

Addendum Ecological Impact Assessment

Date: 25 September 2024
Project name: Lilydale Waste to Energy
Project no: IA2709DJ
Attention: Ronan Daly
Company: Jacobs
Prepared by: Liza James

Floor 13, 452 Flinders Street
Melbourne, VIC 3000
PO Box 312, Flinders Lane
Melbourne, VIC 8009
Australia
T +61 3 8668 3000
F +61 3 8668 3001
www.jacobs.com

1. Introduction

This memorandum is an Addendum to the Lilydale Waste to Energy - Ecological Impact Assessment (Jacobs 2023). It provides an impact assessment for the removal of additional native vegetation necessary for the construction of the swale drain and the rail trail crossing as part of the Yarra Valley Water (YVW) Waste to Energy facility.

2. Past Removal

Approval to remove native vegetation has previously been granted according to the Notice of Decision to Grant a Permit application No: PA2201903 Condition number 26,27 and 28 and in accordance with the extent specified in the Native Vegetation Removal report JAC_2023_028 dated 26/04/2023. The total area of native vegetation permitted to be removed is 0.180 hectares.

To offset the removal of 0.180 hectares of native vegetation, YVW has secured native vegetation offsets, in accordance with the *Guidelines for the removal, destruction or lopping of native vegetation* (DELWP 2017) as specified below:

A general offset of 0.054 general habitat units:

- a. Port Phillip and Westernport Catchment Management Authority (CMA) or Yarra Ranges Shire Council;
- b. with a minimum Strategic Biodiversity Value score of at least 0.509.

3. Proposed removal

This addendum provides information on the additional native vegetation proposed to be removed, which is regulated under the Victorian *Planning and Environment Act 1987*, specifically Clause 52.17, regarding applications to remove, destroy or lop native vegetation, and as directed by the *Guidelines for the Removal, Destruction, or Lopping of Native Vegetation* (DELWP 2017) (The Guidelines).

As per the relevant legislative instruments, where the project cannot avoid or minimise the loss of additional native vegetation, it will need to seek to offset that loss. Demonstration of the project's process to avoid, minimise and/or offset native vegetation is required to support an application for a planning approval to remove the native vegetation, as provided herein.

**ADVERTISED
PLAN**

ADVERTISED PLAN

Memorandum

3.1 Impact to native vegetation

Native vegetation within the new proposed development impact footprint is Creekline Herb-rich Woodland (Ecological Vegetation Class (EVC) 164), which holds a Vulnerable Biodiversity Conservation Status (BCS) in the Highlands - Southern Fall bioregion. Impacts to EVC 164 occurs as two patches, HZ01b and HZ02a both with a Habitat Score of 20/100. An isolated Small Scattered Tree (DBH 40 cm), Eucalyptus species, was present with its Tree Protection Zone (TPZ) overlapping the proposed impact footprint (See Appendix A).

To address the avoidance and minimise requirements under the Guidelines, Ironbark Environmental Arboriculture (IEA) were engaged to provide an arboricultural impact assessment for trees potentially impacted by the proposed access road and swale drain. The results are summarised in the Arboricultural Impact Assessment Lilydale Waste to Energy Facility report (Appendix D). The below table summarises the relevant trees in the area to address the *Planning and Environment Act 1987*, specifically Clause 52.17, regarding applications to remove, destroy or lop native vegetation, and as directed by the Guidelines (DELWP 2017).

Table 1: Trees assessment summary and retention status

| Tree ID | Species | DBH (cm) | Tree Protection Zone (m) | Impact | Tree Type | Recommendations |
|---------|------------------------------|----------|--------------------------|-----------------|----------------------|--|
| 1 | <i>Eucalyptus ovata</i> | 60 | 7.2 | None | Small Scattered Tree | Fence off TPZ during construction |
| 2 | <i>Eucalyptus obliqua</i> | 35 | 6 | None | Large Scattered Tree | Fence off TPZ during construction |
| 7 | <i>Eucalyptus botryoides</i> | 75 | 9 | Major/Remove | Native/Planted | Wildlife handler/Ecologist to undertake pre-clearance check to ensure no fauna is present prior to removal that could be at risk of injury to address the <i>Wildlife Act 1975</i> |
| 8 | <i>Eucalyptus botryoides</i> | 90 | 10.8 | Impacted/Remove | Native/Planted | Wildlife handler/Ecologist to undertake pre-clearance check to ensure no fauna is present prior to removal that could be at risk of injury to address the <i>Wildlife Act 1975</i> |
| 9 | <i>Acacia melanoxyton</i> | 45 | 5.4 | Impacted/Remove | Large Shrub | - |
| 10 | <i>Acacia melanoxyton</i> | 10 | 2 | Impacted/Remove | Large Shrub | - |

