniel Rickard on behalf of the Client to complete an Arboricultural Impact Assessment Report on three hundred thirty-four (334) trees located within the grounds of Barker College at 91 Pacific Highway, Hornsby.

2.1.2 The site was located across an extended area within the school grounds, including various landscaped outdoor transition areas (pedestrian pathways and internal access roads) with existing buildings and structures situated on both sides of Clarke Road.

2.1.3 The proposed development has been reviewed and in summary consists of the upgrade of existing paths and internal access roads and the demolition of the existing tennis courts and school out-buildings (south of Clarke Road) with the reconstruction of a new aquatic centre (with roof top tennis courts) and music recital hall across a similar footprint. The development is proposed over several stages, with Stage 1 being the landscape access way upgrades.

2.1.4 The report was intended to provide information on site trees and how they may be impacted upon by the proposed development. Report findings and recommendations provided are based upon guidance provided within Australian Standard AS 4970–2009: *Protection of Trees on Development Sites*.

2.1.5 Observations and recommendations provided within this report are based upon information provided by the Client and an arborist site visit.

2.1.6 Planning Secretary's Environmental Assessment Requirements (SEARs) addressed in this report:

Requirement	Relevant Report Section
Assess the number, location, condition and significance of trees to be removed and retained as a result of the anticipated concept development and note any existing canopy coverage to be retained onsite.	See Section 6 & 7 and Appendix F

3 Scope

3.1.1 Carry out a visual examination of the nominated trees located within the vicinity of the proposed development.

3.1.2 Provide an objective appraisal of the subject trees in relation to their species, estimated age, health, structural condition, useful life expectancy (ULE) and viability within the landscape.

3.1.3 Based on the findings of this investigation, provide independent recommendations on the retention value of the trees.

3.1.4 Nominate subject trees that can be retained or require removal to facilitate the development.

3.1.5 Identify and reduce potential conflicts between subject trees and site development by providing accurate information on the area required for tree retention and methods/techniques suitable for tree protection during construction.

3.1.6 Provide information on restricted activities within the area nominated for tree protection, as well as suitable construction methods to be adopted during demolition and/or construction.

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4 Methodology

4.1 Data Collection

4.1.1 Tom Axford of ArborSafe Australia Pty Ltd carried out a site inspection of the subject trees on 22 and 23 November 2021.

4.1.2 Trees that are the subject of this report (Figure 1) were identified during discussions with the Client, reviewing relevant supplied development documentation and reviewing the description of a non-exempt 'Tree' as identified within the Hornsby Shire Council relevant documentation (Hornsby Shire Council, 2013).

4.1.3 Pursuant to the Hornsby Council Development Control Plan 2013, Part 1 General, Section 1B.6.1 Tree Preservation:

a. Prescribed trees are:

- Trees except exempt tree species in Hornsby Shire, as listed in Table 1B.6 (a) or subject to the Biodiversity Offset Scheme,
- All trees on land within a heritage conservation area described within the HLEP, and
- All trees on land comprising heritage items listed within the HLEP.

c. For the purposed of this section:

- A tree is defined as a long lived woody perennial plant with one or relatively few main stems with *the potential to grow to a height greater than 3 metres.*

NB: Due to the volume of trees on the site, in some instances, trees of similar size, species or attributes were grouped together. Only trees of Retention Value B and C were grouped.

4.1.4 The subject trees were inspected from the ground using the initial component of Visual Tree Assessment (VTA) (Mattheck, 1994). No foliage or soil samples were taken and no aerial, underground or internal investigations were undertaken.

4.1.5 Tree height and crown width were estimated and have been provided to the nearest whole metre. Trunk diameter at breast height (DBH) and trunk diameter at the root crown (DRB) were measured with a diameter tape and provided to the nearest centimetre.

4.1.6 Environmental and heritage information has been sourced from NSW SEED and the Hornsby Council website. The source of all information has been referenced accordingly.

4.1.7 Data collected on site was analysed by Andrew Clark, following which relevant recommendations were formulated and collated into report format.

4.1.8 Tree protection zones (TPZ) and structural root zones (SRZ) were calculated in accordance with the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites* (refer to Section 7.6).

4.1.9 Retention values have been determined based upon a modified version of the British Standard BS 5837–2012: *Trees in Relation to Design, Demolition and Construction* (refer to Appendix C).

4.1.10 All photographs were taken at the time of the site inspections by the author and have not been altered for brightness or contrast, nor have they been cropped.

4.1.11 Plans of the existing site and of the proposed development were provided to ArborSafe in June 2022.

4.1.12 No proposed underground service locations have been reviewed in the preparation of this report.

5 Observations

5.1 Location

5.1.1 The site was located within the grounds of Barker College (Figure 2). Specifically, the area designated in this report was located around the existing pedestrian paths and internal access roads through the centre and south of the school grounds and includes the existing tennis court complex and outbuildings south of Clarke Road.

5.1.2 The site was located within the Hornsby Shire Council Local Government Area (LGA).

5.1.3 The site was reasonably level with minor grade changes throughout.

5.1.4 Site soils were not sampled or tested for the purpose of this report. Site soils are likely to be disturbed given the sites urban setting and were assumed to be altered from their natural soil profiles

Figure 1. Whole site image (location). Red lines delineate the site, while the yellow line shows approximate area of containing the subject trees that are to be impacted by the proposed development. (Nearmap, May 2022).

5.2 Site Trees

5.2.1 A total of three hundred and ninety-three (393) individual trees, mapped using three hundred and thirty-four (334) tags, were inspected and are the subject of this report. Complete attributes for each tree can be found in Appendix F –Tree Assessment Data.

5.2.2 The subject trees have been numbered in line with the existing ArborPlan tree numbering system. Trees can be identified on site using white tree tags which are typically located at approximately 2m from ground level on the south side of the trunk.

5.2.3 As these subject trees form part of a previous survey undertaken for the entire site, numbering may not be in sequential order.

5.2.4 All trees are considered to be planted stock based on age of development in the area. The tree scape is relatively established with 70% of the existing surveyed trees rated as semi-mature to mature specimens, with a further 30% being in the juvenile category.

5.2.5 There are approximately one third exotic and two thirds Australian native species within the site trees, with approximately one half of the native species being endemic to the local area.

5.2.6 There are fifteen (15) *Eucalyptus saligna* (Blue Gum) within the site trees, eight (8) mature, six (6) semi-mature and one (1) juvenile. None of these trees are proposed for removal to facilitate the development.

Figure 2. Trees are subject to this report as represented in the ArborPlan Tree Management system (north section of site). Refer to Appendix E for more detailed mapping. Note tree icon colour represents existing risk status (not Retention Value). (ArborPlan, June 2022).

Figure 3. Trees subject to this report as represented in the ArborPlan Tree Management system (south section of site). Refer to Appendix E for more detailed mapping. Note tree icon colour represents existing risk status (not Retention Value). (ArborPlan, June 2022).

5.3 Tree Retention Values

5.3.1 Retention values were determined based upon a modified version of the British Standard BS 5837–2012: *Trees in Relation to Design, Demolition and Construction*. This standard categorises tree retention value based upon assessment of the tree's quality (health and structure), and life expectancy. Other criteria such as its physical dimensions, age class, location and its Amenity, Heritage and Environmental significance are also considered. A breakdown of attributes required for each category can be obtained from Appendix C – Tree Retention Values.

Category	Tree numbers
A	106, 193, 196, 198, 203, 279, 312, 313, 315, 331, 341, 345, 351, 355, 358, 359, 362, 363, 364, 368, 371, 469, 498, 503, 504, 515, 605, 606, 607, 608, 609, 610, 611, 612, 644, 645, 649, 662, 664, 665, 667, 668, 675, 761, 809, 1028
B	93, 105, 107, 108, 197, 283, 289, 298, 300, 302, 303, 307, 308, 316, 317, 319, 342, 353, 360, 365, 367, 370, 373, 375, 378, 379, 380, 429, 440, 456, 465, 468, 495, 501, 506, 508, 509, 510, 511, 513, 517, 613, 657, 660, 661, 666, 679, 680, 762, 764, 767, 773, 774, 775, 776, 777, 810, 811, 812, 814, 815, 1014, 1017, 1020, 1021, 1022, 1023, 1024, 1027, 1030, 1096, 1097
C	207, 280, 281, 282, 288, 290, 292, 293, 294, 295, 296, 297, 305, 309, 310, 314, 318, 332, 333, 334, 344, 346, 352, 354, 356, 357, 369, 372, 374, 376, 377, 424, 426, 432, 435, 437, 438, 443, 444, 445, 446, 449, 452, 460, 466, 470, 516, 614, 616, 617, 658, 678, 704, 705, 710, 711, 713, 714, 715, 763, 765, 766, 768, 769, 770, 771, 772, 778, 785, 968, 974, 975, 976, 978, 979, 986, 1001, 1002, 1003, 1004, 1005, 1006, 1008, 1010, 1011, 1012, 1013, 1015, 1016, 1019, 1025, 1026, 1029, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1092, 1093, 1094, 1095, 1098, 1100, 1101, 1102, 1103, 1106, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157
U	291, 625, 712, 779, 909, 1007, 1009, 1018, 1091, 1099

5.4 Heritage Status

5.4.1 The northern portion of the site above Clarke Road was within the grounds of the Barker College Heritage Conservation Area, which has significant heritage value and is listed under the Hornsby Local Environment Plan 2013 (Hornsby Shire Council, 2013). Other sub-listings are also located within the Barker College Heritage Conservation Area.

Item Name	Listing No.
Barker College Heritage Conservation Area	C1
Barker College Junior School	465
Barker College, group of buildings, grounds and gate	501
Barker College, Centenary Design Centre, McCaskill Music Centre and Development Office	782

(NSW State Heritage Inventory, n.d.)

5.4.2 A portion of the item description for the *Barker College Group of Buildings, Grounds and Gate* documents the following (State Heritage Inventory – Accessed Dec. 2021):

- Grouping of twentieth century buildings of different periods and styles. **Set in large attractive grounds.**

Figure 4. Barker College Heritage Conservation Area. (SEED 2021).

5.5 Botanical and Environmental Status

5.5.1 A search of SEED (NSW Government, n.d.) revealed several mapped areas of Blue Gum High Forest (Threatened Ecological Community) (Figure 5) within or adjacent to the subject site. Dominant canopy trees associated with this community include; Sydney Blue Gum (*Eucalyptus saligna*) and Blackbutt (*Eucalyptus pilularis*), Forest Oak (*Allocasuarina torulosa*) and Sydney Red Gum (*Angophora costata*) (NSW Government Office of Environment & Heritage, 2020).

5.5.2 Thirty (30) subject trees were identified as either *Eucalyptus saligna* or *Angophora costata.* Refer to data table in Appendix F.

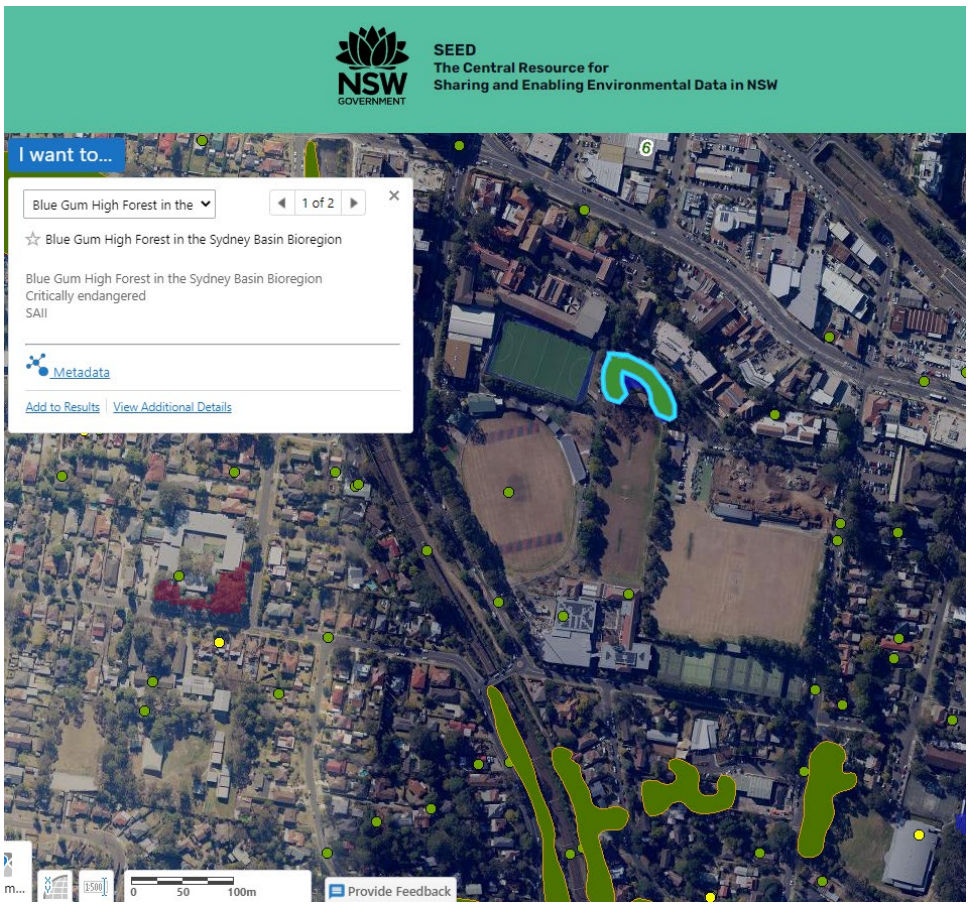

Figure 5. Mapped areas depicting threatened ecological communities/BioNet listings. (SEED, 2021).

5.5.3 Several BioNet species listings were recorded across the site including; Common Ringtail Possum, Laughing Kookaburra, Rainbow Lorikeet and the Leaf-green Tree Frog – none of which were designated as endangered.

5.5.4 ArborSafe cannot provide guidance or recommendations regarding ecology. This information should be sought from a suitably qualified and experienced ecological consultant.

6 Discussion

6.1 Determining TPZ Encroachment

6.1.1 **Major encroachment**. As per the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites*, a major encroachment into the TPZ of any tree is considered to occur when it is beyond 10% of the total TPZ area. Trees with major encroachment may require removal or, in certain instances, be retained with specific protection requirements throughout the construction stage.

6.1.2 **Minor encroachment**. Under the aforementioned standard, a minor encroachment is determined as being less than 10% of the total TPZ area. Trees with minor encroachment may be retained with specific, generic or no protection requirements throughout the construction stage.

6.1.3 **No encroachment**. Trees with no encroachment may be retained with generic or no protection requirements throughout the construction stage.

6.1.4 For the purposes of this report, trees to be removed or retained have been identified as those:

- Requiring removal due to a level of encroachment into their TPZ that would likely result in a detrimental impact upon their future health and/or stability
- Retainable and requiring specific protection requirements throughout construction (i.e. generic requirements plus arborist supervision and careful construction methods within their TPZ)
- Retainable and requiring generic tree protection measures only (i.e. protective fencing and restriction of activities within the TPZ).

6.2 Proposed Construction

6.2.1 The proposed development has been reviewed and in summary consists of the upgrading of existing paths and internal access roads and the demolition of the existing tennis courts and school outbuildings (south of Clarke Road) with the construction of a new aquatic centre (with roof top tennis courts) and music recital hall across a similar footprint.

6.2.2 The development is proposed over several stages, with Stage 1 being the landscape access way upgrades (Refer to Appendix F – Tree Assessment Data, 'Stage' column for stages).

6.2.3 The access way upgrades largely revolve around revamping the surfacing while retaining the existing path and road alignment. Several small garden beds, situated within various path alignments, will be removed as well as the installation of various ramps to facilitate easier access around the school.

6.2.4 The building components (Aquatic/Tennis Court Centre (AC) and Performing Arts/Exam Hall (PA)) are future proposals centred around existing infrastructure in the south east corner of the school on either side of Clarke Road.

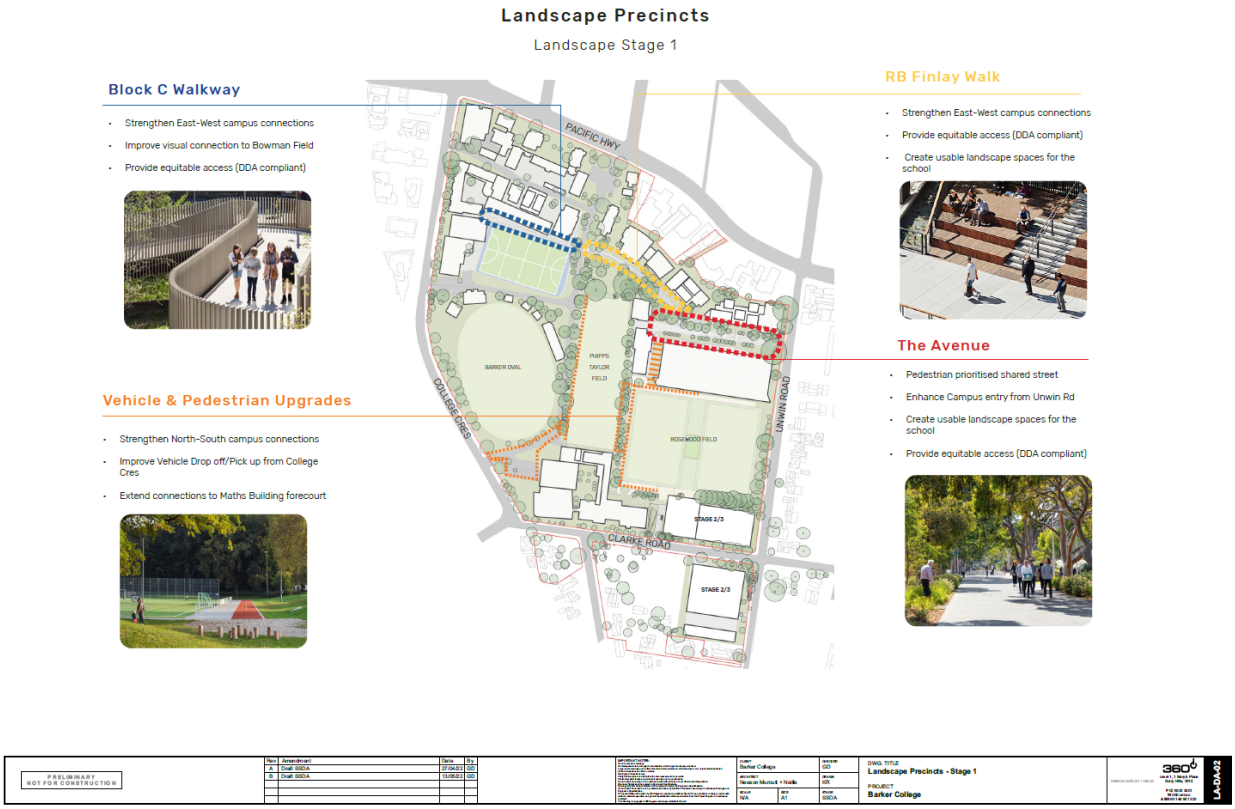

Figure 6. Excerpt from Draft Landscape Precincts -Stage 1 (SSDA). (Neeson Murcutt + Neille, 13 May 2022).

6.3 Impact of Proposed Development

6.3.1 A review of the proposed design has been undertaken in the context of tree retention and removal across the site.

6.3.2 The trees affected by direct conflict with the proposed construction footprint would require removal under the current design. Fifty-nine (59) trees fall into this category, with 75% being in the Low C Retention Value category and/or 50% being in the juvenile (easy to replace) age category.

6.3.3 Most of the trees recommended for removal are located around the AC and PA buildings with the remainder scattered throughout remaining landscape areas. The four (4) trees with Category A Retention Values are exotic *Pinus canariensis* (Canary Island Pine) of large dimensions growing as a group within the southern PA area which were nominated for their size and form rather than ecological or other attributes. No Native/Endemic trees are proposed for removal within the areas mapped as Blue Gum High Forest EEC areas.

6.3.4 To retain any of these trees a redesign or relocation of the various development components would be required however based on the retention value, age and ULE of the targeted trees this is considered unreasonable. Refer to Appendix F for full detail.

6.3.5 The other main development impact which affects trees, but not necessarily to the point of requiring immediate removal, is through significant root damage due to major TPZ encroachment. These can largely be placed into three (3) categories – soil compaction, level changes or direct root severance.

6.3.6 Negative tree impacts can manifest as either a reduction in health and/or vigour due to root loss (absorption and/or transport roots) resulting in a reduction in water and nutrient absorption capability or on tree stability if larger roots are impacted. Ultimately, the outcome for the trees depends on a number of variable factors including species, age, current health, TPZ encroachment percentage, soil type, topography, previous site use and the proposed design and construction methodology.

6.3.7 Compacted soils, especially artificially compacted soils such as those found under driveways or building platforms, have a higher bulk density down to a deeper level of subsoil. Bulk density is the term used for describing the weight of soil per unit volume. The broad engineering thinking is that the higher the density the more stable the road surface due to less soil movement in expansion, contraction, or compression. A higher bulk density is produced by compacting the soil to reduce available pore space between the soil particles.

6.3.8 The effect of compacted soils on plants is somewhat influenced by the soil type but generally a reduction in available pore space reduces the available area for oxygen and water within the soil. A reduction in available soil water and oxygen inhibits root activity within the soil, as they are essential for root elongation and growth, and the lack of these properties is considered a major limiting factor.

6.3.9 A similar reduction in root activity, due to a reduction in pore space, can occur following significant soil level changes across the TPZ, although this generally occurs over a longer time frame than if the roots were directly severed. Root severance has the same effect, reduction in root function and capability, but on an instantaneous time scale where there is no time for the tree to adjust.

