



Arboricultural Impact Assessment Report

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1. INTRODUCTION

- 1.1 Hugh The Arborist Pty Ltd have been instructed by the client Centuria Capital to provide an Arboricultural Impact Assessment Report to assess trees located on and adjoining the site that may be impacted by a proposed development.

Table 1: Proposed Plans And Documents Reviewed For The Assessment

| Title | Author | Date | Reference on document |
|------------------------------|-----------------------|------------|------------------------|
| Detail and Level Survey Plan | LTS | 12/10/2020 | 51145001DT |
| Concept Bulk Earthworks Plan | Costin Roe Consulting | 29/4/2024 | Sheets 1 and 2 Issue C |

- 1.2 The site assessment and tree data collection was carried out on 6th June 2023. Access was available to the subject site and adjoining public areas only. All tree data contained in this report was collected during this time.
- 1.3 The weather during of the site inspection was clear with average visibility.

2. SCOPE OF THE REPORT

- 2.1 This report has been undertaken to meet the following objectives.
- 2.1.1 Conduct a visual assessment from ground level of trees identified on the survey plan provided located on and adjoining the site that may be impacted by a proposed development.
- 2.1.2 For the purpose of this report, a tree taken to be a perennial plant with a self-supporting stem with a height greater than 4 metres, a canopy spread of more than 3 metres and a trunk diameter of more than 75 millimetres when measured at 1 metre above ground level.
- 2.1.3 Determine the trees estimated contributing years, remaining useful life expectancy and award the trees a retention value.
- 2.1.4 Provide an assessment of the potential impact the proposed development is likely to have on the condition of the subject trees in accordance with AS4970 Protection of trees on development sites (2009).
- 2.1.5 Recommend methods to mitigate development impacts where appropriate.
- 2.1.6 Recommend pragmatic tree protection measures for any tree to be retained in accordance with AS4970 Protection of Trees on Development Sites - 2009.

3. LIMITATIONS

- 3.1 The findings of this report are based on the observations and site conditions at the time inspection.
- 3.2 All observations were carried out from ground level. No detailed additional testing was carried out on trees or soil on site and none of the surrounding surfaces were lifted for investigation.
- 3.3 Trees that have not been included on the survey provided have been plotted using available setbacks on site. Therefore, their exact location and associated development impacts may vary.
- 3.4 Root decay can sometimes be present with no visual indication above ground. It is also impossible to know the extent of any root damage caused by mechanical damage such as underground root cutting during the installation of services without undertaking detailed root investigation. Any form of tree failure due to these activities is beyond the scope of this assessment.
- 3.5 The report reflects the subject tree(s) as found on the day of inspection. Any changes to the growing environment of the subject tree, or tree management works beyond those recommended in this report may alter the findings of the report. There is no warranty, expressed or implied, that problems or deficiencies relating to the subject tree, or subject site may not arise in the future.
- 3.6 Tree identification is based on accessible visual characteristics at the time of inspection. As key identifying features are not always available the accuracy of identification is not guaranteed. Where tree species is unknown, it is indicated with a spp.
- 3.7 All diagrams, plans and photographs included in this report are visual aids only and are not to scale unless otherwise indicated.
- 3.8 Hugh The Arborist neither guarantees, nor is responsible for, the accuracy of information provided by others that is contained within this report.
- 3.9 While an assessment of the subject trees estimated useful life expectancy is included in this report, no specific tree risk assessment has been undertaken for any of trees at the site.
- 3.10 The retention of trees subject to development impact is only feasible if all recommendations and specifications are followed accurately.

- 3.11 Sensitive methods of construction such as sub-surface boring, manual (or non-destructive excavation) and the use of structural soil for fill may have limitations where the engineering requirements of the design cannot be met using these methods or materials. These limitations may include pipe diameters, compaction and drainage requirements. Recommendations made in this report relating to amended methodology or materials should be reviewed by a professional qualified in the relevant field.
- 3.12 The ultimate safety of any tree cannot be categorically guaranteed. Even trees apparently free of defects can collapse or partially collapse in extreme weather conditions. Trees are dynamic, biological entities subject to changes in their environment, the presence of pathogens and the effects of ageing. These factors reinforce the need for regular inspections. It is generally accepted that hazards can only be identified from distinct defects or from other failure-prone characteristics of a tree or its locality.
- 3.13 Alteration of this report invalidates the entire report.

4. METHODOLOGY

- 4.1 The following information was collected during the assessment of the subject tree(s).
- 4.1.1 Tree common name
 - 4.1.2 Tree botanical name
 - 4.1.3 Tree age class
 - 4.1.4 DBH (Trunk/Stem diameter at breast height/1.4m above ground level) - millimetres.
 - 4.1.5 Estimated height - metres
 - 4.1.6 Estimated crown spread (Radius of crown) - metres
 - 4.1.7 Health
 - 4.1.8 Structural condition
 - 4.1.9 Amenity value
 - 4.1.10 Estimated remaining contribution years (SULE)¹
 - 4.1.11 Retention value (Tree AZ)²
 - 4.1.12 Notes/comments

¹ Barrell Tree Consultancy, *SULE: Its use and status into the New Millennium*, TreeAZ/03/2001, <http://www.treeaz.com/>.

² Barrell Tree Consultancy, *Tree AZ version 10.10-ANZ*, <http://www.treeaz.com/>.

- 4.1.13 An assessment of the trees condition was made using the visual tree assessment (VTA) model (Mattheck & Breloer, 1994).³
- 4.1.14 Tree diameter was measured using a set of 400 millimetre metal callipers and a calculated DBH tape measure. All other measurements were estimations unless otherwise stated.
- 4.1.15 All DBH measurements, tree protection zones, and structural root zones were calculated in accordance with methods set out in AS4970 Protection of trees on development sites (2009) ⁴ and in some cases estimated. See appendices for information.
- 4.1.16 Details of how the observations in this report have been assessed are listed in the appendices.

5. SITE LOCATION AND BRIEF DESCRIPTION OF PROPOSAL

- 5.1 The site is located in the suburb of Wetherill Park within the Fairfield Council Local Government Area. This assessment has been carried out in accordance with the following policy and legislation.
 - 5.1.1 Fairfield City Wide Development Control Plan 2013
 - 5.1.2 Fairfield Local Environment Plan 2013
 - 5.1.3 State Environmental Planning Policy (SEPP) (Biodiversity and Conservation Act) 2021
- 5.2 The subject site contains predominantly hard surfaces. The site contains multiple mature and semi mature trees of native and non-native origin.
- 5.3 The site has not been identified as within a heritage conservation area according to Councils LEP Maps.⁵
- 5.4 The proposed development comprises the demolition of existing buildings and structures, construction and operational use of a single-storey warehouse and distribution centre with ancillary office space and amenities, on-site parking, landscaping and access, and other associated works including bulk earthworks, site preparation works and site clearance, as well as augmentation and construction of servicing utilities.⁶

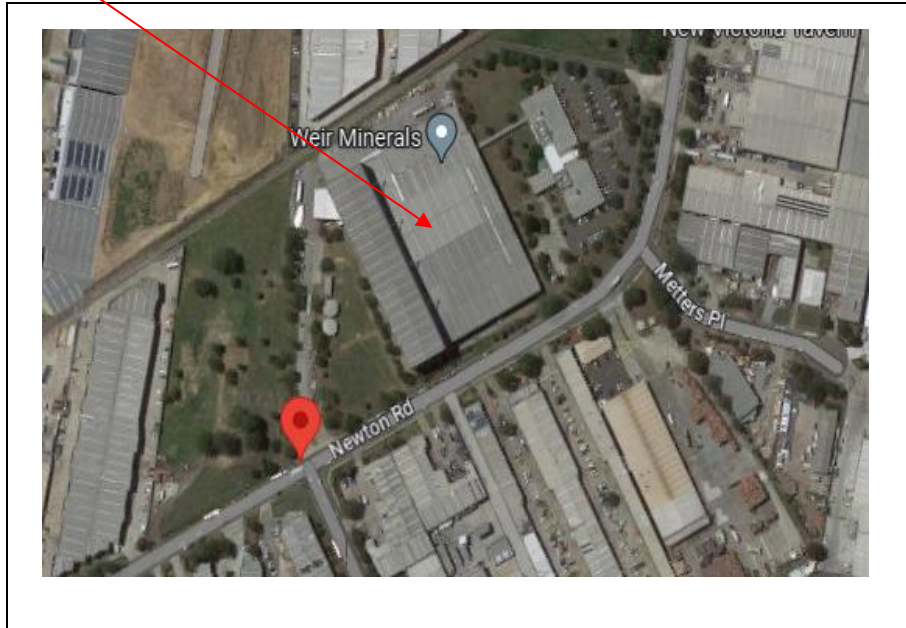
³ Mattheck, C. & Breloer, H., *The body language of trees - A handbook for failure analysis*, The Stationary Office, London, England (1994).

⁴ Council of Standards Australia, *AS4970 Protection of trees on development sites* (2009).

⁵ https://eplanningdlprod.blob.core.windows.net/pdfmaps/2850_COM_HER_010_010_20130117.pdf

⁶ Centuria Capital

Image 1: Site location⁷



6. OBSERVATIONS AND GENERAL INFORMATION IN RELATION TO PROTECTING TREES ON DEVELOPMENT SITES

- 6.1 **Tree information:** Details of each individual tree assessed, including the observations taken during the site inspection can be found in the tree inspection schedule in appendix 2, where the indicative tree protection zone (TPZ) for the subject trees has been calculated. The TPZ and SRZ should be measured in radius from the centre of the trunk. Trees have been awarded a retention value based on site observations. The system used to award the retention value is Tree AZ. Tree AZ is used to identify higher value trees worthy of being a constraint to development and lower value trees that should generally not be a constraint to the development. A field sheet of Tree AZ categories sheet (Barrell Tree Consultancy) has been included at the end of the report to assist with understanding the retention values. The retention value that has been allocated to the subject trees in this report is not definitive and should only be used as a guideline.

⁷ <https://www.google.com/maps>

6.2 **Site plans:** The following site plans have been prepared in Appendix 1.

- **Appendix 1** – Existing Site Plan
- **Appendix 1A** – Proposed Bulk Earthworks Plan Sheet 1
- **Appendix 1B** – Proposed Bulk Earthworks Plan Sheet 2

All site plans contain the tree identification numbers, canopy spread, Tree Protection Zone and Structural Root Zone overlaid.

6.3 **Tree protection zone (TPZ):** The TPZ is principle means of protecting trees on development sites and is an area required to maintain the viability of trees during development. It is commonly observed that tree roots will extend significantly further than the indicative TPZ, however the TPZ is an area identified AS4970-2009 to be the extent where root loss or disturbance will generally impact the viability of the tree. The TPZ is identified as a restricted area to prevent damage to trees either above or below ground during a development. Where trees are intended to be retained proposed developments must provide an adequate TPZ around trees. The TPZ is set aside for the tree's root zone, trunk and crown and it is essential for the stability and longevity of the tree. The tree protection also incorporates the SRZ (see below for more information about the SRZ). The TPZ of palms, other monocots, cycads and tree ferns has been calculated at one metre outside the crown projection.

6.4 **Structural Root Zone (SRZ):** This is the area around the base of a tree required for the trees stability in the ground. An area larger than the SRZ always needs to be maintained to preserve a viable tree. There are several factors that can vary the SRZ which include height, crown area, soil type and soil moisture. It can also be influenced by other factors such as natural or built structures. Generally work within the SRZ should be avoided. Soil level changes should also generally be avoided inside the SRZ of trees to be retained. Palms, other monocots, cycads and tree ferns do not have an SRZ.

6.5 **Minor encroachment into TPZ:** Sometimes encroachment into the TPZ is unavoidable. Encroachment includes but is not limited to activities such as excavation, compacted fill and machine trenching. Minor encroachment of up to 10% of the overall TPZ area is normally considered acceptable, providing there is space adjacent to the TPZ for the tree to compensate and the tree is displaying adequate vigour/health to tolerate changes to its growing environment.

- 6.6 **Major encroachment into TPZ:** Where encroachment of more than 10% of the overall TPZ area is proposed an Arborist must investigate and demonstrate that the tree will remain in a viable condition. In some cases, tree sensitive construction methods such as pier and beam footings, suspended slabs, or cantilevered sections, can be utilised to allow additional encroachment into the TPZ by bridging over roots and minimising root disturbance. Major encroachment is only possible if it can be undertaken without severing significant size roots, or if it can be demonstrated that significant roots will not be impacted.

7. ASSESSEMENT OF CONSTRUCTION IMPACTS

7.1 **Table 2:** The table below contains an impact summary of the proposed development impact to all trees included in the assessment. **Tree Protection Zone and Structural Root Zone have been abbreviated to TPZ and SRZ.**

7.2 The concept Bulk Earthworks Plans referenced in Table 1 of this report have been used for the basis of the tree assessment and are included in the appendices section of this report.

| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|--------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 1 | <i>Eucalyptus tereticornis</i> | A2 | 6.1 | 2.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 2 | <i>Eucalyptus tereticornis</i> | A2 | 3.7 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 3 | <i>Eucalyptus tereticornis</i> | A1 | 5.0 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 4 | <i>Schinus molle</i> | A1 | 4.6 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 5 | <i>Eucalyptus tereticornis</i> | A2 | 4.9 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 6 | <i>Schinus molle</i> | A1 | 4.7 | 2.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 7 | <i>Eucalyptus tereticornis</i> | A2 | 3.2 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 8 | <i>Eucalyptus saligna</i> | A1 | 4.4 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 9 | <i>Eucalyptus moluccana</i> | Z1 | 2.0 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 10 | <i>Eucalyptus moluccana</i> | A2 | 2.0 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 11 | <i>Eucalyptus saligna</i> | A1 | 3.1 | 1.9 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 12 | <i>Eucalyptus tereticornis</i> | A1 | 3.5 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |



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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|--------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 13 | <i>Eucalyptus tereticornis</i> | A1 | 6.0 | 2.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 14 | <i>Eucalyptus moluccana</i> | A1 | 2.9 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 15 | <i>Eucalyptus moluccana</i> | A2 | 2.0 | 1.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 16 | <i>Eucalyptus moluccana</i> | A1 | 3.3 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 17 | <i>Eucalyptus moluccana</i> | A1 | 3.2 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 18 | <i>Eucalyptus moluccana</i> | A1 | 3.3 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 19 | <i>Eucalyptus resinifera</i> | Z4 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 20 | <i>Eucalyptus tereticornis</i> | A1 | 4.4 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 21 | <i>Eucalyptus resinifera</i> | A1 | 3.2 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 22 | <i>Eucalyptus moluccana</i> | A2 | 3.4 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 23 | <i>Eucalyptus moluccana</i> | A1 | 2.0 | 1.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 24 | <i>Eucalyptus grandis</i> | A1 | 3.1 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |

Report on trees at: 88 Newton Road Wetherill Park
Prepared for: Centuria Capital Ltd
Prepared by: Hugh Millington, hugh@hughtheArborist.com.au
Date prepared: 1st May 2024
Revision A



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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|--------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 25 | <i>Eucalyptus moluccana</i> | A1 | 3.8 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 26 | <i>Eucalyptus grandis</i> | A2 | 2.0 | 1.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 27 | <i>Eucalyptus moluccana</i> | A2 | 2.9 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 28 | <i>Eucalyptus resinifera</i> | A1 | 3.2 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 29 | <i>Eucalyptus moluccana</i> | A1 | 4.2 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 30 | <i>Eucalyptus grandis</i> | Z4 | 2.0 | 1.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 31 | <i>Eucalyptus tereticornis</i> | A1 | 4.6 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 32 | <i>Corymbia citriodora</i> | Z10 | 3.1 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 33 | <i>Eucalyptus grandis</i> | A1 | 4.7 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 34 | <i>Schinus molle</i> | A1 | 3.5 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 35 | <i>Schinus molle</i> | A1 | 3.0 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 36 | <i>Fraxinus excelsior</i> | A2 | 2.4 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 37 | <i>Schinus molle</i> | A1 | 4.3 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |