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

ADVERTISED PLAN

Memorandum

| Tree ID | Species | DBH (cm) | Tree Protection Zone (m) | Impact | Tree Type | Recommendations |
|-----------|------------------------------|----------|--------------------------|-----------------|------------------------------|-----------------------------------|
| 11 | <i>Eucalyptus ovata</i> | 55 | 6.6 | Impacted/Remove | Immature Canopy Tree (HZ01b) | - |
| 13 | <i>Eucalyptus sp.</i> | 40 | 4.8 | Impacted/Remove | Small Scattered Tree | - |
| 18 | <i>Eucalyptus ovata</i> | 18 | 2.2 | Impacted/Remove | Immature Canopy Tree (HZ01b) | - |
| 19 | <i>Eucalyptus ovata</i> | 25 | 3.8 | Impacted/Remove | Immature Canopy Tree (HZ01b) | - |
| 20 | <i>Eucalyptus ovata</i> | 55 | 6.6 | Minor/Retain | Immature Canopy Tree (HZ01b) | Fence off TPZ during construction |
| 21 | <i>Eucalyptus ovata</i> | 10 | 2.6 | Impacted/Remove | Immature Canopy Tree (HZ01b) | - |
| 27 | <i>Eucalyptus botryoides</i> | 55 | 6.6 | Impacted/Remove | Native/Planted | - |
| 49 | <i>melanoxyton</i> | 24 | 2.9 | Impacted/Remove | Immature Canopy Tree (HZ02a) | - |
| 50 | <i>melanoxyton</i> | 18 | 2.2 | Impacted/Remove | Immature Canopy Tree (HZ02a) | - |
| 51 | <i>melanoxyton</i> | 10 | 2 | Impacted/Remove | Immature Canopy Tree (HZ02a) | - |
| 3/1 58 | <i>Acacia implexa</i> | 30 | 3.6 | Minor/Retain | Large Shrub | Fence off TPZ during construction |

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

ADVERTISED PLAN

Memorandum

| Tree ID | Species | DBH (cm) | Tree Protection Zone (m) | Impact | Tree Type | Recommendations |
|---------|------------------------------|----------|--------------------------|-----------------|-------------------------------|---|
| 4/1 55 | <i>Eucalyptus melliodora</i> | 115 | 13.8 | Minor/Retain | Large Scattered Tree | Fence off TPZ during construction |
| 5/1 54 | <i>Eucalyptus botryoides</i> | 80 | 9.6 | None | Planted Victorian | Fence off TPZ during construction |
| 6/1 51 | <i>Eucalyptus melliodora</i> | 115 | 13.8 | Minor/Retain | Large Scattered Tree | Fence off TPZ during construction |
| 120 | <i>Acacia dealbata</i> | 23 | 2.8 | None | Large Shrub | Fence off TPZ during construction |
| 122 | <i>Eucalyptus yarraensis</i> | 15 | 2 | None | Small Scattered Tree | Fence off TPZ during construction |
| 123 | <i>Acacia dealbata</i> | 21 | 2.5 | None | Large Shrub | Fence off TPZ during construction |
| 124 | <i>Eucalyptus yarraensis</i> | 16 | 2 | None | Small Scattered Tree | Fence off TPZ during construction (Critically endangered under the FFG Act) |
| 125 | <i>Eucalyptus yarraensis</i> | 10 | 2 | None | Small Scattered Tree | Fence off TPZ during construction (Critically endangered under the FFG Act) |
| 126 | <i>Acacia dealbata</i> | 16 | 2 | None | Large Shrub | Fence off TPZ during construction |
| 145 | <i>Eucalyptus sp.</i> | 65 | 7.8 | Impacted/Remove | Small Scattered Tree (Offset) | - |
| 146 | <i>Eucalyptus botryoides</i> | 90 | 10.8 | Major/Retain | Planted Victorian | Fence off TPZ during construction |
| 148 | <i>Eucalyptus melliodora</i> | 80 | 9.6 | None | Large Scattered Tree | Fence off TPZ during construction |
| 149 | <i>Eucalyptus melliodora</i> | 90 | 10.8 | Minor/Retain | Large Scattered Tree | Fence off TPZ during construction |

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

ADVERTISED PLAN

Memorandum

| Tree ID | Species | DBH (cm) | Tree Protection Zone (m) | Impact | Tree Type | Recommendations |
|---------|------------------------------|----------|--------------------------|--------------|----------------------|-----------------------------------|
| 150 | <i>Eucalyptus melliodora</i> | 85 | 10.2 | Minor/Retain | Large Scattered Tree | Fence off TPZ during construction |
| 152 | <i>Eucalyptus botryoides</i> | 75 | 9 | None | Planted Victorian | Fence off TPZ during construction |
| 153 | <i>Eucalyptus melliodora</i> | 15 | 2 | None | Small Scattered Tree | Fence off TPZ during construction |
| 156 | <i>Acacia melanoxydon</i> | 12 | 2 | None | Large Shrub | Fence off TPZ during construction |
| 159 | <i>Acacia melanoxydon</i> | 15 | 2 | None | Large Shrub | Fence off TPZ during construction |
| 160 | <i>Acacia melanoxydon</i> | 15 | 2 | None | Large Shrub | Fence off TPZ during construction |

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. This document must not be used for any purpose which may breach any copyright.

3.2 Policy and legislation

Planning and Environment Act 1987 (PE Act)

A permit is required for the additional removal of 0.011 ha of native vegetation patches EVC 164: Creekline Herb-rich Woodland including one Small Scattered Tree (Tree ID 13).

▪ The permit triggers DEECA has considered that apply to this application are:

- Clause 52.17 Native vegetation
- Clause 42.01 (Schedule 1) Environmental Significance Overlay
- Clause 42.03 (Schedule 2) Significance Landscape Overlay.

Catchment and Land Protection Act 1994 (CaLP Act)

Provide an updated Construction Environmental Management Plan (CEMP) if required.

Wildlife Act 1975 (Wildlife Act)

All native wildlife is protected in Victoria. It is an offence to kill, take, control or harm wildlife under the Wildlife Act. The Assessment Area is likely to support a variety of native fauna including birds, mammals and reptiles. It is unlikely these animals will be displaced during the removal of vegetation due to the minimal impacts proposed however for Tree ID 7 and 8 a wildlife handler/ecologist is to

ADVERTISED PLAN

Memorandum

undertake a pre-clearance check to ensure no fauna occurs in hollows prior to the removal of trees that could be at risk of injury during tree removal.