6.3.10 The assumption of allowable encroachment and minimal long-term health or structural impacts to the trees rely on a combination of the following being used - root sensitive construction methods being adhered to within the TPZ, minimal excavation within the TPZ to limit root severance (i.e. construction placed outside the TPZ where possible), fill rather than excavation utilised to affect level changes where possible (i.e. to minimise root severance and allow the trees root system time to adjust), no construction occurring within trees SRZ, compensatory area being available around the unimpacted aspects of the trees and the enhancement of the existing TPZ area (i.e. mulched, soil conditioning and irrigation when required).

6.3.11 In the case of the Stage 1 landscape access way upgrades the most important component when assessing potential impacts is the trees current growing environments and infrastructure. If a blanket calculation was to be made based on proposed development area within the calculated TPZ, then most trees would have major encroachment.

6.3.12 If TPZs were recalculated taking into account current growing environments and infrastructure (existing compacted subbase for roads and paths where minimal roots would be expected) and the nature of the works (maintaining existing access way alignments, upgrading surfacing and maintaining subbase - minimal excavation), with some existing kerb replacement, then minimal impacts would be anticipated for the majority of trees - if general care was taken.

6.3.13 The component with the most potential for negative impacts within Stage 1 is the kerb replacement. Although the demolition of the existing kerb will create space, new kerbing may well require this to be enlarged or formalised, posing the risk of root damage if existing trees are within close proximity.

6.3.14 Nine (9) larger mature trees have been identified where this may occur and additional care (arborist supervision during excavation) and/or kerb design modification (ramping over roots/bespoke shape) and/or construction methodology (hand excavation/ altered construction material) may be required.

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7 Tree Protection and Management Recommendations

7.1 Tree Removal

7.1.1 Sixty-six (66) trees would require removal as follows, based on the supplied design proposal. These trees would require removal to facilitate the proposed development.

7.1.2 The majority of these trees are low/no retention value trees of limited ULE which would be easily replaced in a short time if required.

Recommendation	Category A High retention value		Category B Moderate retention value		Category C Low Retention value		Category U No retention value	
	Qty	Tree numbers	Qty	Tree numbers	Qty	Tree numbers	Qty	Tree numbers
Remove for development	4	665, 667, 668, 675	8	302, 303, 317, 613, 657, 666, 1027, 1030	47	310, 318, 614, 678, 710, 711, 713, 714, 715, 778, 968, 1031, 1032, 1033, 1036, 1037, 1038, 1039, 1040, 1068, 1069, 1070, 1071, 1103, 1106, 1111, 1112, 1113, 1114, 1115, 1116, 1122, 1123, 1128, 1129, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142	0	
Remove irrespective of development	0		0		0		7	625, 712, 779, 1007, 1009, 1091, 1099

Figure 7. Site map showing trees recommended for removal due to development impacts (North). (ArborPlan, June 2022).

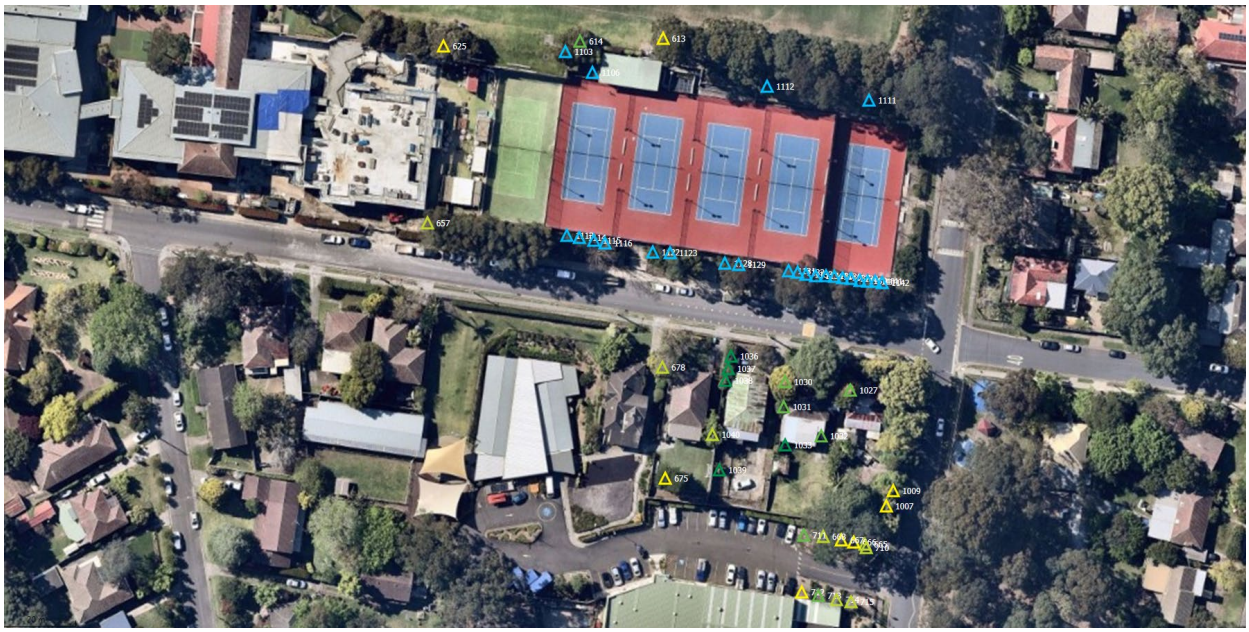


Figure 8. Site map showing trees recommended for removal due to development impacts (South). (ArborPlan, June 2022).

7.2 Tree Retention

7.2.1 Two hundred and sixty-eight (268) trees were recommended for retention and require generic, and possibly specific, protection measures during construction to ensure they remain viable following the completion of works.

Recommendation (Refer Section 7.4–7.9)	Category A High retention value		Category B Moderate retention value		Category C Low Retention value	
	Qty	Tree numbers	Qty	Tree numbers	Qty	Tree numbers
Retain with specific protection requirements	2	503, 761	5	509, 510, 774, 776, 777	2	334, 771
Retain with generic protection requirements	40	106, 193, 196, 198, 203, 279, 312, 313, 315, 331, 341, 345, 351, 355, 358, 359, 362, 363, 364, 368, 371, 469, 498, 504, 515, 605, 606, 607, 608, 609, 610, 611, 612, 644, 645, 649, 662, 664, 809, 1028	59	93, 105, 107, 108, 197, 283, 289, 298, 300, 307, 308, 316, 319, 342, 353, 360, 365, 367, 370, 373, 375, 378, 379, 380, 429, 440, 456, 465, 468, 495, 501, 506, 508, 511, 513, 517, 660, 661, 679, 680, 762, 764, 767, 773, 775, 810, 811, 812, 814, 815, 1014, 1017, 1020, 1021, 1022, 1023, 1024, 1096, 1097	157	207, 280, 281, 282, 288, 290, 292, 293, 294, 295, 296, 297, 305, 309, 314, 332, 333, 344, 346, 352, 354, 356, 357, 369, 372, 374, 376, 377, 424, 426, 432, 435, 437, 438, 443, 444, 445, 446, 449, 452, 460, 466, 470, 516, 616, 617, 658, 704, 705, 763, 765, 766, 768, 769, 770, 772, 785, 974, 975, 976, 978, 979, 986, 1001, 1002, 1003, 1004, 1005, 1006, 1008, 1010, 1011, 1012, 1013, 1015, 1016, 1019, 1025, 1026, 1029, 1034, 1035, 1041, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1092, 1093, 1094, 1095, 1098, 1100, 1101, 1102, 1117, 1118, 1119, 1120, 1121, 1124, 1125, 1126, 1127, 1130, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157

7.3 Specific Protection Measures

7.3.1 Trees 334, 503, 509, 510, 761, 771, 774, 776 and 777 are larger trees located in close proximity to proposed access way upgrades (Figure 9).

7.3.2 Kerb demolition within the TPZ of these trees is to be carried out only under arborist supervision. It is recommended that the proposed kerb stone extraction commence at the outer extent of the TPZ and move inwards to minimise root damage to the trees.

7.3.3 Demolition works should be undertaken using techniques that are sensitive to tree roots to avoid unnecessary damage. Such techniques include:

- Machines sitting on the existing road/path hardstand and using and additional spotter when working within the TPZ.
- Excavation by hand.

7.3.4 Roots discovered are to be treated with care and minor roots (<40mm diameter) pruned with a sharp, sterile handsaw or secateurs. All significant roots (>40mm diameter) are to be recorded, photographed and reported to the project arborist.

7.3.5 Targeted management options are to be discussed and finalised with the supervising arborist, on a tree-by-tree basis, based on findings following kerb demolition and the proposed plans. Any alterations to the standard construction plan (design/work methodology/construction material) are to be documented by the supervising arborist and relayed to site management (in writing).

7.3.6 Sub-surface foundation material is to be retained along all access ways, especially within the TPZ of these trees.

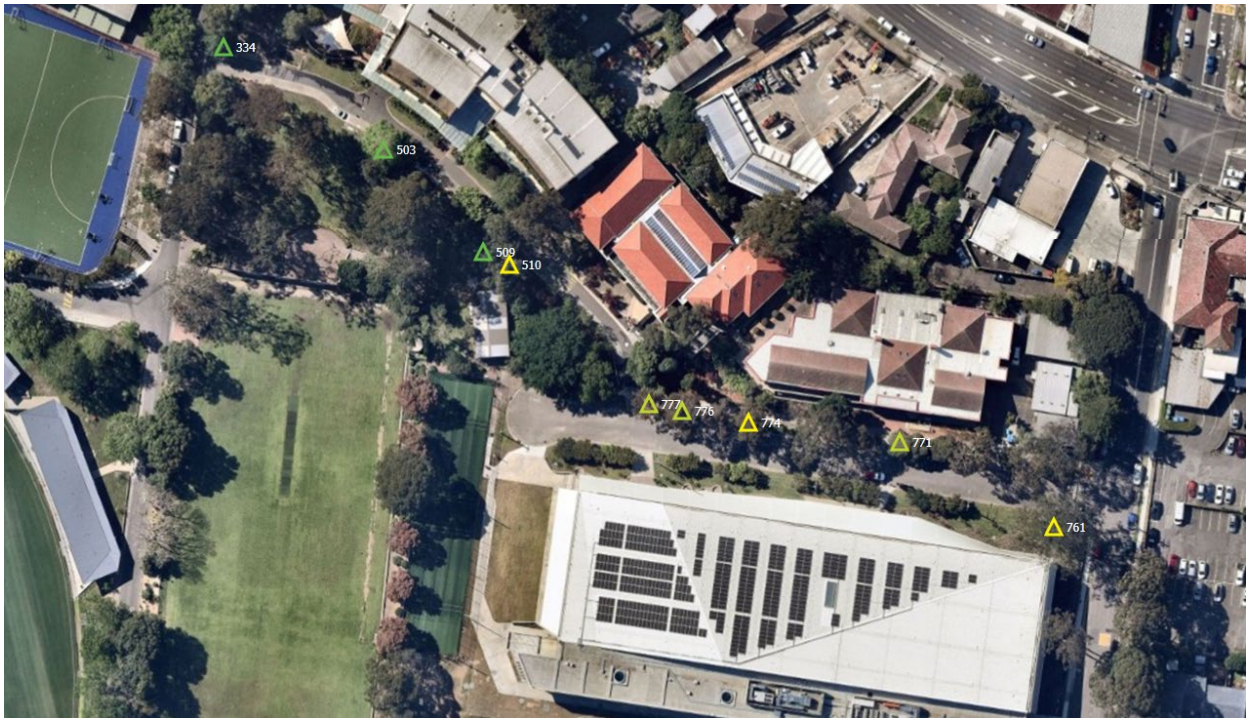


Figure 9. Site map showing tree requiring specific protection measures. (ArborPlan, June 2022).

7.4 Generic Protection and Reporting Measures

7.4.1 All retained trees require generic protection measure (Figure 10). Refer to Section 7.5–7.8 for further detail.

7.4.2 All trees to be retained require protection during the construction stage. Tree protection measures include a range of:

- Activities restricted within the TPZ
- Protective fencing
- Trunk and ground protection
- Tree protection signage
- Involvement from the project arborist
- Project milestones
- Compliance reporting

7.4.3 Activities Prohibited within the TPZ

- Machine excavation including trenching
- Storage
- Preparation of chemicals, including cement products
- Parking of vehicles and plant
- Refuelling
- Dumping of waste
- Wash down and cleaning of equipment
- Placement of fill
- Lighting of fires
- Soil level changes
- Temporary or permanent installation of utilities and signs
- Physical damage to the tree

7.5 Protective Fencing Specification

7.5.1 Protective fencing (Figure 10) is to be installed as far as practicable from the trunk of any retained trees. Fencing should be erected as per the image below before any machinery or materials are brought to site and before commencement of works (including demolition).

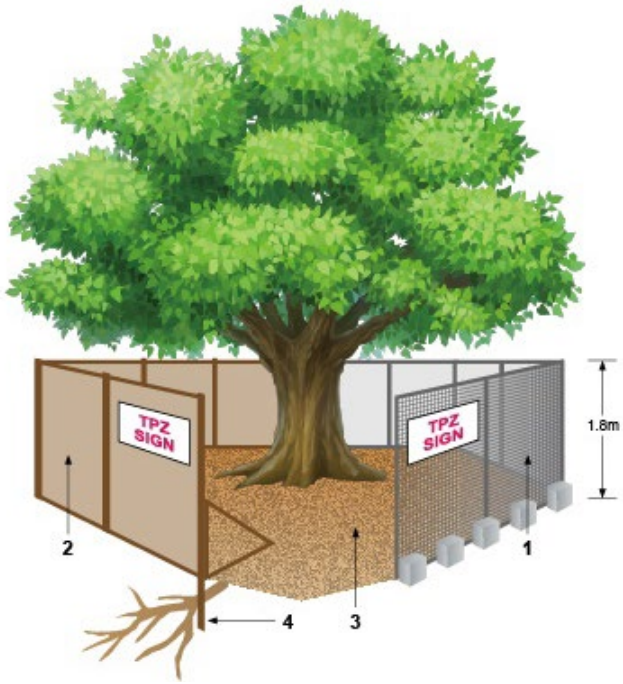
7.5.2 In some areas of the site (i.e. protection of trees on neighbouring properties) existing boundary fencing may be used as an alternative to protective fencing.

7.5.3 Once erected, protective fencing must not be removed or altered without approval from the project arborist. The TPZ fencing should be secured to restrict access.

7.5.4 TPZ fencing is to be a minimum of 1.8m high and mesh or wire between posts must be highly visible. Fence posts and supports should have a diameter greater than 20mm and should ideally be freestanding, otherwise be located clear of the roots. See image below.

7.5.5 Tree protection fencing must remain intact throughout all proposed construction works and must only be dismantled after their conclusion. The temporary dismantling of tree protection fencing must only be done with the authorisation of a consulting arborist and/or the responsible authority.

7.5.6 The subject trees themselves must also not to be used as a billboard to support advertising material. Affixing nails or screws into the trunks of trees to display signs of any type is not a recommended practice in the successful retention of trees.



Legend:
1. Chain wire mesh panels with shade cloth attached (if required), held in place with concrete feet
2. Alternative plywood or wooden paling fence panels. This fencing material also prevents building materials or soil entering the TPZ
3. Mulch installation across surface of TPZ (at discretion of the project arborist). No excavation, construction activity, grade changes, surface treatment or storage materials of any kind are permitted within the TPZ
4. Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots.

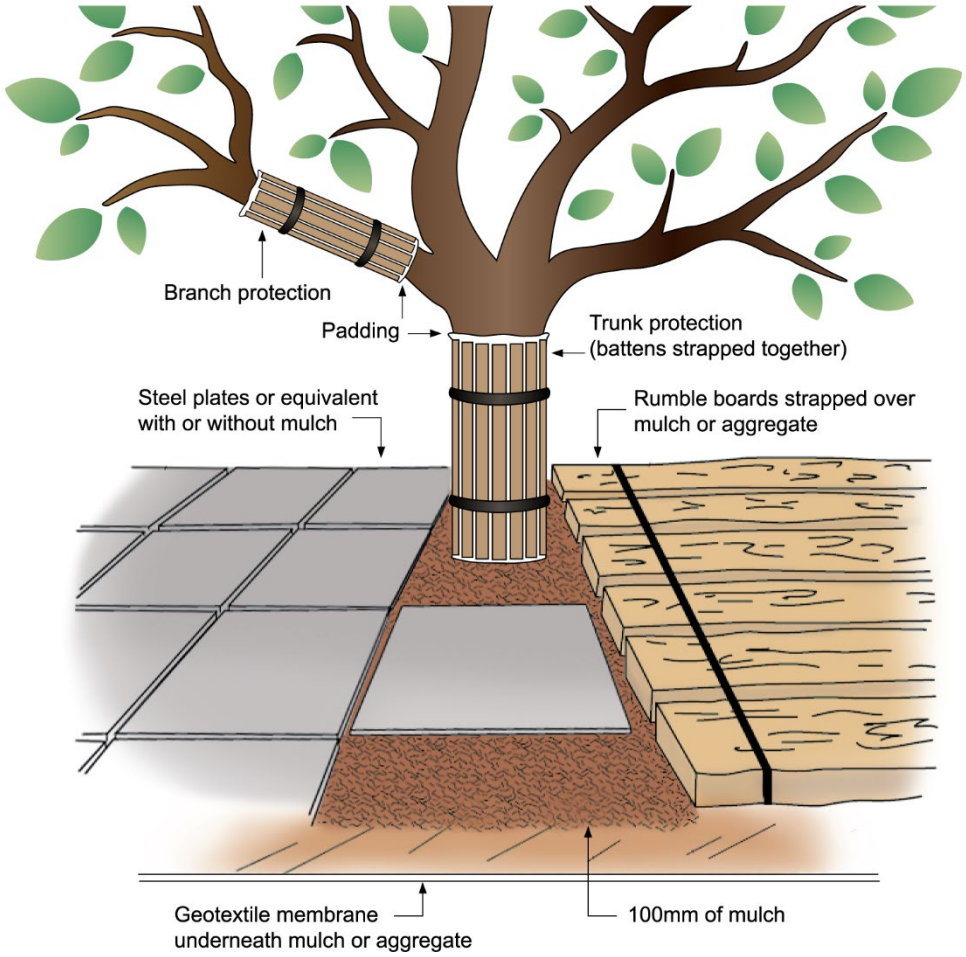
Figure 10. Depicts standard fencing techniques. (AS 4970–2009).

7.6 Trunk and Ground Protection

7.6.1 Given that proposed works are often within the TPZs of retained trees, standard protective fencing may not always be a viable method of protection. In these areas trunk protection and ground protection should be installed prior to the commencement of works and remain in place until after construction works have been completed.

7.6.2 Where construction access into the TPZ of retained trees cannot be avoided, the root zone of each tree must be protected using either steel plates or rumble board strapped over mulch/aggregate until such a time as permanent above ground surfacing (cellular confinement system or similar) is to be installed.

7.6.3 Trunk and ground protection (Figure 11) should be undertaken in line with the Australian Standard AS 4790–2009: *Protection of Trees on Development Sites* as per the image below:



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 11. Depicts trunk and ground protection techniques. (AS 4970–2009).

7.7 Tree Protection Signs

7.7.1 Signs identifying the TPZ (Figure 12) should be placed at 10m intervals around the edge of the TPZ and should be visible from within the development site.

Figure 12. Depicts standard fencing techniques. (AS 4970–2009).

7.8 Project Arborist

7.8.1 An official "Project Arborist" must be commissioned to oversee the tree protection, any works within the TPZ's and complete regular monitoring compliance certification.

7.8.2 The project arborist must have minimum five (5) years industry experience in the field of arboriculture, horticulture with relevant demonstrated experience in tree management on construction sites, and Diploma level qualifications in arboriculture – AQF Level 5.

7.8.3 Inspections are to be conducted by the project arborist at several key points during the construction in order to ensure that protection measures are being adhered to during construction stages and decline in tree health or additional remediation measures can be identified.

7.9 Project Milestones

7.9.1 The following visits and milestones were recommended as to when on-site tree inspection by the project arborist is required:

Item	Purpose of Visit	Timing of Visit(s)	Prerequisites
1	Pre-start induction	Following sign off from Item 1. Contractor to provide a minimum of five days advance notice for this visit.	Prior to commencement of works. All parties involved in the project to attend.
2	Supervision of works in TPZ's including all regrading and excavations	Whenever there is work planned to be performed within the TPZ's. Contractor to provide a minimum of five days advance notice for such visits.	
3	Regular site inspections	Minimum frequency monthly for the duration of the project.	The checklist must be completed by the Project Arborist at each site inspection and signed by both parties.
4	Final sign off	Following completion of works.	Practical completion of works and prior to tree protection removal.

7.10 Compliance Reporting

7.10.1 Following each inspection, the project arborist shall prepare a report detailing the condition of the trees. These reports should certify whether or not the works have been completed in compliance with the consent relating to tree protection.

7.10.2 These reports should contain photographic evidence where required to demonstrate that the work has been carried out as specified.

7.10.3 Matters to be monitored and included in these reports should include tree condition, tree protection measures and impact of site works which may arise from changes to the approved plans.

7.10.4 The reports and Compliance Statements shall be submitted to the Project Manager (as well as the Clients' nominated representative) following each inspection.

7.10.5 The reports and any Non-Compliance Statements shall be submitted to the Project Manager (as well as the Clients' nominated representative) if tree protection conditions have been breached. Reports should contain clear remedial action specifications to minimise any adverse impact on any subject tree.

7.11 Proposed Pruning

7.11.1 It is anticipated that only minor pruning, to facilitate vehicle access or building clearance, would be required to facilitate the development works. If required, the pruning would be no greater than 10% of the trees total crown spread which would have minimal impact on long term health, viability or longevity.

