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# IRONBARK
Environmental Arboriculture

# Arboricultural Impact Assessment and Amendment

Belgrave Heights Christian School
20 Wattle Valley Rd
Belgrave VIC 3160

Prepared by


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Commissioned by

Millar Merrigan

21st September 2023

Revision B


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# Contents



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| Version Title | Action | Staff | Date |
|---|---|---|---|
| 20 Wattle Valley Rd – AIA and Amendment – V1 | Prepared | PD | 21/09/2023 |
| 20 Wattle Valley Rd – AIA and Amendment – V2 | Reviewed | GH | 21/09/2022 |
| 20 Wattle Valley Rd – AIA and Amendment - FINAL | Proofed | IF | 22/09/2023 |
| 20 Wattle Valley Rd – AIA and Amendment - FINAL- REVB | Amended | IF | 28/11/2023 |

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## Introduction

Millar Merrigan has commissioned Ironbark Environmental Arboriculture (IEA) to provide an arboricultural impact assessment in response to a Request for Further Information (RFI) from Yarra Ranges Council.

This report references the following documents:

- *Arboricultural impact assessment*, prepared by Ironbark Environmental Arboriculture, 10th November 2022
- *RFI, Application for Planning Permit PA 2302062, 20 Wattle Valley Road BELGRAVE 3160,* 27/02/2023

The RFI requested assessment of all trees on neighbouring properties within four (4) meters of the boundary fence line, and greater detail around the arboricultural impacts proposed upon tree #3.

## Methods

On the 4th August, 2023, Patrick Dyson of IEA collected data for fourteen (14) additional trees at 20 Wattle Valley Road in Belgrave Heights. Additional trees have been numbered as a continuation of the trees initially assessed at the site.

There were two hundred and forty-six (246) trees previously assessed and included in the Arboricultural Impact Assessment referred to in this report.

## Summary

This report contains the following information:

- *Arboricultural impact assessment* of tree #3, prepared with reference to AS 4970-2009 Protection of Trees on Development Sites.
- Amendment for additional 3rd-party trees.

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The findings of this report were as follows:

- Six (6) trees have *high* retention values.
- Six (6) trees have *medium* retention values.
- Two (2) trees have *low* retention values.
- There were no encroachments from the proposed design

Arboricultural impacts are assessed with reference to the following documents:

- Final plans - *20054_Belgrave Heights CS_VCE Prelim DA - 2022.09.07*

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## Planning Context

The site is within the Yarra Ranges Shire and is zoned as *Low-Density Residential Zone* (LDRZ); and is covered by the *Significant Landscape Overlay – Schedule 22 (SLO22)*.

The site is greater than 4,000m2, therefore vegetation removal is subject to assessment against Clause 52.17 *Native Vegetation*.

DELWP mapping (NatureKit 2.0) shows patches of *Herb Rich Foothill Forest* (EVC 23) present on site with *Eucalyptus radiata, obliqua* and *cypellocarpa* as being characteristic of the site.

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Tree Overview Map

Projection GDA 94 / MGA Zone 55

Adapted from IEA GPS data and Nearmaps image dated 4/02/2022

0 10 20 40 Meters

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## Arboricultural Impact Assessment – Major encroachments

The proposed design requires a *major* encroachment (>10%) into the TPZ of tree #3, but outside of the SRZ.

Major encroachment into TPZ is subject to tree species, health and structure before determining viability with the proposed design.

| ID | Common Name | Species | Height (m) | Width (m) | DBH (cm) | DAB (cm) | Health | Structure | ULE | Visual Amenity Value | Retention Value | TPZ (m) | SRZ (m) | Recommendation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Radiata Pine | *Pinus radiata* | 28 | 8 | 98 | 106 | Good | Good | >10 years | High | High | 11.8 | 3.4 | Major encroachment 24.5% |