Guidelines for the removal, destruction or lopping of native vegetation (The Guidelines)

Offsets are required for the removal of 0.019 ha of native vegetation. Offsets required are 0.019 general habitat units with a minimum strategic biodiversity score of 0.2908 in the vicinity of Melbourne Water Catchment Management Authority (CMA) or Yarra Ranges Shire Council (Appendix B). YVW is to secure these offsets prior to commencing works. Further detail provided in Table 2 below.

Table 2: Summary of native vegetation to be removed

| Assessment pathway | Intermediate Assessment Pathway | | |
|---|---|---|-------|
| Location category | Location 2 The native vegetation extent map indicates that this area is typically characterised as supporting native vegetation. Additionally, it is modelled as encompassing an endangered Ecological Vegetation Class, sensitive wetland or sensitive coastal area. The removal of less than 0.5 hectares of native vegetation in this area will not require a Species Offset. | | |
| Total extent including past and proposed removal (ha) <i>Includes endangered EVCs (ha): 0</i> | Extent of past removal (ha) | | 0.18 |
| | 0.274 | Extent of proposed removal - Patches (ha) | 0.060 |
| | | Extent of proposed removal - Scattered Trees (ha) | 0.031 |
| No. Large Trees proposed to be removed | No. Large Patch Trees | | 0 |
| No. Small Scattered Trees | No. Large Scattered Trees | | 0 |

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Table 3: Offset requirements if approval is granted

Any approval granted will include a condition to secure an offset, before the removal of native vegetation, that meets the following requirements:

| General Offset amount ¹ | 0.019 General Habitat Units |
|---|---|
| Minimum strategic biodiversity value score ² | 0.2908 |
| Large Trees | 0 |
| Vicinity | Melbourne Water CMA or YARRA RANGES SHIRE LGA |

3.3 Obtaining Native Vegetation Offsets

The required offsets will be secured from available credits owned by Yarra Vally Water as detailed in Appendix C.

4. References

- DELWP (2017). *Guidelines for the removal, destruction or lopping of native vegetation*. Department of Environment, Land, Water and Planning, Government of Victoria, Melbourne.
- DEECA (2024b). *NatureKit*. Retrieved 2024, <<http://maps.biodiversity.vic.gov.au/viewer/?viewer=NatureKit>> Department of Environment, Land, Water and Planning, Government of Victoria.
- Jacobs (2023) Lilydale Waste to Energy Facility Ecological Impact Assessment

ADVERTISED PLAN

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Appendix A. Mapping

**ADVERTISED
PLAN**

**This copied document to be made available
for the sole purpose of enabling
its consideration and review as
part of a planning process under the
Planning and Environment Act 1987.
The document must not be used for any
purpose which may breach any
copyright**



Legend

- Assessment Area
- Eucalyptus yarraensis
- Native / Indigenous Revegetation Area

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

ADVERTISED PLAN

IS0803L4

DATA SOURCES
 © Commonwealth of Australia (Geoscience Australia) Geodata Topo 250k Series 3; Vicmap Data © State of Victoria; Jacobs, 2023; DEECA, 2023; Imagery: Aerometrex Metromap, 2023. Vicmap, Esri, HERE, Garmin, USGS, METINASA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

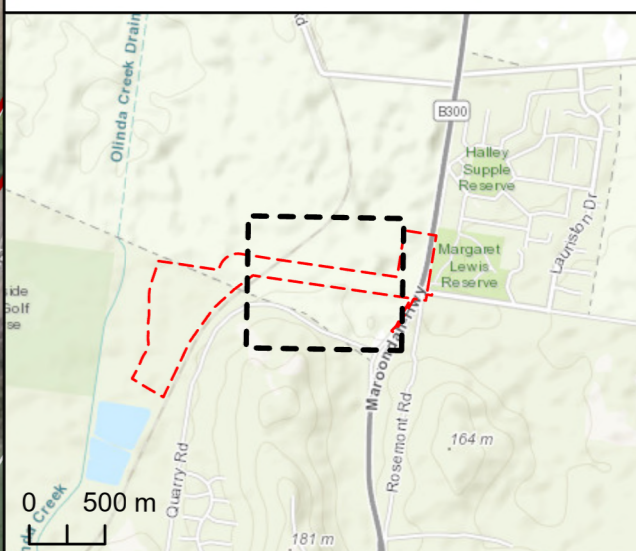
COPYRIGHT: The concepts and information contained in this document are the copyright of Jacobs. Use or copying of the document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Jacobs does not warrant that this document is definitive nor free of error and does not accept liability for any loss caused or arising from reliance upon information provided herein.