7.11.2 All pruning is recommended to be completed in accordance with the Australian Standard AS 4373–2007: *Pruning of Amenity Trees* (Standards Australia, 2007) and undertaken by a suitably qualified arborist (minimum AQF 3 arborist).

7.11.3 Reduction pruning should focus on the removal of smaller diameter branches where feasible and remove no greater than 10% of the total crown. Branches no greater than 50mm diameter are to be removed unless specifically approved by the project arborist.

7.12 Offset Tree Planting

7.12.1 Offset planting should reflect the number of trees removed and the initial loss of amenity and biomass. New trees should be of long-term potential and sourced from a reputable supplier.

7.12.2 Replacement tree species must suit their location on the site in terms of their potential physical size and their tolerance(s) to the surrounding environmental conditions. To avoid unethical or unprofessional tree selection and/or their placement within the landscape, replacement tree species must be selected in consultation with a consulting arborist, who can also assist in implementing successful tree establishment techniques.

7.12.3 Replacement tree species must have the genetic potential to reach a mature size potential of those trees removed to facilitate the development. As a guide, potential height will be a minimum of 10m (or more) and produce a spreading canopy so as they may provide amenity value to the property and contribute to the tree canopy of the surrounding area in the future.

7.13 Additional Excavation/Trenching within TPZs

7.13.1 In the event additional excavation is required within the TPZs of retained trees identified within this report, or any other site trees, arborist involvement will be required to ensure works are undertaken in accordance with the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites.*

7.13.2 Where excavation or trenching is required to facilitate installation of underground services within the TPZs of any site trees arborist supervision is required. Works should be undertaken using techniques that are sensitive to tree roots to avoid unnecessary damage. Such techniques include:

1. Excavation by hand
2. Excavation using a high-pressure water jet and vacuum truck
3. Excavation using an Air Spade with vacuum truck.

7.13.3 Machine excavation should be prohibited within the TPZs of retained trees unless undertaken at the direct consent from the project arborist and/or the responsible authority.

7.14 Plant Health Care

7.14.1 When managing a tree affected by development incursions within its TPZ, plant tonic and growth stimulant drenching should be undertaken. Plant tonic and growth stimulant drenching is the process of adding diluted products directly to the root area of a tree to promote and assist trees to cope with loss of roots during the development process. They also assist trees to provide better resistance to sap sucking insects and fungal attack/disease and improve the establishment of beneficial microbial populations and nutrient uptake. See Appendix D – Plant Health Care and Mulching

7.15 Irrigation

7.15.1 Regular checks are required to ensure retained trees are receiving the correct amount of water. The majority of a tree's fine water absorbing roots are located in the top 10–30cm of soil. To undertake a basic soil moisture test, dig a small hole to a depth of 40cm at the dripline of the tree. If the soil is moist at this depth, water is not needed. Slow irrigation that provides an even coverage and targets the absorbing roots is the key to successful irrigation and encourages a deeper tree root system. Irrigation near the trunk is unnecessary as for most trees there are generally fewer water absorbing roots in this area. Irrigating the soil from half-way between the trunk and the dripline as well as beyond the dripline will provide water where it will most effectively be used. Preferably, water your trees during the cooler evening and early morning period when temperatures are lower, humidity is higher, and the air is calmer thereby reducing water evaporation from the soil surface. Irrigation in the middle of the day is not harmful to most trees however it is less efficient.

7.16 Mulching

7.16.1 Mulching regulates soil moisture and temperature levels, suppresses weeds, minimises soil compaction and reduces run off during periods of heavy rain. Acquiring wood chip mulch from programmed tree works (and by purchasing it from local tree contractors) would be a proactive way to improve the growing conditions around trees that ultimately will result in improved tree health and vitality.

7.16.2 Mulch should aim to cover an area at least as large as a tree's crown projection (and preferably larger) for it to be effective. It should also be laid at a uniform thickness of 75–100mm. Mulch should also be placed over damp to wet soil and never over dry soil. Application during the cooler months of the year is ideal. In areas where grass exists where you wish to mulch, spray the grass first with a non-selective herbicide and allow it to wilt and die before placement. This practice will negate grass growing up through the mulch over time.

7.16.3 Mulching within the canopy areas of trees not only improves long term tree health but also acts to reduce tree risk by reducing targets that pass and/or congregate under their canopies. This in turn will minimise the likelihood of injury in the event of a branch failure.

8 References

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- Urban, J., 2008. *Up By Roots - Healthy Soils and Trees in the Built Environment.* Champaign (Illinois): International Society of Arboriculture.

Plans of the existing site and of the proposed development were provided to ArborSafe by the Client and include:

- Consolidated Plans, Issue B, Neeson Murcutt + Neille Architects, 13 May 2022
- (Draft) Barker Tree Plans, Neeson Murcutt + Neille Architects, 20 June 2022
- Barker College: SSDA Projects, Aquatics + Tennis Courts (AQ), Neeson Murcutt + Neille Architects, 25 May 2022
- Barker College: SSDA Projects, Co-Curricular Performing Arts + Arts + Exam Centre (PA), Neeson Murcutt + Neille Architects, 25 May 2022

Appendix A. Arboricultural Reporting Assumptions and Limiting Conditions

1. Any legal description provided to the consultant is assumed to be correct. Any titles and ownership of any property are assumed to be good. No responsibility is assumed for matters legal in character.
2. It is assumed that any property/project is not in violation of any applicable codes, ordinances, statutes or other government regulations.
3. Care has been taken to obtain all information from reliable sources. All data has been verified in so far as possible, however, the consultant can neither guarantee nor be responsible for the accuracy of the information provided by others.
4. The consultant shall not be required to give testimony or to attend court by reason of this report unless subsequent contractual arrangements are made, including payment of an additional fee for such services.
5. Loss or alteration of any part of this report invalidates the entire report.
6. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by anyone but the person to whom it is addressed, without the prior written consent of the consultant.
7. Neither all nor any part of the contents of this report, nor any copy thereof, shall be used for any purpose by anyone but the person to whom it is addressed, without the written consent of the consultant. Nor shall it be conveyed by anyone, including the Client, to the public through advertising, public relations, news, sales or other media, without the written consent of the consultant.
8. This report and any values expressed herein represent the opinion of the consultant and the consultant's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.
9. Sketches, diagrams, graphs and photographs in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering or architectural reports or surveys unless expressed otherwise.
10. Information contained in this report covers only those items that were examined and reflect the condition of those items at the time of inspection.
11. Inspection is limited to visual examination of accessible components without dissection, excavation or probing. There is no warranty or guarantee expressed or implied that the problems or deficiencies of the plants or property in question may not arise in the future.

Appendix B. Explanation of Tree Assessment Terms

Tree number: Refers to the individual identification number assigned within the ArborSafe software to each assessed tree on the site and the number which appears of the tree's tag.

Tree location: Refers to the easting and northing coordinates assigned to the location of the tree as obtained from the geo-referenced aerial image within the ArborSafe software.

Tree species: Provides the botanic name (genus, species, sub-species, variety and cultivar where applicable) in accordance with the International Code of Botanical Nomenclature (ICBN), and the accepted common name.

Trees in group: The number of trees encompassing a collective assessment of more than one tree. Typically grouped trees have similar attributes that can be encompassed within one data record.

Height: The estimated range in metres attributed to the tree from its base to the highest point of the canopy. Where required height will be estimated to the nearest metre.

Diameter at Breast Height (DBH): Refers to the tree's estimated trunk diameter measured 1.4m from ground level for a single trunked tree. These estimates increase in 50mm increments. Where required DBH will be measured to give an accurate measurement for single trunked trees, trees with multiple trunks, significant root buttressing, bifurcating close to ground level or trunk defects and will be measured as per the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites*.

Tree Protection Zone (TPZ): A specified area above and below ground and at a given distance measured radially away from the centre of the tree's trunk and which is set aside for the protection of its roots and crown. It is the area required to provide for the viability and stability of a tree to be retained where it is potentially subject to damage by development. The radius of the TPZ is calculated by multiplying its DBH by 12. TPZ radius = DBH × 12. (Note "Breast Height" is nominally measured as 1.4m from ground level).TPZ is a theoretical calculation and can be influenced by existing physical constraints such as buildings, drainage channels, retaining walls, etc. (Standards Australia, 2009).

Structural Root Zone (SRZ): The area close to the base of a tree required for the tree's anchorage and stability in the ground. The woody root growth and soil cohesion in this area are necessary to hold the tree upright. The SRZ is nominally circular with the trunk at its centre and is expressed by its radius in metres. SRZ radius = $(D \times 50)^{0.42 \times 0.64}$ (Standards Australia, 2009).

Canopy spread: The estimated range in metres attributed to the spread of the tree's canopy on its widest axis. Where required crown spread will be estimated to the nearest metre.

Origin: Refers to the origin of the species and its type.

Category	Description
Indigenous	Occurs naturally in the local area and is native to a given region or ecosystem.
State Native	Occurs naturally within State but is not indigenous.
Australian Native	Occurs naturally within Australia and its territories but is not a State native or indigenous.
Exotic Evergreen	Occurs naturally outside of Australia and its territories and typically retains its leaves throughout the year.
Exotic Deciduous	Occurs naturally outside of Australia and its territories and typically loses its leaves at least once a year.

Health: Refers to the health and vigour of the tree.

Category	Description
Excellent	Canopy full with even foliage density throughout, leaves are entire and are of an excellent size and colour for the species with no visible pathogen damage. Excellent growth indicators, e.g. seasonal extension growth. Exceptional specimen.
Good	Canopy full with minor variations in foliage density throughout, leaves are entire and are of good size and colour for the species with minimal or no visible pathogen damage. Good growth indicators, none or minimal deadwood.
Fair	Canopy with moderate variations in foliage density throughout, leaves not entire with reduced size and/or atypical in colour, moderate pathogen damage. Reduced growth indicators, visible amounts of deadwood, may contain epicormic growth.
Poor	Canopy density significantly reduced throughout, leaves are not entire, are significantly reduced in size and/or are discoloured, significant pathogen damage. Significant amounts of deadwood and/or epicormic growth, noticeable dieback of branch tips, possibly extensive.
Dead	No live plant material observed throughout the canopy, bark may be visibly delaminating from the trunk and/or branches.

Age: Refers to the life cycle of the tree.

Category	Description
Young	Newly planted small tree not fully established may be capable of being transplanted or easily replaced.
Juvenile	Tree is small in terms of its potential physical size and has not reached its full reproductive ability.
Semi-mature	Tree in active growth phase of life cycle and has not yet attained an expected maximum physical size for its species and/or its location.
Mature	Tree has reached an expected maximum physical size for the species and/or location and is showing a reduction in the rate of seasonal extension growth.
Senescent	Tree is approaching the end of its life cycle and is exhibiting a reduction in vigour often evidenced by natural deterioration in health and structure.

Structure: Refers to the structure of the tree from roots to crown.

Category	Description
Good	Sound branch attachments with no visible structural defects, e.g. included bark or acute angled unions. No visible wounds to the trunk and/or root plate. No fungal pathogens present.
Fair	Minor structural defects present, e.g. apical leaders sharing common union(s). Minor damage to structural roots. Small wounds present where decay could begin. No fungal pathogens present.
Poor	Moderate structural defects present, including bifurcations with included bark with union failure likely within 0–5 years. Wounding evident with cavities and/or decay present. Damage to structural roots.
Hazardous	Significant structural defects with failure imminent (3–6 months). Defects may include active splits and/or partial branch or root plate failures. Tree requires immediate arboricultural works to alleviate the associated risk.

Useful Life Expectancy (ULE): Useful life expectancy refers to an expected period of time the tree can be retained within the landscape before its amenity value declines to a point where it may detract from the appearance of the landscape and/or presents a greater risk and/or more hazards to people and/or property. ULE values consider tree species, current age, health, structure and location. ULE values are based on the tree at the time of assessment and do not consider future changes within the tree's location and environment which may influence the ULE value.

Category
0 Years
<5 Years
5–10 Years
10–15 Years
15–25 Years
25–50 Years
>50 Years

Defects: Visual observations made of the presenting defects of the tree and its growing environment that are, or have the capacity to impact upon, the health, structural condition and/or the useful life expectancy of the tree. Defects may include adverse physical traits or conditions, signs of structural weaknesses, plant disease and/or pest damage, tree impacts to assets or soil related issues.

Tree Significance: Includes environmental, social or historical reasons why the tree is significant to the site. The tree may also be rare under cultivation or have a rare or localised natural distribution.

Arborist Actions: A list of arboricultural and/or plant health care works that are aimed at maintaining or improving the tree's health, structural condition or form. Actions may also directly or indirectly reduce the risk potential of the tree such as via the removal of a particular branch or the moving of infrastructure from under its canopy.

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Appendix C. Tree Retention Values

Based upon a modified version of the British Standard BS 5837–2012: *Trees in relation to design, demolition and construction* – recommendations.

Category and definition	Criteria (including sub-categories where appropriate)		
Category U			
Trees in such a condition that they cannot realistically be retained as viable trees in the context of the current land use for longer than 5 years.	• Trees that have a severe structural defect that are not remediable such that their failure is expected within 12 months. • Trees that will become unviable after removal of other Category U trees (e.g. where for whatever reason the loss of companion shelter cannot be mitigated by pruning). • Trees that are dead or are showing signs of significant, immediate and irreversible overall decline. • Trees infected with pathogens of significance to the health and or safety of other trees nearby • Low quality trees suppressing adjacent trees of better quality. • Noxious weeds or species categorised as weeds within the local area. **Note:** Category U trees can have existing or potential conservation value* which might make it desirable to preserve.		
	1. Arboricultural Qualities	**2. Landscape qualities**	**3. Cultural and environmental values**
Category A			
Trees of High Quality with an estimated remaining life expectancy of at least 25 years and of dimensions and prominence that it cannot be readily replaced in <20 years.	Trees that are particularly good examples of their species, especially if rare or unusual (in the wild or under cultivation); or those that are important components of groups or avenues.	Trees or groups of significant visual importance as arboricultural and/or landscape features. (e.g. feature and landmark trees).	Trees, groups or plant communities of significant conservation, historical, commemorative or other value (e.g. remnant trees, aboriginal scar trees, critically endangered plant communities, trees listed specifically within a Heritage statement of significance).
Category B			
Trees of Moderate Quality with an estimated remaining life expectancy of 15–25 years and of dimensions and prominence that cannot be readily replaced within 10 years.	Trees that might be included within Category A but are downgraded because of diminished condition such that they are unlikely to be suitable for retention beyond 25 years.	Trees that are visible from surrounding properties and/or the street but make little visual contribution to the wider locality.	Trees with conservation or other cultural value (trees within conservation areas or landscapes described within a statement of significance, locally indigenous species).
Category C			
Trees of Low Quality with an estimated remaining life expectancy of 5–15 years, or young trees that are easily replaceable.	Trees of very limited value or such impaired condition that they do not qualify in higher categories.	Trees offering low or only temporary/transient landscape benefits.	Trees with no material conservation or other cultural value.

* Where trees would otherwise be categorised as U, B or C but have significant identifiable conservation, heritage or landscape value even though only for the short term, they may be upgraded, although they might be suitable for retention only.

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Tree Quality

		Health**			
		Excellent/ Good	Fair	Poor	Dead
Structure	Good	A	B	C	U
	Fair	B	B	C	U
	Poor	C	C	U	U
	Hazard *	U	U	U	U

* Structural hazard that cannot be remediated through mitigation works to enable safe retention.

** Trees of short term reduced health that can be remediated via basic, low cost plant health care works (e.g. mulching, irrigation etc.) may be designated in a higher health rating to ensure correct retention value nomination.

Category A	Typically trees in this category are of high quality with an estimated remaining life expectancy of at least 25 years and of dimensions and prominence that it cannot be readily replaced in <20 years. The tree may make significant amenity contributions to the landscape and may make high environmental contributions. In some cases, trees within this category may not meet the above criteria, however possess significant heritage or ecological value. Trees of this retention value warrant design consideration and amendment to ensure their viable retention.
Category B	Typically trees in this category are of moderate quality with an estimated remaining life expectancy of 15–25 years and prominence of size dimensions that cannot be readily replaced within 10 years. They may make moderate amenity contributions to the landscape and make low/moderate environmental contributions. Trees with this retention value warrant lesser design consideration in an attempt to allow for their retention.
Category C	Trees in this category are of low quality with an estimated remaining life expectancy of 5–15 years, or young trees that are easily replaceable, may have poor health and/or structure, are easily replaceable, or are of undesirable species and do not warrant design consideration.
Category U	Trees in this category are found to be in such a condition that they cannot realistically be retained as viable trees in the context of the current land use for longer than five years. These trees may be dead and/or of a species recognised as a weed that resulted in them being unretainable.

Appendix D. Plant Health Care and Mulching

Guide to plant health tonics and root growth stimulants

Considering the varying sizes of trees in common urban landscapes, it is suggested that an application volume of combined water and product solution of 80–150L for small to medium sized trees (5-10m height), 150–250L for medium to large sized trees (10-20m height) and 250–400L for large to very large sized trees (+20m height). Note: a lesser volume of total mixed product could be used if a more concentrated mix is drenched and water irrigation used to further drench the area and therefore dilute the stronger mix application.

The following product recommendations have been based on previous successful works undertaken by ArborSafe. The information provided is to be used as a general guide only, depending on your tree species, health or location. We recommend you always refer to the manufacturers label before applying any product. You may need to further consult with ArborSafe or your Project Arborist to develop a more specific program for your tree needs.

- **Soil Conditioner** concentrate such as Kelpro, Seasol or similar 600–800mL/100L of water. A concentration of beneficial nutrients stimulating plant growth and root establishment, ideal for trees under stress.
- **Nitrogen Boost** concentrate such as Nitrosol liquid plant food or similar 300mL/100L of water. A general-purpose fertilizer that contains a nitrogen boost (the most abundantly used element for tree growth). NB: Care must be taken when applying general fertilizer, particularly where plants can be affected Phosphorus toxicity.
- **Root Biostimulant** concentrate such as Auxinone or similar 400mL/100L of water. A scientific blend of hormone root growth stimulants and vitamins assisting in the regeneration of roots.
- **Microbial Formulation** concentrate such as Noculate Liquid or similar 500mL/100L of water. Generally containing strains of beneficial soil microorganisms, humic acid, kelp, essential amino acids, vitamins, biotin, folic acid and natural sugars designed to enhance the establishment of beneficial microbial populations.
- **Carbohydrate Energy Source** such as Molasses 500-800mL/100L of water. Molasses is the by-product of sugar refining. It contains all the nutrients from the raw sugarcane plant and is a carbohydrate energy source that feeds soil microorganisms and increases microbial activity.
- **Surfactant/Wetting Agent** (optional) such as Dispatch (Liquid) 200–300ml/100L of water. Improves the infiltration and penetration of applied water and irrigation.

We recommend you always refer to the manufacturers label before applying any product using the above as a guide only.

Guide to mulching and maintenance for established trees

Whether a tree is a newly planted young tree, or a well-established mature tree, the area around its base is a key factor in its long-term retention and viability. Maintaining a soil environment that is conducive to tree root development is vital for trees of all ages. This guide provides information on appropriate maintenance practices around the base of trees including mulching and the restriction of activities that may cause harm to tree roots or trunks.

1. Why mulch?

Mulching is a plant health care action which can be undertaken to improve plant and soil health (Figure 13), as well as overall landscape aesthetics. Placing an organic (or sometimes inorganic) material on the soil surface reduces the level of direct sunlight contact. Mulching should not be confused with composting which involves incorporating organic matter such as composts or manures into the soil profile. All plants in their natural ecologies (except for some arid and coastal ecologies) are naturally mulched by the falling of leaves, bark, flowers and other organic material.

This action is of great importance in successful cultivation of plants as it:

- assists in the regulation of soil moisture and temperature levels
- helps to suppress weeds
- minimises soil compaction
- reduces run-off during periods of heavy rain
- adds organic matter to the soil, and
- improves overall structure, nutrition and water holding composition.

Mulch is best comprised of organic materials such as wood chips, leaf litter, straw or hay as these will degrade over time. Long-term mulching improves soil health and structure as it encourages the activities of earthworms, microflora and beneficial fungi. Inorganic materials such as stones and gravel can be moderately effective as mulch but will not provide the ongoing improvements to soil health.

Figure 13. An excellent example of how to mulch a young tree. (Lachlan Andrews, September 2015).

2. How to mulch

- Apply mulch to damp soil, as placing over dry soil makes it difficult to rehydrate. Applying during the cooler months of the year is an ideal time.
- If mulching on top of a pre-existing grass area, grass or weeds must first be hand weeded and/or sprayed with a non-selective herbicide and left to wilt and die before applying mulch.
- Mulch should be applied at a uniform thickness of 75–100mm and re-applied approximately every 12 months. Do not place mulch up against the trunk of a tree as the damp mulch can cause bark to decay.
- Apply over a wide area, at least as large as a tree's crown projection (preferably larger), within and outside the current root mass to encourage lateral root development and expansion.
- Wood chip mulch (such as that generated from wood chippers) is considered an ideal mulch for landscape use as it contains a wide variety of materials that are of different sizes (such as bark, foliage and timber), is relatively cheap to purchase, and can be obtained in large quantities. Stockpiling of mulch after tree contractors have conducted works at a site is a way of generating 'free' mulch and ensuring that plant material from tree pruning and/or removals is recycled on site, not imported from external suppliers, saving costs and making the site more self-sustaining.
- The use of mulch made from pine bark or red gum chips are discouraged as they seldom degrade and therefore do not add nutrition to the soil profile. The uniform particle size and resin content can provide an impervious layer to water as well as retarding gaseous exchange.
- Mulching within the canopy areas of larger trees (Figure 14) can not only improve long-term tree health but can also act to reduce tree risk by decreasing the number of targets that pass and/or congregate under their canopies. This in turn will minimise the likelihood of injury in the event of a branch failure.
- When using wood chip mulch, ensure that if it has been made from live plant material that is stored and allowed to compost for between 3 and 6 months prior to use. Never apply fresh, 'green' mulch around trees as this can induce what is called the nitrogen drawdown, which can result in the removal of nitrogen from the soil resulting in plants with nutrient deficiencies.