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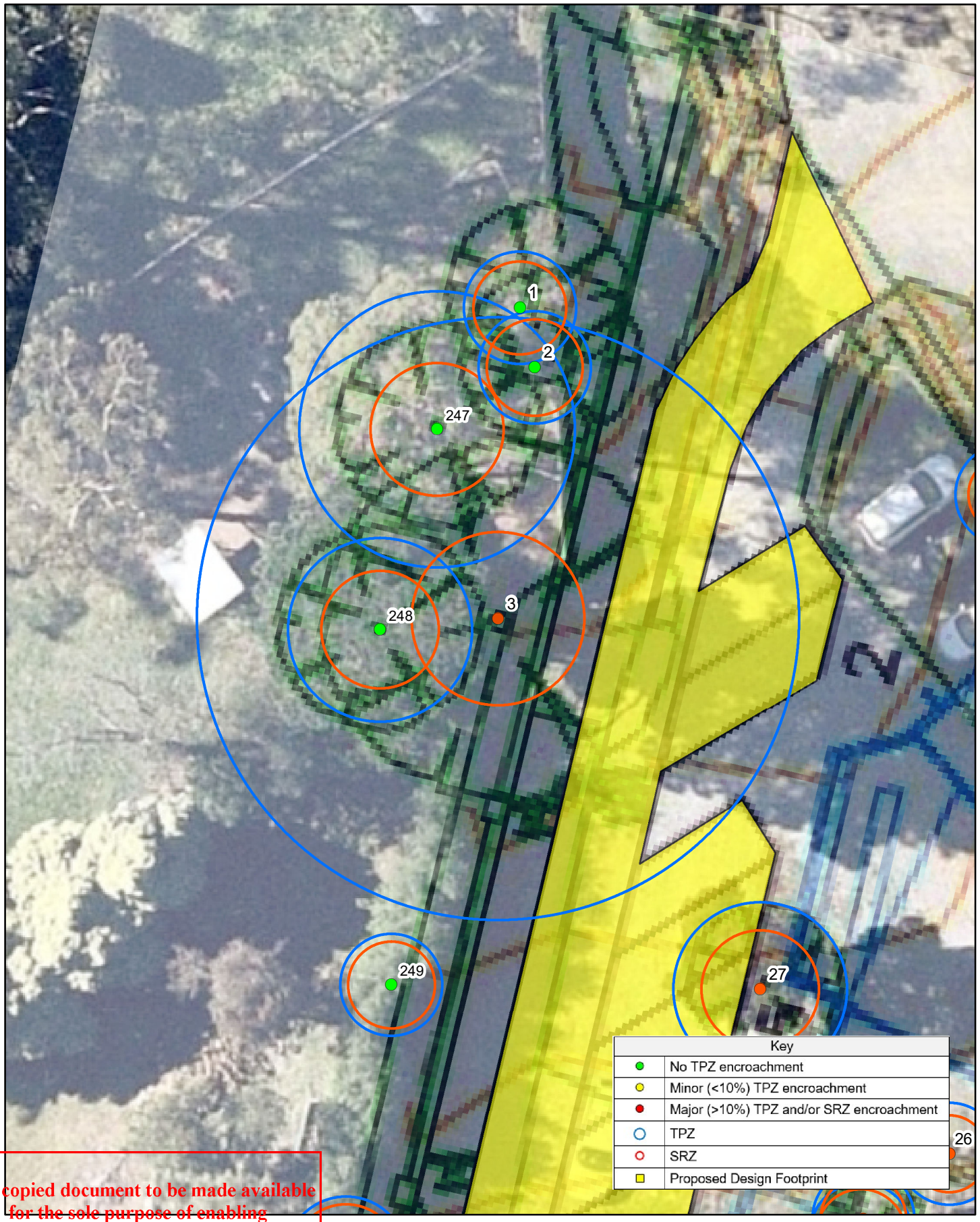


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Tree #3 Impact Map

Projection GDA 94/ MGA Zone 55

Adapted from IFA GPS data, Nearmaps image dated 4/02/2022 and *20054_Belgrave Heights CS_VCE Prelim DA - 2022.09.07*

0 2.5 5 10 Meters

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The following trees have no encroachment into their TPZ with the proposed design and can be retained with suitable tree protection measures in place for the duration of the development.