Native Vegetation

- 164 Creekline Herb-rich Woodland
- 653 Aquatic Hermland
- 821 Tall Marsh

Trees

- Large Canopy Tree; Canopy Tree
- Large Scattered Tree; Scattered Tree
- Immature Canopy Tree
- Small Scattered Tree
- Planted Australian
- Planted Victorian
- Large Shrub
- Tree Protection Zone





Legend

- Assessment Area
- Proposed Footprint
- Eucalyptus yarraensis (No Impact)

NVIA Patches

- Past Removal
- Proposed Removal
- Impacted / Remove
- Major / Retain
- Minor / Mitigation
- None
- Trees Protection Zone

Native Vegetation

- 164 Creekline Herb-rich Woodland

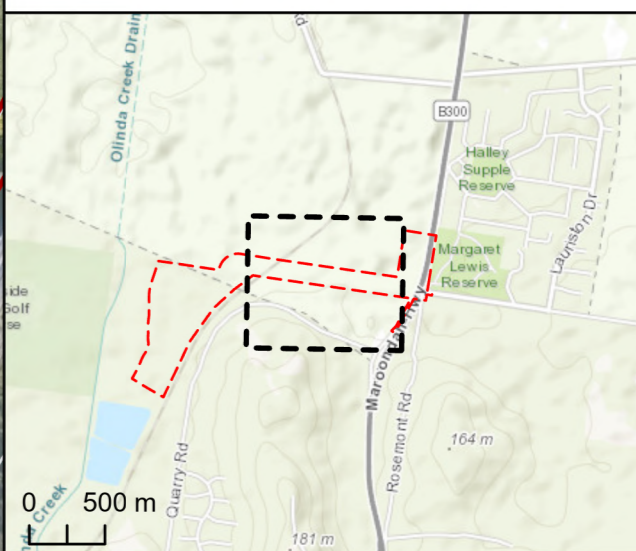
ADVERTISED PLAN

IS0803L4
WGS 1984 Web Mercator Auxiliary Sphere

0 25 50
Metres

DATA SOURCES
© Commonwealth of Australia (Geoscience Australia) Geodata Topo 250k Series 3; Vicmap Data © State of Victoria; Jacobs, 2023; DEECA, 2023; Imagery: Aerometrex Metromap, Vicmap, Esri, HERE, Garmin, USGS, METI/NASA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

COPYRIGHT: The concepts and information contained in this document are the copyright of Jacobs. Use or copying of the document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Jacobs does not warrant that this document is definitive nor free of error and does not accept liability for any loss caused or arising from reliance upon information provided herein.



Appendix B. Vegetation Removal Report

**ADVERTISED
PLAN**

**This copied document to be made available
for the sole purpose of enabling
its consideration and review as
part of a planning process under the
Planning and Environment Act 1987.
The document must not be used for any
purpose which may breach any
copyright**

Native Vegetation Removal Report

NVRR ID: 377_20240919_D9T

This report provides information to support an application to remove, destroy or lop native vegetation in accordance with the [Guidelines for the removal, destruction or lopping of native vegetation](#) (the Guidelines). This report is **not an assessment by DEECA** of the proposed native vegetation removal. Native vegetation information and offset requirements have been determined using spatial data provided by the applicant or their consultant.

Report details

Date created: 19/09/2024

Local Government Area: YARRA RANGES SHIRE

Shapefile name:

NVRMap_Removal_IS0803L4_Lilydale_WastetEnergy_12092024.shp

NVRMap_Removal_IS0803L4_Lilydale_WastetEnergy_Trees12092024.shp

Site assessor name:

Liza James

Briony Mitchell

Registered Aboriginal Party: Wurundjeri

Coordinates: 145.36188, -37.73538

Address:

1/12 KELSO STREET COLDSTREAM 3770

5/12 KELSO STREET COLDSTREAM 3770

4/12B KELSO STREET COLDSTREAM 3770

527-529 MAROONDAH HIGHWAY LILYDALE 3140

1/1A INGRAM ROAD COLDSTREAM 3770

2/12 KELSO STREET COLDSTREAM 3770

535-537 MAROONDAH HIGHWAY COLDSTREAM 3770

INGRAM ROAD COLDSTREAM 3770

3/12 KELSO STREET COLDSTREAM 3770

4/12A KELSO STREET COLDSTREAM 3770

(4 additional addresses not listed)

**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Summary of native vegetation to be removed

| Assessment pathway | Intermediate Assessment Pathway | | |
|---|---|--|--------------|
| Location category | Location 2 The native vegetation extent map indicates that this area is typically characterised as supporting native vegetation. Additionally, it is modelled as encompassing an endangered Ecological Vegetation Class, sensitive wetland or sensitive coastal area. The removal of less than 0.5 hectares of native vegetation in this area will not require a Species Offset. | | |
| Total extent including past and proposed removal (ha) <i>Includes endangered EVCs (ha): 0</i> | 0.271 | <i>Extent of past removal (ha)</i> | <i>0.18</i> |
| | | <i>Extent of proposed removal - Patches (ha)</i> | <i>0.060</i> |
| | | <i>Extent of proposed removal - Scattered Trees (ha)</i> | <i>0.031</i> |
| No. Large Trees proposed to be removed | 0 | <i>No. Large Patch Trees</i> | <i>0</i> |
| | | <i>No. Large Scattered Trees</i> | <i>0</i> |
| No. Small Scattered Trees | 1 | | |

Offset requirements if approval is granted

Any approval granted will include a condition to secure an offset, before the removal of native vegetation, that meets the following requirements:

| | |
|---|---|
| General Offset amount ¹ | 0.019 General Habitat Units |
| Minimum strategic biodiversity value score ² | 0.2908 |
| Large Trees | 0 |
| Vicinity | Melbourne Water CMA or YARRA RANGES SHIRE LGA |

NB: values within tables in this document may not add to the totals shown above due to rounding

The availability of third-party offset credits can be checked using the Native Vegetation Credit Register (NVCR) Search Tool - <https://nvcr.delwp.vic.gov.au>

**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

1. The General Offset amount required is the sum of all General Habitat Units in Appendix 1.
 2. Minimum strategic biodiversity value score is 80 per cent of the weighted average score across habitat zones where a General Offset is required.
 3. The Species Offset amount(s) required is the sum of all Species Habitat Units in Appendix 1.