For further information refer to the Australian Standard AS 4454–2012: *Composts, Soil Conditioners and Mulches*.

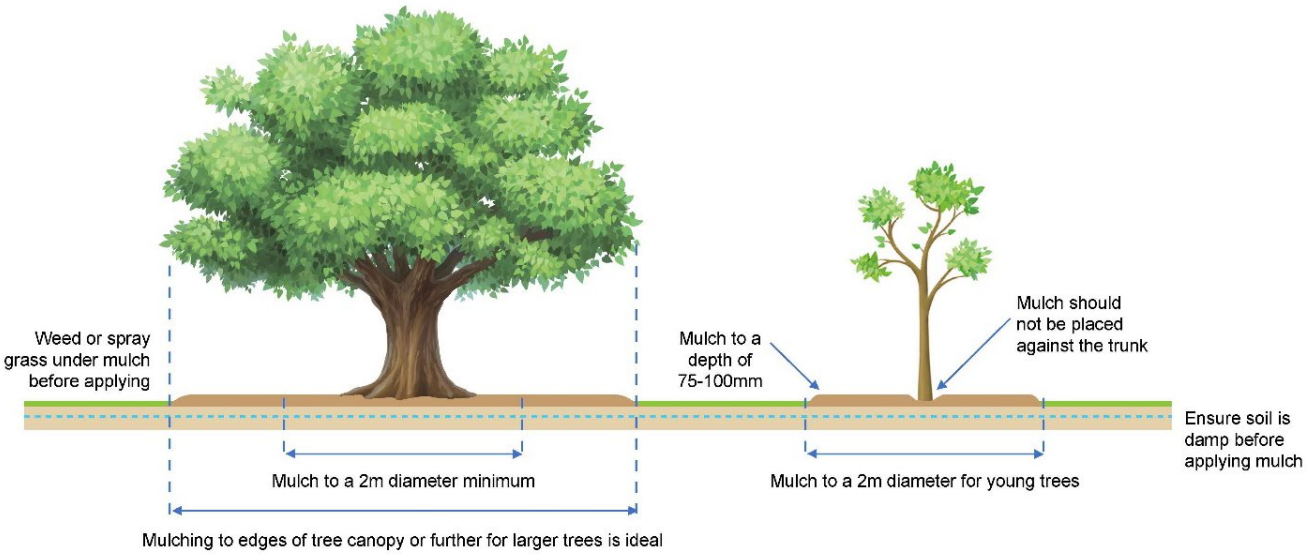

Figure 14. Mulching established and young trees (ArborSafe Australia, 2020).

3. Root and trunk damage

The function of tree roots is primarily to provide water and nutrient uptake for the tree, provide stability through structural roots that anchor it to the ground and as a means of food and nutrient storage. Damage to tree roots can lead to a reduction to any or all of these functions.

Damage to tree roots (Figure 15 and Figure 16) and the lower portion of a tree's trunk is a common and often unnecessary occurrence that can lead to the entry of decay fungi into a tree's structural framework. Once present, decay may develop in larger structural roots and/or the base of the trunk, which can result in a reduction in tree health and in severe cases even compromise stability.

Works such as trenching and excavation are often the cause of root damage to trees. Refer to ArborSafe's Guide – Tree protection during construction or the Australian Standard AS 4970–2009: *Protection of Trees on Development Sites* for things to consider when performing construction activities near trees.

Everyday activities such as grass cutting via mowing or brush cutters can result in serious root damage or wounding to the lower trunk. Young trees with their trunks damaged by machinery often need replacing, while damage to the trunks and/or surface roots of established trees is not only detrimental to tree health but can also result in costly repairs to machinery.

Another advantage to mulching around the trunk and root crown is that it limits damage to both parts from mowing equipment. This in turn reduces mechanical damage and compaction.

Figure 15. An example of damage to tree roots caused via mowing. (Luke Dawson, June 2017).

Figure 16. Image showing wound caused to upper portion of surface root by mower. (Luke Dawson, June 2017).

4. How to avoid root and trunk damage

The following points serve to highlight ways to avoid damage to tree roots and trunks caused via grass cutting activities:

- Mulching around young and established trees negates the need for brush cutter and/or lawn mower use around the base of a tree. Mulching therefore not only creates a barrier between tree roots and trunk that are susceptible to damage, it improves soil condition, minimises soil compaction and decreases the total area required for mowing.
- Where mulching is not feasible, raising the cutting height of mowers and maintaining grass at a greater height can avoid unnecessary 'scalping' of roots and damage to mowers/blades.
- Where surface roots are located away from the trunk and in a location where neither the application of mulch nor the raising of mower height is inappropriate, it may be possible to raise the soil grade directly around the root/s to minimise damage. It is important that the application of new material does not result in significant changes to the soil profile that may inadvertently damage roots. Material applied should be permeable and allow the development of turf which will protect the roots. Coarse sand or a planting mix with a high sand to organic matter ratio (e.g. 80/20 mix) spread at a depth of 75–100mm could suitably protect the surface root from damage, while allowing turf to redevelop within the area.
- ArborSafe is able to answer any questions regarding the material, depth and method of application to be used to ensure the tree/s remain viable for the long-term.

Appendix E. Detailed Site Maps

Figure 17. Trees subject to this report as represented in the ArborPlan Tree Management system. Note tree icon colour represents existing risk status (not Retention Value). (ArborPlan, June 2022).

Figure 18. MAP 1 - Trees subject to this report as represented in the ArborPlan Tree Management system. Note tree icon colour represents existing risk status (not Retention Value). (ArborPlan, June 2022).

Figure 19. MAP 2 - Trees subject to this report as represented in the ArborPlan Tree Management system. Note tree icon colour represents existing risk status (not Retention Value). (ArborPlan, June 2022).

Figure 20. MAP 3 - Trees subject to this report as represented in the ArborPlan Tree Management system. Note tree icon colour represents existing risk status (not Retention Value). (ArborPlan, June 2022).

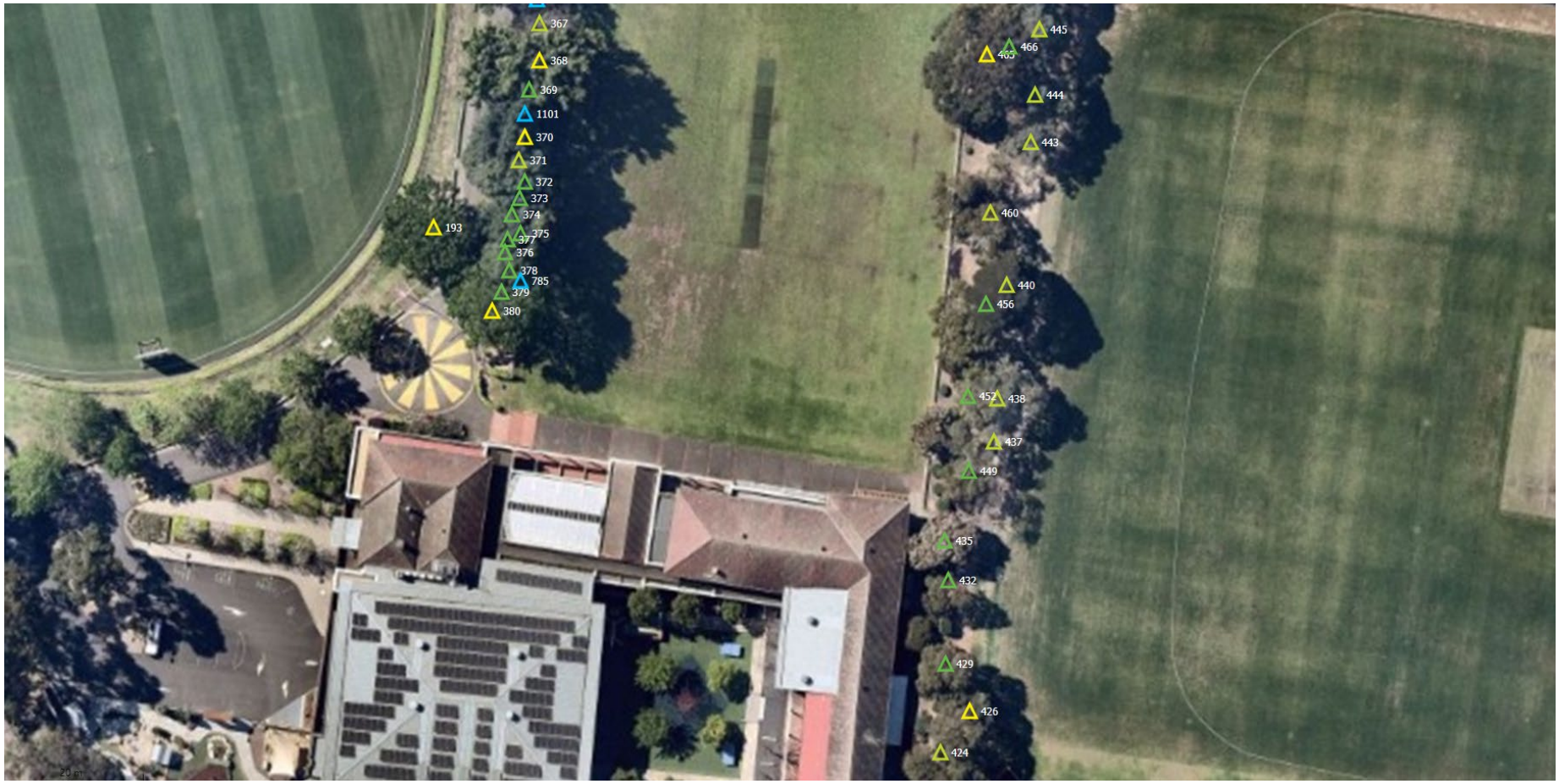

Figure 21. MAP 4 - Trees subject to this report as represented in the ArborPlan Tree Management system. Note tree icon colour represents existing risk status (not Retention Value). (ArborPlan, June 2022).

Figure 22. MAP 5 - Trees subject to this report as represented in the ArborPlan Tree Management system. Note tree icon colour represents existing risk status (not Retention Value). (ArborPlan, June 2022).

Figure 23. MAP 6 - Trees subject to this report as represented in the ArborPlan Tree Management system. Note tree icon colour represents existing risk status (not Retention Value). (ArborPlan, June 2022).

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Appendix F. Tree Assessment Data