| ID | Common Name | Species | Height (m) | Width (m) | DBH (cm) | DAB (cm) | Health | Structure | ULE | Visual Amenity Value | Retention Value | Comments | TPZ | SRZ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 247 | Spotted Gum | *Corymbia maculata* | 20 | 8 | 45 | 55 | Good | Good | >10 years | Medium | High – 3rd Party | | 5.4 | 2.6 |
| 248 | Blackwood | *Acacia melanoxylon* | 13 | 6 | 30 | 40 | Poor | Fair | <3 years | Low | High – 3rd Party | | 3.6 | 2.3 |
| 249 | James Stirling | *Pittosporum tennuifolium* | 6 | 15 | 8 | 20 | Good | Good | >10 years | Medium | High – 3rd Party | Hedgerow of 12 trees | 2.0 | 1.7 |
| 250 | Blackwood | *Acacia melanoxylon* | 8 | 5 | 20 | 35 | Good | Fair | >3 - <10 years | Medium | High – 3rd Party | | 2.4 | 2.1 |
| 251 | Black Sheoak | *Allocasuraina littoralis* | 17 | 6 | 25 | 40 | Good | Good | >10 years | High | High – 3rd Party | | 3.0 | 2.3 |
| 252 | Lilly Pilly | *Syzygium smithii* | 4 | 20 | 6 | 15 | Good | Good | >10 years | Low | High – 3rd Party | Hedgerow of 17 trees | 2.0 | 1.5 |
| 253 | Desert Ash | *Fraxinus angustifolia* | 12 | 9 | 32 | 48 | Good | Good | >10 years | Medium | High – 3rd Party | | 3.8 | 2.4 |
| 254 | James Stireling | *Pittosporum tennuifolium* | 7 | 15 | 8 | 16 | Good | Fair | >10 years | Medium | High – 3rd Party | Hedgerow of 8 trees | 2.0 | 1.5 |
| 255 | Desert Ash | *Fraxinus angustifolia* | 13 | 10 | 45 | 60 | Good | Good | >10 years | High | High – 3rd Party | | 5.4 | 2.7 |
| 256 | Southern Mahogany | *Eucalyptus botryoides* | 24 | 14 | 65 | 85 | Good | Good | >10 years | High | High – 3rd Party | | 7.8 | 3.1 |
| 257 | Wild Cherry | *Prunus americana* | 4 | 3 | 8 | 15 | Good | Good | >3 - <10 years | Low | High – 3rd Party | | 2.0 | 1.5 |
| 258 | Yellow Box | *Eucalyptus melliodora* | 14 | 8 | 35 | 50 | Fair | Fair | >3 - <10 years | Medium | High – 3rd Party | | 4.2 | 2.5 |
| 259 | Dead Gum | *Eucalyptus sp.* | 10 | 5 | 30 | 40 | Dead | Fair | <3 years | Low | High – 3rd Party | | 3.6 | 2.3 |
| 260 | Yellow Box | *Eucalyptus melliodora* | 14 | 6 | 35 | 50 | Fair | Fair | >3 - <10 years | Medium | High – 3rd Party | | 4.2 | 2.5 |

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# Tree Encroachment Map

Projection GDA 94/ MGA Zone 55

Adapted from IEA GPS data,
Nearmaps image dated 4/02/2022 and
*20054_Belgrave Heights CS_VCE Prelim DA - 2022.09.07*

0 10 20 40 Meters

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## Arboricultural Impact Assessment Summary

| Retention Value | Recommendation | Total |
|---|---|---|
| High | Major encroachment 24.5% | 1 |
| | No Encroachment | 6 |
| **High Total** | | **7** |
| Low | No Encroachment | 2 |
| **Low Total** | | **2** |
| Medium | No Encroachment | 6 |
| **Medium Total** | | **6** |
| Grand Total | | 15 |

| Count of Recommendation | Total |
|---|---|
| Major encroachment 24.5% | 1 |
| No Encroachment | 14 |
| **Grand Total** | **15** |

In summary of the above tables:

- There is one (1) *High* retention value trees with a *major* TPZ encroachment, tree #3.
- There are fourteen (14) trees with no TPZ encroachments, trees #247 – 260.

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## Discussion

There are no encroachments for trees #247 – 260, they will remain viable with tree protection measures in place throughout the development.

Tree #3 has a *major encroachment* into 24.5% of the TPZ. This is a significant and irregularly shaped encroachment over a significant portion of the TPZ. The existing *major* encroachment is in the form of a gravel driveway. This will significantly compact the soil within the TPZ and inhibit root growth.

Soil bulk density (SBD) is the mass of soil per unit volume and is often used as a measure of compaction (ISA 2014, p.149). At bulk densities of approximately 1.6g/cm3 soils are regarded as limiting to root penetration (Roberts et al.2006, p.19).

The repeated transit of vehicles in the informal car parks is likely to have compacted the soil to a bulk density that is limiting to root penetration.

With reference to AS 4970-2009 - *Protection of Trees on Development Sites, 3.3.4 TPZ encroachment considerations, (g) The presence of existing or past structures or obstacles affecting root growth*; the level of compaction of the existing gravel driveway is considered to be an obstacle to root growth.

The encroachment, whilst *major*, does not extend into the SRZ. It is not expected that there will be a high density of water-absorbing, or structural roots within the encroachment area.

However, given the extent of the encroachment and that *Pinus radiata* can have shallow root systems, a Non-Destructive Dig (NDD) should be conducted to investigate the extent of the root system present in the encroachment area.

The results of the NDD should determine the viability of tree #3 to withstand the encroachment from the proposed design.

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## Recommendations

- Undertake an NDD and root mapping for tree #3 to assess the extent of the roots within the encroachment area.
- Commission a *tree protection management plan* for trees to be retained prior to commencement of works, inclusive of additional tree #247 – 260.
- Fauna impact mitigation services will be required for trees requiring removal.