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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|---------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 38 | <i>Schinus molle</i> | A1 | 4.6 | 2.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 39 | <i>Schinus molle</i> | A1 | 4.6 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 40 | <i>Eucalyptus grandis</i> | Z10 | 4.6 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 41 | <i>Eucalyptus grandis</i> | A1 | 3.8 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 42 | <i>Eucalyptus grandis</i> | A1 | 4.0 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 43 | <i>Eucalyptus grandis</i> | A1 | 4.9 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 44 | <i>Schinus molle</i> | Z1 | 3.7 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 45 | <i>Schinus molle</i> | Z1 | 2.0 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 46 | <i>Schinus molle</i> | A1 | 4.4 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 47 | <i>Schinus molle</i> | Z1 | 2.9 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 48 | <i>Schinus molle</i> | A1 | 4.0 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 49 | <i>Schinus molle</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 50 | <i>Schinus molle</i> | A1 | 2.5 | 1.9 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 51 | <i>Schinus molle</i> | Z1 | 2.0 | 1.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 52 | <i>Schinus molle</i> | A1 | 2.8 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |

Report on trees at: 88 Newton Road Wetherill Park
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Revision A



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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|-------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 53 | <i>Eucalyptus grandis</i> | Z4 | 2.3 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 54 | <i>Eucalyptus grandis</i> | A1 | 3.7 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 55 | <i>Eucalyptus grandis</i> | A1 | 4.5 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 56 | <i>Waterhousia floribunda</i> | A1 | 2.0 | 1.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 57 | <i>Fraxinus raywood</i> | A1 | 2.3 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 58 | <i>Fraxinus excelsior</i> | A1 | 4.0 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 59 | <i>Waterhousia floribunda</i> | A1 | 2.0 | 1.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 60 | <i>Eucalyptus grandis</i> | Z10 | 4.9 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| G1 | <i>Pyrus ussuriensis</i> | A1 | 2.0 | 1.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 61 | <i>Eucalyptus grandis</i> | A1 | 4.3 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 62 | <i>Eucalyptus grandis</i> | A1 | 3.2 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 63 | <i>Eucalyptus grandis</i> | Z10 | 4.6 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 64 | <i>Eucalyptus grandis</i> | Z4 | 4.1 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 65 | <i>Eucalyptus grandis</i> | A1 | 5.0 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 66 | <i>Corymbia maculata</i> | A2 | 4.4 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |

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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|--------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 67 | <i>Corymbia maculata</i> | A1 | 4.6 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 68 | <i>Corymbia maculata</i> | A1 | 4.0 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 69 | <i>Corymbia maculata</i> | A1 | 4.2 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 70 | <i>Eucalyptus paniculata</i> | A2 | 3.5 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 71 | <i>Eucalyptus paniculata</i> | A1 | 4.0 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 72 | <i>Corymbia maculata</i> | A1 | 4.7 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 73 | <i>Corymbia maculata</i> | A1 | 3.2 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 74 | <i>Corymbia maculata</i> | A1 | 5.0 | 2.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 75 | <i>Fraxinus excelsior</i> | A1 | 3.3 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 76 | <i>Fraxinus excelsior</i> | A1 | 4.2 | 2.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 77 | <i>Fraxinus excelsior</i> | A1 | 2.6 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 78 | <i>Eucalyptus grandis</i> | A1 | 4.3 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 79 | <i>Eucalyptus grandis</i> | A1 | 4.8 | 2.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 80 | <i>Melaleuca quinquenervia</i> | A2 | 2.9 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 81 | <i>Pyrus ussuriensis</i> | A1 | 3.5 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |

Report on trees at: 88 Newton Road Wetherill Park
Prepared for: Centuria Capital Ltd
Prepared by: Hugh Millington, hugh@hughtheArborist.com.au
Date prepared: 1st May 2024
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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|--------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 82 | <i>Platanus Spp.</i> | A1 | 2.6 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 83 | <i>Platanus Spp.</i> | A1 | 3.0 | 1.9 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 84 | <i>Pyrus ussuriensis</i> | A1 | 3.2 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 85 | <i>Melaleuca quinquenervia</i> | Z1 | 2.3 | 1.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 86 | <i>Corymbia citriodora</i> | A1 | 4.1 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 87 | <i>Fraxinus excelsior</i> | Z1 | 2.0 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 88 | <i>Fraxinus raywood</i> | Z1 | 2.0 | 1.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 89 | <i>Corymbia maculata</i> | AA1 | 7.0 | 2.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 90 | <i>Pyrus ussuriensis</i> | A1 | 2.4 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 91 | <i>Pyrus ussuriensis</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 92 | <i>Pyrus ussuriensis</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 93 | <i>Pyrus ussuriensis</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 94 | <i>Pyrus ussuriensis</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 95 | <i>Schinus molle</i> | A1 | 2.8 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 96 | <i>Schinus molle</i> | A1 | 2.8 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |

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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|---------------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 97 | <i>Schinus molle</i> | Z1 | 2.0 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 98 | <i>Schinus molle</i> | A1 | 2.4 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 99 | <i>Eucalyptus resinifera</i> | A1 | 2.0 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 100 | <i>Eucalyptus grandis</i> | A1 | 5.9 | 2.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 101 | <i>Pyrus ussuriensis</i> | A1 | 2.5 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 102 | <i>Pyrus ussuriensis</i> | A1 | 2.3 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 103 | <i>Pyrus ussuriensis</i> | A1 | 2.0 | 1.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 104 | <i>Pyrus ussuriensis</i> | A1 | 2.2 | 1.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 105 | <i>Fraxinus raywood</i> | A1 | 2.0 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 106 | <i>Eucalyptus tereticornis</i> | A1 | 4.6 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 107 | <i>Eucalyptus tereticornis</i> | A1 | 4.1 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 108 | <i>Eucalyptus tereticornis</i> | A1 | 15.3 | 3.9 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 109 | <i>Olea europaea subsp. cuspidata</i> | Z3 | 2.0 | 1.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |



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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|---------------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 110 | <i>Melaleuca linarifolia</i> | Z1 | 2.0 | 1.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 111 | <i>Melaleuca linarifolia</i> | A1 | 2.0 | 1.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 112 | <i>Melaleuca linarifolia</i> | A1 | 2.0 | 1.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 113 | <i>Melaleuca linarifolia</i> | A1 | 2.6 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 114 | <i>Olea europaea subsp. cuspidata</i> | Z3 | 2.3 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 115 | <i>Melaleuca styphelioides</i> | A1 | 2.8 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 116 | <i>Melaleuca linarifolia</i> | A1 | 3.6 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 117 | <i>Melaleuca styphelioides</i> | A1 | 2.4 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 118 | <i>Melaleuca styphelioides</i> | A1 | 4.8 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 119 | <i>Melaleuca styphelioides</i> | A1 | 3.0 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| G2 | <i>Ligustrum lucidum</i> | Z3 | 2.4 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |



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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|--------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 120 | <i>Melaleuca linarifolia</i> | A1 | 3.9 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 121 | <i>Eucalyptus tereticornis</i> | A2 | 5.0 | 2.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 122 | <i>Eucalyptus tereticornis</i> | A1 | 4.9 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 123 | <i>Eucalyptus tereticornis</i> | Z10 | 2.6 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 124 | <i>Eucalyptus tereticornis</i> | A2 | 4.7 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 125 | <i>Callistemon viminalis</i> | A1 | 2.5 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 126 | <i>Callistemon viminalis</i> | A2 | 2.4 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 127 | <i>Melaleuca linarifolia</i> | A1 | 4.1 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 128 | <i>Eucalyptus tereticornis</i> | A2 | 4.8 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 129 | <i>Melaleuca linarifolia</i> | A1 | 2.3 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 130 | <i>Melaleuca linarifolia</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 131 | <i>Melaleuca linarifolia</i> | A1 | 2.9 | 1.9 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |

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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|--------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 132 | <i>Eucalyptus tereticornis</i> | A1 | 5.0 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 133 | <i>Melaleuca linarifolia</i> | A1 | 2.4 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 134 | <i>Melaleuca linarifolia</i> | A1 | 2.8 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 135 | <i>Melaleuca linarifolia</i> | A1 | 3.0 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 136 | <i>Eucalyptus tereticornis</i> | A1 | 5.3 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 137 | <i>Melaleuca linarifolia</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 138 | <i>Melaleuca styphelioides</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 139 | <i>Melaleuca linarifolia</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 140 | <i>Melaleuca linarifolia</i> | A1 | 2.2 | 1.7 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 141 | <i>Eucalyptus tereticornis</i> | A1 | 6.0 | 2.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 142 | <i>Melaleuca styphelioides</i> | A1 | 3.5 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 143 | <i>Melaleuca styphelioides</i> | A1 | 3.5 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 144 | <i>Schinus molle</i> | A1 | 6.8 | 2.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 145 | <i>Eucalyptus paniculata</i> | A2 | 3.4 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 146 | <i>Eucalyptus paniculata</i> | A2 | 3.4 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |

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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|--------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 147 | <i>Eucalyptus paniculata</i> | A1 | 3.4 | 2.0 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 148 | <i>Eucalyptus tereticornis</i> | A2 | 4.5 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 149 | <i>Eucalyptus tereticornis</i> | A2 | 4.9 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 150 | <i>Eucalyptus tereticornis</i> | A1 | 4.4 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 151 | <i>Eucalyptus tereticornis</i> | Z10 | 2.9 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 152 | <i>Eucalyptus tereticornis</i> | A1 | 4.9 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 153 | <i>Eucalyptus tereticornis</i> | Z10 | 2.0 | 1.8 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 154 | <i>Eucalyptus tereticornis</i> | A1 | 6.0 | 2.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 155 | <i>Eucalyptus tereticornis</i> | A2 | 4.9 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 156 | <i>Eucalyptus tereticornis</i> | A2 | 3.9 | 2.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 157 | <i>Eucalyptus grandis</i> | Z4 | 3.0 | 1.9 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 158 | <i>Eucalyptus grandis</i> | Z4 | 4.8 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 159 | <i>Eucalyptus grandis</i> | Z10 | 4.9 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 160 | <i>Eucalyptus moluccana</i> | Z10 | 2.0 | 1.5 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |



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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|--------------------------------|-----------------|----------------|----------------|------------------|--|------------|
| 161 | <i>Eucalyptus tereticornis</i> | A1 | 4.8 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 162 | <i>Eucalyptus tereticornis</i> | A1 | 5.0 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 163 | <i>Eucalyptus tereticornis</i> | A1 | 4.1 | 2.6 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 164 | <i>Eucalyptus tereticornis</i> | A1 | 4.9 | 2.4 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 165 | <i>Eucalyptus tereticornis</i> | A1 | 4.8 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 166 | <i>Eucalyptus tereticornis</i> | Z4 | 3.6 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 167 | <i>Eucalyptus tereticornis</i> | A2 | 5.0 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 168 | <i>Eucalyptus tereticornis</i> | A1 | 4.7 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 169 | <i>Eucalyptus grandis</i> | Z10 | 4.2 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 170 | <i>Eucalyptus tereticornis</i> | A2 | 4.7 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 171 | <i>Eucalyptus grandis</i> | A1 | 4.0 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 172 | <i>Eucalyptus tereticornis</i> | A1 | 4.1 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 173 | <i>Eucalyptus tereticornis</i> | A1 | 4.8 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 174 | <i>Eucalyptus grandis</i> | A1 | 4.0 | 2.1 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |



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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|-----------------------------|-----------------|----------------|----------------|------------------|---|---------------------------------|
| 175 | <i>Eucalyptus grandis</i> | Z10 | 4.8 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 176 | <i>Eucalyptus grandis</i> | A1 | 4.4 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 177 | <i>Eucalyptus grandis</i> | A1 | 4.1 | 2.2 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 178 | <i>Corymbia maculata</i> | A2 | 4.5 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 179 | <i>Corymbia maculata</i> | A1 | 4.4 | 2.3 | Footprint | Tree located within the footprint of bulk earthworks and is not retainable under the proposal. | Remove |
| 180 | <i>Eucalyptus moluccana</i> | A1 | 2.6 | 1.8 | None | Tree located on adjoining land. No encroachment proposed. | Retain and protect |
| 181 | <i>Eucalyptus moluccana</i> | A1 | 3.5 | 2.0 | Major | Tree located on adjoining land. The tree has been identified as within a 6m wide Sydney Water drainage easement. The tree will be subject to up to 50% encroachment within the TPZ and the SRZ from proposed bulk earthworks which is likely to significantly affect the viability of the tree resulting in the trees removal. Trees on adjoining sites cannot be removed without the tree owner's permission and approval from the relevant Consent Authority. | Tree on adjoining site impacted |
| 182 | <i>Eucalyptus moluccana</i> | A1 | 2.6 | 2.0 | None | Tree located on adjoining land. No encroachment proposed. | Retain and protect |
| 183 | <i>Erythrina x sykesii</i> | Z3 | 4.3 | 2.5 | Major | Tree located on adjoining land. The tree has been identified as within a 6m wide Sydney Water drainage easement. The tree will be subject to up to 50% encroachment within the TPZ and the SRZ from proposed bulk earthworks which is likely to significantly affect the viability of the tree resulting in the trees removal. Trees on adjoining sites cannot be removed without the | Tree on adjoining site impacted |



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| Tree ID | Botanical Name | Retention Value | TPZ radius (m) | SRZ Radius (m) | TPZ Encroachment | Discussion | Conclusion |
|---------|----------------|-----------------|----------------|----------------|------------------|---|------------|
| | | | | | | tree owner's permission and approval from the relevant Consent Authority. | |

8. CONCLUSIONS

8.1 **Table 3:** Summary of the impact to trees during the development. Refer to Appendix A and section 7 of this report for further detail.

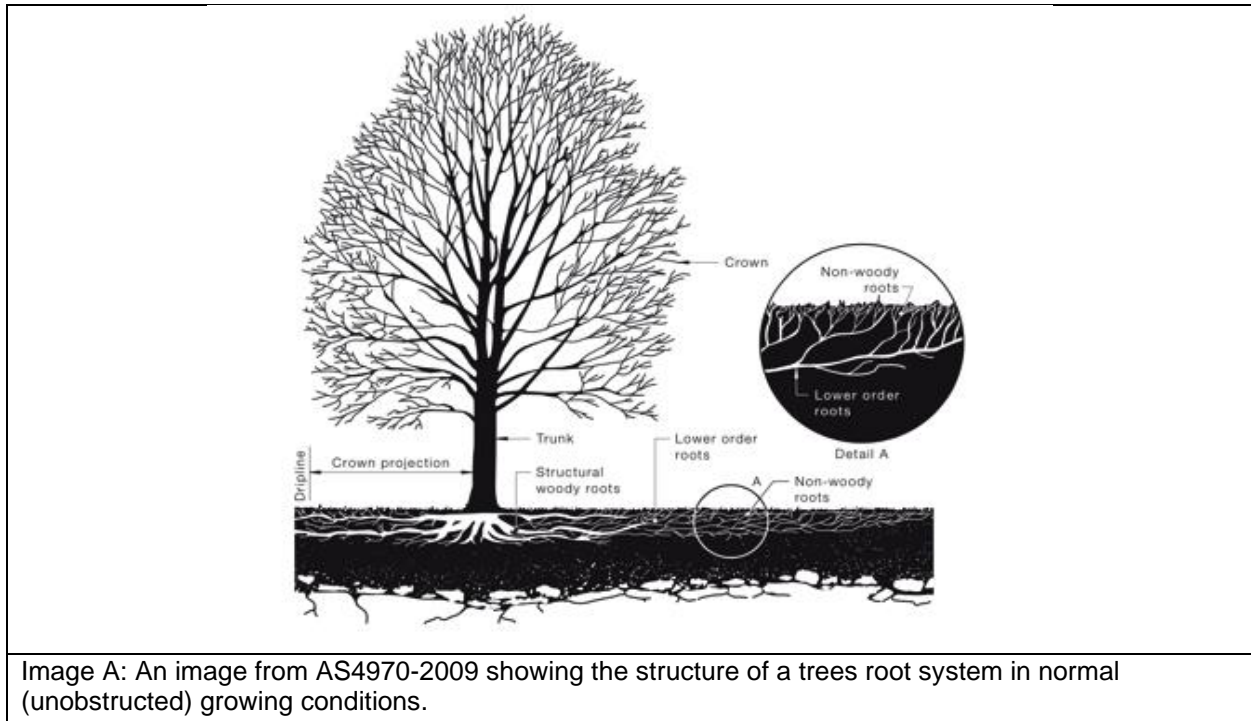
| Reason/ Description | Tree ID Number | Total |
|---|---|-----------------------------|
| Category A trees to be removed due to site grading, new surfacing and/or proximity to proposed structures | 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 31, 33, 34, 35, 36, 37, 38, 39, 41, 42, 43, 46, 48, 49, 50, 52, 54, 55, 56, 57, 58, 59, G1, 61, 62, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 86, 89, 90, 91, 92, 93, 94, 95, 96, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 111, 112, 113, 115, 116, 117, 118, 119, 120, 121, 122, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 152, 154, 155, 156, 161, 162, 163, 164, 165, 167, 168, 170, 171, 172, 173, 174, 176, 177, 178, 179 | 149 Plus 1 Group |
| Category Z trees to be removed due to site grading, new surfacing and/or proximity to proposed structures or trees in poor condition. | 9, 19, 30, 32, 40, 44, 45, 47, 51, 53, 60, 63, 64, 85, 87, 88, 97, 109, 110, 114, G2, 123, 151, 153, 157, 158, 159, 160, 166, 169, 175 | 30 and 1 Group |
| Category A trees that may be retained that will not be significantly impacted by the development works | 180, 182 | 2 |
| Category Z trees that may be retained that will not be significantly impacted by the development works | None | 0 |
| Trees on adjoining land that will be significantly impacted by the development works resulting in tree removal | 181, 183 | 2 |