Application requirements

Applications to remove, destroy or lop native vegetation must include all the below information. If an appropriate response has not been provided the application is not complete.

Application Requirement 1 - Native vegetation removal information

If the native vegetation removal is mapped correctly, the information presented in this Native Vegetation Removal Report addresses Application Requirement 1.

Application Requirement 2 - Topographical and land information

This statement describes the topographical and land features in the vicinity of the proposed works, including the location and extent of any ridges, hilltops, wetlands and waterways, slopes of more than 20% gradient, low-lying areas, saline discharge areas or areas of erosion.

Application Requirement 3 - Photographs of the native vegetation to be removed

Application Requirement 3 is not addressed in this Native Vegetation Removal Report. All applications must include recent, timestamped photos of each Patch, Large Patch, Tree and Scattered Tree which has been mapped in this report.

Application Requirement 4 - Past removal

If past removal has been considered correctly, the information presented in this Native Vegetation Removal Report addresses Application Requirement 4.

Application Requirement 5 - Avoid and minimise statement

This statement describes what has been done to avoid and minimise impacts on native vegetation and associated biodiversity values.

Application Requirement 6 - Property Vegetation Plan

This requirement only applies if an approved Property Vegetation Plan (PVP) applies to the property
Does a PVP apply to the proposal?

Application Requirement 7 - Defendable space statement

Where the removal of native vegetation is to create defendable space, this statement:

- Describes the bushfire threat; and

**ADVERTISED
PLAN**

- Describes how other bushfire risk mitigation measures were considered to reduce the amount of native vegetation proposed for removal (this can also be part of the avoid and minimise statement).

This statement is not required if, If the proposed defensible space is within the Bushfire Management Overlay (BMO), and in accordance with the 'Exemption to create defensible space for a dwelling under Clause 44.06 of local planning schemes' in Clause 52.12-5.

Application Requirement 8 - Native Vegetation Precinct Plan

This requirement is only applicable if you are removing native vegetation from within an area covered by Native Vegetation Precinct Plan (NVPP), and the proposed removal is not identified as 'to be removed' within the NVPP.

Does an NVPP apply to the proposal?

Application Requirement 9 - Offset statement

This statement demonstrates that an offset is available and describes how the required offset will be secured. The Applicant's Guide provides information relating to this requirement.

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

**ADVERTISED
PLAN**



Next steps

Applications to remove, destroy or lop native vegetation must address all the application requirements specified in the Guidelines. If you wish to remove the mapped native vegetation you are required to apply for approval from the responsible authority (e.g. local Council). This Native vegetation removal report must be submitted with your application and meets most of the application requirements. The following requirements need to be addressed, as applicable.

Application Requirement 3 - Photographs of the native vegetation to be removed

Recent, dated photographs of the native vegetation to be removed **must be provided** with the application. All photographs must be clear, show whether the vegetation is a Patch of native vegetation, Patch Tree or Scattered Tree, and identify any Large Trees. If the area of native vegetation to be removed is large, provide photos that are indicative of the native vegetation.

Ensure photographs are attached to the application. If appropriate photographs have not been provided the application is not complete.

Application Requirement 6 - Property Vegetation Plan

If a PVP is applicable, it must be provided with the application.

**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Appendix 1: Description of native vegetation to be removed

General Habitat Units for each zone (Patch, Scattered Tree or Patch Tree) are calculated by the following equation in accordance with the Guidelines

General Habitat Units = extent without overlap x condition score x general landscape factor x 1.5, where the general landscape factor = 0.5 + (strategic biodiversity value score/2)

The General Offset amount required is the sum of all General Habitat Units per zone.

Native vegetation to be removed

| Information provided by or on behalf of the applicant | | | | | | | Information calculated by NVR Map | | | | |
|---|-------|----------|----------|---------------------------------|-----------------|-----------------|-----------------------------------|---------------------|-----------------------------|-----------|-----------------------|
| Zone | Type | DBH (cm) | EVC code | Bioregional conservation status | Partial Removal | Condition score | Large Tree(s) | Polygon extent (ha) | Extent without overlap (ha) | SBV score | General Habitat Units |
| 1-a | Patch | - | HSF_0164 | Vulnerable | no | 0.310 | - | 0.032 | 0.032 | | |
| 1-b | Patch | - | GipP0821 | NA | no | 0.190 | - | 0.086 | 0.086 | | |
| 1-c | Patch | - | HSF_0164 | Vulnerable | no | 0.310 | - | 0.027 | 0.027 | | |
| 1-d | Patch | - | HSF_0164 | Vulnerable | no | 0.200 | - | 0.024 | 0.024 | | |
| 1-e | Patch | - | HSF_0164 | Vulnerable | no | 0.330 | - | 0.002 | 0.002 | | |
| 1-f | Patch | - | HSF_0164 | Vulnerable | no | 0.200 | - | 0.007 | 0.007 | | |
| 1-g | Patch | - | HSF_0164 | Vulnerable | no | 0.330 | - | 0.002 | 0.002 | | |
| 1-h | Patch | - | HSF_0164 | Vulnerable | no | 0.200 | - | 0.002 | 0.002 | | |
| 2-i | Patch | - | HSF_0164 | Vulnerable | no | 0.200 | - | 0.016 | 0.016 | 0.380 | 0.003 |
| 2-j | Patch | - | HSF_0164 | Vulnerable | no | 0.200 | - | 0.022 | 0.022 | 0.360 | 0.004 |