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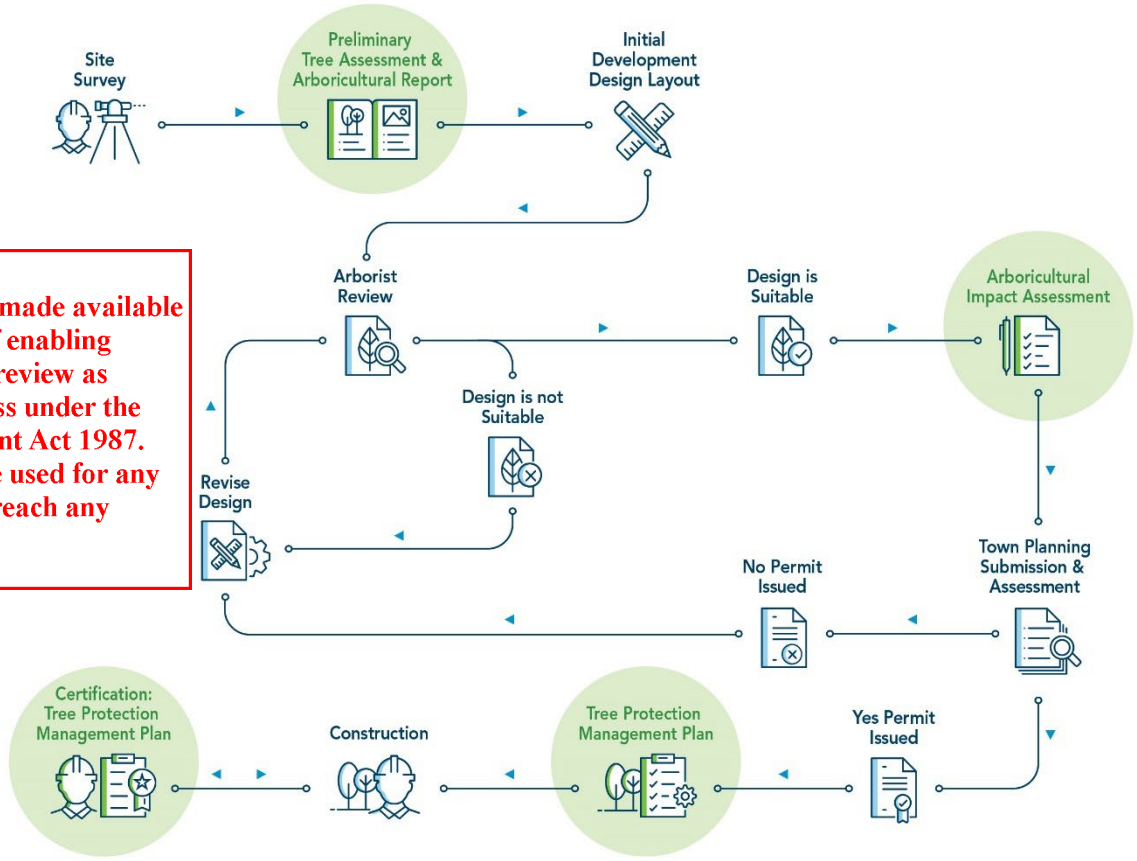
## Arboricultural Impact Assessment Reporting Guidelines Flowchart

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Reporting Guidelines Flowchart by Council Arboriculture Victoria Inc. licensed under CC BY-ND.

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## Tree Assessment Descriptors

| Origin | |
|---|---|
| Indigenous | The species is characteristic of the current extent or pre-1750 ecological vegetation class (EVC) mapping for the assessment area.<br>The species is native to Victoria and occurs naturally in this location. |
| Native | The species is native to the state of Victoria. |
| Australian | The species is native to Australia but does not occur naturally within Victoria. |
| Exotic | The species does not naturally occur within Australia. |

| Health | |
|---|---|
| Good | The tree displays 71-100% live canopy mass and has near-optimal foliage characteristics in size, colour and density.<br><br>The tree may have deadwood in the interior canopy.<br><br>The tree may exhibit a low level of pest/pathogen infestation.<br><br>It is expected that the tree will maintain its condition of health without intervention. |
| Fair | The tree displays 51-70% live canopy mass, and the foliage may be stunted or partly discoloured.<br><br>The tree may display some dieback of the peripheral canopy.<br><br>The tree may exhibit a medium-level pest/pathogen infestation.<br><br>With intervention, it is expected that the tree will improve its condition of health |
| Poor | The tree displays < 50% live canopy mass and the foliage is completely discoloured, dying or both.<br><br>The tree has extensive dieback of the peripheral canopy.<br><br>The tree has extensive pest/pathogen infestation.<br><br>The tree is unlikely to improve its condition of health even with intervention. |
| Dead | The tree has no live vascular tissue. |