9. RECOMMENDATIONS

- 9.1 This report assesses the impact of a proposed development at the site on one hundred and eighty three (183) individual trees and two groups of trees located on and adjoining the site in accordance with AS4970 Protection of trees on development sites (2009).
- 9.2 A total of one hundred and seventy nine (179) trees and two groups of trees will require removing to facilitate the proposal. Of these, 149 and Group 1 are category A trees and 30 and Group 2 are category Z trees.
- 9.3 Two trees (T181 and T183) are located on an adjoining site and will be significantly impacted by the proposed works. The trees will both require removing as a result of the associated works. Trees on adjoining sites cannot be removed without the tree owner's permission and approval from the relevant Consent Authority.
- 9.4 Two trees (180 and 182) also located on adjoining land can be retained in a viable condition under the proposed works.
- 9.5 As a result of the required bulk earthworks throughout the site it is not considered possible to retain any existing trees. However, the tree removal should be offset with suitably sized replacement plantings as detailed in the accompanying Landscape Plans and Statement of Environmental Effects (SEE).
- 9.6 The following statement was made by Costin Roe Consulting regarding the proposed earthworks and confirming the point above. *'The proposed development requires cut to fill earthworks including excavations, placement of engineered fill, batter and retaining wall construction. Noting the building is sited generally below the existing street level there will be extensive batter and excavation works along the street frontage where the majority of existing trees are located. Further, noting the application is for a large industrial building there will be extensive foundation and footing constructions associated with the building construction. The works will necessitate the removal and revegetation of the landscape setback zones, within the site and around the boundaries of the property.'*
- 9.7 Refer to the concept Bulk Earthworks plan referenced in Table 1. The following information explains how bulk earthworks impacts trees in the event it is required to be avoided or reduced.
- 9.8 **Bulk Earthworks - Soil Level Modifications (Cut and Fill):**

Cut: A trees root system is generally located far shallower in the soil than is normally considered and should be thought of as a 'root plate'. The majority of a trees root growth is usually found in the upper 600mm of the soil closest to the surface, but a percentage of the roots will extend deeper in the soil. An image has been included below that is taken from AS4970-2009 which provides an example of the structure of a trees root system. Any significant cut/lowering the soil level in the TPZ can impact

the tree. The only way to identify the precise impact to a trees root system by cut in the TPZ is by carrying out detailed root investigation to identify the individual significant roots. No detailed root investigations have been undertaken as part of the assessment.



Fill: tree roots require air, water and nutrients to function properly. Increasing the soil level in the TPZ can impact the trees by reducing the availability of water, nutrients and air to the trees underlying root system and can cause the decline of a trees health and vigour. Placing fill directly against the trunk of a tree can potentially cause collar rot. Collar rot forms when soil against the trunk of the tree accelerates sapwood or heartwood decay.⁸

Tree Sensitive Fill in the TPZ: Fill material of less than 0.2 metres will not significantly impact trees. Where fill material of more than 0.2 metres is proposed in the TPZ, a structural/gap graded soil should be used that allows filtration of water, nutrients and gaseous exchange to the trees underlying root system. A suitable soil should consist of a mixing ratio of 80% angular size aggregate (crushed stone or coarse sand) and 20% filler soil by volume (clay loam). The aggregate size part should range from 1.5-2.5cm. The filler soil should contain 2-5% organic matter by

⁸ Dunster, Julian A., Thomas Smiley, Nelda Matheny, and Sharon Lilly, *Tree Risk Assessment Manual*, Champaign, Illinois: International Society of Arboriculture (2013), page 108.

dry weight. A soil specialist will be able to provide additional information in relation to soil specifications.

- 9.9 **Retaining Walls to Limit Cut and Fill in the TPZ:** The image below is an example of how a retaining wall can limit fill within the TPZ.

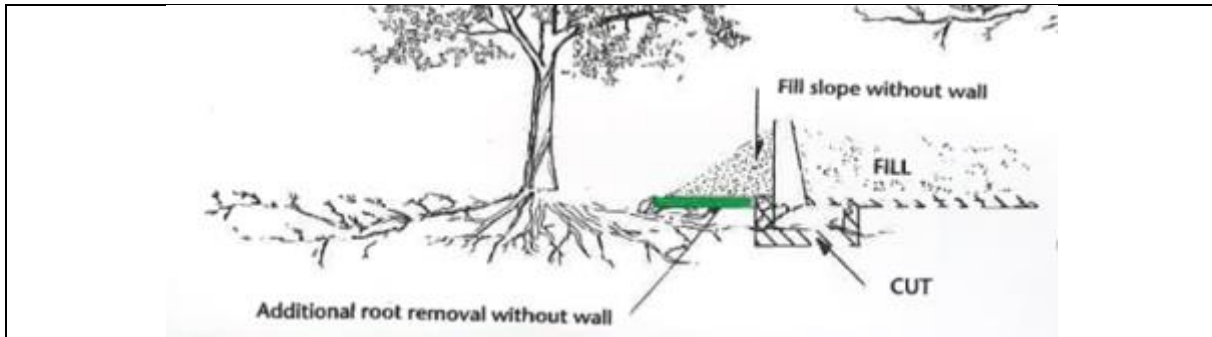


Image B: An image from A technical guide to preservation of trees during land development ,⁹ showing how retaining walls can be used to limit fill inside the TPZ.

- 9.10 **Tree Sensitive Retaining Walls:** To reduce the impact of the retaining walls, timber sleeper retaining walls should be used to avoid severing/pruning significant roots in the TPZ (no continuous strip footing). During the construction of the retaining walls, all sleepers should be located on or above existing soil grades, and piers/posts locations should be flexible to avoid significant roots (roots greater than 40mm in diameter) that are critical to the health and stability of the tree. The project Arborist should directly supervise the construction of retaining walls and no roots greater than 40mm in diameter should be pruned/severed unless assessed and approved in writing by the project Arborist
- 9.11 All construction activity is recommended to comply with Australian Standard AS4970 Protection of Trees on Development Sites (2009), sections 7, 10 and 11 of this report.
- 9.12 This report does not provide approval for tree removal or pruning works. All recommendations in this report are subject to approval by the relevant authorities and/or tree owners.

⁹ Matheny, N. & Clark, J. R, *A technical guide to preservation of trees during land development*, International Society of Arboriculture, P.O Box 3029, Champaign, IL, USA (1998), page 98.

10. ARBORICULTURAL WORK METHOD STATEMENT (AMS) AND TREE PROTECTION REQUIREMENTS

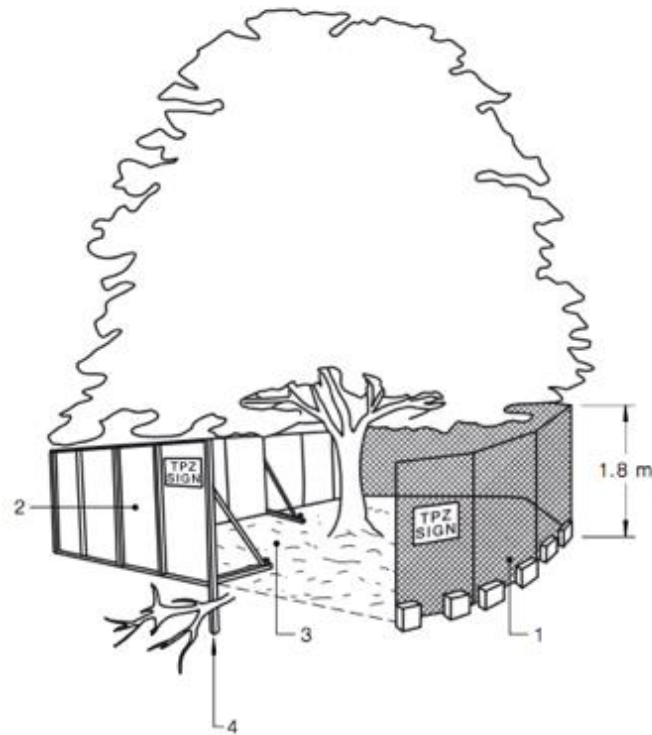
- 10.1 **Use of this report:** All contractors must be made aware of the tree protection requirements prior to commencing works at the site and be provided a copy of this report.
- 10.2 **Project Arborist:** Prior to any works commencing at the site a project Arborist should be appointed. The project Arborist should be qualified to a minimum AQF level 5 and/or equivalent qualifications and experience, and should assist with any development issues relating to trees that may arise. If at any time it is not feasible to carryout works in accordance with this, an alternative must be agreed in writing with the project Arborist.
- 10.3 **Tree work:** All tree work must be carried out by a qualified and experienced Arborist with a minimum of AQF level 3 in arboriculture, in accordance with NSW Work Cover Code of Practice for the Amenity Tree Industry (1998) and AS4373 Pruning of amenity trees (2007).
- 10.4 **Initial site meeting/on-going regular inspections:** The project Arborist is to hold a pre-construction site meeting with principle contractor to discuss methods and importance of tree protection measures and resolve any issues in relation to tree protection that may arise. In accordance with AS4970-2009, the project Arborist should carryout regular site inspections to ensure works are carried out in accordance with this document throughout the development process. I recommend regular site inspections on a frequency based on the longevity of the project, this is to be agreed in the initial meeting.

10.5 Table 4 Site Specific Tree Protection Recommendations:

| Tree Number | Protection specification |
|---------------|---|
| T180 and T182 | - Site fencing will sufficiently isolate the trees. |

- 10.6 **Tree protection Specifications:** It is the responsibility of the principle contractor to install tree protection prior to works commencing at the site (prior to demolition works) and to ensure that the tree protection remains in adequate condition for the duration of the development. The tree protection must not be moved without prior agreement of the project Arborist. The project Arborist must inspect that the tree protection has been installed in accordance with this document and AS4970-2009 prior to works commencing.

- 10.7 **Protective fencing:** Where it is not feasible to install fencing at the specified location due to factors such as restricting access to areas of the site or for constructing new structures, an alternative location and protection specification must be agreed with the project Arborist. Where the installation of fencing is unfeasible due to restrictions on space, trunk and branch protection will be required (see below). The protective fencing must be constructed of 1.8 metre 'cyclone chainmesh fence'. The fencing must only be removed for the landscaping phase and must be authorised by the project Arborist. Any modifications to the fencing locations must be approved by the project Arborist.
- 10.8 **TPZ signage:** Tree protection signage is to be attached to the protective fencing, displayed in a prominent position and the sign repeated at 10 metres intervals or closer where the fence changes direction. Each sign shall contain in a clearly legible form, the following information:
- Tree protection zone/No access.
 - This fence has been installed to prevent damage to the tree/s and their growing environment both above and below ground. Do not move fencing or enter TPZ without the agreement of the project Arborist.
 - The name, address, and telephone number of the developer/builder and project Arborist
- 10.9 **Trunk and Branch Protection:** The trunk must be protected by wrapped hessian or similar material to limit damage. Timber planks (50mm x 100mm or similar) should then be placed around tree trunk. The timber planks should be spaced at 100mm intervals, and must be fixed against the trunk with tie wire, or strapping and connections finished or covered to protect pedestrians from injury. The hessian and timber planks must not be fixed to the tree in any instance. The trunk and branch protection shall be installed prior to any work commencing on site and shall be maintained in good condition for the entire development period.
- 10.10 **Mulch:** Any areas of the TPZ located inside the subject site (only trees to be retained directly adjacent to site works must be mulched to a depth of 75mm with good quality composted wood chip/leaf mulch.
- 10.11 **Ground Protection:** Ground protection is required to protect the underlying soil structure and root system in areas where it is not practical to restrict access to whole TPZ, while allowing space for construction. Ground protection must consist of good quality composted wood chip/leaf mulch to a depth of between 150-300mm, laid on top of geo textile fabric. If vehicles are to be using the area, additional protection will be required such as rumble boards or track mats to spread the weight of the vehicle and avoid load points. Ground protection is to be specified by the project Arborist as required.

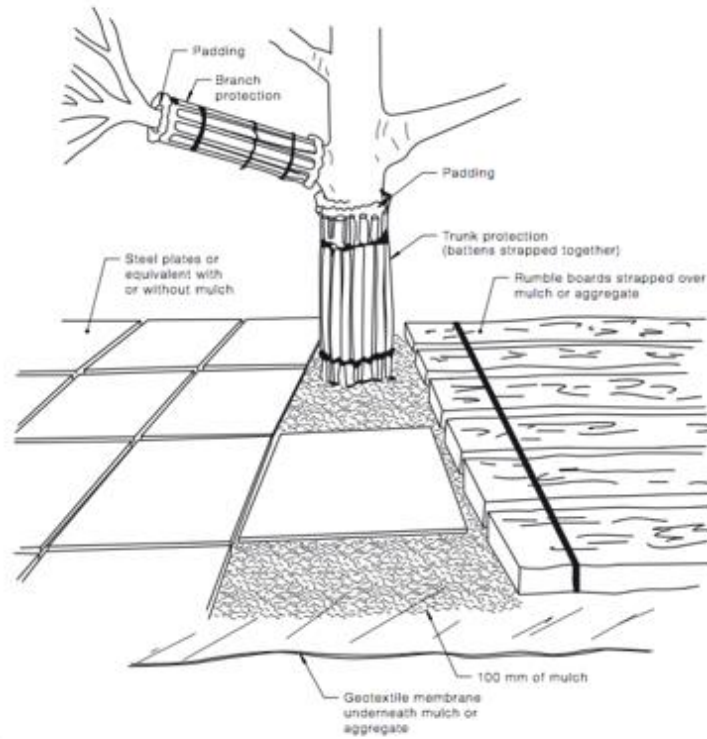


LEGEND:

- 1 Chain wire mesh panels with shade cloth (if required) attached, 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 the discretion of the project arborist). No excavation, construction activity, grade changes, surface treatment or storage of materials of any kind is permitted within the TPZ.
- 4 Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots.

An image from AS4970-2009,¹⁰ with example tree protection.

¹⁰ Council of Standards Australia, *AS4970 Protection of trees on development sites* (2009), page 16.



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.

An image from AS4970-2009,¹¹ with example tree protection.

¹¹ Council of Standards Australia, *AS4970 Protection of trees on development sites* (2009), page 17.

- 10.12 **Root investigations:** Where major TPZ encroachments require demonstrating the viability of trees the following method for root investigations is to be used. Non-destructive excavations are to be carried out along the outer edge of proposed or existing structures within the TPZ (excavation methods include the use of pneumatic and hydraulic tools, high-pressure air or a combination of high-pressure water and a vacuum device). Excavations generally consist of a trench to a depth dictated by the location of significant roots, bedrock, unfavourable conditions for root growth, or the required depth for footings up to 1 metre. The investigation is to be carried out by AQF5 consulting Arborist who is to record all roots greater than 30 millimetres in diameter and produce a report discussing the significance of the findings. No roots 30 millimetres in diameter are to be frayed or damaged during excavation and the trench is to be backfilled as soon as possible to reduce the risk of roots drying out. In the event roots must be left exposed they are to be wrapped in hessian sack and regularly irrigated for the duration of exposure.
- 10.13 **Restricted activities inside TPZ:** The following activities must be avoided inside the TPZ of all trees to be retained unless approved by the project Arborist. If at any time these activities cannot be avoided an alternative must be agreed in writing with the project Arborist to minimise the impact to the tree.
- A) Machine excavation.
 - B) Ripping or cultivation of soil.
 - C) Storage of spoil, soil or any such materials
 - D) Preparation of chemicals, including preparation of cement products.
 - E) Refueling.
 - F) Dumping of waste.
 - G) Wash down and cleaning of equipment.
 - H) Placement of fill.
 - I) Lighting of fires.
 - J) Soil level changes.
 - K) Any physical damage to the crown, trunk, or root system.
 - L) Parking of vehicles.
- 10.14 **Demolition:** The demolition of all existing structures inside or directly adjacent to the TPZ of trees to be retained must be undertaken in consultation with the project Arborist. Any machinery is to work from inside the footprint of the existing structures or outside the TPZ, reaching in to minimise soil disturbance and compaction. If it is not feasible to locate demolition machinery outside the TPZ of trees to be retained, ground protection will be required. The demolition should be undertaken inwards into the footprint of the existing structures, sometimes referred to as the 'top down, pull back' method.