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
93	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	35	43	**4.2**	55.42	**2.3**	10-15	5-10	Good	Good	Mature	25-50		Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
105	*Schinus terebinthifolius*	Brazilian Pepper Tree	Exotic	1	60	66	**7.2**	162.86	**2.8**	5-10	10-15	Good	Fair	Mature	15-25	Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Poor pruning; Previous failure(s); Wound(s);	Amenity value/shade;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
106	*Corymbia maculata*	Spotted Gum	Native	1	50	55	**6.0**	113.10	**2.6**	20-30	10-15	Good	Good	Mature	>50	Co-dominant stems;	Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping		A		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
107	*Corymbia citriodora*	Lemon-scented Gum	Native	1	30	33	**3.6**	40.72	**2.1**	15-20	5-10	Good	Good	Semi-Mature	>50	Deadwood/stubs < 30mm;	Amenity value/shade;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
108	*Corymbia maculata*	Spotted Gum	Native	1	40	44	**4.8**	72.38	**2.3**	15-20	5-10	Good	Good	Semi-Mature	>50	Previous failure(s);	Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
193	*Liquidambar styraciflua*	Sweet Gum	Exotic	1	68	85	**8.2**	209.18	**3.1**	15-20	15-20	Good	Fair	Mature	15-25	Crossing/rubbing branches; Deadwood/stubs > 60mm; Epicormic growth; Girdling root(s); Hanger(s); Included bark; Previous failure(s);	Amenity value/shade; Avenue tree; Screen value; Attractive landscape feature;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. ~30mm diameter hanger lower eastern canopy over road. 04-08-2021 : Jamie Oates : Tree assessed. No signs of union separation observed.	A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
196	*Liquidambar styraciflua*	Sweet Gum	Exotic	1	27	92	**3.2**	32.98	**3.2**	20-30	10-15	Good	Fair	Mature	10-15	Damaging infrastructure; Deadwood/stubs > 60mm; Epicormic growth; Hanger(s); Mechanical damage to root(s); Parasitic plant/mistletoe; Previous failure(s);	Amenity value/shade; Avenue tree; Attractive landscape feature; Significant due to age/size; Screen value;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. Deadwood and small diameter (~20 mm) hanger over road. 11-08-2021 : Jamie Oates : Tree assessed. Evidence of multiple limb failures observed. Hangers have been removed.	A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
197	*Liquidambar styraciflua*	Sweet Gum	Exotic	1	49	59	**5.9**	108.62	**2.7**	15-20	10-15	Good	Good	Semi-Mature	25-50	Deadwood/stubs < 30mm; Included bark; Mechanical damage to root(s);	Amenity value/shade; Avenue tree; Attractive landscape feature; Screen value;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
198	*Liquidambar styraciflua*	Sweet Gum	Exotic	1	55	72	**6.6**	136.85	**2.9**	15-20	10-15	Good	Good	Mature	25-50	Deadwood/stubs < 30mm; Epicormic growth; Mechanical damage to root(s); Soil compaction; Wound(s);	Amenity value/shade; Avenue tree; Screen value; Attractive landscape feature;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 11-08-2021 : Jamie Oates : Tree assessed. No signs of decline or root plate movement observed.	A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
203	*Liquidambar styraciflua*	Sweet Gum	Exotic	1	52	67	**6.2**	122.33	**2.8**	15-20	15-20	Good	Fair	Mature	25-50	Epicormic growth; Excessive end weight; Mechanical damage to root(s); Poor pruning; Previous failure(s); Soil compaction; Wound(s);	Amenity value/shade; Avenue tree; Attractive landscape feature; Screen value;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 11-08-2021 : Jamie Oates : Tree assessed. Reduce lengthy north-eastward limb at 6m by 30% length to reduce loading.	A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
207	*Liquidambar styraciflua*	Sweet Gum	Exotic	1	19	30	**2.3**	16.33	**2.0**	5-10	<5	Good	Fair	Juvenile	>50	Mechanical damage to root(s); Soil grade changes;	Amenity value/shade;	Stage 1 - Landscaping	11-08-2021 : Jamie Oates : Tree assessed. No signs of root plate movement observed. 20-07-2020 : Tom Axford : Tree assessed. Storm water infrastructure installed ~1.5m from trunk eastern aspect. Monitor root plate for signs of movement following inclement weather.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
279	*Araucaria heterophylla*	Norfolk Island Araucaria	Native	1	64	70	**7.7**	185.30	**2.8**	15-20	10-15	Good	Good	Mature	>50	Deadwood/stubs < 30mm;	Amenity value/shade; Attractive landscape feature; Screen value;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : 02636 Existing retaining walk 1m east of trunk base. 04-08-2021 : Jamie Oates : Tree assessed.	A	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
280	*Cupressus sempervirens 'Stricta'*	Pencil Pine	Exotic	1	42	50	**5.0**	78.44	**2.5**	5-10	<5	Good	Fair	Mature	15-25	Co-dominant stems; Included bark; Soil problems;	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : 02636 Timber retaining wall -0.5m east of trunk base. 04-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
281	*Cupressus sempervirens 'Stricta'*	Pencil Pine	Exotic	1	34	45	**4.1**	52.30	**2.4**	5-10	<5	Good	Good	Mature	25-50	Soil problems;	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : 02636 Timber retaining wall -0.5m east of trunk base. 04-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
282	*Eriobotrya japonica*	Loquat	Exotic	1	14	23	**2.0**	12.57	**1.8**	<5	<5	Good	Fair	Semi-Mature	15-25	Wound(s);	Amenity value/shade; Screen value;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
283	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	56	70	**6.7**	141.87	**2.8**	10-15	10-15	Fair	Fair	Semi-Mature	10-15	Co-dominant stems; Deadwood/stubs < 30mm; Dieback; Disease pathogens; Fungal fruiting body(s); Mechanical damage to root(s); Soil grade changes; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 22-11-2021 : Tom Axford : Check BGHF & retention value 04-08-2021 : Jamie Oates : Tree assessed. Send tissue sample to RBG for analysis as per previous comment. Health remains fair, with relatively sparse canopy observed which is likely the result of the tissue pathogen observed on the lower trunk. 20-07-2020 : Tom Axford : Tree assessed. Newly developed basal wound with mycelium. Canopy density slightly reduced. Obtain tissue sample and send to RBG for analysis.	B	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
288	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	12	15	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	10-15	Suppressed;		Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
289	*Syzygium paniculatum*	Magenta Brush Cherry	Native	1	51	58	**6.2**	119.30	**2.6**	10-15	5-10	Good	Fair	Mature	25-50	Co-dominant stems; Included bark; Poor pruning;	Amenity value/shade; Significant habitat - nests/hollows;	Stage 1 - Landscaping	11-08-2021 : Jamie Oates : Tree assessed. Nest box at 4m.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
290	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	10	14	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Semi-Mature	15-25	Suppressed;	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
291	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	24	28	**2.9**	26.06	**1.9**	5-10	5-10	Poor	Fair	Mature	<5	Co-dominant stems; Deadwood/stubs > 60mm; Dieback; Excessive thinning; Wound(s);		Stage 1 - Landscaping	11-08-2021 : Jamie Oates : Tree assessed. Tree remains. 18-01-2017 : Tom Axford : 2017 JAN Tree reassessed. Tree in an advanced and irreversible state of decline, remove and replace.	U		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
292	*Syzygium smithii*	Lilly Pilly	Endemic	1	27	40	**3.2**	32.44	**2.3**	5-10	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Included bark;	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
293	*Acer palmatum ssp. palmatum*	Japanese Maple	Exotic	1	20	21	**2.4**	18.10	**1.7**	<5	<5	Good	Good	Semi-Mature	10-15	Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	11-08-2021 : Jamie Oates : Tree assessed. 20-07-2020 : Tom Axford : Tree assessed. Sun scald to tagged tree.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
294	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	20	22	**2.4**	18.10	**1.8**	<5	<5	Good	Fair	Juvenile	15-25	Co-dominant stems; Crossing/rubbing branches; Included bark;	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
295	*Agathis robusta*	Queensland Kauri	Native	1	33	51	**4.0**	49.27	**2.5**	15-20	<5	Excellent	Excellent	Semi-Mature	>50		Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
296	*Acer palmatum ssp. palmatum*	Japanese Maple	Exotic	1	27	35	**3.3**	33.70	**2.1**	<5	5-10	Fair	Fair	Mature	5-10	Borers/termites; Cavity(s); Co-dominant stems; Dieback; Epicormic growth; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	11-08-2021 : Jamie Oates : Tree assessed. 20-07-2020 : Tom Axford : Tree assessed. Sun scald and basal cavity developing.	C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
297	*Glochidion ferdinandi*	Cheese Tree	Endemic	1	25	38	**3.0**	28.32	**2.2**	5-10	5-10	Good	Fair	Juvenile	15-25	Co-dominant stems; Included bark; Suppressed; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
298	*Harpullia pendula*	Tulipwood	Exotic	1	44	56	**5.3**	89.39	**2.6**	5-10	5-10	Good	Good	Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
300	*Banksia integrifolia*	Coast Banksia	Endemic	1	30	43	**3.6**	40.72	**2.3**	10-15	5-10	Good	Good	Mature	25-50	Deadwood/stubs < 30mm; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
302	*Melaleuca quinquenervia*	Broad-leaved Paperbark	Endemic	1	45	50	**5.4**	91.61	**2.5**	10-15	5-10	Good	Good	Semi-Mature	25-50	Co-dominant stems; Included bark;	Amenity value/shade;	Stage 1 - Landscaping		B	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
303	*Elaeocarpus grandis (syn. E. angustifolius)*	Blue Quandong	Native	1	20	22	**2.4**	18.10	**1.8**	15-20	5-10	Good	Good	Semi-Mature	25-50		Amenity value/shade;	Stage 1 - Landscaping		B	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
305	*Banksia integrifolia*	Coast Banksia	Endemic	1	25	28	**3.0**	28.27	**1.9**	5-10	5-10	Good	Good	Semi-Mature	25-50	Suppressed;	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
307	*Casuarina glauca*	Swamp she-oak	Native	1	35	39	**4.2**	55.42	**2.2**	15-20	5-10	Good	Good	Semi-Mature	25-50	Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	11-08-2021 : Jamie Oates : Tree assessed. Included western stem has been removed.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
308	*Casuarina glauca*	Swamp she-oak	Native	1	50	55	**6.0**	113.10	**2.6**	15-20	5-10	Good	Fair	Mature	25-50	Co-dominant stems; Included bark; Previous failure(s);	Amenity value/shade;	Stage 1 - Landscaping	11-08-2021 : Jamie Oates : Tree assessed. No signs of union separation observed.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
309	*Casuarina glauca*	Swamp she-oak	Native	1	35	39	**4.2**	55.42	**2.2**	10-15	5-10	Good	Good	Semi-Mature	25-50	Wound(s);	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
310	*Acer palmatum ssp. palmatum*	Japanese Maple	Exotic	6	10	11	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Semi-Mature	25-50	Co-dominant stems;	Amenity value/shade;	Stage 1 - Landscaping		C		Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
312	*Corymbia maculata*	Spotted Gum	Native	1	54	65	**6.5**	131.92	**2.8**	20-30	10-15	Good	Good	Mature	>50	Deadwood/stubs < 30mm;	Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 05-08-2021 : Jamie Oates : Tree assessed. Prune from roofline to achieve a 1.5m clearance.	A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
313	*Cedrus deodara*	Himalayan Cedar	Exotic	1	45	50	**5.4**	91.61	**2.5**	15-20	5-10	Good	Good	Mature	>50		Attractive landscape feature; Amenity value/shade; Screen value;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed.	A		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
314	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	15	17	**2.0**	12.57	**1.6**	10-15	<5	Good	Good	Juvenile	>50		Amenity value/shade; Rare or localised distribution; Protected species;	Stage 1 - Landscaping	05-08-2021 : Jamie Oates : Tree assessed. This tree is located within the Critically Endangered Ecological Community (CEEC) know as Blue Gum High Forest.	C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
315	*Metasequoia glyptostroboides*	Dawn Redwood	Exotic	1	50	55	**6.0**	113.10	**2.6**	15-20	5-10	Good	Good	Mature	>50	Deadwood/stubs > 30mm; Hanger(s);	Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. Insignificant deadwood hangers.	A		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
316	*Brachychiton acerifolius*	Illawarra Flame Tree	Native	1	42	51	**5.0**	79.80	**2.5**	10-15	5-10	Good	Fair	Mature	15-25	Damaging infrastructure; Deadwood/stubs > 30mm; Suppressed; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	05-08-2021 : Jamie Oates : Tree assessed. Small volume of deadwood remains. Damage to gutter is minor. 05-03-2014 : Alex Austin : Lifting concrete gutter.	B	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
317	*Acer palmatum ssp. palmatum*	Japanese Maple	Exotic	1	22	45	**2.7**	22.35	**2.4**	5-10	5-10	Good	Fair	Mature	15-25	Cavity(s); Co-dominant stems; Crossing/rubbing branches; Included bark; Previous failure(s); Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	05-08-2021 : Jamie Oates : Tree assessed. Defects are minor in severity.	B	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
318	*Acer palmatum ssp. palmatum*	Japanese Maple	Exotic	1	30	33	**3.6**	40.72	**2.1**	<5	5-10	Good	Fair	Mature	10-15	Co-dominant stems; Crossing/rubbing branches; Deadwood/stubs < 30mm; Suppressed; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping		C		Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
319	*Pinus halepensis*	Aleppo Pine	Exotic	1	35	39	**4.2**	55.42	**2.2**	15-20	5-10	Good	Good	Semi-mature	25-50		Commemorative tree; Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
331	*Lophostemon confertus*	Queensland Box	Endemic	1	85	94	**10.2**	326.85	**3.2**	15-20	10-15	Good	Good	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Previous failure(s); Wound(s);	Amenity value/shade;	Stage 1 - Landscaping		A		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
332	*Agathis robusta*	Queensland Kauri	Native	1	20	22	**2.4**	18.10	**1.8**	10-15	<5	Good	Good	Juvenile	>50		Amenity value/shade;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
333	*Acacia elata*	Cedar Wattle	Native	1	50	55	**6.0**	113.10	**2.6**	15-20	5-10	Good	Fair	Mature	5-10	Borers/termites; Decay; Dieback; Fungal fruiting body(s); Resin exudation/kino; Wound(s);	Amenity value/shade; Attractive landscape feature; Particularly old/venerable; Significant due to age/size;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. Fungal fruiting body lower eastern aspect increasing in dimensions. Health unaltered. 06-08-2021 : Jamie Oates : Tree assessed. Both previous comments apply. Health has improved. Continue monitoring crown for signs of decline which could indicate root crown decay and/or increasing damage to the vascular tissue as a result of jewel beetle damage. 20-07-2020 : Tom Axford : Tree assessed. Secondary fungal fruiting structure lower eastern aspect, and appears to be Ganoderma spp. Third fungal fruiting body lower southern trunk. No audible resonance to indicate internal decay. No decline in tree health observed. 03-12-2019 : Tom Axford : Tree assessed. ~40mm diameter fungal fruiting body lower trunk eastern aspect. No audible resonance detected to indicate significant decay when area sounded out. Live Jewel beetle larvae observed in trunk wound which now occupies ~40% circumference to ~1.8m on the southern aspect of the trunk. Specimen health may decline rapidly. Ground staff to monitor tree health for decline. Single piece of deadwood upper northern canopy over pedestrian walkway. Minimal dieback observed.	C	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
334	*Syzygium paniculatum*	Magenta Brush Cherry	Native	1	30	33	**3.6**	40.72	**2.1**	5-10	5-10	Good	Fair	Semi-Mature	25-50	Co-dominant stems;	Amenity value/shade;	Stage 1 - Landscaping		C		Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
341	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	60	66	**7.2**	162.86	**2.8**	20-30	15-20	Good	Good	Semi-Mature	>50	Deadwood/stubs < 30mm;	Amenity value/shade; Attractive landscape feature; Significant due to age/size; Rare or localised distribution; Protected species;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 06-08-2021 : Jamie Oates : Tree assessed. This tree is located within the Critically Endangered Ecological Community (CEEC) know as Blue Gum High Forest.	A	13	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
342	*Eucalyptus paniculata*	Grey Ironbark	Endemic	1	40	44	**4.8**	72.38	**2.3**	20-30	10-15	Good	Fair	Semi-Mature	15-25	Included bark; Previous failure(s); Uncharacteristic form; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	Multiple small diameter, included unions observed.	B	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
344	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	20	22	**2.4**	18.10	**1.8**	5-10	5-10	Fair	Fair	Semi-Mature	5-10	Co-dominant stems; Poor pruning; Suppressed;		Stage 1 - Landscaping	06-08-2021 : Jamie Oates : Tree assessed. Remove lopped stem on western side.	C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
345	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	90	99	**10.8**	366.44	**3.3**	20-30	15-20	Good	Fair	Mature	25-50	Bird browsing damage; Cavity(s); Crack(s)/split(s); Deadwood/stubs < 30mm; Decay; Weak union(s); Wound(s);	Amenity value/shade; Attractive landscape feature; Significant habitat - nests/hollows; Rare or localised distribution; Dominant landscape feature; Protected species; Significant due to age/size;	Stage 1 - Landscaping	11-04-2022 : Tom Axford : Tree assessed. 22-03-2022 : Andy Clark : A previous aerial assessment had been undertaken on the subject tree in 2014 which identified a number of wounds, cavities and ongoing bird browsing damage. Remedial pruning was recommended at the time on various defects and has largely been completed. An aerial re-assessment was undertaken on the 19 Jan 2022 to gauge the rate of deterioration in known defects along with identifying any significant new defects. Three (3) previous defects were reassessed (Defects 2, 3 and 4) with one (1) additional defect (Defect 1) identified. Defect 1 – Bird browsing damage at 5.5m. Defect 2 – Stem wound, with associated bird browsing cambial damage at 10.3m southern aspect. Defect 4 – Stem wound, with associated cavity at 18.4m stem union Defect 3 a wounded/decayed stem/branch union, with associated bird browsing cambial damage at 12.5m stem union, was considered to have deteriorated to the point it potentially affects the stability of the upper crown and requires reduction pruning to mitigate the potential for branch failure. Reduce the overall length of the western limb at 12.5m, by ~4–5m to alleviate load on the defect. Defect 3 requires an aerial reinspection within 3 years (i.e. no later than January 2025). The other three (3) defects were considered stable at the current assessment. Continue to monitor for obvious structural deterioration as part of the regular tree assessment program. Refer to the attached aerial report for full details. Further aerial assessment will be at the discretion of the assessing arborist.	A	3	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
346	*Brachychiton acerifolius*	Illawarra Flame Tree	Native	1	25	28	**3.0**	28.27	**1.9**	5-10	5-10	Good	Good	Semi-Mature	15-25		Amenity value/shade;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
351	*Syncarpia glomulifera*	Turpentine	Endemic	1	90	106	**10.8**	366.44	**3.4**	15-20	10-15	Good	Good	Mature	25-50		Amenity value/shade; Attractive landscape feature; Avenue tree;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed.	A	13	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
352	*Buckinghamia celsissima*	Ivory Curl Tree	Native	1	18	30	**2.2**	15.29	**2.0**	5-10	5-10	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Included bark; Previous failure(s); Suppressed;	Amenity value/shade; Screen value; Avenue tree;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Located on raised garden bed treated one retaining wall to the west. 11-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
353	*Castanospermum australe*	Black Bean	Native	1	40	42	**4.8**	72.38	**2.3**	5-10	5-10	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Included bark; Suppressed;	Amenity value/shade; Screen value; Avenue tree;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Located on raised garden bed treated one retaining wall to the west. 11-08-2021 : Jamie Oates : Tree assessed.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
354	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	20	34	**2.4**	17.73	**2.1**	<5	5-10	Good	Fair	Mature	10-15	Co-dominant stems; Poor pruning; Suppressed;	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Located on raised garden bed treated one retaining wall to the west. 11-08-2021 : Jamie Oates : Tree assessed. Tree remains. 25-02-2013 : Alex Austin : Removal will improve conditions for surrounding trees.	C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
355	*Syzygium floribundum*	Weeping Lilly Pilly	Native	1	97	126	**11.6**	422.03	**3.6**	10-15	10-15	Good	Fair	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Epicormic growth; Wound(s);	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value; Significant due to age/size;	Stage 1 - Landscaping		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
356	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	20	28	**2.4**	18.10	**1.9**	5-10	<5	Good	Good	Mature	25-50		Amenity value/shade; Screen value; Avenue tree;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Located on raised garden bed treated one retaining wall to the west. 11-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
357	*Photinia glabra 'Rubens'*	Red-leaved Photinia	Exotic	1	17	26	**2.1**	13.30	**1.9**	<5	<5	Fair	Fair	Semi-Mature	5-10	Co-dominant stems; Deadwood/stubs < 30mm; Dieback; Epicormic growth; Poor pruning; Suppressed;	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Located on raised garden bed treated one retaining wall to the west. 11-08-2021 : Jamie Oates : Tree assessed.	C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
358	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	46	60	**5.5**	95.73	**2.7**	10-15	10-15	Good	Good	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Epicormic growth;	Amenity value/shade; Avenue tree; Significant due to age/size; Attractive landscape feature; Screen value;	Stage 1 - Landscaping		A	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
359	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	68	73	**8.2**	210.86	**2.9**	10-15	10-15	Good	Good	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Epicormic growth; Included bark;	Amenity value/shade; Avenue tree; Attractive landscape feature; Screen value; Significant due to age/size;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 11-08-2021 : Jamie Oates : Tree assessed. No signs of union separation observed.	A	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
360	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	37	43	**4.5**	63.42	**2.3**	10-15	5-10	Good	Good	Semi-Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Epicormic growth;	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
362	*Syzygium paniculatum*	Magenta Brush Cherry	Native	1	87	109	**10.5**	344.22	**3.4**	15-20	10-15	Good	Fair	Mature	25-50	Co-dominant stems; Included bark; Poor pruning; Previous failure(s); Wound(s);	Amenity value/shade; Avenue tree; Attractive landscape feature; Significant due to age/size; Screen value;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 13-08-2021 : Jamie Oates : Tree assessed. No signs of union separation observed.	A	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
363	*Lophostemon confertus*	Queensland Box	Endemic	1	54	90	**6.4**	130.65	**3.2**	10-15	5-10	Good	Good	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm;	Amenity value/shade; Avenue tree; Significant due to age/size; Attractive landscape feature; Screen value;	Stage 1 - Landscaping		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
364	*Syzygium paniculatum*	Magenta Brush Cherry	Native	1	53	91	**6.4**	127.53	**3.2**	10-15	5-10	Good	Good	Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Deadwood/stubs < 30mm; Epicormic growth; Included bark; Wound(s);	Amenity value/shade; Avenue tree; Attractive landscape feature; Screen value;	Stage 1 - Landscaping		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
365	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	30	31	**3.6**	40.72	**2.0**	10-15	5-10	Good	Fair	Mature	15-25	Epicormic growth; Suppressed; Wound(s);	Amenity value/shade; Avenue tree; Attractive landscape feature; Screen value;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Located on raised garden bed treated one retaining wall to the west. 13-08-2021 : Jamie Oates : Tree assessed.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
367	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	62	72	**7.4**	172.81	**2.9**	10-15	10-15	Good	Fair	Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Deadwood/stubs > 30mm; Epicormic growth; Poor pruning; Suppressed; Wound(s);	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value;	Stage 1 - Landscaping		B	13	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
368	*Ficus microcarpa var. hillii*	Hill's Weeping Fig	Native	1	88	110	**10.6**	350.33	**3.4**	15-20	15-20	Good	Fair	Mature	25-50	Crossing/rubbing branches; Epicormic growth; Mechanical damage to root(s); Poor pruning; Previous failure(s); Wound(s);	Amenity value/shade; Avenue tree; Attractive landscape feature; Significant due to age/size; Screen value;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 13-08-2021 : Jamie Oates : Tree assessed. No signs of wound degradation observed. 25-05-2018 : Kane Hollstein : Aerial inspection completed by ArborSafe. Wounds and previous failure/lopping points were observed and inspected throughout the main structural framework of the subject tree. These defects are not considered to have significantly reduced the structural integrity of the inspected locations. Ongoing monitoring of wound locations for degradation during annual, ground-based assessment is recommended. See attached report for details.	A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
369	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	15	16	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Semi-Mature	15-25	Suppressed; Wound(s);	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
370	*Syzygium paniculatum*	Magenta Brush Cherry	Native	1	77	82	**9.2**	267.09	**3.0**	15-20	10-15	Good	Fair	Mature	15-25	Bird browsing damage; Co-dominant stems; Previous failure(s); Soil grade changes; Wound(s);	Amenity value/shade; Avenue tree; Attractive landscape feature; Significant due to age/size; Screen value;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 13-08-2021 : Jamie Oates : Tree assessed. Evidence of multiple past limb failures observed.	B	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
371	*Lophostemon confertus*	Queensland Box	Endemic	1	56	58	**6.7**	140.65	**2.6**	10-15	10-15	Good	Good	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Previous failure(s); Suppressed;	Amenity value/shade; Avenue tree; Significant due to age/size; Attractive landscape feature; Screen value;	Stage 1 - Landscaping		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
372	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	20	22	**2.4**	18.10	**1.8**	5-10	<5	Good	Fair	Semi-Mature	15-25		Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
373	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	30	42	**3.6**	40.76	**2.3**	10-15	10-15	Good	Good	Semi-Mature	25-50	Epicormic growth; Suppressed;	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Located on raised garden bed treated one retaining wall to the west. 06-08-2021 : Jamie Oates : Tree assessed.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
374	*Syzygium smithii*	Lilly Pilly	Endemic	1	17	21	**2.0**	13.07	**1.7**	5-10	<5	Good	Good	Semi-Mature	25-50	Suppressed;	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
375	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	40	41	**4.8**	72.38	**2.3**	10-15	<5	Good	Good	Mature	15-25	Co-dominant stems;	Amenity value/shade; Avenue tree; Attractive landscape feature; Screen value; Significant habitat - nests/hollows;	Stage 1 - Landscaping	13-08-2021 : Jamie Oates : Tree assessed. Habitat box at 3m.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
376	*Syzygium paniculatum*	Magenta Brush Cherry	Native	1	23	28	**2.8**	23.93	**1.9**	5-10	<5	Good	Good	Semi-Mature	25-50	Suppressed;	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
377	*Buckinghamia celsissima*	Ivory Curl Tree	Native	1	14	19	**2.0**	12.57	**1.6**	5-10	<5	Good	Good	Semi-Mature	15-25	Co-dominant stems; Included bark; Suppressed;	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Suppression influencing ULE 06-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
378	*Lophostemon confertus*	Queensland Box	Endemic	1	37	43	**4.4**	61.93	**2.3**	10-15	5-10	Good	Good	Semi-Mature	>50	Co-dominant stems; Deadwood/stubs < 30mm;	Amenity value/shade; Avenue tree; Attractive landscape feature; Screen value;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
379	*Lophostemon confertus*	Queensland Box	Endemic	1	42	54	**5.0**	79.80	**2.6**	10-15	5-10	Good	Good	Semi-Mature	>50	Co-dominant stems; Deadwood/stubs < 30mm;	Amenity value/shade; Avenue tree; Attractive landscape feature; Screen value;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
380	*Liquidambar styraciflua*	Sweet Gum	Exotic	1	73	82	**8.8**	241.08	**3.0**	15-20	15-20	Good	Fair	Mature	15-25	Crossing/rubbing branches; Included bark;	Amenity value/shade; Attractive landscape feature; Avenue tree; Significant due to age/size; Screen value;	Stage 1 - Landscaping		B	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
424	*Callistemon sp.*	Bottlebrush	Native	1	52	78	**6.2**	120.56	**3.0**	5-10	5-10	Good	Fair	Mature	25-50	Co-dominant stems; Epicormic growth; Included bark; Previous failure(s); Suppressed; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	13-08-2021 : Jamie Oates : Tree assessed. No signs of union separation observed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
426	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	40	45	**4.8**	72.38	**2.4**	5-10	5-10	Good	Fair	Mature	10-15	Co-dominant stems; Deadwood/stubs > 30mm; Hanger(s); Included bark; Poor pruning; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : ~60mm diameter hanger lower Eastern canopy. 13-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
429	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	46	44	**5.5**	94.10	**2.3**	5-10	5-10	Good	Good	Mature	25-50	Co-dominant stems;	Amenity value/shade;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
432	*Callistemon sp.*	Bottlebrush	Native	1	26	30	**3.2**	31.53	**2.0**	5-10	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth;	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
435	*Photinia glabra 'Rubens'*	Red-leaved Photinia	Exotic	1	64	53	**7.7**	185.89	**2.5**	5-10	5-10	Good	Good	Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Poor pruning; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
437	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	39	45	**4.7**	68.81	**2.4**	5-10	5-10	Fair	Fair	Mature	<5	Co-dominant stems; Deadwood/stubs > 30mm; Dieback; Excessive end weight; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Upper central canopy thinning and not expected to survive beyond estimated ULE. 13-08-2021 : Jamie Oates : Tree assessed.	C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
438	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	40	51	**4.8**	72.38	**2.5**	5-10	5-10	Fair	Fair	Mature	<5	Deadwood/stubs < 30mm; Dieback; Excessive thinning; Included bark; Wound(s);	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Upper central canopy thinning and not expected to survive beyond estimated ULE. 13-08-2021 : Jamie Oates : Tree assessed.	C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
440	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	56	76	**6.7**	141.87	**2.9**	10-15	5-10	Good	Fair	Mature	15-25	Co-dominant stems; Deadwood/stubs < 30mm; Included bark; Poor pruning;	Amenity value/shade; Attractive landscape feature; Avenue tree;	Stage 1 - Landscaping	13-08-2021 : Jamie Oates : Tree assessed. No signs of union separation observed.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
443	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	56	55	**6.7**	142.46	**2.6**	5-10	5-10	Fair	Good	Mature	5-10	Deadwood/stubs > 30mm; Dieback; Hanger(s); Poor pruning; Previous failure(s);	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ. 13-08-2021 : Jamie Oates : Tree assessed. Hanger remains. 05-12-2018 : Kane Hollstein : Tree assessed. Small hanger southern crown.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
444	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	30	42	**3.6**	40.72	**2.3**	5-10	5-10	Fair	Fair	Mature	5-10	Deadwood/stubs > 30mm; Dieback; Poor pruning; Suppressed; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ. 13-08-2021 : Jamie Oates : Tree assessed.	C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
445	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	30	42	**3.6**	40.72	**2.3**	5-10	5-10	Good	Good	Mature	10-15	Deadwood/stubs < 30mm; Suppressed; Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ. 13-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
446	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	33	46	**4.0**	49.27	**2.4**	5-10	5-10	Good	Good	Mature	10-15	Co-dominant stems; Deadwood/stubs < 30mm;	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ. 13-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
449	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	29	35	**3.5**	38.05	**2.1**	5-10	<5	Good	Good	Mature	25-50	Co-dominant stems; Included bark; Poor pruning;	Avenue tree; Screen value; Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
452	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	34	48	**4.1**	53.43	**2.4**	5-10	5-10	Good	Good	Mature	25-50	Co-dominant stems; Wound(s);	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
456	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	59	77	**7.0**	155.53	**3.0**	5-10	5-10	Good	Good	Mature	>50	Co-dominant stems; Deadwood/stubs < 30mm;	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
460	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	42	51	**5.0**	79.80	**2.5**	5-10	5-10	Fair	Good	Mature	5-10	Deadwood/stubs < 30mm; Dieback; Epicormic growth;	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Upper central canopy thinning and not expected to survive beyond estimated ULE. 13-08-2021 : Jamie Oates : Tree assessed.	C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