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| Structure | |
|---|---|
| Good | Tree has well-formed unions.<br><br>there are no signs of decay in either the trunk and/or 1st order branches.<br><br>The tree has good trunk and 1st order branch taper and is displaying pronounced reactive wood growth, indicating it has adapted to its location<br><br>tree may exhibit structural defects on either the 2nd or 3rd order branches or both.<br><br>Structural defects can be remediated by pruning as per *AS 4373-2007 Pruning of Amenity Trees* |
| Fair | The tree may have included bark between unions but is not showing signs of cracking or splitting.<br><br>The tree may have signs of decay in either the trunk, the 1storder branches or both<br><br>The tree may have a suboptimal taper in either the trunk, 1st order branches or both and is displaying some reactive wood growth, indicating it has not fully adapted to its location.<br><br>Structural defects can be mitigated but not remediated by pruning as per *AS 4373-2007 Pruning of Amenity Trees.* |
| Poor | The tree may have extensive included bark, is showing signs of splitting and/or there is decay in the unions<br><br>There is evidence of extensive decay in either the trunk, the 1st order branches or both<br><br>The tree has a poor taper in the trunk, and 1st order branches or both, indicating either exposure to new conditions or a poor condition of health and that the tree does not have the resources to allocate to reactive wood growth<br><br>Structural defects cannot be mitigated by pruning as per *AS 4373- 2007 Pruning of Amenity Trees* |

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| Visual Amenity Value | |
|---|---|
| High | The tree is large (more than 12 m in height).<br><br>The tree is easily visible from the outside of the subject site.<br><br>The tree makes a significant aesthetic contribution to the subject site as well as the broader landscape. |
| Medium | The tree is medium-sized (8m to 12 m in height).<br><br>The tree is partly visible from the outside of the subject site.<br><br>The tree makes some aesthetic contribution to the subject site as well as the broader landscape. |
| Low | The tree is small (Less than 8m in height)<br><br>The tree makes a minimal aesthetic contribution to the subject or the broader landscape. |

| Useful Life Expectancy | |
|---|---|
| >10 years | The tree has *good* health and *good* structure and is expected to maintain its condition of health and structure without intervention for greater than ten (10) years. |
| >3 and <10 years | The tree has *fair* to *good* health and *fair* to *good* structure and is expected to maintain its condition of health and structure without intervention for more than three (3) years. Without intervention, the tree is expected to decline in health, structure or both within ten (10) years. |
| <3 years | Tree has either *poor* health or *poor* structure, or both<br><br>Without intervention, the tree is expected to decline in health, structure or both within three (3) years. |

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| Arboricultural Retention Value |
|---|
| Arboricultural retention values are based on the trees' health, structure and visual amenity value (matrix below). Biodiversity, habitat and heritage values are not included in determining the arboricultural retention value, where relevant these are addressed in the *Preliminary Tree Assessment Discussion*. |

| Arboricultural Retention Value Matrix |
|---|

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Health | Good +2 | Good +2 | Good +2 | Fair +1 | Fair +1 | Fair +1 | Poor -1 | Poor -1 | Poor -1 |
| Structure | Good +2 | Fair +1 | Poor -1 | Good +2 | Fair +1 | Poor -1 | Good +2 | Fair +1 | Poor -1 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Combined Health and Structure Score** | **4** | **3** | **1** | **3** | **2** | **0** | **1** | **0** | **0** |

| | | | |
|---|---|---|---|
| **Visual Amenity Value Score** | **High +2** | **Medium +1** | **Low +0** |

| Total Score | Arboricultural Retention Value |
|---|---|
| **5 to 6** | **High** |
| **3 to 4** | **Medium** |
| **0 to 2** | **Low** |