- 10.15 **Excavations and root pruning:** The project Arborist must supervise and certify that all excavations and root pruning are in accordance with AS4373-2007 and AS4970-2009. For excavations within the TPZ, manual excavation is required along the edge of the structures closest to the subject trees. Manual excavation should be a depth of 1 metre (or to unfavourable root growth conditions such as bed rock or heavy clay, if agreed by project Arborist). Next roots must be pruned back in accordance with AS4373-2007. After all root pruning is completed, machine excavation is permitted within the footprint of the structure. For tree sensitive footings, such as pier and beam, all excavations inside the TPZ must be manual. Manual excavation may include the use of pneumatic and hydraulic tools, high-pressure air or a combination of high-pressure water and a vacuum device. No pruning of roots greater 30mm in diameter is to be carried out without approval of the project arborist. All pruning of roots greater than 10mm in diameter must be carried out by a qualified Arborist/Horticulturalist with a minimum AQF level 3. Root pruning is to be a clean cut with a sharp tool in accordance with AS4373 Pruning of amenity trees (2007).¹² The tree root is to be pruned back to a branch root if possible. Make a clean cut and leave as small a wound as possible.
- 10.16 **Landscaping:** All landscaping works within the TPZ of trees to be retained are to be undertaken in consultation with a consulting Arborist to minimize the impact to trees. General guidance is provided below to minimise the impact of new landscaping to trees to be retained.
- New footpaths** and hard surfaces should be minimised, as they can limit the availability of water, nutrients and air to the trees root system. Where they are proposed, they should be constructed on or above existing soil grades to minimise root disturbance and consider using a permeable surface. Footpath should be located outside the SRZ.
- The location of new plantings** inside the TPZ of trees to be retained should be flexible to avoid unnecessary damage to tree roots greater than 30mm in diameter.
- Sediment and Contamination:** All contamination run off from the development such as but not limited to concrete, sediment and toxic wastes must be prevented from entering the TPZ at all times.
- 10.17 **Tree Wounding/Injury:** Any wounding or injury that occurs to a tree during the construction process will require the project Arborist to be contacted for an assessment of the injury and provide mitigation/remediation advice. It is generally accepted that trees may take many years to decline and eventually die from root damage. All repair work is to be carried out by the project Arborist, at the contractor's expense.

¹² Council Of Standards Australia, AS 4373 *Pruning of amenity trees* (2007) page 18

- 10.18 **Completion of Development Works:** After all construction works are complete the project Arborist should assess that the subject trees have been retained in the same condition and vigour. If changes to condition are identified the project Arborist should provide recommendations for remediation.

11. HOLD POINTS

- 11.1 **Hold Points:** Below is a sequence of hold points requiring project Arborist certification throughout the development process. It provides a list of hold points that must be checked and certified. All certification must be provided in written format upon completion of the development. The final certification must include details of any instructions for remediation undertaken during the development.

| Hold Point | Stage | Responsibility | Certification | Complete Y/N and date |
|--|---------------------------------------|----------------------|------------------|-----------------------|
| Project Arborist to hold pre construction site meeting with principal contractor to discuss methods and importance of tree protection measures and resolve any issues in relation to feasibility of tree protection requirements that may arise. | Prior to work commencing. | Principle contractor | Project Arborist | |
| Project Arborist To supervise all pruning works to retained trees. | Prior to works commencing | Principal Contractor | Project Arborist | |
| Project Arborist to assess and certify that tree protection has been installed in accordance with section 11 and AS4970-2009 prior to works commencing at site. | Prior to development work commencing. | Principle contractor | Project Arborist | |
| In accordance with AS4970-2009 the project arborist should carry out regular site inspections to ensure works are carried out in accordance with the recommendations. I recommend site inspections on a monthly frequency. | Ongoing throughout the development | Principle contractor | Project Arborist | |
| Project Arborist to supervise all manual excavations and demolition inside the TPZ of any tree to be retained. | Construction | Principle contractor | Project Arborist | |

| Hold Point | Stage | Responsibility | Certification | Complete Y/N and date |
|--|------------------------------------|----------------------|------------------|-----------------------|
| Project Arborist to certify that all pruning of roots greater than 40mm in diameter has been carried out in accordance with AS4373-2007. All root pruning must be carried out by a qualified Arborist/Horticulturalist with a minimum AQF level 3. | Construction | Principle contractor | Project Arborist | |
| Project Arborist to certify that all underground services including storm water inside TPZ of any tree to be retained have been installed in accordance with AS4970-2009. | Construction | Principle contractor | Project Arborist | |
| All landscaping works within the TPZ of trees to be retained are to be undertaken in consultation with the project Arborist to minimize the impact to trees. | Landscape | Principle contractor | Project Arborist | |
| After all construction works are complete the project Arborist should assess that the subject trees have been retained in the same condition and vigor and authorize the removal of protective fencing. If changes to condition are identified the project Arborist should provide recommendations for remediation. | Upon completion of construction | Principle contractor | Project Arborist | |
| Any wounding or injury that occurs to a tree during the demolition/construction process will require the project arborist to be contacted for an assessment of the injury and provide mitigation/remediation advice. All remediation work is to be carried out by the project arborist, at the contractor's expense. | Ongoing throughout the development | Principle contractor | Project Arborist | |

12. BIBLIOGRAPHY/REFERENCES

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13. LIST OF APPENDICES

The following are included in the appendices that have been provided as separate documents to this report:

- Appendix 1 – Existing Site Plan
- Appendix 1A – Proposed Bulk Earthworks Plan Sheet 1
- Appendix 1B – Proposed Bulk Earthworks Plan Sheet 2
- Appendix 3 – Health
- Appendix 4 – Amenity Value
- Appendix 5 – Age Class
- Appendix 6 – Structural Condition
- Appendix 7 – SULE Categories
- Appendix 8 – Retention Values
- Appendix 9 – Trees AZ
- Appendix 10 – TPZ Encroachment

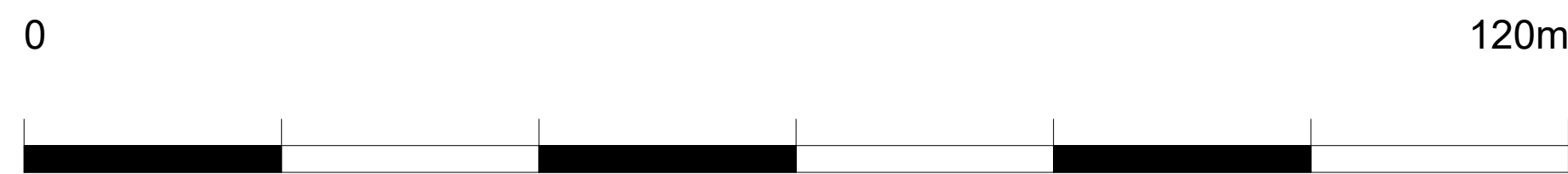
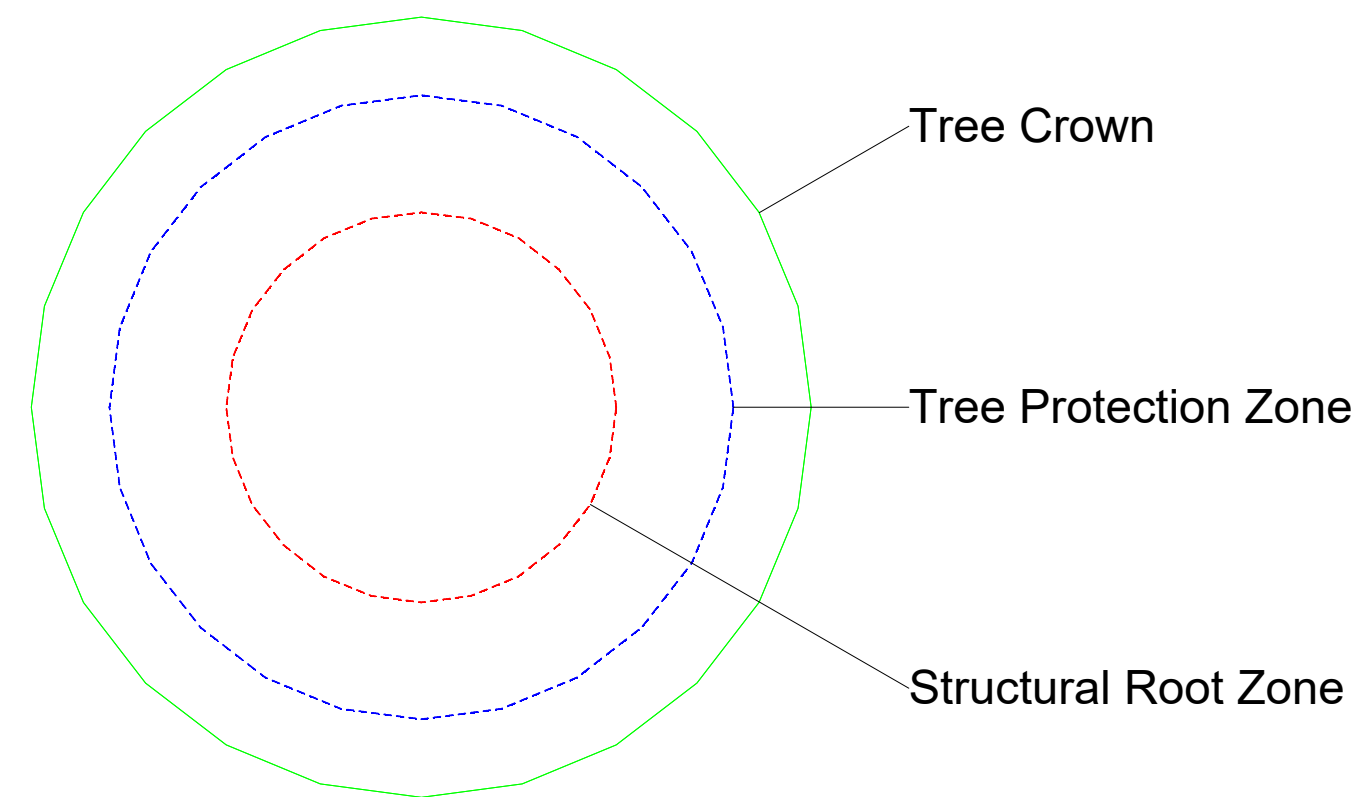
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88 Newton Road Wetherill Pk NSW

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Prepared By Hugh The Arborist

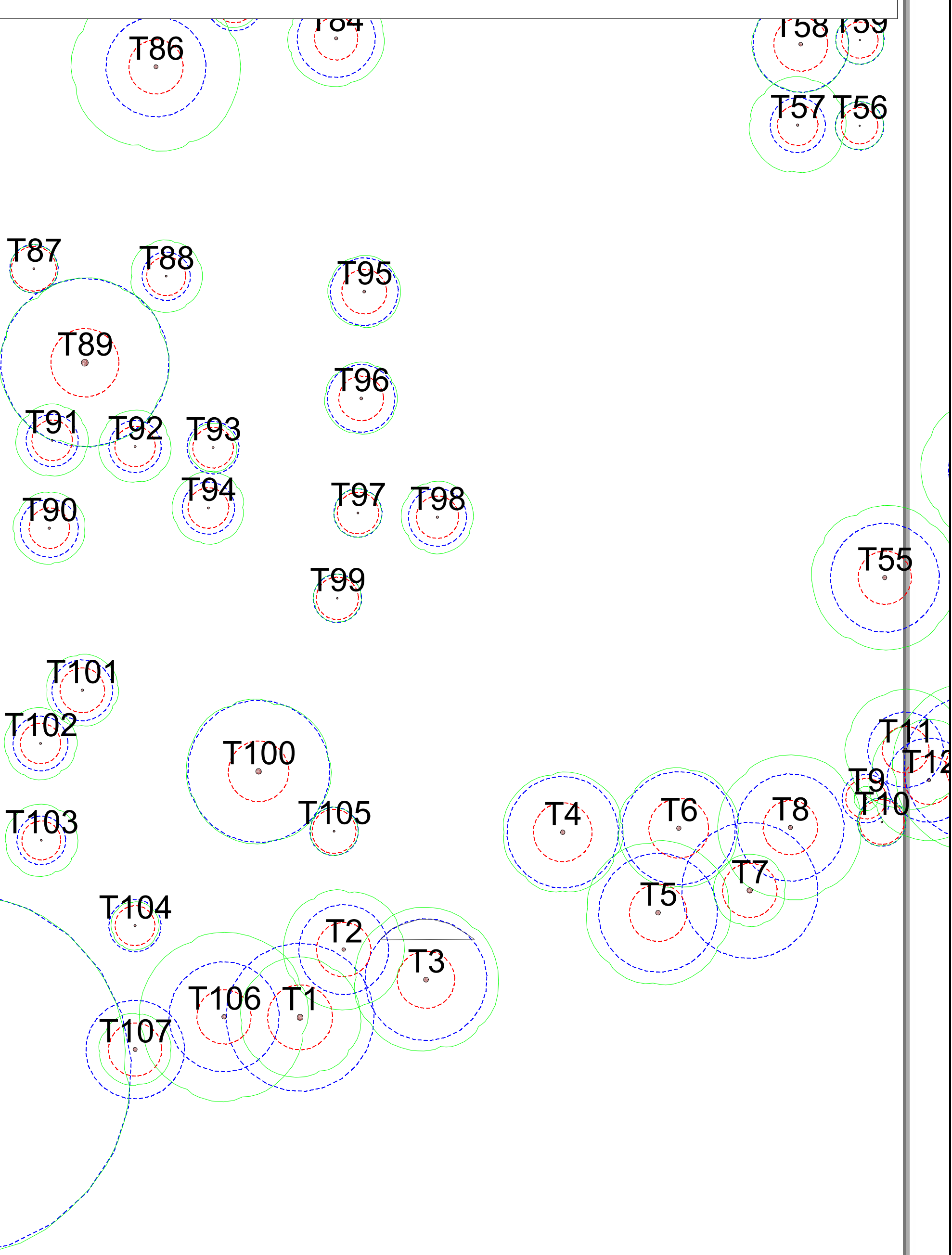
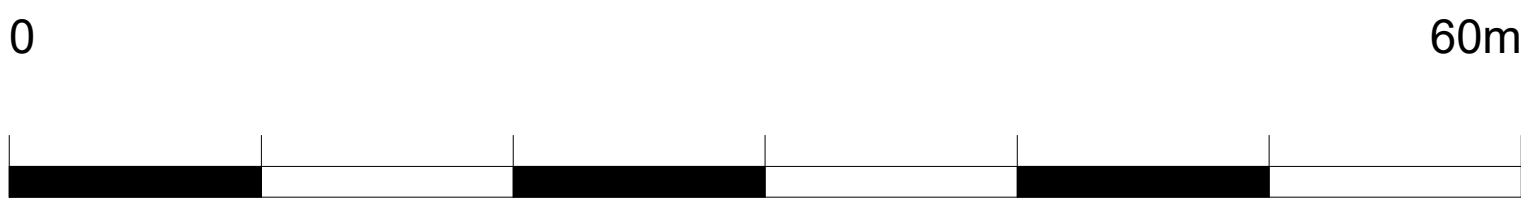
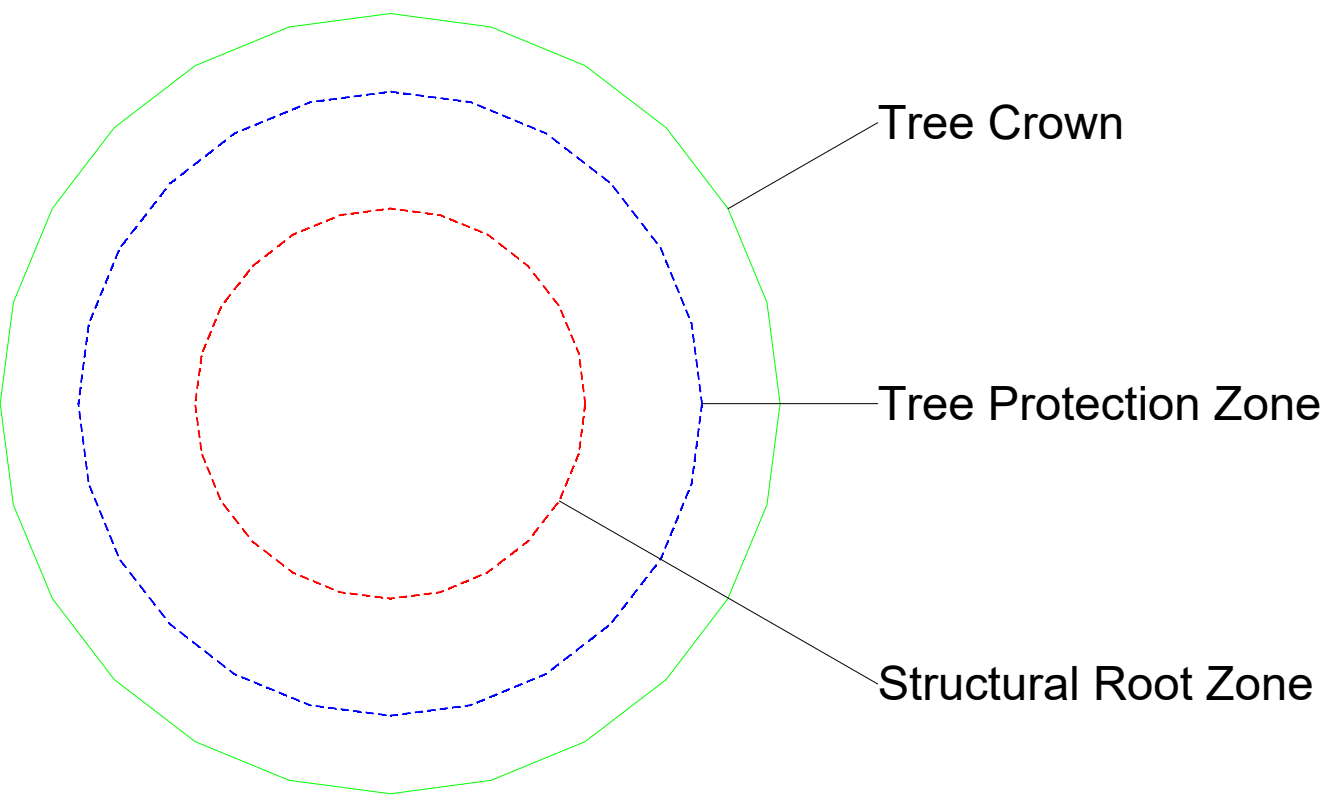
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88 Newton Road Wetherill Park