465	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	84	98	**10.1**	319.21	**3.3**	15-20	10-15	Good	Fair	Mature	25-50	Borers/termites; Cavity(s); Co-dominant stems; Deadwood/stubs > 30mm; Decay; Included bark; Wound(s);	Amenity value/shade; Attractive landscape feature; Rare or localised distribution;	Stage 1 - Landscaping	07-04-2022 : Tom Axford : Picus Test undertaken by CIVICA on 11 February 2022. Test height of sensor 1 was 0.05m above ground level The test results indicate 89% of the test area is sound wood (brown areas), 5% consists of altering wood i.e. wood being altered by the fungus (green area) and 6% active fungus and decay (pink and blue areas). Recommendations that based on the results of the Picus the tree can be retained with further testing within 5 years to ascertain the rate of change in the decay/altering and sound wood components of this tree at the test height. Based on this recommended alone, the tree is scheduled for retesting February 2027.	B	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
466	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	41	46	**4.9**	76.91	**2.4**	5-10	5-10	Good	Good	Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Suppressed;	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping	13-08-2021 : Jamie Oates : Tree assessed. Remove branches rubbing on tree 465.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
468	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	71	80	**8.6**	230.22	**3.0**	5-10	5-10	Good	Fair	Mature	25-50	Co-dominant stems; Included bark; Wound(s);	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
469	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	53	60	**6.4**	127.08	**2.7**	15-20	10-15	Good	Good	Semi-Mature	>50		Amenity value/shade; Attractive landscape feature; Rare or localised distribution;	Stage 1 - Landscaping		A	13	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
470	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	45	62	**5.4**	92.74	**2.7**	5-10	5-10	Good	Fair	Mature	15-25	Co-dominant stems; Included bark; Suppressed;	Amenity value/shade;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Check retention value with previous reports. 13-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
495	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	110	121	**13.2**	547.39	**3.6**	20-30	15-20	Fair	Fair	Mature	5-10	Borers/termites; Co-dominant stems; Deadwood/stubs < 30mm; Dieback; Epicormic growth; Excessive thinning; Resin exudation/kino; Soil grade changes; Wound(s);	Amenity value/shade; Rare or localised distribution; Protected species;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. Eastern leader declining. 11-08-2021 : Jamie Oates : Tree assessed. Health has improved from poor to fair. TLE increased. Apply broad spectrum slow release fertiliser annually and Seasol as per labelled direction quarterly. This tree is located within the Critically Endangered Ecological Community (CEEC) know as Blue Gum High Forest. 04-12-2019 : Tom Axford : Tree assessed. Specimen remains in a significantly reduced state of health, canopy density ~40% predominantly comprised of epicormic growth. Specimen is unlikely to recover. Ground staff to monitor tree health for deterioration.	B	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
498	*Eucalyptus paniculata*	Grey Ironbark	Endemic	1	70	77	**8.4**	221.67	**3.0**	20-30	15-20	Good	Good	Mature	25-50	Deadwood/stubs < 30mm; Dieback; Epicormic growth; Pests/insects;	Amenity value/shade; Attractive landscape feature; Significant due to age/size;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. Canopy density ~90%. Anecdotally, surrounding trees of same species are also exhibiting similar decline suggesting possible insect infestation following recent rains. Likely to recover naturally.	A	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
501	*Corymbia maculata*	Spotted Gum	Native	1	30	33	**3.6**	40.72	**2.1**	15-20	5-10	Good	Good	Semi-Mature	>50		Amenity value/shade;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
503	*Taxodium distichum*	Swamp Cypress	Exotic	1	60	66	**7.2**	162.86	**2.8**	15-20	10-15	Good	Good	Mature	>50	Crossing/rubbing branches; Deadwood/stubs < 30mm;	Amenity value/shade; Attractive landscape feature; Significant due to age/size;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 21-07-2020 : Tom Axford : Tree assessed. Selective prune one 1st order branch in contact with Tree 318.	A		Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
504	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	113	145	**13.6**	577.66	**3.9**	30-50	20-30	Good	Fair	Mature	15-25	Bird browsing damage; Cavity(s); Deadwood/stubs < 30mm; Decay; Epicormic growth; Previous failure(s); Resin exudation/kino; Wound(s);	Amenity value/shade; Attractive landscape feature; Significant habitat - nests/hollows; Particularly old/venerable; Significant due to age/size; Rare or localised distribution; Protected species; Dominant landscape feature; Active nesting by fauna; Other significance;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : PiCUS Test was undertaken by CIVICA on 11 February 2022. The test height of sensor 1 was 11.8m above ground level. The test results indicate 95% of the test area is sound wood (brown areas), 5% consists of altering wood i.e. wood being altered by the fungus (green area) and 0% active fungus and decay (pink and blue areas). Recommendations that based on the results of the Picus the tree can be retained with further testing within 3 years to ascertain the rate of change in the decay/altering and sound wood components of this tree at the test height. Based on this recommendation alone, the tree is scheduled for retesting in February 2025. 13-08-2021 : Jamie Oates : Tree assessed. Follow up Picus test is now overdue. Pruning of the southward limb and installation of mesh coverings as described in the 2018 aerial report is still required. This tree is located within the Critically Endangered Ecological Community (CEEC) know as Blue Gum High Forest. SEED maps list this particular specimen as a significant tree.	A	23	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
506	*Toona australis*	Red Cedar	Native	1	35	45	**4.2**	55.42	**2.4**	10-15	5-10	Good	Good	Semi-Mature	>50		Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping	13-08-2021 : Jamie Oates : Tree assessed.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
508	*Polyscias elegans*	Celery Wood	Native	1	27	36	**3.2**	32.98	**2.2**	5-10	5-10	Good	Good	Mature	15-25		Amenity value/shade;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
509	*Ficus obliqua*	Small-leaved Fig	Endemic	1	35	40	**4.2**	55.42	**2.3**	10-15	5-10	Good	Good	Semi-Mature	>50	Co-dominant stems; Deadwood/stubs < 30mm;	Amenity value/shade;	Stage 1 - Landscaping	Pedestrian footpath upgrade - close proximity.	B	2	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
510	*Angophora floribunda*	Rough-barked Apple Myrtle	Endemic	1	51	60	**6.1**	117.67	**2.7**	15-20	10-15	Good	Good	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Epicormic growth; Previous failure(s); Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	Driveway/pedestrian footpath upgrade - close proximity.	B	1	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
511	*Angophora floribunda*	Rough-barked Apple Myrtle	Endemic	1	60	71	**7.2**	162.86	**2.9**	15-20	15-20	Good	Fair	Mature	10-15	Bird browsing damage; Deadwood/stubs < 30mm; Dieback; Epicormic growth; Previous failure(s); Wound(s);	Amenity value/shade;	Stage 1 - Landscaping	13-08-2021 : Jamie Oates : Tree assessed. Prune as for 2018 aerial inspection report. 25-05-2018 : Kane Hollstein : Aerial inspection completed by ArborSafe. A wound was observed and inspected on a southern facing stem of the subject tree. This defect is considered to have reduced the structural integrity of the stem. Reduction pruning is recommended to reduce loading on the defect. See attached report for details.	B	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
513	*Brachychiton acerifolius*	Illawarra Flame Tree	Native	1	38	45	**4.6**	65.33	**2.4**	5-10	5-10	Good	Good	Mature	25-50	Co-dominant stems; Included bark;	Amenity value/shade;	Stage 1 - Landscaping		B	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
515	*Quercus robur*	English Oak	Exotic	1	95	102	**11.4**	408.28	**3.3**	15-20	15-20	Good	Good	Mature	>50	Crossing/rubbing branches; Deadwood/stubs < 30mm; Epicormic growth; Previous failure(s); Wound(s);	Amenity value/shade; Attractive landscape feature; Significant due to age/size; Particularly old/venerable; Dominant landscape feature;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 21-07-2020 : Tom Axford : Tree assessed. Selectively prune internal conflicting branches with a maximum diameter of 70mm at attachment.	A	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
516	*Acer palmatum ssp. palmatum*	Japanese Maple	Exotic	1	20	22	**2.4**	18.10	**1.8**	<5	<5	Fair	Fair	Mature	5-10	Dieback; Epicormic growth; Suppressed; Wound(s);		Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
517	*Liquidambar styraciflua*	Sweet Gum	Exotic	1	77	94	**9.2**	268.22	**3.2**	10-15	10-15	Good	Fair	Mature	10-15	Cavity(s); Deadwood/stubs > 100mm; Decay; Fungal fruiting body(s); Poor pruning; Previous failure(s); Wound(s);	Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 13-08-2021 : Jamie Oates : Tree assessed. Lopped on northern side. Prune lopped branches to collars. 04-12-2019 : Tom Axford : Tree assessed. Specimen displaying good vigour. Unbreached reaction wood surrounds trunk defect.	B	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
605	*Eucalyptus microcorys*	Tallowwood	Native	1	64	78	**7.7**	185.30	**3.0**	15-20	10-15	Good	Good	Semi-Mature	>50	Deadwood/stubs < 30mm; Mechanical damage to root(s); Soil grade changes;	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value; Windbreak tree;	Aquatic Centre		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
606	*Eucalyptus microcorys*	Tallowwood	Native	1	44	50	**5.3**	87.58	**2.5**	15-20	10-15	Good	Good	Semi-Mature	>50	Deadwood/stubs < 30mm; Epicormic growth; Included bark; Previous failure(s);	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value; Windbreak tree;	Aquatic Centre		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
607	*Eucalyptus microcorys*	Tallowwood	Native	1	54	67	**6.5**	131.92	**2.8**	15-20	5-10	Good	Good	Semi-Mature	>50	Deadwood/stubs < 30mm; Epicormic growth; Included bark;	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value; Windbreak tree;	Aquatic Centre		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
608	*Eucalyptus microcorys*	Tallowwood	Native	1	60	80	**7.2**	162.86	**3.0**	20-30	10-15	Good	Good	Semi-Mature	>50	Deadwood/stubs > 30mm;	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value; Windbreak tree;	Aquatic Centre	25-03-2022 : Tom Axford : Tree assessed. 05-08-2021 : Jamie Oates : Tree assessed. Prune from fence to achieve a 1m clearance. Remove deadwood.	A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
609	*Eucalyptus microcorys*	Tallowwood	Native	1	40	56	**4.8**	72.38	**2.6**	15-20	5-10	Good	Good	Semi-Mature	>50	Deadwood/stubs > 30mm;	Amenity value/shade; Attractive landscape feature; Screen value; Avenue tree; Windbreak tree;	Aquatic Centre	25-03-2022 : Tom Axford : Tree assessed. 05-08-2021 : Jamie Oates : Tree assessed. Prune from roofline to achieve a 1m clearance. Remove deadwood.	A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
610	*Eucalyptus microcorys*	Tallowwood	Native	1	64	80	**7.7**	185.30	**3.0**	15-20	10-15	Good	Good	Semi-Mature	>50	Deadwood/stubs > 60mm;	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value; Windbreak tree;	Aquatic Centre		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
611	*Eucalyptus microcorys*	Tallowwood	Native	1	56	72	**6.7**	141.87	**2.9**	15-20	5-10	Good	Good	Semi-Mature	>50	Deadwood/stubs < 30mm; Epicormic growth;	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value; Windbreak tree;	Aquatic Centre		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
612	*Eucalyptus microcorys*	Tallowwood	Native	1	43	58	**5.2**	83.65	**2.6**	10-15	5-10	Good	Good	Semi-Mature	>50	Epicormic growth;	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value; Windbreak tree;	Aquatic Centre		A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
613	*Eucalyptus microcorys*	Tallowwood	Native	1	66	80	**7.9**	197.06	**3.0**	15-20	5-10	Good	Fair	Mature	15-25	Co-dominant stems; Crossing/rubbing branches; Included bark; Mechanical damage to root(s); Soil grade changes;	Amenity value/shade; Attractive landscape feature; Avenue tree; Screen value;	Aquatic Centre	25-03-2022 : Tom Axford : Tree assessed. 13-08-2021 : Jamie Oates : Tree assessed. No signs of union separation or root plate movement observed.	B	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
614	*Callistemon salignus*	Willow Bottlebrush	Endemic	1	36	50	**4.3**	58.63	**2.5**	<5	<5	Good	Fair	Mature	15-25	Decay; Epicormic growth; Fungal fruiting body(s); Included bark; Previous failure(s); Soil compaction; Wound(s);	Amenity value/shade;	Aquatic Centre	23-11-2021 : Tom Axford : Tree located ~5m north of ~6m high retaining wall for existing tennis courts. 13-08-2021 : Jamie Oates : Tree assessed.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
616	*Callistemon citrinus*	Crimson Bottlebrush	Native	1	40	41	**4.8**	71.03	**2.3**	<5	<5	Good	Good	Mature	15-25	Soil grade changes; Suppressed; Wound(s);	Amenity value/shade;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
617	*Callistemon citrinus*	Crimson Bottlebrush	Native	1	28	31	**3.4**	36.19	**2.0**	<5	<5	Good	Fair	Mature	15-25	Co-dominant stems; Suppressed;	Amenity value/shade;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
625	*Acacia falciformis*	Broad-leaved Hickory	Exotic	1	44	59	**5.3**	87.04	**2.7**	5-10	5-10	Fair	Poor	Senescent	<5	Co-dominant stems; Crack(s)/split(s); Deadwood/stubs > 30mm; Decay; Dieback; Included bark; Pests/insects; Poor pruning; Wound(s);	Amenity value/shade;	Aquatic Centre	23-11-2021 : Tom Axford : Tree located north of ~6m high retaining wall for existing tennis courts. 19-12-2017 : Jamie Oates : Tree assessed. Remove tree of poor structure and reduced TLE.	U		Remove tree irrespective of future development.
644	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	58	63	**7.0**	152.18	**2.7**	15-20	10-15	Good	Fair	Mature	25-50	Borers/termites; Co-dominant stems; Crossing/rubbing branches; Deadwood/stubs > 30mm; Epicormic growth; Included bark; Wound(s);	Amenity value/shade; Rare or localised distribution; Protected species;	Aquatic Centre	23-11-2021 : Tom Axford : Tree located ~10m north of ~4m high retaining wall for existing tennis courts. 05-08-2021 : Jamie Oates : Tree assessed. Health has improved. Deadwood overhangs an area of low occupancy.	A	3	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
645	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	78	85	**9.4**	275.23	**3.1**	20-30	10-15	Good	Fair	Mature	15-25	Borers/termites; Canker(s); Deadwood/stubs > 60mm; Epicormic growth; Previous failure(s); Wound(s);	Amenity value/shade; Significant due to age/size; Rare or localised distribution; Attractive landscape feature; Protected species;	Aquatic Centre	23-11-2021 : Tom Axford : Tree located ~10m north of ~4m high retaining wall for existing tennis courts. 05-08-2021 : Jamie Oates : Tree assessed. Health has improved. Monitor canker wounding at 10m on southern stem for signs of decay. Deadwood overhangs an area of low occupancy. 22-07-2020 : Tom Axford : Tree assessed. Canker developing in lower portion of southern leader. Moderate borer damage.	A	3	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
649	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	48	54	**5.8**	104.23	**2.6**	20-30	10-15	Good	Good	Semi-Mature	>50	Deadwood/stubs > 30mm; Epicormic growth; Previous failure(s); Wound(s);	Amenity value/shade; Attractive landscape feature; Rare or localised distribution; Protected species;	Aquatic Centre	23-11-2021 : Tom Axford : Tree located ~70m north up embankment from ~4m high retaining wall for existing tennis courts. 05-08-2021 : Jamie Oates : Tree assessed. Deadwood overhangs an area of low occupancy.	A	3	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
657	*Casuarina glauca*	Swamp she-oak	Native	50	30	35	**3.6**	40.72	**2.1**	10-15	Group	Good	Fair	Mature	25-50	Mechanical damage to root(s); Soil grade changes;	Screen value; Amenity value/shade; Avenue tree;	Aquatic Centre	23-11-2021 : Tom Axford : Group of 50 trees all with similar characteristic ~2m south and down embankment of existing tennis courts. Requiring accurate location by surveyor If incursion of Northern TPZ, the effects are likely to be cumulative on the entire stand.	B	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
658	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	14	19	**2.0**	12.57	**1.6**	5-10	<5	Good	Good	Juvenile	25-50	Dieback; Epicormic growth; Excessive thinning;	Amenity value/shade; Rare or localised distribution; Protected species;	Aquatic Centre	04-03-2013 : SuperAdmin ArborSafe : This species is contained in Bluegum Forest.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
660	*Angophora floribunda*	Rough-barked Apple Myrtle	Endemic	1	27	40	**3.2**	32.98	**2.3**	10-15	5-10	Good	Good	Semi-Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm;	Amenity value/shade; Attractive landscape feature;	Aquatic Centre	11-08-2021 : Jamie Oates : Tree assessed. Health has significantly declined. TLE reduced.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
661	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	43	60	**5.2**	83.65	**2.7**	15-20	10-15	Good	Fair	Semi-Mature	10-15	Crack(s)/split(s); Included bark; Uncharacteristic form; Weak union(s);	Rare or localised distribution; Protected species; Amenity value/shade;	Aquatic Centre	23-11-2021 : Tom Axford : Tree assessed. Good reaction wood development around pruning wound and included union. Canopy beginning to re-centralise.	B	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
662	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	58	78	**7.0**	152.18	**3.0**	20-30	10-15	Good	Good	Mature	>50	Deadwood/stubs < 30mm; Previous failure(s);	Rare or localised distribution; Attractive landscape feature; Suitable to site conditions; Amenity value/shade; Protected species;	Aquatic Centre	11-08-2021 : Jamie Oates : Tree assessed. Prune from court fence to achieve a 1.5m clearance.	A	3	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
664	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	43	51	**5.2**	83.65	**2.5**	15-20	10-15	Good	Good	Semi-Mature	>50	Deadwood/stubs < 30mm;	Attractive landscape feature; Rare or localised distribution; Suitable to site conditions; Amenity value/shade; Protected species;	Aquatic Centre		A	3	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
665	*Pinus canariensis*	Canary Island Pine	Exotic	1	73	81	**8.8**	241.08	**3.0**	20-30	10-15	Good	Good	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Previous failure(s); Soil grade changes; Wound(s);	Amenity value/shade; Attractive landscape feature; Avenue tree; Significant due to age/size;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. Relocate mulch pile to outside of tree's drip zone.	A	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
666	*Pinus canariensis*	Canary Island Pine	Exotic	1	74	86	**8.9**	247.73	**3.1**	15-20	10-15	Good	Fair	Mature	10-15	Deadwood/stubs < 30mm; Poor pruning; Soil grade changes; Suppressed; Uncharacteristic form; Wound(s);	Amenity value/shade; Attractive landscape feature; Significant due to age/size; Avenue tree;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. Lowest limb at 7m has been lopped and is dying off. Prune this limb to the collar at the trunk. Relocate mulch pile to outside of tree's drip zone.	B	1	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
667	*Pinus canariensis*	Canary Island Pine	Exotic	1	59	73	**7.1**	157.48	**2.9**	20-30	10-15	Good	Good	Mature	25-50	Deadwood/stubs < 30mm; Epicormic growth; Hanger(s); Previous failure(s); Soil grade changes;	Amenity value/shade; Attractive landscape feature; Avenue tree; Significant due to age/size;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. Remove partially snapped branch at 14m on southern side. Relocate mulch pile to outside of tree's drip zone.	A	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
668	*Pinus canariensis*	Canary Island Pine	Exotic	1	72	84	**8.6**	234.52	**3.1**	20-30	10-15	Good	Good	Mature	25-50	Deadwood/stubs < 30mm; Previous failure(s); Soil grade changes; Wound(s);	Amenity value/shade; Attractive landscape feature; Avenue tree; Significant due to age/size;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. Remove westward lateral limb at 9m that is extending over the upper crown of tree 711. Relocate mulch pile to outside of tree's drip zone.	A	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
675	*Araucaria columnaris*	Cook Araucaria	Exotic	1	69	80	**8.3**	217.33	**3.0**	15-20	5-10	Good	Fair	Mature	25-50	Epicormic growth; Included bark; Resin exudation/kino; Soil grade changes; Uncharacteristic form; Wound(s);	Amenity value/shade; Attractive landscape feature;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. Monitor the major union at 1.5m for signs of separation. No signs of union separation currently observed. Kino secretions do not appear to have occurred recently. 11-12-2015 : Tom Axford : Dec 2015 Pruning completed, heavy sap flow from union. Union very pronounced on northern aspect.	A	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
678	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	48	56	**5.8**	104.23	**2.6**	10-15	5-10	Poor	Good	Mature	5-10	Deadwood/stubs > 30mm; Dieback; Excessive thinning;	Amenity value/shade; Significant habitat - nests/hollows;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. Dieback continues, especially in the upper crown. Habitat box at 4m. 04-12-2019 : Will Dunlop : Tree assessed. Canopy thin with approx. 60% live canopy volume.	C	12	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
679	*Acer palmatum ssp. palmatum*	Japanese Maple	Exotic	1	40	46	**4.7**	70.80	**2.4**	5-10	5-10	Good	Fair	Mature	10-15	Co-dominant stems; Crossing/rubbing branches; Deadwood/stubs > 30mm; Decay; Included bark; Wound(s);	Amenity value/shade; Attractive landscape feature;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. Prune from service wires to achieve a 500mm clearance. Remove deadwood.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
680	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	48	70	**5.8**	104.23	**2.8**	10-15	10-15	Good	Fair	Mature	25-50	Epicormic growth; Poor pruning; Wound(s);	Amenity value/shade; Attractive landscape feature;	Recital Hall		B	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
704	*Fraxinus griffithii*	Evergreen Ash	Exotic	1	20	22	**2.4**	18.10	**1.8**	<5	<5	Good	Good	Semi-Mature	15-25	Wound(s);	Unique location; Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping	05-08-2021 : Jamie Oates : Tree assessed. Enlarge grate to accommodate trunk growth. 20-07-2020 : Tom Axford : Tree assessed. Trunk in contact with grate.	C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
705	*Fraxinus griffithii*	Evergreen Ash	Exotic	1	25	28	**3.0**	28.27	**1.9**	5-10	5-10	Good	Good	Semi-Mature	15-25	Co-dominant stems; Wound(s);	Unique location; Amenity value/shade; Attractive landscape feature;	Stage 1 - Landscaping	05-08-2021 : Jamie Oates : Tree assessed. Enlarge grate to accommodate trunk growth. 20-07-2020 : Tom Axford : Tree assessed. Trunk in contact with grate.	C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
710	*Pyrus cvr.*	Pear	Exotic	1	18	20	**2.2**	14.66	**1.7**	5-10	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Included bark; Wound(s);	Amenity value/shade;	Recital Hall	21-07-2020 : Tom Axford : Tree assessed. Formative pruning required to maintain longevity.	C		Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
711	*Pyrus cvr.*	Pear	Exotic	1	19	21	**2.3**	16.33	**1.7**	5-10	<5	Good	Good	Semi-Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Poor pruning; Wound(s);	Amenity value/shade;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. 04-12-2019 : Will Dunlop : Tree assessed. Prune canopy to provide 1 metre clearance from light.	C		Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
712	*Pyrus cvr.*	Pear	Exotic	1	19	20	**2.3**	16.33	**1.7**	5-10	<5	Good	Hazardous	Semi-Mature	0	Crack(s)/split(s); Epicormic growth; Included bark; Previous failure(s); Uncharacteristic form; Weak union(s); Wound(s);	Avenue tree;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. Tree remains. 21-07-2020 : Tom Axford : Tree assessed. Major union has failed, remaining structure is unsuitable for retention. Remove and replace.	U		Remove tree irrespective of future development.
713	*Pyrus cvr.*	Pear	Exotic	1	17	19	**2.0**	13.07	**1.6**	5-10	<5	Good	Fair	Semi-Mature	15-25	Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Included bark;	Avenue tree; Amenity value/shade; Screen value;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. 06-12-2018 : Tom Axford : Tree assessed. Formative pruning required to maintain longevity.	C		Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
714	*Pyrus cvr.*	Pear	Exotic	1	18	20	**2.2**	14.66	**1.7**	5-10	<5	Good	Fair	Semi-Mature	15-25	Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Included bark;	Avenue tree; Amenity value/shade; Screen value;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. 06-12-2018 : Tom Axford : Tree assessed. Formative pruning required to maintain longevity.	C		Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
715	*Pyrus cvr.*	Pear	Exotic	1	21	23	**2.5**	19.95	**1.8**	5-10	<5	Good	Fair	Semi-Mature	15-25	Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Included bark;	Avenue tree; Amenity value/shade; Screen value;	Recital Hall	04-08-2021 : Jamie Oates : Tree assessed. 06-12-2018 : Tom Axford : Tree assessed. Formative pruning required to maintain longevity.	C		Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
761	*Eucalyptus saligna*	Sydney Blue Gum	Endemic	1	132	136	**15.0**	706.86	**3.8**	20-30	20-30	Fair	Fair	Mature	15-25	Co-dominant stems; Crossing/rubbing branches; Deadwood/stubs < 30mm; Dieback; Epicormic growth; Mechanical damage to root(s); Previous failure(s); Soil compaction; Soil grade changes;	Rare or localised distribution; Amenity value/shade; Attractive landscape feature; Significant due to age/size; Dominant landscape feature; Protected species;	Stage 1 - Landscaping	Driveway upgrade - close proximity. 04-08-2021 : Jamie Oates : Tree assessed. Crown health has improved. Mulch to the drip line where practical to further improve growing conditions. Remove the wounded, 80mm diameter northward branch at 10m. Remove the wounded, 100mm diameter westward branch at 9m. Obtain compliance certificate from project arborist and upload to ArborPlan for record keeping. 21-07-2020 : Tom Axford : Tree assessed. Sustained sporadic dieback throughout the canopy. Compliance certification documentation from Project Arborist should be sought. Plant Health Care program should be initiated.	A	23	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
762	*Corymbia citriodora*	Lemon-scented Gum	Native	1	30	40	**3.6**	40.72	**2.3**	10-15	5-10	Good	Good	Semi-Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Epicormic growth; Previous failure(s); Wound(s);	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
763	*Melaleuca linariifolia*	Snow in Summer	Endemic	1	22	26	**2.6**	21.17	**1.9**	5-10	5-10	Fair	Fair	Semi-Mature	15-25	Co-dominant stems; Deadwood/stubs < 30mm; Dieback; Epicormic growth; Included bark;	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
764	*Corymbia citriodora*	Lemon-scented Gum	Native	1	40	51	**4.8**	72.38	**2.5**	15-20	10-15	Good	Good	Semi-Mature	25-50	Deadwood/stubs < 30mm; Previous failure(s);	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
765	*Melaleuca linariifolia*	Snow in Summer	Endemic	1	33	35	**3.9**	48.22	**2.1**	5-10	5-10	Good	Fair	Semi-Mature	10-15	Co-dominant stems; Epicormic growth; Included bark; Poor pruning; Soil compaction; Wound(s);	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
766	*Melaleuca linariifolia*	Snow in Summer	Endemic	1	33	33	**4.0**	49.27	**2.1**	5-10	5-10	Good	Fair	Semi-Mature	15-25	Co-dominant stems; Included bark; Previous failure(s);	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
767	*Corymbia citriodora*	Lemon-scented Gum	Native	1	46	61	**5.5**	95.73	**2.7**	15-20	10-15	Good	Fair	Semi-Mature	25-50	Bird browsing damage; Co-dominant stems; Deadwood/stubs < 30mm; Previous failure(s); Resin exudation/kino; Wound(s);	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping	04-08-2021 : Jamie Oates : Tree assessed. Evidence of a 200mm diameter northward limb failure observed.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
768	*Melaleuca linariifolia*	Snow in Summer	Endemic	1	42	51	**5.0**	79.80	**2.5**	5-10	5-10	Good	Fair	Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Included bark; Wound(s);	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
769	*Melaleuca linariifolia*	Snow in Summer	Endemic	1	44	46	**5.3**	86.90	**2.4**	5-10	5-10	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Included bark; Wound(s);	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
770	*Callitris columellaris*	White Cypress-Pine	Endemic	1	12	26	**2.0**	12.57	**1.9**	<5	<5	Fair	Fair	Semi-Mature	5-10	Co-dominant stems; Included bark; Suppressed;	Amenity value/shade;	Stage 1 - Landscaping		C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
771	*Melaleuca linariifolia*	Snow in Summer	Endemic	1	43	43	**5.1**	81.79	**2.3**	5-10	5-10	Good	Fair	Semi-Mature	15-25	Co-dominant stems; Included bark;	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping	Pedestrian footpath upgrade - close proximity.	C	2	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
772	*Corymbia citriodora*	Lemon-scented Gum	Native	1	27	28	**3.2**	32.98	**1.9**	10-15	10-15	Good	Good	Semi-Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Resin exudation/kino; Wound(s);	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. Minor basal wound.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
773	*Corymbia citriodora*	Lemon-scented Gum	Native	1	60	79	**7.2**	162.86	**3.0**	15-20	10-15	Good	Good	Semi-Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Excessive end weight; Mechanical damage to root(s); Previous failure(s); Wound(s);	Amenity value/shade; Attractive landscape feature; Avenue tree;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 21-07-2020 : Tom Axford : Tree assessed. Recent ~250mm diameter 1st order failure lower southern aspect is consistent with storm damage and requires tidying. Lowest 1st order branch south western aspect is now exposed. Reduce the overall length of this branch by ~3m to internal lateral branches.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
774	*Corymbia citriodora*	Lemon-scented Gum	Native	1	50	66	**6.0**	113.10	**2.8**	20-30	10-15	Good	Good	Semi-Mature	>50	Co-dominant stems; Mechanical damage to root(s); Resin exudation/kino; Soil grade changes;	Amenity value/shade; Attractive landscape feature; Avenue tree;	Stage 1 - Landscaping	Pedestrian footpath upgrade - close proximity.	B	2	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
775	*Corymbia citriodora*	Lemon-scented Gum	Native	1	41	50	**4.9**	76.05	**2.5**	15-20	5-10	Good	Fair	Semi-Mature	15-25	Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Mechanical damage to root(s); Wound(s);	Amenity value/shade; Attractive landscape feature; Avenue tree;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 11-08-2021 : Jamie Oates : Tree assessed. Prune out the large rubbing limb at 5m.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
776	*Corymbia maculata*	Spotted Gum	Native	1	56	74	**6.7**	141.87	**2.9**	20-30	10-15	Good	Good	Semi-Mature	>50		Amenity value/shade; Attractive landscape feature; Avenue tree;	Stage 1 - Landscaping	Pedestrian footpath upgrade - close proximity.	B	2	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
777	*Corymbia maculata*	Spotted Gum	Native	1	37	50	**4.4**	61.93	**2.5**	10-15	5-10	Good	Good	Semi-Mature	>50	Co-dominant stems; Deadwood/stubs < 30mm; Mechanical damage; Resin exudation/kino; Wound(s);	Amenity value/shade; Avenue tree; Attractive landscape feature;	Stage 1 - Landscaping	Driveway/pedestrian footpath upgrade - close proximity.	B	2	Retain tree with specific protection requirements (i.e. Generic measures plus supervision of works within the TPZ and/or use of root sensitive construction techniques).
778	*Tristaniopsis laurina*	Kanooka	Endemic	1	24	20	**2.9**	26.24	**1.7**	<5	<5	Good	Fair	Semi-Mature	10-15	Co-dominant stems; Crossing/rubbing branches; Included bark; Poor pruning;	Amenity value/shade; Avenue tree;	Stage 1 - Landscaping	Pedestrian footpath upgrade - close proximity.Dimensions estimated as tree located within fenced and locked TPZ. Tree assessed. Row of numerous trees that have been routinely lopped for power line clearance.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
779	*Angophora floribunda*	Rough-barked Apple Myrtle	Endemic	1	52	55	**6.3**	124.18	**2.6**	5-10	5-10	Fair	Poor	Mature	<5	Borers/termites; Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Inappropriate location; Poor pruning; Suppressed; Uncharacteristic form; Weak union(s); Wound(s);		Stage 1 - Landscaping	04-08-2021 : Jamie Oates : Tree assessed. Tree remains. 04-12-2019 : Will Dunlop : Tree assessed. Tree should be removed due to poor condition and location.	U		Remove tree irrespective of future development.
785	*Castanospermum australe*	Black Bean	Native	1	21	30	**2.5**	19.95	**2.0**	5-10	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Included bark; Suppressed;	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
809	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	75	83	**9.0**	254.47	**3.1**	20-30	20-30	Good	Good	Mature	15-25	Co-dominant stems; Deadwood/stubs > 30mm; Mechanical damage to root(s); Soil grade changes;	Amenity value/shade; Attractive landscape feature; Significant due to age/size;	Recital Hall	24-11-2021 : Tom Axford : Tree health and vigour remains strong. 13-08-2021 : Jamie Oates : Tree assessed. Health has improved. Continue monitoring. Some deadwood remains. Obtain arborist certification as per previous comment. 06-12-2018 : Tom Axford : Tree assessed. Grade changes within TPZ northern aspect. Monitor tree health for decline associated with root severance. Request copy of Project Arborist certification regarding damage caused to root system during development.	A		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