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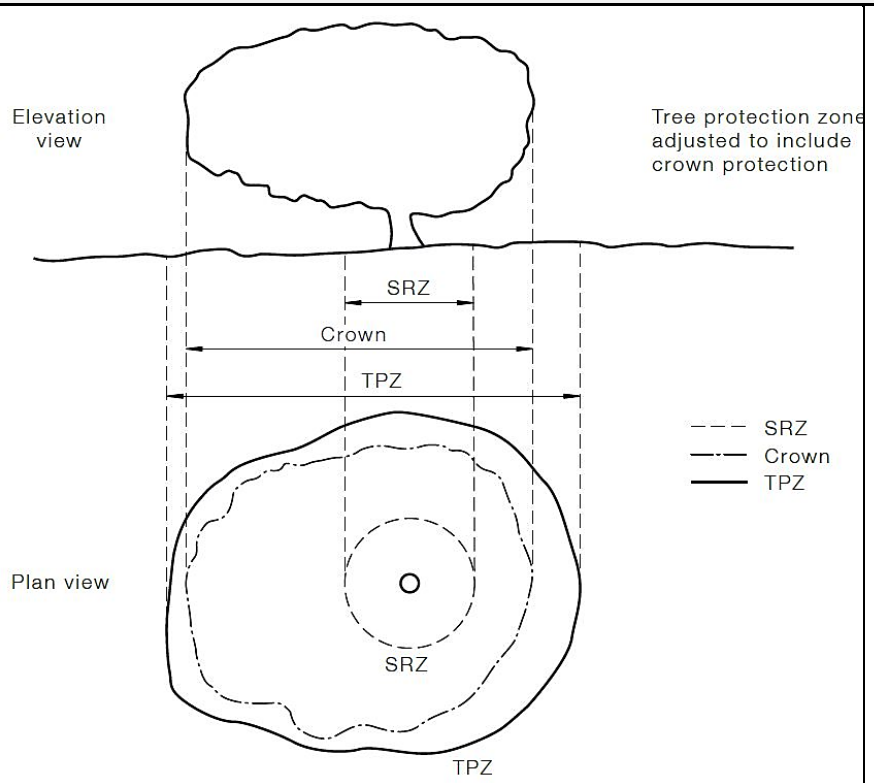
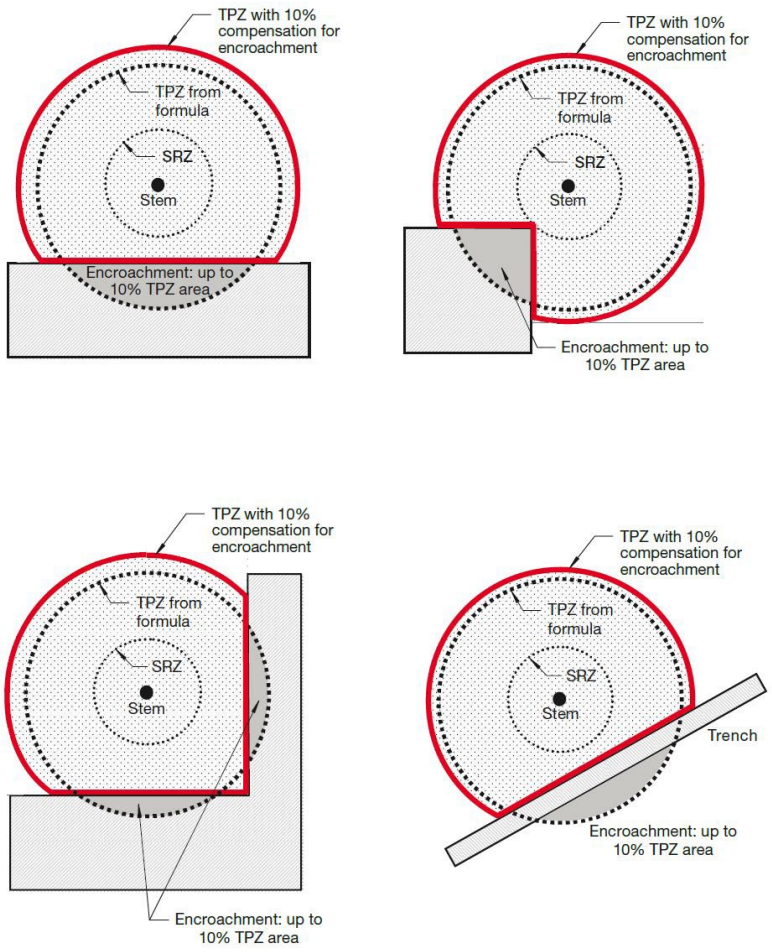
## TPZ, SRZ and Encroachments

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## Glossary of Arboricultural Terms

| | |
|---|---|
| Tree protection zone (TPZ) | In accordance with *AS 4970-2009 Protection of Trees on Development Sites,* the trunk diameter measured at 1.4 m above ground level is used to calculate the tree protection zone (TPZ).<br><br>The TPZ is a specified area above and below ground and at a given distance from the trunk set aside for the protection of a tree's root and crown. |

| | |
|---|---|
| Structural root zone (SRZ) | In accordance with *AS 4970-2009 Protection of Trees on Development Sites,* the SRZ is calculated from the diameter of the trunk above the root buttress.<br><br>The SRZ is the area required for tree stability. This is the area where structural woody roots are likely to occur. |

| | |
|---|---|
| Major encroachment | The proposed encroachment is more than 10% of the TPZ area, inside SRZ or both. |

| | |
|---|---|
| Minor encroachment | The proposed encroachment is less than 10% of the TPZ area and outside the SRZ. |

| | |
|---|---|
| Epicormic shoot | Regrowth shoots which are produced from latent buds and are commonly less strongly attached than original branches. |

| | |
|---|---|
| Bark inclusion | Inwardly turned bark within the union of branches or codominant (twin) trunks. In some circumstances, included bark can reduce the structural integrity of a branch or trunk union. |

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## Expertise to Provide Consultancy Services

I have over twenty (20) years of experience in arboricultural and ecological industries, including over sixteen (16) years of consultancy.
I have training and experience in the collection of biological samples and data for scientific research. I have co-authored papers published in peer-reviewed scientific journals.