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| Appendix 1A - Bulk Earthworks Plan Sheet 1 | |

Prepared By Hugh The Arborist



Hugh The Arborist Pty Ltd

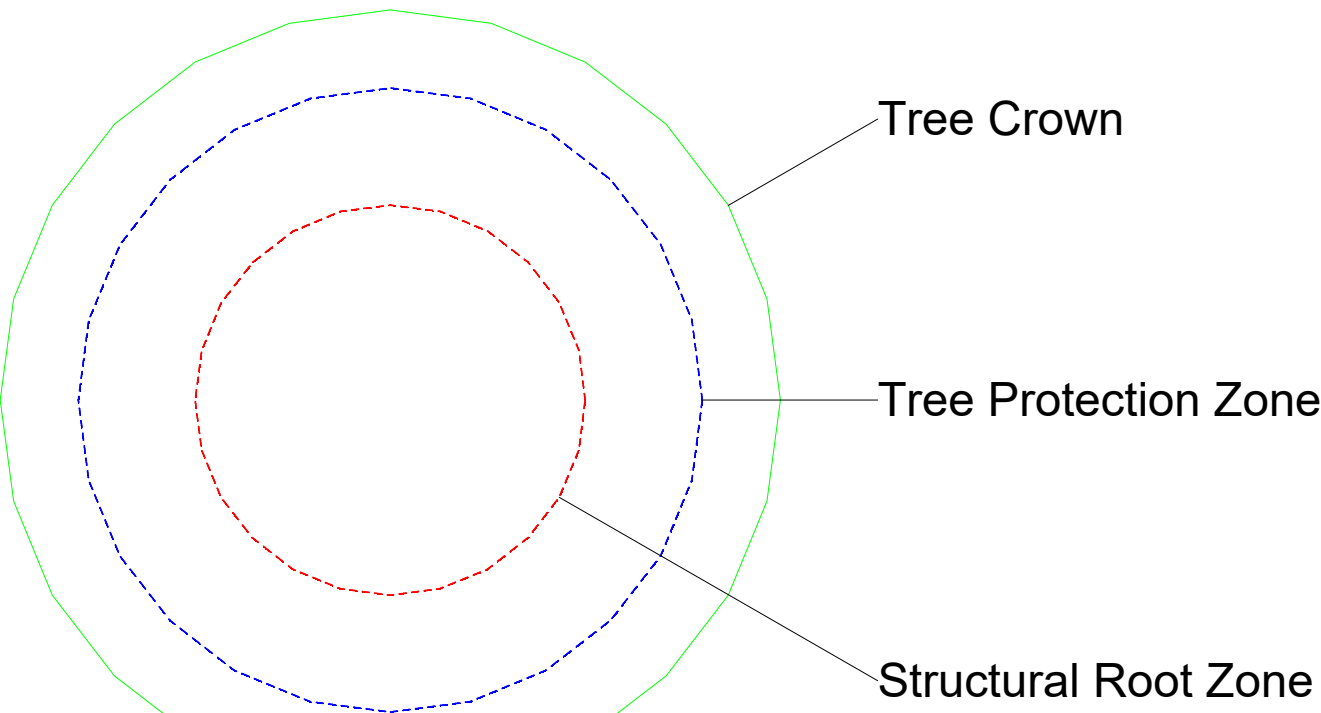
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SCALE : 1 : 300 @ A0 DATE : 2/05/2024

MAP FILENAME : Appendix 1B - Bulk Earthworks Plan Sheet 2

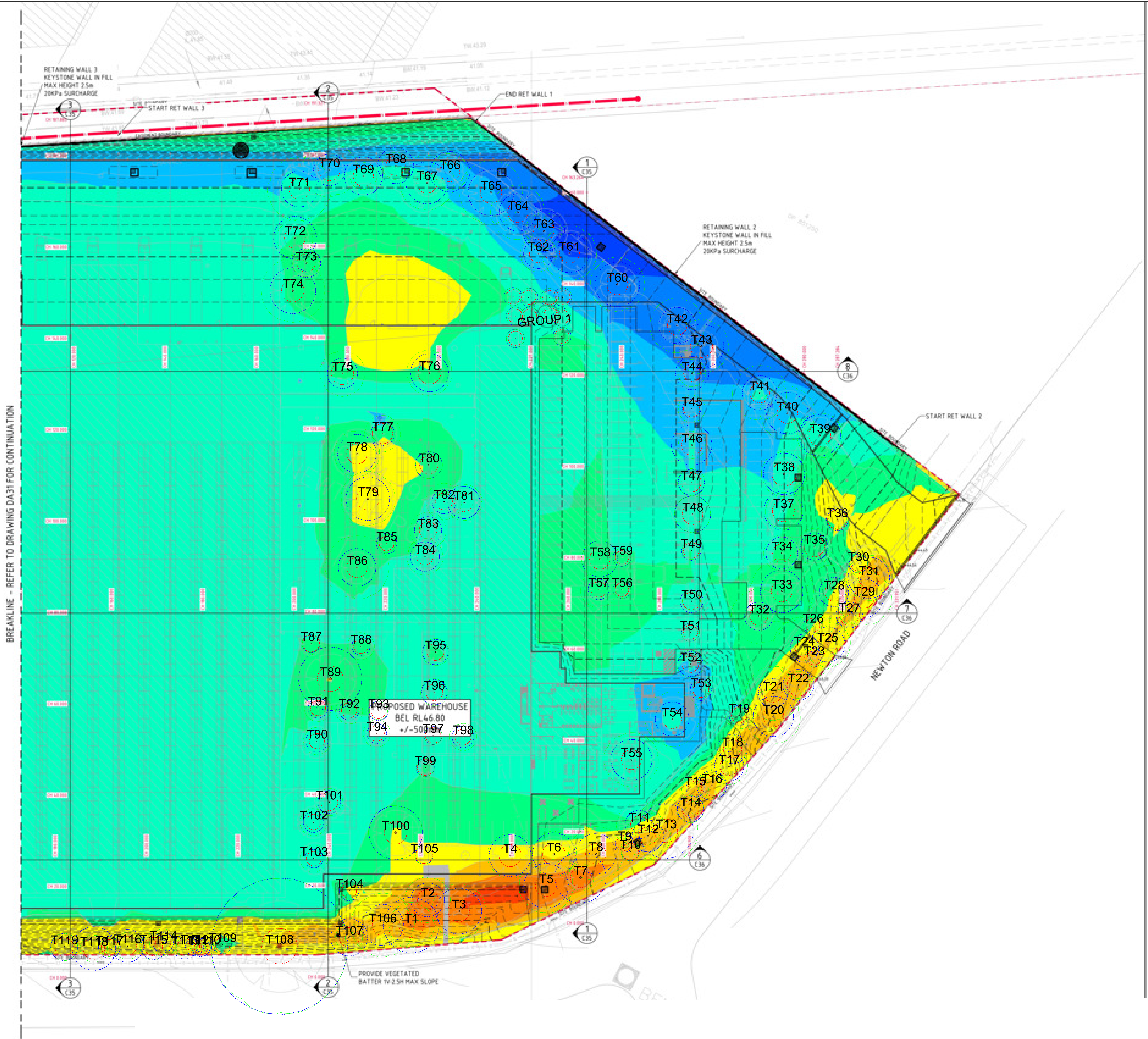
Prepared By Hugh The Arborist



| ALLOWANCES FOR STRUCTURE | |
|--------------------------|---------------------|
| | DEPTH OF PROTECTION |
| INTERNAL WAREHOUSE | 1000mm |
| OFFICE | 1000mm |
| EXTERNAL WAREHOUSE | 1000mm |
| CAR PARK | 1000mm |
| LANDSCAPING | 1000mm |
| PEDESTRIAN | 1000mm |

- T143
- T142
- T141
- T140
- T139
- T138
- T137
- T136
- T135
- T134
- T133
- T132
- T131
- T130
- T129
- T128
- T127
- T126
- T125
- T124
- T123
- T122
- T121
- T120