810	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	21	30	**2.5**	19.54	**2.0**	5-10	5-10	Good	Good	Semi-Mature	25-50	Co-dominant stems; Soil grade changes;	Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property tree located on neighbouring property. Existing raised driveway to the north. 13-08-2021 : Jamie Oates : Tree assessed. 06-12-2018 : Tom Axford : Tree assessed. Tree is located on neighbours property. VTA completed from within grounds depot.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
811	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	30	45	**3.6**	40.90	**2.4**	5-10	5-10	Good	Good	Semi-Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Hanger(s); Soil grade changes;	Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. Existing raised driveway to the north. 06-12-2018 : Tom Axford : Tree assessed. Tree is located on neighbours property. VTA completed from within grounds depot.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
812	*Robinia pseudoacacia 'Frisia'*	Golden Robinia	Exotic	1	21	19	**2.5**	20.36	**1.6**	5-10	5-10	Good	Good	Semi-Mature	15-25	Co-dominant stems; Soil grade changes;	Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property tree located on neighbouring property. Existing raised driveway to the north. Exempt species. 13-08-2021 : Jamie Oates : Tree assessed. 06-12-2018 : Tom Axford : Tree assessed. Tree is located on neighbours property. VTA completed from within grounds depot.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
814	*Robinia pseudoacacia 'Frisia'*	Golden Robinia	Exotic	1	17	20	**2.0**	13.03	**1.7**	5-10	5-10	Good	Good	Semi-Mature	15-25	Co-dominant stems; Soil grade changes;	Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property tree located on neighbouring property. Existing raised driveway to the north. Exempt species. 13-08-2021 : Jamie Oates : Tree assessed. 06-12-2018 : Tom Axford : Tree assessed. Tree is located on neighbours property. VTA completed from within grounds depot.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
815	*Robinia pseudoacacia 'Frisia'*	Golden Robinia	Exotic	1	18	25	**2.2**	15.29	**1.8**	5-10	5-10	Good	Good	Semi-Mature	15-25	Co-dominant stems; Soil grade changes;	Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property tree located on neighbouring property. Existing raised driveway to the north. Exempt species. 06-12-2018 : Tom Axford : Tree assessed. Tree is located on neighbour's property. VTA completed from within grounds depot.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
909	*Tristaniopsis laurina*	Kanooka	Endemic	1	21	23	**2.5**	19.05	**1.8**	<5	<5	Fair	Poor	Semi-Mature	<5	Canker(s); Co-dominant stems; Crossing/rubbing branches; Wound(s);		Stage 1 - Landscaping	13-08-2021 : Jamie Oates : Tree assessed. Tree remains. 04-12-2019 : Will Dunlop : Tree assessed. Structural canopy with considerable cankers. Health and structure have declined as result.	U		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
968	*Alloxylon flammeum*	North Queensland Waratah	Native	1	15	17	**2.0**	12.57	**1.6**	5-10	<5	Good	Good	Semi-Mature	25-50		Amenity value/shade;	Stage 1 - Landscaping		C		Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
974	*Ginkgo biloba*	Maidenhair Tree	Exotic	1	10	13	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	>50		Amenity value/shade; Avenue tree;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
975	*Banksia serrata*	Saw-toothed Banksia	Endemic	1	4	7	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Young	25-50	Co-dominant stems; Poor pruning;	New Planting; Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
976	*Banksia ericifolia*	Heath-leaved Banksia	Endemic	1	11	14	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Young	25-50	Co-dominant stems;	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
978	*Lagerstroemia indica*	Crepe Myrtle	Exotic	1	10	15	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems; Epicormic growth;	Amenity value/shade; Screen value;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
979	*Lagerstroemia indica*	Crepe Myrtle	Exotic	1	9	10	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	>50	Co-dominant stems; Epicormic growth;	Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
986	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	17	20	**2.0**	13.07	**1.7**	5-10	<5	Good	Good	Juvenile	25-50		Amenity value/shade;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1001	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	8	9	**2.0**	12.57	**1.5**	5-10	<5	Fair	Fair	Semi-Mature	5-10	Suppressed;	Screen value; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted.	C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1002	*Ligustrum sp.*	Privet	Exotic	1	11	12	**2.0**	12.57	**1.5**	<5	<5	Fair	Fair	Juvenile	10-15	Undesirable species;	Screen value; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. Exempt species. 11-08-2021 : Jamie Oates : Tree assessed.	C	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1003	*Cinnamomum camphora*	Camphor Laurel	Exotic	1	30	33	**3.6**	40.72	**2.1**	10-15	<5	Good	Good	Semi-Mature	25-50	Undesirable species;	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. Exempt species.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1004	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	8	9	**2.0**	12.57	**1.5**	<5	<5	Fair	Fair	Juvenile	5-10	Dieback; Suppressed;	Screen value; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted.	C	1	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1005	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	11	13	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	10-15	Suppressed;	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1006	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	11	13	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	10-15	Suppressed;	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. 11-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1007	*Dead Tree*	Dead tree	Native	1	40	45	**4.8**	72.38	**2.4**	10-15	5-10	Dead	Poor	Semi-Mature	0			Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. 11-08-2021 : Jamie Oates : Tree assessed. Remove dead tree.	U		Remove tree irrespective of future development.
1008	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	18	21	**2.2**	14.66	**1.7**	5-10	<5	Good	Good	Semi-Mature	25-50		Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1009	*Dead Tree*	Dead tree	Native	1	40	43	**4.8**	72.38	**2.3**	10-15	5-10	Dead	Poor	Semi-Mature	0	Undesirable species;		Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. 11-08-2021 : Jamie Oates : Tree assessed. Remove dead tree.	U		Remove tree irrespective of future development.
1010	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	17	19	**2.0**	13.07	**1.6**	5-10	<5	Good	Good	Juvenile	25-50	Suppressed;	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. 11-08-2021 : Jamie Oates : Tree assessed.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1011	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	17	19	**2.0**	13.07	**1.6**	5-10	<5	Good	Good	Juvenile	25-50	Suppressed;	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1012	*Pittosporum undulatum*	Sweet Pittosporum	Endemic	1	64	50	**7.6**	183.22	**2.5**	5-10	5-10	Fair	Fair	Mature	5-10	Borers/termites; Co-dominant stems; Deadwood/stubs < 30mm; Epicormic growth; Included bark; Pests/insects; Wound(s);	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. 11-08-2021 : Jamie Oates : Tree assessed. Remove the easternmost stem that extends over the pathway and exhibits borer damage and dieback.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1013	*Archontophoenix cunninghamiana*	Bangalow Palm	Endemic	1	25	30	**3.0**	28.27	**2.0**	10-15	<5	Good	Good	Mature	25-50		Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1014	*Araucaria columnaris*	Cook Araucaria	Exotic	1	37	42	**4.4**	61.93	**2.3**	10-15	<5	Good	Fair	Semi-Mature	25-50	Included bark;	Amenity value/shade; Attractive landscape feature; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. 19-12-2017 : Jamie Oates : Tree assessed. Remove subdominant stem.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1015	*Pittosporum undulatum*	Sweet Pittosporum	Endemic	1	64	65	**7.6**	183.22	**2.8**	5-10	5-10	Good	Fair	Mature	5-10	Co-dominant stems; Deadwood/stubs < 30mm; Epicormic growth; Wound(s);	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1016	*Ligustrum sp.*	Privet	Exotic	1	10	13	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	10-15	Undesirable species;		Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. Exempt species.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1017	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	35	40	**4.2**	55.42	**2.3**	10-15	5-10	Good	Good	Mature	25-50		Attractive landscape feature; Screen value; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1018	*Tibouchina laurina*	Tibouchina	Exotic	1	17	16	**2.0**	13.07	**1.5**	<5	<5	Poor	Fair	Mature	<5	Deadwood/stubs > 30mm; Dieback; Epicormic growth; Excessive thinning; Suppressed;		Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. 11-08-2021 : Jamie Oates : Tree assessed. Remove tree in advanced decline.	U		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1019	*Ligustrum sp.*	Privet	Exotic	4	15	18	**2.0**	12.57	**1.6**	5-10	<5	Good	Fair	Semi-Mature	15-25	Hanger(s); Undesirable species;	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. Multiple trees TPZ are nominal. Exempt species. 11-08-2021 : Jamie Oates : Tree assessed. Group of 4. Remove small hangers.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1020	*Cinnamomum camphora*	Camphor Laurel	Exotic	1	47	52	**5.6**	99.93	**2.5**	10-15	5-10	Good	Good	Semi-Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Undesirable species;	Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. Exempt species.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1021	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	30	32	**3.6**	40.72	**2.1**	5-10	5-10	Good	Good	Semi-Mature	25-50		Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1022	*Cinnamomum camphora*	Camphor Laurel	Exotic	1	82	101	**9.8**	304.19	**3.3**	10-15	10-15	Good	Good	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Epicormic growth; Undesirable species;	Attractive landscape feature; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : Located outside fence line. Exempt species if in private property. 12-01-2021 : Sam Munro : Check ownership. May be council tree as it is outside the fence.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1023	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	32	44	**3.9**	47.50	**2.3**	10-15	5-10	Good	Fair	Semi-Mature	10-15	Co-dominant stems; Included bark; Poor pruning; Uncharacteristic form;	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. 12-01-2021 : Sam Munro : Tight V-shaped bifurcated at 1m with included bark. Northern leader lopped to accommodate power lines.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1024	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	42	60	**5.1**	80.25	**2.7**	10-15	5-10	Good	Fair	Semi-Mature	15-25	Co-dominant stems; Deadwood/stubs < 30mm; Included bark; Poor pruning; Uncharacteristic form;	Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : TPZ & SRZ dimensions estimated from outside property as property is tenanted. 12-01-2021 : Sam Munro : Quad-furcated at base with included bark. Two northern leaders lopped to accommodate power lines.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
1025	*Lagerstroemia indica*	Crepe Myrtle	Exotic	1	11	10	**2.0**	12.57	**1.5**	<5	<5	Fair	Fair	Semi-Mature	5-10	Co-dominant stems; Crossing/rubbing branches; Dieback; Epicormic growth; Parasitic plant/mistletoe;		Recital Hall		C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1026	*Camellia sp.*	Camellia	Exotic	1	21	24	**2.5**	19.77	**1.8**	5-10	<5	Good	Good	Mature	25-50	Co-dominant stems;	Attractive landscape feature; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. TPZ & SRZ dimensions estimated from outside property as property is tenanted.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1027	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	50	60	**6.0**	113.10	**2.7**	10-15	5-10	Good	Good	Mature	25-50		Attractive landscape feature; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. TPZ & SRZ dimensions estimated from outside property as property is tenanted. 11-08-2021 : Jamie Oates : Tree assessed. Possum banding has been installed at 5m.	B	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1028	*Cedrus deodara*	Himalayan Cedar	Exotic	1	86	104	**10.3**	334.59	**3.4**	15-20	10-15	Good	Fair	Mature	25-50	Co-dominant stems; Deadwood/stubs < 30mm; Poor pruning;	Attractive landscape feature; Significant due to age/size; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. 11-08-2021 : Jamie Oates : Tree assessed. Northern crown overhangs power lines, footpath and road.	A	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1029	*Archontophoenix cunninghamiana*	Bangalow Palm	Endemic	1	19	24	**2.3**	16.33	**1.8**	5-10	<5	Good	Good	Semi-Mature	<5	Inappropriate location;		Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. 11-08-2021 : Jamie Oates : Tree assessed. Location under large Cedar will not accommodate long term growth.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1030	*Chamaecyparis obtusa*	Hinoki Cypress	Exotic	1	52	64	**6.2**	122.33	**2.7**	10-15	5-10	Good	Fair	Mature	15-25	Co-dominant stems; Poor pruning;	Attractive landscape feature; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building 11-08-2021 : Jamie Oates : Tree assessed.	B	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1031	*Camellia sp.*	Camellia	Exotic	3	18	11	**2.2**	14.66	**1.5**	<5	<5	Good	Fair	Mature	25-50	Epicormic growth; Included bark;	Attractive landscape feature; Screen value; Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : One tree located north and south of tagged tree. 24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1032	*Ligustrum sp.*	Privet	Exotic	1	5	8	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Undesirable species;		Recital Hall	24-11-2021 : Tom Axford : Exempt species. 11-08-2021 : Jamie Oates : Tree assessed.	C	3	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1033	*Camellia sp.*	Camellia	Exotic	1	16	14	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth; Included bark; Poor pruning;	Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. 11-08-2021 : Jamie Oates : Tree assessed.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1034	*Callistemon citrinus*	Crimson Bottlebrush	Native	1	23	30	**2.7**	23.25	**2.0**	<5	5-10	Good	Good	Mature	15-25	Co-dominant stems; Crossing/rubbing branches;	Amenity value/shade;	Recital Hall		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1035	*Camellia sp.*	Camellia	Exotic	1	10	22	**2.0**	12.57	**1.8**	<5	<5	Good	Good	Mature	25-50	Co-dominant stems; Crossing/rubbing branches;	Attractive landscape feature; Screen value; Amenity value/shade;	Recital Hall		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1036	*Camellia sp.*	Camellia	Exotic	1	9	22	**2.0**	12.57	**1.8**	<5	<5	Good	Good	Semi-Mature	25-50		Attractive landscape feature; Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. 11-08-2021 : Jamie Oates : Tree assessed.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1037	*Camellia sp.*	Camellia	Exotic	1	9	18	**2.0**	12.57	**1.6**	<5	<5	Good	Good	Semi-Mature	25-50		Attractive landscape feature; Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. 11-08-2021 : Jamie Oates : Tree assessed.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1038	*Camellia sp.*	Camellia	Exotic	1	22	22	**2.6**	21.04	**1.8**	<5	<5	Good	Good	Semi-Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Epicormic growth; Poor pruning;	Attractive landscape feature; Amenity value/shade; Screen value;	Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. 11-08-2021 : Jamie Oates : Tree assessed.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1039	*Palm species*	Palm species	Native	1	40	40	**4.8**	72.38	**2.3**	<5	<5	Good	Good	Juvenile	25-50		Amenity value/shade;	Recital Hall		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1040	*Acer palmatum ssp. palmatum*	Japanese Maple	Exotic	1	46	52	**5.5**	95.59	**2.5**	<5	5-10	Good	Fair	Mature	5-10	Cavity(s); Co-dominant stems; Epicormic growth; Poor pruning; Wound(s);	Amenity value/shade;	Recital Hall	24-11-2021 : Tom Axford : Exempt due to proximity of tree to existing building. 11-08-2021 : Jamie Oates : Tree assessed. 12-01-2021 : Sam Munro : Large cavity on northern leader.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1041	*Syzygium sp.*	Lilly Pilly	Native	1	5	8	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	15-25	Suppressed;	Amenity value/shade; New Planting;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Suppression influencing ULE.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1046	*Banksia serrata*	Saw-toothed Banksia	Endemic	1	5	12	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	25-50	Crossing/rubbing branches; Poor pruning;	Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1047	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	10	14	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	25-50	Crossing/rubbing branches;	Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1048	*Eucalyptus sp.*	Eucalypt	Native	1	3	4	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	25-50	Poor pruning;	Amenity value/shade; New Planting;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Insufficient reproductive material available at time of assessment for positive species ID, existing traits share similarities with E. cinerea.	C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1049	*Eucalyptus sp.*	Eucalypt	Native	1	3	3	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	25-50	Co-dominant stems; Poor pruning;	Amenity value/shade; New Planting;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Insufficient reproductive material available at time of assessment for positive species ID, existing traits share similarities with E. cinerea.	C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1050	*Acer palmatum cvr.*	Variegated Japanese Maple	Exotic	1	16	16	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Semi-Mature	25-50	Co-dominant stems;	Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1051	*Banksia ericifolia*	Heath-leaved Banksia	Endemic	1	7	8	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	15-25	Poor pruning; Suppressed; Wound(s);	Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1052	*Acer palmatum cvr.*	Variegated Japanese Maple	Exotic	1	24	22	**2.9**	26.24	**1.8**	<5	<5	Good	Good	Semi-Mature	25-50	Co-dominant stems;	Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1053	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	14	19	**2.0**	12.57	**1.6**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1054	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	11	14	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems; Wound(s);	Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1055	*Lagerstroemia indica*	Crepe Myrtle	Exotic	1	10	13	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	25-50	Co-dominant stems; Included bark; Wound(s);	Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1056	*Backhousia citriodora*	Lemon-scented Myrtle	Native	1	9	12	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	>50		Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1057	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	13	16	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Semi-Mature	15-25		Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1058	*Syzygium sp.*	Lilly Pilly	Native	1	10	15	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	15-25	Suppressed;	Amenity value/shade; New Planting;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Suppression influencing ULE	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1059	*Tristaniopsis laurina*	Kanooka	Endemic	1	31	40	**3.7**	42.93	**2.3**	<5	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth; Poor pruning; Wound(s);	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1060	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	30	45	**3.6**	41.03	**2.4**	<5	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth; Poor pruning; Wound(s);	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
1061	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	24	26	**2.8**	25.38	**1.9**	<5	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth; Poor pruning; Wound(s);	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1062	*Tristaniopsis laurina*	Kanooka	Endemic	1	30	27	**3.6**	40.81	**1.9**	<5	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth; Poor pruning; Wound(s);	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1063	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	29	43	**3.5**	37.82	**2.3**	<5	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth; Poor pruning; Wound(s);	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1064	*Tristaniopsis laurina*	Kanooka	Endemic	1	24	22	**2.9**	26.24	**1.8**	<5	<5	Good	Good	Semi-Mature	25-50	Co-dominant stems;	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1065	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	25	44	**3.0**	29.13	**2.3**	<5	<5	Good	Good	Semi-Mature	25-50	Co-dominant stems; Epicormic growth;	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1066	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	23	33	**2.8**	24.34	**2.1**	<5	<5	Good	Good	Semi-Mature	25-50	Co-dominant stems; Crossing/rubbing branches; Epicormic growth;	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1067	*Tristaniopsis laurina*	Kanooka	Endemic	1	37	38	**4.4**	61.30	**2.2**	<5	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth; Included bark; Poor pruning;	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1068	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	16	21	**2.0**	12.57	**1.7**	<5	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth; Poor pruning;	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1069	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	22	42	**2.6**	21.31	**2.3**	<5	<5	Good	Fair	Semi-Mature	25-50	Co-dominant stems; Epicormic growth; Poor pruning;	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1070	*Tristaniopsis laurina*	Kanooka	Endemic	1	18	24	**2.2**	14.66	**1.8**	<5	<5	Good	Good	Semi-Mature	25-50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1071	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	26	39	**3.1**	30.67	**2.2**	<5	<5	Good	Good	Semi-Mature	25-50	Co-dominant stems; Wound(s);	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1072	*Tristaniopsis laurina*	Kanooka	Endemic	1	28	33	**3.4**	36.64	**2.1**	<5	<5	Good	Good	Semi-Mature	25-50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1073	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	28	34	**3.4**	35.56	**2.1**	<5	<5	Good	Good	Semi-Mature	25-50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1074	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	23	26	**2.7**	23.52	**1.9**	<5	<5	Good	Good	Semi-Mature	25-50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	22-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1075	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	6	9	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	>50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1076	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	5	7	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	>50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1077	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	4	6	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	>50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1078	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	4	6	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	>50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1079	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	4	5	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	>50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1080	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	4	5	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	>50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1081	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	5	7	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1082	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	5	8	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	25-50	Crossing/rubbing branches; Epicormic growth;	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1083	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	4	6	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1084	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	9	11	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	25-50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1085	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	4	7	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping		C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1086	*Angophora costata*	Smooth-barked Apple Myrtle	Endemic	1	4	7	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50		Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	24-11-2021 : Tom Axford : Dimensions estimated as tree located within fenced and locked TPZ.	C		Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1087	*Liquidambar styraciflua*	Sweet Gum	Exotic	1	6	7	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	15-25	Suppressed;	Amenity value/shade; New Planting; Avenue tree;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Suppression influencing ULE. Located on raised garden bed treated pine retaining wall to the west.	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1088	*Syzygium sp.*	Lilly Pilly	Native	1	23	29	**2.8**	23.98	**2.0**	5-10	<5	Good	Fair	Juvenile	25-50	Co-dominant stems; Crossing/rubbing branches; Included bark;	Amenity value/shade; New Planting; Avenue tree; Screen value;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Located on raised garden bed treated one retaining wall to the west.x	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1089	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	19	20	**2.3**	16.33	**1.7**	5-10	<5	Good	Fair	Semi-Mature	15-25	Suppressed;	Amenity value/shade; New Planting; Avenue tree; Screen value;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Suppression influencing ULE	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1090	*Elaeocarpus reticulatus*	Blueberry Ash	Endemic	1	4	6	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Suppressed;	Amenity value/shade; New Planting; Avenue tree; Screen value;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1091	*Syzygium floribundum*	Weeping Lilly Pilly	Native	1	6	108	**2.0**	12.57	**3.4**	<5	<5	Good	Poor	Mature	<5	Epicormic growth; Poor pruning; Suckers; Uncharacteristic form;	Avenue tree; Screen value;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Tree consists entirely of lignotuber/epicormic regrowth from the previously removed tree, remove and replace the tree elsewhere in the landscape.	U		Remove tree irrespective of future development.
1092	*Unknown sp.*	Unknown sp.	Native	1	9	11	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Crossing/rubbing branches;	Amenity value/shade; Avenue tree; Screen value; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1093	*Unknown sp.*	Unknown sp.	Native	1	11	13	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	25-50	Co-dominant stems; Crossing/rubbing branches; Included bark;	Amenity value/shade; Avenue tree; Screen value; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1094	*Unknown sp.*	Unknown sp.	Native	1	4	6	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50		Amenity value/shade; Avenue tree; Screen value; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1095	*Washingtonia sp*	Washington Palm	Exotic	1	30	30	**3.6**	40.72	**2.0**	<5	<5	Good	Good	Juvenile	25-50	Suppressed;	Amenity value/shade; Avenue tree; Screen value; New Planting;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Suppression influencing ULE	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
1096	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	24	26	**2.9**	26.06	**1.9**	10-15	<5	Good	Fair	Mature	15-25	Suppressed;	Attractive landscape feature; Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping	25-03-2022 : Tom Axford : Tree assessed. 23-11-2021 : Tom Axford : Located on raised garden bed treated one retaining wall to the west.	B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1097	*Jacaranda mimosifolia*	Jacaranda	Exotic	1	24	22	**2.9**	26.51	**1.8**	10-15	<5	Good	Fair	Mature	15-25	Co-dominant stems; Suppressed;	Amenity value/shade; Avenue tree; Screen value; Attractive landscape feature;	Stage 1 - Landscaping		B	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1098	*Pittosporum undulatum*	Sweet Pittosporum	Endemic	1	19	28	**2.3**	16.78	**1.9**	<5	<5	Good	Good	Semi-Mature	15-25	Suppressed;	Amenity value/shade; Avenue tree; Screen value;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1099	*Unknown sp.*	Unknown sp.	Native	1	5	7	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	<5	Co-dominant stems; Included bark; Suppressed; Uncharacteristic form;	Unsuitable to site conditions; Avenue tree; Screen value; New Planting; Amenity value/shade;	Stage 1 - Landscaping	23-11-2021 : Tom Axford : Suppression influencing ULE	U		Remove tree irrespective of future development.
1100	*Syzygium floribundum*	Weeping Lilly Pilly	Native	1	7	9	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50		Avenue tree; Screen value; New Planting; Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1101	*Unknown sp.*	Unknown sp.	Native	1	8	13	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	15-25	Co-dominant stems; Included bark;	Avenue tree; Screen value; New Planting; Amenity value/shade;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1102	*Callistemon viminalis*	Weeping Bottlebrush	Native	1	13	22	**2.0**	12.57	**1.8**	<5	<5	Good	Good	Semi-Mature	25-50	Suppressed;	Amenity value/shade; New Planting;	Stage 1 - Landscaping		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1103	*Callistemon salignus*	Willow Bottlebrush	Endemic	1	32	41	**3.9**	46.91	**2.3**	<5	<5	Good	Fair	Mature	15-25	Co-dominant stems; Crossing/rubbing branches; Included bark; Mechanical damage to root(s); Previous failure(s); Soil grade changes;	Amenity value/shade;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1106	*Backhousia citriodora*	Lemon-scented Myrtle	Native	1	6	9	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; New Planting;	Aquatic Centre	23-11-2021 : Tom Axford : Tree located ~1m north of ~6m high retaining wall for existing tennis courts. TPZ & SRZ dimensions estimated from outside locked and fenced area.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1111	*Eucalyptus microcorys*	Tallowwood	Native	1	20	24	**2.4**	18.10	**1.8**	5-10	<5	Good	Good	Juvenile	>50		Amenity value/shade; Screen value;	Aquatic Centre	23-11-2021 : Tom Axford : Tree located ~3m north of ~4m high retaining wall for existing tennis courts.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1112	*Eucalyptus microcorys*	Tallowwood	Native	1	15	17	**2.0**	12.57	**1.6**	5-10	<5	Good	Good	Juvenile	>50		Amenity value/shade; Screen value;	Aquatic Centre	23-11-2021 : Tom Axford : Tree located ~5m north up embankment from ~4m high retaining wall for existing tennis courts.	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1113	*Syzygium sp.*	Lilly Pilly	Native	1	12	20	**2.0**	12.57	**1.7**	<5	<5	Good	Good	Juvenile	25-50		Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1114	*Syzygium sp.*	Lilly Pilly	Native	1	12	19	**2.0**	12.57	**1.6**	<5	<5	Good	Good	Juvenile	25-50		Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1115	*Syzygium sp.*	Lilly Pilly	Native	1	16	22	**2.0**	12.57	**1.8**	5-10	<5	Good	Good	Juvenile	25-50		Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1116	*Syzygium sp.*	Lilly Pilly	Native	1	17	24	**2.1**	13.84	**1.8**	5-10	<5	Good	Good	Juvenile	25-50		Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1117	*Syzygium sp.*	Lilly Pilly	Native	1	17	25	**2.0**	13.12	**1.8**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems; Crossing/rubbing branches; Included bark; Wound(s);	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1118	*Syzygium sp.*	Lilly Pilly	Native	1	20	21	**2.4**	18.10	**1.7**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1119	*Syzygium sp.*	Lilly Pilly	Native	1	13	17	**2.0**	12.57	**1.6**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1120	*Syzygium sp.*	Lilly Pilly	Native	1	11	15	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1121	*Casuarina cunninghamiana*	River She-oak	Endemic	1	17	22	**2.0**	13.07	**1.8**	5-10	<5	Good	Good	Juvenile	25-50	Poor pruning;	Amenity value/shade; Screen value; Within group;	Aquatic Centre	23-11-2021 : Tom Axford : Proximity to surrounding infrastructure influencing ULE	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1122	*Syzygium sp.*	Lilly Pilly	Native	1	22	27	**2.6**	21.76	**1.9**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1123	*Syzygium sp.*	Lilly Pilly	Native	1	17	19	**2.0**	13.07	**1.6**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems; Crossing/rubbing branches;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1124	*Syzygium sp.*	Lilly Pilly	Native	1	18	24	**2.2**	15.38	**1.8**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1125	*Syzygium sp.*	Lilly Pilly	Native	1	18	19	**2.1**	14.16	**1.6**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1126	*Syzygium sp.*	Lilly Pilly	Native	1	11	12	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	15-25	Co-dominant stems; Suppressed;	Amenity value/shade; Screen value; Within group;	Aquatic Centre	23-11-2021 : Tom Axford : Suppression influencing ULE	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1127	*Syzygium sp.*	Lilly Pilly	Native	1	13	19	**2.0**	12.57	**1.6**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1128	*Syzygium sp.*	Lilly Pilly	Native	1	14	21	**2.0**	12.57	**1.7**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1129	*Syzygium sp.*	Lilly Pilly	Native	1	10	14	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1130	*Syzygium sp.*	Lilly Pilly	Native	1	9	11	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1131	*Syzygium sp.*	Lilly Pilly	Native	1	8	15	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	25-50		Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1132	*Syzygium sp.*	Lilly Pilly	Native	1	6	9	**2.0**	12.57	**1.5**	5-10	<5	Good	Fair	Juvenile	10-15	Co-dominant stems; Suppressed;	Amenity value/shade; Screen value; Within group;	Aquatic Centre	23-11-2021 : Tom Axford : Suppression influencing ULE	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1133	*Syzygium sp.*	Lilly Pilly	Native	1	10	11	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1134	*Syzygium sp.*	Lilly Pilly	Native	1	14	14	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1135	*Syzygium sp.*	Lilly Pilly	Native	1	11	11	**2.0**	12.57	**1.5**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.