My qualifications, experience and expertise are in the fields of arboriculture, planning and wildlife biology, which ensures that I am qualified to make informed independent assessments of issues pertaining to the management of vegetation and associated fauna.

Yours Sincerely

Grant Harris
Director and Principal Consultant

## References

Standards Australia, *AS 4970-2009 Protection of Trees on Development Sites,* SAI Global.

Roberts, J., Jackson, N. & Smith, M. (2006) Tree Roots in the Built Environment, The Stationery Office, Department of Communities and Local Government, UK.

International Society of Arboriculture (2015) Glossary of Arboricultural Terms.

Standards Australia, AS 4970-2009 Protection of Trees on Development Sites, SAI Global.

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| | |
|---|---|
| **Tree ID:** | 247 |
| **Botanical Name:** | *Corymbia maculata* |
| **Common Name:** | Spotted Gum |
| **Origin:** | Australian |
| **Height (m):** | 20 |
| **Width (m):** | 8 |
| **DBH (cm)** | 45 |
| **Diameter at base (cm):** | 55 |
| **Health:** | Good |
| **Structure:** | Good |
| **ULE:** | >10 years |
| **Visual Amenity Value:** | Medium |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 5.40 |
| **SRZ Radius (m):** | 2.57 |
| **Comments:** | |

| | |
|---|---|
| **Tree ID:** | 248 |
| **Botanical Name:** | *Acacia melanoxylon* |
| **Common Name:** | Blackwood |
| **Origin:** | Indigenous |
| **Height (m):** | 13 |
| **Width (m):** | 6 |
| **DBH (cm)** | 30 |
| **Diameter at base (cm):** | 40 |
| **Health:** | Poor |
| **Structure:** | Fair |
| **ULE:** | <3 years |
| **Visual Amenity Value:** | Low |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 3.60 |
| **SRZ Radius (m):** | 2.25 |
| **Comments:** | |

| | |
|---|---|
| **Tree ID:** | 249 |
| **Botanical Name:** | *Pittosporum tennuifolium* |
| **Common Name:** | James Stirling |
| **Origin:** | Exotic |
| **Height (m):** | 6 |
| **Width (m):** | 15 |
| **DBH (cm)** | 8 |
| **Diameter at base (cm):** | 20 |
| **Health:** | Good |
| **Structure:** | Good |
| **ULE:** | >10 years |
| **Visual Amenity Value:** | Medium |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 2.00 |
| **SRZ Radius (m):** | 1.68 |
| **Comments:** | Hedgerow of 12 trees |

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IRONBARK Environmental Arboriculture

| | |
|---|---|
| **Tree ID:** | 250 |
| **Botanical Name:** | *Acacia melanoxylon* |
| **Common Name:** | Blackwood |
| **Origin:** | Indigenous |
| **Height (m):** | 8 |
| **Width (m):** | 5 |
| **DBH (cm)** | 20 |
| **Diameter at base (cm):** | 35 |
| **Health:** | Good |
| **Structure:** | Fair |
| **ULE:** | >3 - <10 years |
| **Visual Amenity Value:** | Medium |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 2.40 |
| **SRZ Radius (m):** | 2.13 |
| **Comments:** | |

| | |
|---|---|
| **Tree ID:** | 251 |
| **Botanical Name:** | *Allocasuraina littoralis* |
| **Common Name:** | Black Sheoak |
| **Origin:** | Victorian |
| **Height (m):** | 17 |
| **Width (m):** | 6 |
| **DBH (cm)** | 25 |
| **Diameter at base (cm):** | 40 |
| **Health:** | Good |
| **Structure:** | Good |
| **ULE:** | >10 years |
| **Visual Amenity Value:** | High |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 3.00 |
| **SRZ Radius (m):** | 2.25 |
| **Comments:** | |

| | |
|---|---|
| **Tree ID:** | 252 |
| **Botanical Name:** | *Syzygium smithii* |
| **Common Name:** | Lilly Pilly |
| **Origin:** | Australian |
| **Height (m):** | 4 |
| **Width (m):** | 20 |
| **DBH (cm)** | 6 |
| **Diameter at base (cm):** | 15 |
| **Health:** | Good |
| **Structure:** | Good |
| **ULE:** | >10 years |
| **Visual Amenity Value:** | Low |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 2.00 |
| **SRZ Radius (m):** | 1.49 |
| **Comments:** | Hedgerow of 17 trees |