**ADVERTISED
PLAN**

| Information provided by or on behalf of the applicant | | | | | | | Information calculated by NVR Map | | | | |
|---|----------------|----------|----------|---------------------------------|-----------------|-----------------|-----------------------------------|---------------------|-----------------------------|-----------|-----------------------|
| Zone | Type | DBH (cm) | EVC code | Bioregional conservation status | Partial Removal | Condition score | Large Tree(s) | Polygon extent (ha) | Extent without overlap (ha) | SBV score | General Habitat Units |
| 2-k | Patch | - | HSF_0164 | Vulnerable | no | 0.200 | - | 0.022 | 0.022 | 0.360 | 0.004 |
| 13-a | Scattered Tree | 40 | HSF_0164 | Vulnerable | no | 0.200 | - | 0.031 | 0.031 | 0.360 | 0.006 |

ADVERTISED PLAN

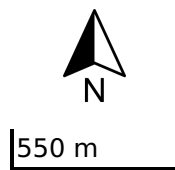
This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Appendix 2: Images of mapped native vegetation

1. Property in context



- Proposed Removal
- Past Removal
- Partial Removal
- Property Boundaries



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

2. Aerial photograph showing mapped native vegetation



- Proposed Removal
- Past Removal
- Partial Removal



400 m

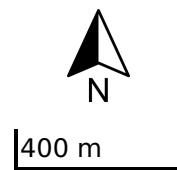
**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

3. Location Risk Map



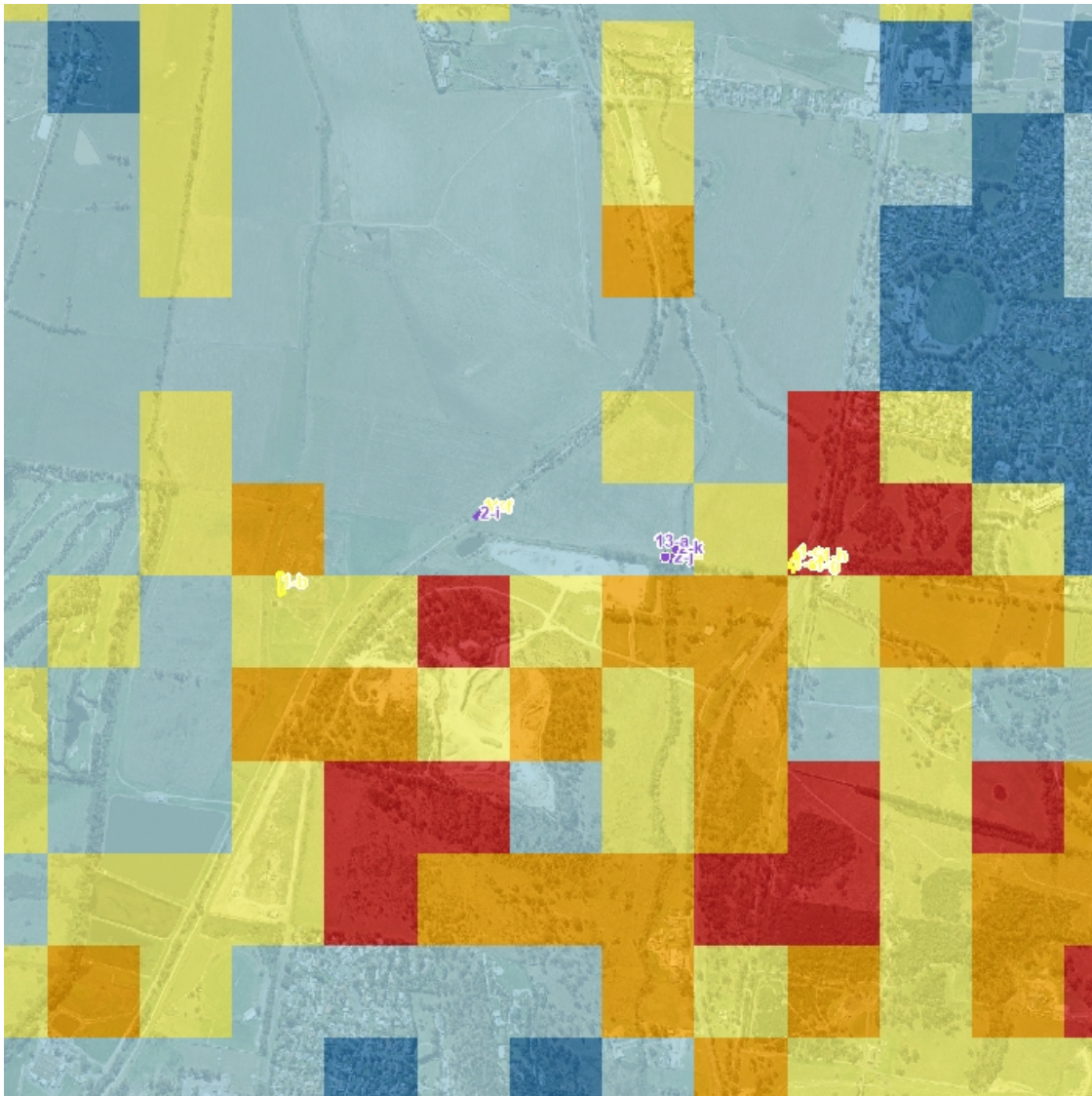
- | | |
|------------------|------------|
| Proposed Removal | Location 1 |
| Past Removal | Location 2 |
| Partial Removal | Location 3 |