GROUP 2



Appendix 2 - Tree Inspection Schedule

| Tree ID | Common Name | Botanical Name | Age Class | Height (m) | Canopy Spread Radius (m) | Stem 1 (mm) | Stem 2 (mm) | Stem 3 | Stem 4 | Stem 5 | Stem 6 | DBH (mm) | DAB (mm) | Health | Structure | Landscape Value | SULE | Trees AZ Value | TPZ Radius (m) | SRZ Radius (m) | Notes |
|---------|---------------------|--------------------------------|-------------|------------|--------------------------|-------------|-------------|--------|--------|--------|--------|----------|----------|--------|-----------|-----------------|-----------|----------------|----------------|----------------|-----------------------------|
| 1 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 11 | 5 | 510 | | | | | | 510 | 608 | Fair | Good | Moderate | 2. Medium | A2 | 6.1 | 2.7 | |
| 2 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 8 | 5 | 310 | | | | | | 310 | 400 | Fair | Good | Moderate | 2. Medium | A2 | 3.7 | 2.3 | |
| 3 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 15 | 6 | 420 | | | | | | 420 | 450 | Good | Good | High | 1. Long | A1 | 5.0 | 2.4 | |
| 4 | Peppercorn Tree | <i>Schinus molle</i> | Mature | 7 | 5 | 260 | 210 | 190 | | | | 384 | 480 | Good | Good | Moderate | 1. Long | A1 | 4.6 | 2.4 | |
| 5 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 11 | 6 | 410 | | | | | | 410 | 450 | Fair | Good | Moderate | 2. Medium | A2 | 4.9 | 2.4 | |
| 6 | Peppercorn Tree | <i>Schinus molle</i> | Mature | 8 | 5 | 390 | | | | | | 390 | 500 | Good | Good | Moderate | 1. Long | A1 | 4.7 | 2.5 | |
| 7 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Young | 8 | 3 | 180 | 180 | 50 | 50 | 50 | | 269 | 400 | Good | Fair | Moderate | 2. Medium | A2 | 3.2 | 2.3 | |
| 8 | Sydney Blue Gum | <i>Eucalyptus saligna</i> | Semi-mature | 9 | 6 | 370 | | | | | | 370 | 400 | Good | Good | High | 1. Long | A1 | 4.4 | 2.3 | |
| 9 | Grey Box | <i>Eucalyptus moluccana</i> | Young | 5 | 1 | 80 | 80 | 80 | 50 | 50 | | 156 | 200 | Good | Fair | Low | 2. Medium | Z1 | 2.0 | 1.7 | |
| 10 | Grey Box | <i>Eucalyptus moluccana</i> | Young | 5 | 2 | 80 | 80 | 50 | 50 | 50 | | 142 | 350 | Good | Fair | Moderate | 2. Medium | A2 | 2.0 | 2.1 | |
| 11 | Sydney Blue Gum | <i>Eucalyptus saligna</i> | Semi-mature | 9 | 5 | 260 | | | | | | 260 | 280 | Good | Good | High | 1. Long | A1 | 3.1 | 1.9 | |
| 12 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 5 | 290 | | | | | | 290 | 310 | Good | Good | High | 1. Long | A1 | 3.5 | 2.0 | |
| 13 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 10 | 7 | 501 | | | | | | 501 | 550 | Good | Good | High | 1. Long | A1 | 6.0 | 2.6 | |
| 14 | Grey Box | <i>Eucalyptus moluccana</i> | Young | 7 | 3 | 190 | 150 | | | | | 242 | 350 | Good | Good | High | 1. Long | A1 | 2.9 | 2.1 | |
| 15 | Grey Box | <i>Eucalyptus moluccana</i> | Young | 6 | 3 | 120 | | | | | | 120 | 130 | Fair | Good | Moderate | 2. Medium | A2 | 2.0 | 1.5 | |
| 16 | Grey Box | <i>Eucalyptus moluccana</i> | Young | 8 | 3 | 160 | 170 | 100 | 100 | | | 273 | 410 | Good | Good | High | 1. Long | A1 | 3.3 | 2.3 | |
| 17 | Grey Box | <i>Eucalyptus moluccana</i> | Semi-mature | 9 | 4 | 270 | | | | | | 270 | 300 | Good | Good | High | 1. Long | A1 | 3.2 | 2.0 | |
| 18 | Grey Box | <i>Eucalyptus moluccana</i> | Semi-mature | 9 | 3 | 170 | 170 | 90 | 90 | | | 272 | 300 | Good | Good | High | 1. Long | A1 | 3.3 | 2.0 | |
| 19 | Red Mahogany | <i>Eucalyptus resinifera</i> | Semi-mature | 9 | 3 | 185 | | | | | | 185 | 200 | Poor | Fair | Low | 3. Short | Z4 | 2.2 | 1.7 | |
| 20 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 12 | 6 | 370 | | | | | | 370 | 410 | Good | Good | High | 1. Long | A1 | 4.4 | 2.3 | |
| 21 | Red Mahogany | <i>Eucalyptus resinifera</i> | Semi-mature | 9 | 6 | 270 | | | | | | 270 | 310 | Good | Good | High | 1. Long | A1 | 3.2 | 2.0 | |
| 22 | Grey Box | <i>Eucalyptus moluccana</i> | Young | 9 | 3 | 170 | 190 | 80 | 80 | 50 | | 283 | 480 | Good | Fair | Moderate | 2. Medium | A2 | 3.4 | 2.4 | |
| 23 | Grey Box | <i>Eucalyptus moluccana</i> | Young | 7 | 2 | 120 | | | | | | 120 | 170 | Good | Good | High | 1. Long | A1 | 2.0 | 1.6 | |
| 24 | Flooded Gum | <i>Eucalyptus grandis</i> | Young | 10 | 7 | 220 | 140 | | | | | 261 | 310 | Good | Good | High | 1. Long | A1 | 3.1 | 2.0 | |
| 25 | Grey Box | <i>Eucalyptus moluccana</i> | Semi-mature | 9 | 5 | 320 | | | | | | 320 | 350 | Good | Good | High | 1. Long | A1 | 3.8 | 2.1 | |
| 26 | Flooded Gum | <i>Eucalyptus grandis</i> | Young | 7 | 2 | 140 | | | | | | 140 | 160 | Good | Fair | Moderate | 2. Medium | A2 | 2.0 | 1.5 | Bark wounds |
| 27 | Grey Box | <i>Eucalyptus moluccana</i> | Young | 10 | 2 | 110 | 110 | 120 | 100 | 100 | | 242 | 400 | Good | Fair | Moderate | 2. Medium | A2 | 2.9 | 2.3 | |
| 28 | Red Mahogany | <i>Eucalyptus resinifera</i> | Semi-mature | 10 | 6 | 270 | | | | | | 270 | 300 | Good | Good | High | 1. Long | A1 | 3.2 | 2.0 | |
| 29 | Grey Box | <i>Eucalyptus moluccana</i> | Semi-mature | 14 | 6 | 350 | | | | | | 350 | 360 | Good | Good | High | 1. Long | A1 | 4.2 | 2.2 | |
| 30 | Flooded Gum | <i>Eucalyptus grandis</i> | Young | 9 | 2 | 170 | | | | | | 170 | 190 | Poor | Good | Low | 3. Short | Z4 | 2.0 | 1.6 | |
| 31 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 11 | 5 | 380 | | | | | | 380 | 400 | Good | Good | High | 1. Long | A1 | 4.6 | 2.3 | |
| 32 | Lemon Scented Gum | <i>Corymbia citriodora</i> | Young | 12 | 6 | 260 | | | | | | 260 | 300 | Fair | Poor | Low | 3. Short | Z10 | 3.1 | 2.0 | Included stems |
| 33 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 12 | 7 | 390 | | | | | | 390 | 410 | Good | Good | High | 1. Long | A1 | 4.7 | 2.3 | |
| 34 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 7 | 4 | 290 | | | | | | 290 | 310 | Good | Good | Moderate | 1. Long | A1 | 3.5 | 2.0 | |
| 35 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 5 | 4 | 250 | | | | | | 250 | 400 | Good | Good | Moderate | 1. Long | A1 | 3.0 | 2.3 | |
| 36 | Common Ash | <i>Fraxinus excelsior</i> | Young | 5 | 2 | 110 | 110 | 80 | 80 | 50 | | 199 | 350 | Good | Fair | Moderate | 2. Medium | A2 | 2.4 | 2.1 | |
| 37 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 7 | 4 | 360 | | | | | | 360 | 480 | Good | Good | Moderate | 1. Long | A1 | 4.3 | 2.4 | |
| 38 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 7 | 5 | 380 | | | | | | 380 | 600 | Good | Good | Moderate | 1. Long | A1 | 4.6 | 2.7 | |
| 39 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 8 | 5 | 380 | | | | | | 380 | 460 | Good | Good | Moderate | 1. Long | A1 | 4.6 | 2.4 | |
| 40 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 11 | 6 | 380 | | | | | | 380 | 400 | Fair | Fair | Low | 3. Short | Z10 | 4.6 | 2.3 | Cankers on trunk and borers |
| 41 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 11 | 6 | 270 | 170 | | | | | 319 | 360 | Good | Good | High | 1. Long | A1 | 3.8 | 2.2 | |
| 42 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 15 | 6 | 334 | | | | | | 334 | 350 | Good | Good | High | 1. Long | A1 | 4.0 | 2.1 | |
| 43 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 14 | 6 | 410 | | | | | | 410 | 480 | Good | Good | High | 1. Long | A1 | 4.9 | 2.4 | |
| 44 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 4 | 3 | 230 | 200 | | | | | 305 | 250 | Good | Good | Moderate | 1. Long | Z1 | 3.7 | 1.8 | Easily replaced |
| 45 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 4 | 3 | 170 | | | | | | 170 | 230 | Good | Good | Moderate | 1. Long | Z1 | 2.0 | 1.8 | Easily replaced |
| 46 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 5 | 3 | 370 | | | | | | 370 | 400 | Good | Good | Moderate | 1. Long | A1 | 4.4 | 2.3 | |
| 47 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 4 | 3 | 240 | | | | | | 240 | 350 | Good | Good | Moderate | 1. Long | Z1 | 2.9 | 2.1 | Easily replaced |
| 48 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 6 | 4 | 280 | 180 | | | | | 333 | 400 | Good | Good | Moderate | 1. Long | A1 | 4.0 | 2.3 | |
| 49 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 5 | 2 | 180 | | | | | | 180 | 210 | Good | Good | Moderate | 1. Long | A1 | 2.2 | 1.7 | |
| 50 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 5 | 2 | 210 | | | | | | 210 | 280 | Good | Good | Moderate | 1. Long | A1 | 2.5 | 1.9 | |
| 51 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 4 | 2 | 140 | | | | | | 140 | 160 | Good | Good | Moderate | 1. Long | Z1 | 2.0 | 1.5 | Easily replaced |
| 52 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 5 | 3 | 230 | | | | | | 230 | 250 | Good | Good | Moderate | 1. Long | A1 | 2.8 | 1.8 | |
| 53 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 9 | 2 | 195 | | | | | | 195 | 210 | Poor | Good | Low | 3. Short | Z4 | 2.3 | 1.7 | |
| 54 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 9 | 6 | 310 | | | | | | 310 | 330 | Good | Good | High | 1. Long | A1 | 3.7 | 2.1 | |
| 55 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 10 | 6 | 260 | 270 | | | | | 375 | 380 | Good | Good | High | 1. Long | A1 | 4.5 | 2.2 | |
| 56 | Weeping Lilly Pilly | <i>Waterhousia floribunda</i> | Young | 5 | 2 | 111 | | | | | | 111 | 120 | Good | Good | Moderate | 1. Long | A1 | 2.0 | 1.5 | |
| 57 | Ash 'Raywood' | <i>Fraxinus raywood</i> | Semi-mature | 7 | 4 | 190 | | | | | | 190 | 200 | Good | Good | Moderate | 1. Long | A1 | 2.3 | 1.7 | |
| 58 | Common Ash | <i>Fraxinus excelsior</i> | Semi-mature | 8 | 4 | 330 | | | | | | 330 | 390 | Good | Good | Moderate | 1. Long | A1 | 4.0 | 2.2 | |
| 59 | Weeping Lilly Pilly | <i>Waterhousia floribunda</i> | Young | 5 | 2 | 111 | | | | | | 111 | 120 | Good | Good | Moderate | 1. Long | A1 | 2.0 | 1.5 | |
| 60 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 11 | 6 | 410 | | | | | | 410 | 430 | Good | Poor | Low | 3. Short | Z10 | 4.9 | 2.3 | Decay between stems |
| 61 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 5 | 2 | 160 | | | | | | 160 | 170 | Good | Good | Moderate | 1. Long | A1 | 2.0 | 1.6 | |
| 61 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 13 | 6 | 360 | | | | | | 360 | 380 | Good | Good | High | 1. Long | A1 | 4.3 | 2.2 | |

Appendix 2 - Tree Inspection Schedule

| Tree ID | Common Name | Botanical Name | Age Class | Height (m) | Canopy Spread Radius (m) | Stem 1 (mm) | Stem 2 (mm) | Stem 3 | Stem 4 | Stem 5 | Stem 6 | DBH (mm) | DAB (mm) | Health | Structure | Landscape Value | SULE | Trees AZ Value | TPZ Radius (m) | SRZ Radius (m) | Notes |
|---------|--------------------------|---------------------------------------|-------------|------------|--------------------------|-------------|-------------|--------|--------|--------|--------|----------|----------|--------|-----------|-----------------|-----------|----------------|----------------|----------------|--|
| 62 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 10 | 4 | 270 | | | | | | 270 | 290 | Good | Good | High | 1.Long | A1 | 3.2 | 2.0 | |
| 63 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 15 | 4 | 380 | | | | | | 380 | 390 | Fair | Fair | Low | 3. Short | Z10 | 4.6 | 2.2 | Basal cambium dieback and large deadwood |
| 64 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 10 | 6 | 260 | 220 | | | | | 341 | 400 | Fair | Fair | Low | 3. Short | Z4 | 4.1 | 2.3 | Advanced Cankers on trunk |
| 65 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 14 | 7 | 420 | | | | | | 420 | 450 | Good | Good | High | 1.Long | A1 | 5.0 | 2.4 | |
| 66 | Spotted Gum | <i>Corymbia maculata</i> | Semi-mature | 10 | 4 | 370 | | | | | | 370 | 380 | Fair | Good | Moderate | 2. Medium | A2 | 4.4 | 2.2 | |
| 67 | Spotted Gum | <i>Corymbia maculata</i> | Semi-mature | 11 | 6 | 385 | | | | | | 385 | 400 | Good | Good | High | 1.Long | A1 | 4.6 | 2.3 | |
| 68 | Spotted Gum | <i>Corymbia maculata</i> | Semi-mature | 11 | 3 | 330 | | | | | | 330 | 350 | Good | Good | High | 1.Long | A1 | 4.0 | 2.1 | |
| 69 | Spotted Gum | <i>Corymbia maculata</i> | Semi-mature | 13 | 3 | 350 | | | | | | 350 | 400 | Good | Good | High | 1.Long | A1 | 4.2 | 2.3 | |
| 70 | Grey Ironbark | <i>Eucalyptus paniculata</i> | Semi-mature | 10 | 6 | 150 | 180 | 100 | 100 | 100 | | 291 | 450 | Good | Fair | Moderate | 2. Medium | A2 | 3.5 | 2.4 | |
| 71 | Grey Ironbark | <i>Eucalyptus paniculata</i> | Semi-mature | 12 | 7 | 330 | | | | | | 330 | 400 | Good | Good | High | 1.Long | A1 | 4.0 | 2.3 | |
| 72 | Spotted Gum | <i>Corymbia maculata</i> | Semi-mature | 12 | 4 | 390 | | | | | | 390 | 410 | Good | Good | High | 1.Long | A1 | 4.7 | 2.3 | |
| 73 | Spotted Gum | <i>Corymbia maculata</i> | Semi-mature | 12 | 3 | 265 | | | | | | 265 | 300 | Good | Good | High | 1.Long | A1 | 3.2 | 2.0 | |
| 74 | Spotted Gum | <i>Corymbia maculata</i> | Semi-mature | 14 | 7 | 420 | | | | | | 420 | 500 | Good | Good | High | 1.Long | A1 | 5.0 | 2.5 | |
| 75 | Common Ash | <i>Fraxinus excelsior</i> | Semi-mature | 7 | 5 | 185 | 170 | 120 | | | | 278 | 400 | Good | Good | Moderate | 1.Long | A1 | 3.3 | 2.3 | |
| 76 | Common Ash | <i>Fraxinus excelsior</i> | Semi-mature | 7 | 5 | 230 | 150 | 150 | 150 | | | 347 | 520 | Good | Good | Moderate | 1.Long | A1 | 4.2 | 2.5 | |
| 77 | Common Ash | <i>Fraxinus excelsior</i> | Semi-mature | 5 | 4 | 180 | 120 | | | | | 216 | 395 | Good | Good | Moderate | 1.Long | A1 | 2.6 | 2.2 | |
| 78 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 9 | 5 | 355 | | | | | | 355 | 400 | Good | Good | High | 1.Long | A1 | 4.3 | 2.3 | |
| 79 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 11 | 6 | 400 | | | | | | 400 | 510 | Good | Good | High | 1.Long | A1 | 4.8 | 2.5 | |
| 80 | Broad Leaved Paperbark | <i>Melaleuca quinquenervia</i> | Semi-mature | 8 | 3 | 245 | | | | | | 245 | 310 | Fair | Good | Moderate | 2. Medium | A2 | 2.9 | 2.0 | |
| 81 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Mature | 7 | 4 | 295 | | | | | | 295 | 310 | Good | Good | Moderate | 1.Long | A1 | 3.5 | 2.0 | |
| 82 | Plantaus Spp. | <i>Platanus Spp.</i> | Semi-mature | 9 | 4 | 220 | | | | | | 220 | 250 | Good | Good | Moderate | 1.Long | A1 | 2.6 | 1.8 | |
| 83 | Plantaus Spp. | <i>Platanus Spp.</i> | Semi-mature | 8 | 4 | 250 | | | | | | 250 | 280 | Good | Good | Moderate | 1.Long | A1 | 3.0 | 1.9 | |
| 84 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 6 | 4 | 190 | 190 | | | | | 269 | 230 | Good | Good | Moderate | 1.Long | A1 | 3.2 | 1.8 | |
| 85 | Broad Leaved Paperbark | <i>Melaleuca quinquenervia</i> | Young | 4 | 2 | 100 | 160 | | | | | 189 | 180 | Good | Good | High | 1.Long | Z1 | 2.3 | 1.6 | Easily replaced |
| 86 | Lemon Scented Gum | <i>Corymbia citriodora</i> | Semi-mature | 10 | 7 | 345 | | | | | | 345 | 400 | Good | Good | High | 1.Long | A1 | 4.1 | 2.3 | |
| 87 | Common Ash | <i>Fraxinus excelsior</i> | Young | 4 | 2 | 100 | 80 | 80 | 50 | | | 159 | 250 | Good | Good | Moderate | 1.Long | Z1 | 2.0 | 1.8 | Easily replaced |
| 88 | Ash 'Raywood' | <i>Fraxinus raywood</i> | Young | 4 | 3 | 100 | 80 | 50 | 50 | 50 | | 155 | 180 | Good | Good | Moderate | 1.Long | Z1 | 2.0 | 1.6 | Easily replaced |
| 89 | Spotted Gum | <i>Corymbia maculata</i> | Mature | 20 | 7 | 580 | | | | | | 580 | 690 | Good | Good | Very High | 1. Long | AA1 | 7.0 | 2.8 | |
| 90 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 5 | 3 | 200 | | | | | | 200 | 200 | Good | Good | Moderate | 1.Long | A1 | 2.4 | 1.7 | |
| 91 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 5 | 3 | 180 | | | | | | 180 | 200 | Good | Good | Moderate | 1.Long | A1 | 2.2 | 1.7 | |
| 92 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 5 | 3 | 180 | | | | | | 180 | 200 | Good | Good | Moderate | 1.Long | A1 | 2.2 | 1.7 | |
| 93 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 5 | 3 | 180 | | | | | | 180 | 200 | Good | Good | Moderate | 1.Long | A1 | 2.2 | 1.7 | |
| 94 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 5 | 3 | 180 | | | | | | 180 | 200 | Good | Good | Moderate | 1.Long | A1 | 2.2 | 1.7 | |
| 95 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 5 | 3 | 160 | 170 | | | | | 233 | 350 | Good | Good | Moderate | 1.Long | A1 | 2.8 | 2.1 | |
| 96 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 5 | 3 | 160 | 170 | | | | | 233 | 350 | Good | Good | Moderate | 1.Long | A1 | 2.8 | 2.1 | |
| 97 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 3 | 2 | 100 | 120 | | | | | 156 | 210 | Good | Fair | Moderate | 2. Medium | Z1 | 2.0 | 1.7 | Easily replaced |
| 98 | Peppercorn Tree | <i>Schinus molle</i> | Semi-mature | 6 | 3 | 200 | | | | | | 200 | 220 | Good | Good | Moderate | 1.Long | A1 | 2.4 | 1.8 | |
| 99 | Red Mahogany | <i>Eucalyptus resinifera</i> | Young | 6 | 2 | 110 | 100 | | | | | 149 | 220 | Good | Good | High | 1. Long | A1 | 2.0 | 1.8 | |
| 100 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 15 | 6 | 490 | | | | | | 490 | 520 | Good | Good | High | 1. Long | A1 | 5.9 | 2.5 | |
| 101 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 7 | 3 | 210 | | | | | | 210 | 250 | Good | Good | Moderate | 1.Long | A1 | 2.5 | 1.8 | |
| 102 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 5 | 3 | 160 | 100 | | | | | 189 | 200 | Good | Good | Moderate | 1.Long | A1 | 2.3 | 1.7 | |
| 103 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 5 | 3 | 100 | 90 | 100 | | | | 168 | 180 | Good | Good | Moderate | 1.Long | A1 | 2.0 | 1.6 | |
| 104 | Manchurian Pear | <i>Pyrus ussuriensis</i> | Semi-mature | 5 | 2 | 180 | | | | | | 180 | 190 | Good | Good | Moderate | 1.Long | A1 | 2.2 | 1.6 | |
| 105 | Ash 'Raywood' | <i>Fraxinus raywood</i> | Young | 5 | 2 | 80 | 100 | 50 | 50 | 50 | | 155 | 240 | Good | Good | Moderate | 1.Long | A1 | 2.0 | 1.8 | |
| 106 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 17 | 7 | 380 | | | | | | 380 | 400 | Good | Good | High | 1. Long | A1 | 4.6 | 2.3 | |
| 107 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 10 | 3 | 340 | | | | | | 340 | 380 | Good | Good | High | 1. Long | A1 | 4.1 | 2.2 | |
| 108 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Mature | 20 | 15 | 900 | 900 | | | | | 1273 | 1500 | Good | Good | High | 1. Long | A1 | 15.3 | 3.9 | Bark wounds |
| 109 | African Olive | <i>Olea europaea subsp. cuspidata</i> | Young | 4 | 2 | 20 | 20 | 20 | 50 | 50 | | 79 | 180 | Good | Good | Low | 1. Long | Z3 | 2.0 | 1.6 | Easily replaced |
| 110 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 4 | 1 | 165 | | | | | | 165 | 100 | Good | Good | High | 1. Long | Z1 | 2.0 | 1.5 | Easily replaced |
| 111 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 5 | 1 | 165 | | | | | | 165 | 100 | Good | Good | High | 1. Long | A1 | 2.0 | 1.5 | |
| 112 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 5 | 1 | 165 | | | | | | 165 | 100 | Good | Good | High | 1. Long | A1 | 2.0 | 1.5 | |
| 113 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 5 | 2 | 220 | | | | | | 220 | 230 | Good | Good | High | 1. Long | A1 | 2.6 | 1.8 | |
| 114 | African Olive | <i>Olea europaea subsp. cuspidata</i> | Semi-mature | 5 | 3 | 100 | 100 | 80 | 80 | 50 | | 188 | 200 | Good | Good | Low | 1. Long | Z3 | 2.3 | 1.7 | |
| 115 | Prickly Leaved Paperbark | <i>Melaleuca styphelioides</i> | Semi-mature | 5 | 3 | 180 | 150 | | | | | 234 | 300 | Good | Good | High | 1. Long | A1 | 2.8 | 2.0 | |
| 116 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 7 | 3 | 300 | | | | | | 300 | 320 | Good | Good | High | 1. Long | A1 | 3.6 | 2.1 | |
| 117 | Prickly Leaved Paperbark | <i>Melaleuca styphelioides</i> | Semi-mature | 6 | 2 | 200 | | | | | | 200 | 220 | Good | Good | High | 1. Long | A1 | 2.4 | 1.8 | |
| 118 | Prickly Leaved Paperbark | <i>Melaleuca styphelioides</i> | Semi-mature | 6 | 3 | 400 | | | | | | 400 | 450 | Good | Good | High | 1. Long | A1 | 4.8 | 2.4 | |
| 119 | Prickly Leaved Paperbark | <i>Melaleuca styphelioides</i> | Semi-mature | 5 | 3 | 170 | 180 | | | | | 248 | 310 | Good | Good | High | 1. Long | A1 | 3.0 | 2.0 | |