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IRONBARK Environmental Arboriculture

| | |
|---|---|
| **Tree ID:** | 253 |
| **Botanical Name:** | *Fraxinus angustifolia* |
| **Common Name:** | Desert Ash |
| **Origin:** | Exotic |
| **Height (m):** | 12 |
| **Width (m):** | 9 |
| **DBH (cm)** | 32 |
| **Diameter at base (cm):** | 48 |
| **Health:** | Good |
| **Structure:** | Good |
| **ULE:** | >10 years |
| **Visual Amenity Value:** | Medium |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 3.84 |
| **SRZ Radius (m):** | 2.43 |
| **Comments:** | |

| | |
|---|---|
| **Tree ID:** | 254 |
| **Botanical Name:** | *Pittosporum tennuifolium* |
| **Common Name:** | James Stirling |
| **Origin:** | Exotic |
| **Height (m):** | 7 |
| **Width (m):** | 15 |
| **DBH (cm)** | 8 |
| **Diameter at base (cm):** | 16 |
| **Health:** | Good |
| **Structure:** | Fair |
| **ULE:** | >10 years |
| **Visual Amenity Value:** | Medium |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 2.00 |
| **SRZ Radius (m):** | 1.53 |
| **Comments:** | Hedgerow of 8 trees |

| | |
|---|---|
| **Tree ID:** | 255 |
| **Botanical Name:** | *Fraxinus angustifolia* |
| **Common Name:** | Desert Ash |
| **Origin:** | Exotic |
| **Height (m):** | 13 |
| **Width (m):** | 10 |
| **DBH (cm)** | 45 |
| **Diameter at base (cm):** | 60 |
| **Health:** | Good |
| **Structure:** | Fair |
| **ULE:** | >10 years |
| **Visual Amenity Value:** | High |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 5.40 |
| **SRZ Radius (m):** | 2.67 |
| **Comments:** | |

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ADVERTISED PLAN

IRONBARK Environmental Arboriculture

| | |
|---|---|
| **Tree ID:** | 256 |
| **Botanical Name:** | *Eucalyptus botryoides* |
| **Common Name:** | Southern Mahogany |
| **Origin:** | Victorian |
| **Height (m):** | 24 |
| **Width (m):** | 14 |
| **DBH (cm)** | 65 |
| **Diameter at base (cm):** | 85 |
| **Health:** | Good |
| **Structure:** | Good |
| **ULE:** | >10 years |
| **Visual Amenity Value:** | High |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 7.80 |
| **SRZ Radius (m):** | 3.09 |
| **Comments:** | |

| | |
|---|---|
| **Tree ID:** | 257 |
| **Botanical Name:** | *Prunus americana* |
| **Common Name:** | Wild Plum |
| **Origin:** | Exotic |
| **Height (m):** | 4 |
| **Width (m):** | 3 |
| **DBH (cm)** | 8 |
| **Diameter at base (cm):** | 15 |
| **Health:** | Good |
| **Structure:** | Good |
| **ULE:** | >3 - <10 years |
| **Visual Amenity Value:** | Low |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 2.00 |
| **SRZ Radius (m):** | 1.49 |
| **Comments:** | |

| | |
|---|---|
| **Tree ID:** | 258 |
| **Botanical Name:** | *Eucalyptus melliodora* |
| **Common Name:** | Yellow Box |
| **Origin:** | Victorian |
| **Height (m):** | 14 |
| **Width (m):** | 8 |
| **DBH (cm)** | 35 |
| **Diameter at base (cm):** | 50 |
| **Health:** | Fair |
| **Structure:** | Fair |
| **ULE:** | >3 - <10 years |
| **Visual Amenity Value:** | Medium |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 4.20 |
| **SRZ Radius (m):** | 2.47 |
| **Comments:** | |

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ADVERTISED PLAN

IRONBARK Environmental Arboriculture

| | |
|---|---|
| **Tree ID:** | 259 |
| **Botanical Name:** | *Eucalyptus sp.* |
| **Common Name:** | Gum |
| **Origin:** | Australian |
| **Height (m):** | 10 |
| **Width (m):** | 5 |
| **DBH (cm)** | 30 |
| **Diameter at base (cm):** | 40 |
| **Health:** | Dead |
| **Structure:** | Fair |
| **ULE:** | <3 years |
| **Visual Amenity Value:** | Low |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 3.60 |
| **SRZ Radius (m):** | 2.25 |
| **Comments:** | |

| | |
|---|---|
| **Tree ID:** | 260 |
| **Botanical Name:** | *Eucalyptus melliodora* |
| **Common Name:** | Yellow Box |
| **Origin:** | Victorian |
| **Height (m):** | 14 |
| **Width (m):** | 6 |
| **DBH (cm)** | 35 |
| **Diameter at base (cm):** | 50 |
| **Health:** | Fair |
| **Structure:** | Fair |
| **ULE:** | >3 - <10 years |
| **Visual Amenity Value:** | Medium |
| **Retention Value:** | High - 3rd Party |
| **TPZ Radius (m):** | 4.20 |
| **SRZ Radius (m):** | 2.47 |
| **Comments:** | |

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