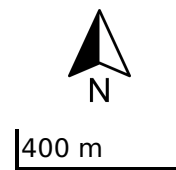
**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

4. Strategic Biodiversity Value Score Map



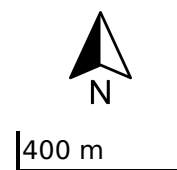
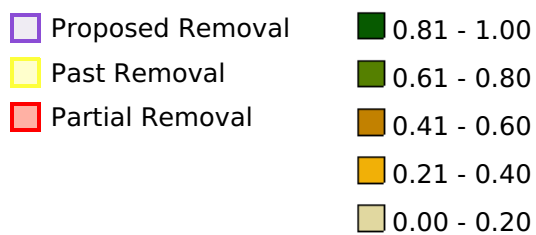
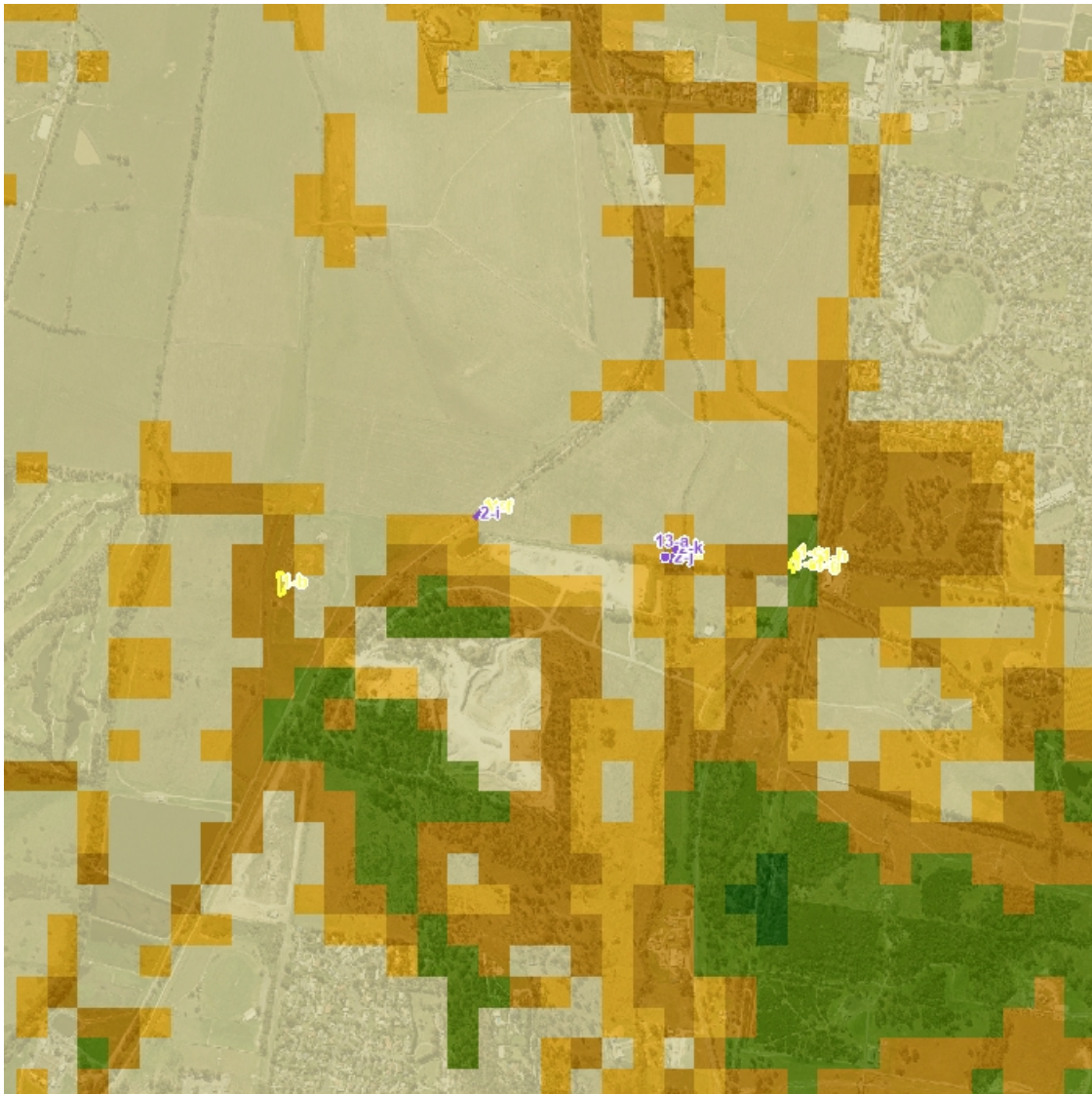
- | | |
|--|---|
|  Proposed Removal |  0.81 - 1.00 |
|  Past Removal |  0.61 - 0.80 |
|  Partial Removal |  0.41 - 0.60 |
| |  0.21 - 0.40 |
| |  0.00 - 0.20 |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

5. Condition Score Map



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

6. Endangered EVCs

Not Applicable

© The State of Victoria Department of Energy, Environment and Climate Action 2024



This work is licensed under a Creative Commons Attribution 4.0 International licence. You are free to re-use the work under that licence, on the condition that you credit the State of Victoria as author. The licence does not apply to any images, photographs or branding, including the Victorian Coat of Arms, the Victorian Government logo and the Department of Energy, Environment and Climate Change (DEECA) logo. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>

Disclaimer

This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication.