Appendix 2 - Tree Inspection Schedule

| Tree ID | Common Name | Botanical Name | Age Class | Height (m) | Canopy Spread Radius (m) | Stem 1 (mm) | Stem 2 (mm) | Stem 3 | Stem 4 | Stem 5 | Stem 6 | DBH (mm) | DAB (mm) | Health | Structure | Landscape Value | SULE | Trees AZ Value | TPZ Radius (m) | SRZ Radius (m) | Notes |
|---------|--------------------------|--------------------------------|-------------|------------|--------------------------|-------------|-------------|--------|--------|--------|--------|----------|----------|--------|-----------|-----------------|-----------|----------------|----------------|----------------|--|
| G2 | Broad Leaved Privet | <i>Ligustrum lucidum</i> | Semi-mature | 5 | 3 | 200 | | | | | | 200 | 300 | Good | Good | Very Low | 1. Long | Z3 | 2.4 | 2.0 | Small and broad |
| 120 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 6 | 2 | 220 | 140 | 190 | | | | 323 | 450 | Good | Good | High | 1. Long | A1 | 3.9 | 2.4 | |
| 121 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 6 | 420 | | | | | | 420 | 500 | Fair | Good | Moderate | 2. Medium | A2 | 5.0 | 2.5 | |
| 122 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 5 | 410 | | | | | | 410 | 480 | Good | Good | High | 1. Long | A1 | 4.9 | 2.4 | |
| 123 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 3 | 220 | | | | | | 220 | 200 | Poor | Fair | Low | 3. Short | Z10 | 2.6 | 1.7 | |
| 124 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 5 | 390 | | | | | | 390 | 450 | Good | Fair | Moderate | 2. Medium | A2 | 4.7 | 2.4 | Borers at base |
| 125 | Weeping Bottlebrush | <i>Callistemon viminalis</i> | Semi-mature | 5 | 3 | 90 | 100 | 90 | 90 | 90 | | 206 | 210 | Good | Good | Moderate | 1.Long | A1 | 2.5 | 1.7 | |
| 126 | Weeping Bottlebrush | <i>Callistemon viminalis</i> | Semi-mature | 5 | 3 | 100 | 90 | 90 | 80 | 80 | | 197 | 310 | Fair | Good | Moderate | 1.Long | A2 | 2.4 | 2.0 | |
| 127 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 6 | 3 | 240 | 240 | | | | | 339 | 390 | Good | Good | High | 1. Long | A1 | 4.1 | 2.2 | |
| 128 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 11 | 4 | 400 | | | | | | 400 | 420 | Fair | Good | Moderate | 2. Medium | A2 | 4.8 | 2.3 | |
| 129 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 5 | 3 | 190 | | | | | | 190 | 210 | Good | Good | High | 1. Long | A1 | 2.3 | 1.7 | |
| 130 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 6 | 2 | 180 | | | | | | 180 | 200 | Good | Good | High | 1. Long | A1 | 2.2 | 1.7 | |
| 131 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 7 | 3 | 240 | | | | | | 240 | 280 | Good | Good | High | 1. Long | A1 | 2.9 | 1.9 | |
| 132 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 12 | 6 | 420 | | | | | | 420 | 480 | Good | Good | High | 1. Long | A1 | 5.0 | 2.4 | |
| 133 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 6 | 2 | 201 | | | | | | 201 | 220 | Good | Good | High | 1. Long | A1 | 2.4 | 1.8 | |
| 134 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 7 | 3 | 235 | | | | | | 235 | 320 | Good | Good | High | 1. Long | A1 | 2.8 | 2.1 | |
| 135 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 7 | 3 | 160 | 190 | | | | | 248 | 240 | Good | Good | High | 1. Long | A1 | 3.0 | 1.8 | |
| 136 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 14 | 7 | 440 | | | | | | 440 | 480 | Good | Good | High | 1. Long | A1 | 5.3 | 2.4 | |
| 137 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 6 | 2 | 180 | | | | | | 180 | 210 | Good | Good | High | 1. Long | A1 | 2.2 | 1.7 | |
| 138 | Prickly Leaved Paperbark | <i>Melaleuca styphelioides</i> | Semi-mature | 6 | 2 | 180 | | | | | | 180 | 210 | Good | Good | High | 1. Long | A1 | 2.2 | 1.7 | |
| 139 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 6 | 2 | 180 | | | | | | 180 | 210 | Good | Good | High | 1. Long | A1 | 2.2 | 1.7 | |
| 140 | Snow In Summer | <i>Melaleuca linarifolia</i> | Semi-mature | 6 | 2 | 180 | | | | | | 180 | 210 | Good | Good | High | 1. Long | A1 | 2.2 | 1.7 | |
| 141 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 13 | 7 | 501 | | | | | | 501 | 550 | Good | Good | High | 1. Long | A1 | 6.0 | 2.6 | |
| 142 | Prickly Leaved Paperbark | <i>Melaleuca styphelioides</i> | Semi-mature | 7 | 3 | 290 | | | | | | 290 | 310 | Good | Good | High | 1. Long | A1 | 3.5 | 2.0 | |
| 143 | Prickly Leaved Paperbark | <i>Melaleuca styphelioides</i> | Semi-mature | 6 | 3 | 210 | 200 | | | | | 290 | 450 | Good | Good | High | 1. Long | A1 | 3.5 | 2.4 | |
| 144 | Peppercorn Tree | <i>Schinus molle</i> | Mature | 8 | 4 | 340 | 340 | 300 | | | | 567 | 550 | Good | Good | High | 1. Long | A1 | 6.8 | 2.6 | |
| 145 | Grey Ironbark | <i>Eucalyptus paniculata</i> | Semi-mature | 12 | 4 | 280 | | | | | | 280 | 320 | Fair | Good | Moderate | 2. Medium | A2 | 3.4 | 2.1 | |
| 146 | Grey Ironbark | <i>Eucalyptus paniculata</i> | Semi-mature | 12 | 4 | 280 | | | | | | 280 | 320 | Fair | Good | Moderate | 2. Medium | A2 | 3.4 | 2.1 | |
| 147 | Grey Ironbark | <i>Eucalyptus paniculata</i> | Semi-mature | 12 | 5 | 285 | | | | | | 285 | 300 | Good | Good | High | 1. Long | A1 | 3.4 | 2.0 | |
| 148 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 10 | 6 | 375 | | | | | | 375 | 400 | Fair | Good | Moderate | 2. Medium | A2 | 4.5 | 2.3 | |
| 149 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 11 | 5 | 410 | | | | | | 410 | 450 | Fair | Good | Moderate | 2. Medium | A2 | 4.9 | 2.4 | |
| 150 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 10 | 6 | 365 | | | | | | 365 | 450 | Good | Good | High | 1. Long | A1 | 4.4 | 2.4 | |
| 151 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 4 | 175 | 165 | | | | | 241 | 350 | Good | Poor | Low | 3. Short | Z10 | 2.9 | 2.1 | Defective base |
| 152 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 6 | 410 | | | | | | 410 | 450 | Good | Good | High | 1. Long | A1 | 4.9 | 2.4 | |
| 153 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Young | 3 | 2 | 50 | 50 | 50 | | | | 87 | 250 | Poor | Poor | Low | 3. Short | Z10 | 2.0 | 1.8 | Easily replaced |
| 154 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 10 | 7 | 500 | | | | | | 500 | 550 | Good | Good | High | 1. Long | A1 | 6.0 | 2.6 | |
| 155 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 6 | 410 | | | | | | 410 | 450 | Fair | Good | Moderate | 2. Medium | A2 | 4.9 | 2.4 | Borers in trunk |
| 156 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 3 | 210 | 220 | 120 | | | | 327 | 500 | Good | Fair | Moderate | 2. Medium | A2 | 3.9 | 2.5 | |
| 157 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 7 | 5 | 250 | | | | | | 250 | 280 | Poor | Poor | Low | 3. Short | Z4 | 3.0 | 1.9 | |
| 158 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 11 | 7 | 400 | | | | | | 400 | 480 | Poor | Poor | Low | 3. Short | Z4 | 4.8 | 2.4 | |
| 159 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 10 | 6 | 410 | | | | | | 410 | 450 | Good | Poor | Low | 3. Short | Z10 | 4.9 | 2.4 | Significant branch failure |
| 160 | Grey Box | <i>Eucalyptus moluccana</i> | Young | 3 | 1 | 50 | 60 | 80 | | | | 112 | 120 | Poor | Fair | Low | 3. Short | Z10 | 2.0 | 1.5 | Easily replaced |
| 161 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 6 | 400 | | | | | | 400 | 450 | Good | Good | High | 1. Long | A1 | 4.8 | 2.4 | |
| 162 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 6 | 420 | | | | | | 420 | 450 | Good | Good | High | 1. Long | A1 | 5.0 | 2.4 | |
| 163 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 4 | 165 | 200 | 200 | 110 | | | 345 | 550 | Good | Fair | Moderate | 2. Medium | A1 | 4.1 | 2.6 | |
| 164 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 10 | 7 | 410 | | | | | | 410 | 450 | Good | Good | High | 1. Long | A1 | 4.9 | 2.4 | |
| 165 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 12 | 8 | 400 | | | | | | 400 | 420 | Good | Good | High | 1. Long | A1 | 4.8 | 2.3 | |
| 166 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 8 | 4 | 301 | | | | | | 301 | 320 | Poor | Poor | Low | 3. Short | Z4 | 3.6 | 2.1 | |
| 167 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 10 | 5 | 415 | | | | | | 415 | 410 | Good | Fair | Moderate | 2. Medium | A2 | 5.0 | 2.3 | |
| 168 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 9 | 5 | 390 | | | | | | 390 | 410 | Good | Good | High | 1. Long | A1 | 4.7 | 2.3 | |
| 169 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 12 | 4 | 350 | | | | | | 350 | 400 | Fair | Fair | Low | 3. Short | Z10 | 4.2 | 2.3 | |
| 170 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 10 | 6 | 395 | | | | | | 395 | 410 | Fair | Good | Moderate | 2. Medium | A2 | 4.7 | 2.3 | |
| 171 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 11 | 4 | 330 | | | | | | 330 | 380 | Good | Fair | Moderate | 2. Medium | A1 | 4.0 | 2.2 | Bark wounds on multiple trees due to storage |
| 172 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 11 | 5 | 345 | | | | | | 345 | 360 | Good | Good | High | 1. Long | A1 | 4.1 | 2.2 | |
| 173 | Forest Red Gum | <i>Eucalyptus tereticornis</i> | Semi-mature | 12 | 4 | 400 | | | | | | 400 | 420 | Good | Good | High | 1. Long | A1 | 4.8 | 2.3 | |
| 174 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 10 | 6 | 330 | | | | | | 330 | 340 | Good | Good | High | 1. Long | A1 | 4.0 | 2.1 | |
| 175 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 11 | 6 | 310 | 250 | | | | | 398 | 400 | Fair | Fair | Low | 3. Short | Z10 | 4.8 | 2.3 | |
| 176 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 11 | 6 | 365 | | | | | | 365 | 380 | Good | Good | High | 1. Long | A1 | 4.4 | 2.2 | |
| 177 | Flooded Gum | <i>Eucalyptus grandis</i> | Semi-mature | 12 | 5 | 340 | | | | | | 340 | 360 | Good | Good | High | 1. Long | A1 | 4.1 | 2.2 | |

Appendix 2 - Tree Inspection Schedule

| Tree ID | Common Name | Botanical Name | Age Class | Height (m) | Canopy Spread Radius (m) | Stem 1 (mm) | Stem 2 (mm) | Stem 3 | Stem 4 | Stem 5 | Stem 6 | DBH (mm) | DAB (mm) | Health | Structure | Landscape Value | SULE | Trees AZ Value | TPZ Radius (m) | SRZ Radius (m) | Notes |
|---------|--------------|-----------------------------|-------------|------------|--------------------------|-------------|-------------|--------|--------|--------|--------|----------|----------|--------|-----------|-----------------|-----------|----------------|----------------|----------------|--------------------------|
| 178 | Spotted Gum | <i>Corymbia maculata</i> | Semi-mature | 10 | 6 | 375 | | | | | | 375 | 400 | Fair | Good | Moderate | 2. Medium | A2 | 4.5 | 2.3 | |
| 179 | Spotted Gum | <i>Corymbia maculata</i> | Semi-mature | 10 | 7 | 370 | | | | | | 370 | 400 | Good | Good | High | 1. Long | A1 | 4.4 | 2.3 | |
| 180 | Grey Box | <i>Eucalyptus moluccana</i> | Semi-mature | 10 | 4 | 220 | | | | | | 220 | 250 | Good | Good | High | 1. Long | A1 | 2.6 | 1.8 | On adjoining site no tag |
| 181 | Grey Box | <i>Eucalyptus moluccana</i> | Semi-mature | 10 | 4 | 290 | | | | | | 290 | 310 | Good | Good | High | 1. Long | A1 | 3.5 | 2.0 | On adjoining site no tag |
| 182 | Grey Box | <i>Eucalyptus moluccana</i> | Semi-mature | 12 | 4 | 220 | | | | | | 220 | 300 | Good | Good | High | 1. Long | A1 | 2.6 | 2.0 | On adjoining site no tag |
| 183 | Indian Coral | <i>Erythrina x sykesii</i> | Semi-mature | 7 | 6 | 220 | 180 | 220 | | | | 359 | 500 | Good | Good | Low | 1.Long | Z3 | 4.3 | 2.5 | On adjoining site no tag |

Explanatory Notes

Tree Species - Botanical name followed by common name in brackets. Where species is unknown it is indicated with an ‘spp’.

Age Class - Over mature (OM), Mature (M), Early mature (EM), Semi mature (SM), Young (Y), Dead (D).