Tree no.	*Botanical Name*	Common Name	Origin	Trees in group	DBH Total (cm)	DRB (cm)	Radial TPZ (m)	TPZ area (m2)	Radial SRZ (m)	Tree Height (m)	Canopy (m)	Health	Structure	Age	TLE (Yrs.)	Defects	Significance	Stage	Arborist comments	Tree Quality Score	Tree Retention value subcategory	Recommendation
1136	*Syzygium sp.*	Lilly Pilly	Native	1	8	9	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	15-25	Co-dominant stems; Suppressed; Wound(s);	Amenity value/shade; Screen value; Within group;	Aquatic Centre	23-11-2021 : Tom Axford : Suppression influencing ULE	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1137	*Syzygium sp.*	Lilly Pilly	Native	1	4	6	**2.0**	12.57	**1.5**	<5	<5	Fair	Fair	Juvenile	10-15	Dieback; Epicormic growth; Suppressed;	Amenity value/shade; Screen value; Within group;	Aquatic Centre	23-11-2021 : Tom Axford : Suppression influencing ULE	C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1138	*Syzygium sp.*	Lilly Pilly	Native	1	9	9	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1139	*Syzygium sp.*	Lilly Pilly	Native	1	7	9	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1140	*Syzygium sp.*	Lilly Pilly	Native	1	11	12	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1141	*Syzygium sp.*	Lilly Pilly	Native	1	11	11	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1142	*Syzygium sp.*	Lilly Pilly	Native	1	17	22	**2.0**	13.07	**1.8**	<5	<5	Good	Fair	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Remove - tree located within proposed development footprint or has major encroachment into its TPZ.
1143	*Syzygium sp.*	Lilly Pilly	Native	1	23	23	**2.8**	24.84	**1.8**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	3	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1144	*Syzygium sp.*	Lilly Pilly	Native	1	16	24	**2.0**	12.57	**1.8**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1145	*Syzygium sp.*	Lilly Pilly	Native	1	19	21	**2.3**	16.33	**1.7**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1146	*Syzygium sp.*	Lilly Pilly	Native	1	18	21	**2.2**	14.66	**1.7**	5-10	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1147	*Syzygium sp.*	Lilly Pilly	Native	1	17	19	**2.0**	13.07	**1.6**	5-10	<5	Good	Good	Juvenile	15-25		Amenity value/shade; Screen value; Within group;	Aquatic Centre	23-11-2021 : Tom Axford : Proximity to infrastructure influencing ULE	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1148	*Syzygium sp.*	Lilly Pilly	Native	1	6	9	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1149	*Syzygium sp.*	Lilly Pilly	Native	1	6	9	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1150	*Syzygium sp.*	Lilly Pilly	Native	1	6	8	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1151	*Syzygium sp.*	Lilly Pilly	Native	1	5	7	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1152	*Syzygium sp.*	Lilly Pilly	Native	1	4	6	**2.0**	12.57	**1.5**	<5	<5	Fair	Fair	Juvenile	15-25	Dieback; Epicormic growth; Suppressed;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1153	*Syzygium sp.*	Lilly Pilly	Native	1	3	4	**2.0**	12.57	**1.5**	<5	<5	Fair	Fair	Juvenile	5-10	Dieback; Epicormic growth; Suppressed;	Amenity value/shade; Screen value; Within group;	Aquatic Centre	23-11-2021 : Tom Axford : Suppression influencing ULE	C	12	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1154	*Syzygium sp.*	Lilly Pilly	Native	1	7	9	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	15-25	Suppressed;	Amenity value/shade; Screen value; Within group;	Aquatic Centre	23-11-2021 : Tom Axford : Suppression influencing ULE	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1155	*Syzygium sp.*	Lilly Pilly	Native	1	6	9	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1156	*Syzygium sp.*	Lilly Pilly	Native	1	11	12	**2.0**	12.57	**1.5**	<5	<5	Good	Good	Juvenile	25-50	Co-dominant stems;	Amenity value/shade; Screen value; Within group;	Aquatic Centre		C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).
1157	*Syzygium sp.*	Lilly Pilly	Native	1	4	5	**2.0**	12.57	**1.5**	<5	<5	Good	Fair	Juvenile	15-25	Suppressed;	Amenity value/shade; Screen value; Within group;	Aquatic Centre	23-11-2021 : Tom Axford : Suppression influencing ULE	C	2	Retain tree with generic protection requirements (i.e. protective fencing and restriction of activities within the TPZ).

For further information
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