Diameter at Breast Height (DBH) - Measured with a DBH tape or estimated at approximately 1.4m above ground level. Where DBH has been estimated it is indicated with an ‘est’.

Diameter Above root Buttresses (DAB): Measured with a DBH tape or estimated above root buttresses (DAB) for calculating the SRZ.

Height - Height from ground level to top of crown. All heights are estimated unless otherwise indicated.

Spread - Radius of crown at widest section. All tree spreads are estimated unless otherwise indicated.

Tree Protection Zone (TPZ) - DBH x 12. Measured in radius from the centre of the trunk. Rounded to nearest 0.1m. For monocots, the TPZ is set at 1 metre outside the crown projection.

Structural Root Zone (SRZ) - (DAB x 50)^{0.42} x 0.64. Measured in radius from the centre of the trunk. Rounded up to nearest 0.1m.

Health - Good/Fair/Poor/Dead

Structure - Good/Fair/Poor

Safe Useful Life Expectancy (SULE) - 1. Long (40+years), 2. Medium (15 - 40 years), 3. Short (5 - 15 years), 4. Remove (under 5 years), 5. Small/young.

Amenity Value - Very High/High/Medium/Low/Very Low.

(x) Indicates the measurement taken for the diameter at tree base above the buttress roots.

(E) Indicates estimated measurements.

Appendix 3 – Assessment of Health

| <u>Category</u> | <u>Example condition</u> | <u>Summary</u> |
|------------------------|---|---|
| Good | <ul style="list-style-type: none">• Crown has good foliage density for species.• Tree shows no or minimal signs of pathogens that are unlikely to have an effect on the health of the tree.• Tree is displaying good vigour and reactive growth development. | <ul style="list-style-type: none">• The tree is in above average health and condition and no remedial works are required. |
| Fair | <ul style="list-style-type: none">• The tree may be starting to dieback or have over 25% deadwood.• Tree may have slightly reduced crown density or thinning.• There may be some discolouration of foliage.• Average reactive growth development.• There may be early signs of pathogens which may further deteriorate the health of the tree.• There may be epicormic growth indicating increased levels of stress within the tree. | <ul style="list-style-type: none">• The tree is in below average health and condition and may require remedial works to improve the trees health. |
| Poor | <ul style="list-style-type: none">• The may be in decline, have extensive dieback or have over 30% deadwood.• The canopy may be sparse or the leaves may be unusually small for species.• Pathogens or pests are having a significant detrimental effect on the tree health. | <ul style="list-style-type: none">• The tree is displaying low levels of health and removal or remedial works may be required. |
| Dead | <ul style="list-style-type: none">• The tree is dead or almost dead. | <ul style="list-style-type: none">• The tree should generally be removed. |

Appendix 4 Landscape Value

| RATING | HERITAGE VALUE | ECOLOGICAL VALUE | AMENITY VALUE |
|---------------------|---|---|---|
| 1. SIGNIFICANT | The subject tree is listed as a Heritage Item under the Local Environment Plan (LEP) with a local, state or national level of significance or is listed on Council's Significant Tree Register | The subject tree is scheduled as a Threatened Species as defined under the Threatened Species Conservation Act 1995 (NSW) or the Environmental Protection and Biodiversity Conservation Act 1999 | The subject tree has a very large live crown size exceeding 300m ² with normal to dense foliage cover, is located in a visually prominent position in the landscape, exhibits very good form and habit typical of the species |
| | The subject tree forms part of the curtilage of a Heritage Item (building /structure /artefact as defined under the LEP) and has a known or documented association with that item | The tree is a locally indigenous species, representative of the original vegetation of the area and is known as an important food, shelter or nesting tree for endangered or threatened fauna species | The subject tree makes a significant contribution to the amenity and visual character of the area by creating a sense of place or creating a sense of identity |
| | The subject tree is a Commemorative Planting having been planted by an important historical person (s) or to Commemorate an important historical event | The subject tree is a Remnant Tree, being a tree in existence prior to development of the area | The tree is visually prominent in view from surrounding areas, being a landmark or visible from a considerable distance |
| 2. VERY HIGH | The tree has a strong historical association with a heritage item (building/structure/artefact/garden etc) within or adjacent the property and/or exemplifies a particular era or style of landscape design associated with the original development of the site. | The tree is a locally-indigenous species, representative of the original vegetation of the area and is a dominant or associated canopy species of an Endangered Ecological Community (EEC) formerly occurring in the area occupied by the site. | The subject tree has a very large live crown size exceeding 200m ² ; a crown density exceeding 70% (normal-dense), is a very good representative of the species in terms of its form and branching habit or is aesthetically distinctive and makes a positive contribution to the visual character and the amenity of the area |
| 3. HIGH | The tree has a suspected historical association with a heritage item or landscape supported by anecdotal or visual evidence | The tree is a locally-indigenous species and representative of the original vegetation of the area and the tree is located within a defined Vegetation Link / Wildlife Corridor or has known wildlife habitat value | The subject tree has a large live crown size exceeding 100m ² ; The tree is a good representative of the species in terms of its form and branching habit with minor deviations from normal (e.g. crown distortion/suppression) with a crown density of at least 70% normal); The subject tree is visible from the street and surrounding properties and makes a positive contribution to the visual character and the amenity of the area |
| 4. MODERATE | The tree has no known or suspected historical association, but does not detract or diminish the value of the item and is sympathetic to the original era of planting. | The subject tree is a non-local native or exotic species that is protected under the provisions of this DCP. | The subject tree has a medium live crown size exceeding 40m ² ; The tree is a fair representative of the species, exhibiting moderate deviations from typical form (distortion/suppression etc) with a crowndensity of more than 50% (thinning to normal); and The tree is visible from surrounding properties, but is not visually prominent – view may be partially obscured by other vegetation or built forms. The tree makes a fair contribution to the visual character and amenity of the area. |
| 5. LOW | The subject tree detracts from heritage values or diminishes the value of a heritage item | The subject tree is scheduled as exempt (not protected) under the provisions of this DCP due to its species, nuisance or position relative to buildings or other structures. | The subject tree has a small live crown size of less than 40m ² and can be replaced within the short term (5-10 years) with new tree planting |
| 6. VERY LOW | The subject tree is causing significant damage to a heritage Item. | The subject tree is listed as an Environment Weed Species in the Local Government Area, being invasive, or is a known nuisance species. | The subject tree is not visible from surrounding properties (visibility obscured) and makes a negligible contribution or has a negative impact on the amenity and visual character of the area. The tree is a poor representative of the species, showing significant deviations from the typical form and branching habit with a crown density of less than 50% (sparse). |
| 7. INSIGNIFICANT | The tree is completely dead and has no visible habitat value | The tree is a declared Noxious Weed under the Noxious Weeds Act (NSW) 1993 within the relevant Local Government Area. | The tree is completely dead and represents a potential hazard. |

Appendix 5 - Age class

Determining the exact age of a tree is difficult without carrying out potentially invasive testing. The age class of the subject tree has been estimated using the definitions below.

| <u>Category</u> | <u>Description</u> |
|------------------------|---|
| Young/Newly planted | <ul style="list-style-type: none">• Young or recently planted tree. |
| Semi Mature | <ul style="list-style-type: none">• Up to 20% of the usual life expectancy for the species. |
| Early mature/Mature | <ul style="list-style-type: none">• Between 20% - 80% of the usual life expectancy for the species. |
| Over mature | <ul style="list-style-type: none">• Over 80% of the usual life expectancy for the species. |
| Dead | <ul style="list-style-type: none">• Tree is dead or almost dead. |

Appendix 4 - Structural condition

| <u>Category</u> | <u>Example condition</u> | <u>Summary</u> |
|------------------------|--|---|
| Good | <ul style="list-style-type: none">• Branch unions appear to be strong with no sign of defects.• There are no significant cavities.• The tree is unlikely to fail in usual conditions.• The tree has a balanced crown shape and form. | <ul style="list-style-type: none">• The tree is considered structurally good with well developed form. |
| Fair | <ul style="list-style-type: none">• The tree may have minor structural defects within the structure of the crown that could potentially develop into more significant defects.• The tree may have a cavity that is currently unlikely to fail but may deteriorate in the future.• The tree is an unbalanced shape or leans significantly.• The tree may have minor damage to its roots.• The root plate may have moved in the past but the tree has now compensated for this.• Branches may be rubbing or crossing. | <ul style="list-style-type: none">• The identified defects are unlikely to cause major failure.• Some branch failure may occur in usual conditions.• Remedial works can be undertaken to alleviate potential defects. |
| Poor | <ul style="list-style-type: none">• The tree has significant structural defects.• Branch unions may be poor or weak.• The tree may have a cavity or cavities with excessive levels of decay that could cause catastrophic failure.• The tree may have root damage or is displaying signs of recent movement.• The tree crown may have poor weight distribution which could cause failure. | <ul style="list-style-type: none">• The identified defects are likely to cause either partial or whole failure of the tree. |

Appendix 7 - Safe Useful Life Expectancy (SULE), (Barrel, 2001)

A tree's safe useful life expectancy is determined by assessing a number of different factors including the health and vitality, estimated age in relation to expected life expectancy for the species, structural defects, and remedial works that could allow retention in the existing situation.

| Category | Description |
|-----------------|---|
| 1. Long | Useful life expectancy over 40 years |
| 2. Medium | Useful life expectancy 15 to 40 years |
| 3. Short | Useful life expectancy 5 to 15 years |
| 4. Remove | Useful life expectancy under 5 years |
| 5. Small/Young | Trees that could be transplanted or replaced with similar specimen. |
| 6. Unstable | Tree has become hazardous or structurally unstable. |

TreeAZ Categories (Version 10.04-ANZ)

CAUTION: TreeAZ assessments must be carried out by a competent person qualified and experienced in arboriculture. The following category descriptions are designed to be a brief field reference and are not intended to be self-explanatory. They must be read in conjunction with the most current explanations published at www.TreeAZ.com.

Category Z: Unimportant trees not worthy of being a material constraint

Local policy exemptions: Trees that are unsuitable for legal protection for local policy reasons including size, proximity and species

| | |
|-----------|---|
| Z1 | Young or insignificant small trees, i.e. below the local size threshold for legal protection, etc |
| Z2 | Too close to a building, i.e. exempt from legal protection because of proximity, etc |
| Z3 | Species that cannot be protected for other reasons, i.e. scheduled noxious weeds, out of character in a setting of acknowledged importance, etc |

High risk of death or failure: Trees that are likely to be removed within 10 years because of acute health issues or severe structural failure

| | |
|-----------|---|
| Z4 | Dead, dying, diseased or declining |
| Z5 | Severe damage and/or structural defects where a high risk of failure <u>cannot</u> be satisfactorily reduced by reasonable remedial care, i.e. cavities, decay, included bark, wounds, excessive imbalance, overgrown and vulnerable to adverse weather conditions, etc |
| Z6 | Instability, i.e. poor anchorage, increased exposure, etc |

Excessive nuisance: Trees that are likely to be removed within 10 years because of unacceptable impact on people

| | |
|-----------|--|
| Z7 | Excessive, severe and intolerable inconvenience to the extent that a locally recognized court or tribunal would be likely to authorize removal, i.e. dominance, debris, interference, etc |
| Z8 | Excessive, severe and intolerable damage to property to the extent that a locally recognized court or tribunal would be likely to authorize removal, i.e. severe structural damage to surfacing and buildings, etc |

Good management: Trees that are likely to be removed within 10 years through responsible management of the tree population

| | |
|------------|---|
| Z9 | Severe damage and/or structural defects where a high risk of failure can be <u>temporarily</u> reduced by reasonable remedial care, i.e. cavities, decay, included bark, wounds, excessive imbalance, vulnerable to adverse weather conditions, etc |
| Z10 | Poor condition or location with a low potential for recovery or improvement, i.e. dominated by adjacent trees or buildings, poor architectural framework, etc |
| Z11 | Removal would benefit better adjacent trees, i.e. relieve physical interference, suppression, etc |
| Z12 | Unacceptably expensive to retain, i.e. severe defects requiring excessive levels of maintenance, etc |

NOTE: Z trees with a high risk of death/failure (Z4, Z5 & Z6) or causing severe inconvenience (Z7 & Z8) at the time of assessment and need an urgent risk assessment can be designated as ZZ. ZZ trees are likely to be unsuitable for retention and at the bottom of the categorization hierarchy. In contrast, although Z trees are not worthy of influencing new designs, urgent removal is not essential and they could be retained in the short term, if appropriate.

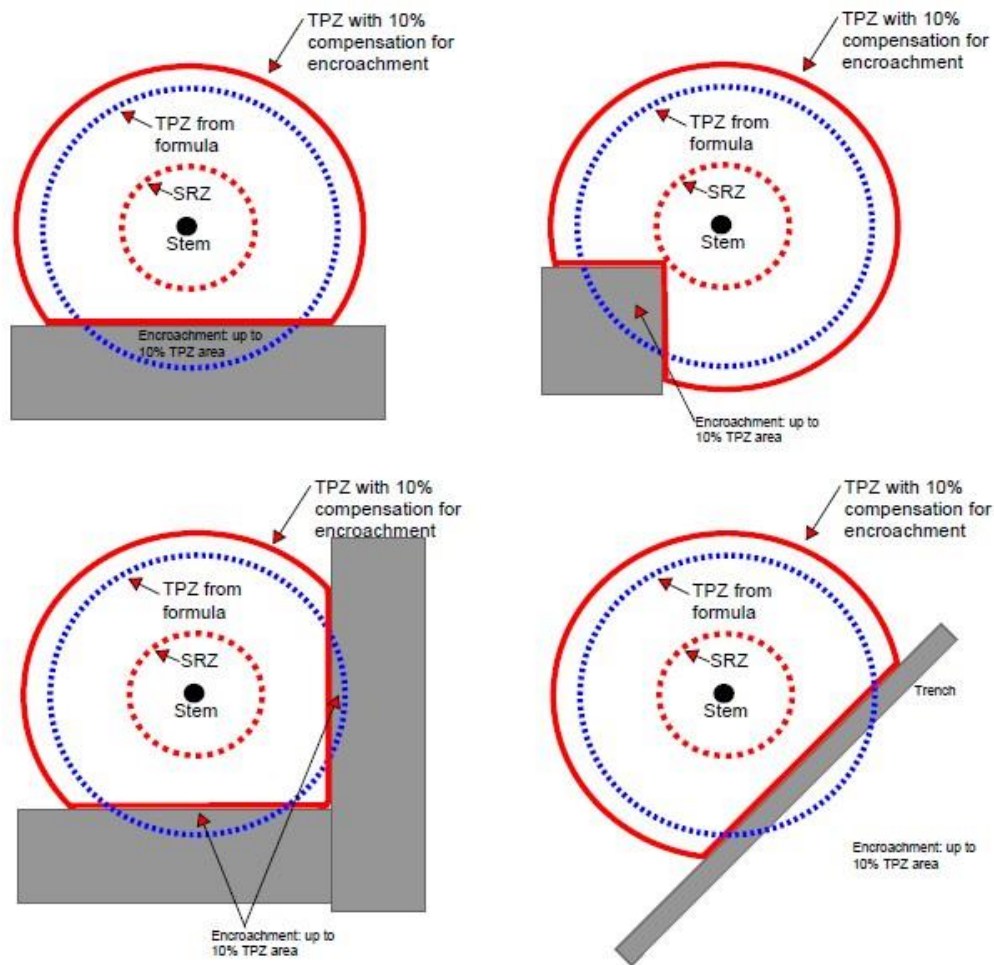
Category A: Important trees suitable for retention for more than 10 years and worthy of being a material constraint

| | |
|-----------|--|
| A1 | No significant defects and could be retained with minimal remedial care |
| A2 | Minor defects that could be addressed by remedial care and/or work to adjacent trees |
| A3 | Special significance for historical, cultural, commemorative or rarity reasons that would warrant extraordinary efforts to retain for more than 10 years |
| A4 | Trees that may be worthy of legal protection for ecological reasons (Advisory requiring specialist assessment) |

NOTE: Category A1 trees that are already large and exceptional, or have the potential to become so with minimal maintenance, can be designated as AA at the discretion of the assessor. Although all A and AA trees are sufficiently important to be material constraints, AA trees are at the top of the categorization hierarchy and should be given the most weight in any selection process.

Appendix 10 – Examples of TPZ Encroachment

Encroachment into the Tree Protection Zone is sometimes unavoidable. The following diagram shows examples of acceptable levels of encroachment and how they may be compensated for by providing additional space contiguous to the TPZ area.



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