**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Appendix C. Yarra Valley Water Corporation Offset Credit

| Credit Owner | Property Id | Zone | General Habitat Units (GHU) | Strategic Biodiversity Value (SBV) | Large Trees (LT) | Species Habitat Units (SHU) | Species Common Name | Species Scientific Name | Taxon Id | Asset Type | Habitat Score | Conservation Significance | Bioregion | Ecological Vegetation Class (EVC) | Bioregional Conservation Significance (BCS) |
|--------------------------------|-------------|--------------|-----------------------------|------------------------------------|------------------|-----------------------------|---------------------|-------------------------|----------|--------------------|---------------|---------------------------|---------------------------|-----------------------------------|---|
| Yarra Valley Water Corporation | BBA-0012 | BBA-0012-2-C | 1.125 | 0.894 | 0 | | | | | Remnant vegetation | 0.66 | Very High | Central Victorian Uplands | Plains Grassy Woodland (0055) | Endangered |

ADVERTISED PLAN

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Appendix D. Arborist Report

**ADVERTISED
PLAN**

**This copied document to be made available
for the sole purpose of enabling
its consideration and review as
part of a planning process under the
Planning and Environment Act 1987.
The document must not be used for any
purpose which may breach any
copyright**



IRONBARK

Environmental Arboriculture

Swale Drain

Arboricultural Impact Assessment

Lilydale
Waste to Energy Facility
Coldstream VIC 3770

Prepared by

Grant Harris

B.Sc EnvSc (Wildlife & Conservation Biology)
Dip Horticulture (Arboriculture)
(Arboriculture & Forestry)

Pat Dyson

Cert III Arboriculture
Diploma Arboriculture

Commissioned by

Jacobs

19 September 2024

Revision A

This copied document to be made available
for the sole purpose of enabling
its consideration and review as
part of a planning process under the
Planning and Environment Act 1987.
The document must not be used for any
purpose which may breach any
copyright



**ADVERTISED
PLAN**

Contents

| | |
|--|----|
| Introduction | 1 |
| Existing Conditions | 1 |
| Planning Context..... | 2 |
| Site Map | 3 |
| Tree Encroachment Map..... | 4 |
| Arboricultural Impact Assessment..... | 9 |
| Arboricultural Impact Assessment Summary..... | 10 |
| Permit Trigger Map..... | 13 |
| Discussion..... | 14 |
| SLO2 Substantial Trees..... | 14 |
| Native Vegetation | 14 |
| Major Encroachments | 14 |
| Minor Encroachments | 15 |
| No Encroachments | 15 |
| Recommendations..... | 15 |
| Appendices | 16 |
| Arboricultural Impact Assessment Reporting Guidelines Flowchart..... | 16 |
| Tree Assessment Descriptors..... | 17 |
| Glossary of Arboricultural Terms | 22 |
| Expertise to Provide Consultancy Services | 23 |
| References | 23 |
| Tree Photographs and Data..... | 24 |

**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| Version Title | Action | Staff | Date |
|---|----------|-------|------------|
| Lilydale – Waste to Energy Facility – V1 | Prepared | PD | 27/08/2024 |
| Lilydale – Waste to Energy Facility – V2 | Reviewed | GH | 27/08/2024 |
| Lilydale – Waste to Energy Facility – FINAL | Checked | SK | 27/08/2024 |
| Lilydale – Waste to Energy Facility – Rev A | Prepared | SC | 19/09/2024 |

Introduction

Jacobs have commissioned Ironbark Environmental Arboriculture (IEA) to provide an arboricultural impact assessment for trees potentially impacted by the proposed access road and swale drain, as part of the Yarra Valley Water waste to energy facility.

This report contains the following information:

- Arboricultural Impact Assessment prepared with reference to AS 4970-2009 *Protection of Trees on Development Sites*

On the 27th of April 2022, IEA collected data for ninety-seven (97) trees along the southern boundary of the subject site and adjacent road reserve and ten (10) additional trees were collected on the 22nd June 2022. Seventy-eight (78) trees were collected on the 3rd November 2022 at the western area of the subject site.

On the 7th of August 2024, Peter Bourke of IEA collected data for forty-eight (48) additional trees, where the proposed access road and swale drain is to be constructed.

Arboricultural impacts are assessed with reference to the following documents:

- YVW Lilydale Waste Debris, Road and Drainage Site Layout Plan – Sheet 2-3, Revision C (Spiire 19/04/2024).

This report focuses on trees potentially impacted by the proposed swale drain along the access road as well as the construction of a bridge over the creek. Seventy-two (72) trees were assessed for this report.

Four (4) trees were re-collected and reassigned numbers in error.

Tree #3 was re-collected as #158

Tree #4 was re-collected as #155

Tree #5 was re-collected as #154

Tree #6 was re-collected as #151

Existing Conditions

The *subject site* is 535-537 Maroondah Hwy, Coldstream where an access road is to be constructed to link the waste to energy facility and Maroondah Hwy. This report is specific to trees along the southern boundary of the site where the road and swale drain is proposed to be constructed (Site Map). Subsequently, this area is referred to as the *assessment area*.

Within the assessment area, the vegetation site consists of planted and naturally occurring trees.

A creek runs north-south through the southern border of the property which crosses through the proposed access road.

Planning Context

The site is within the Yarra Ranges Council and is zoned as *Green Wedge Zone -Schedule 2 (GWZ2)*. The entire site falls under *Significant Landscape Overlay – Schedule 2 (SLO2)* which aims to:

“retain established trees and patches of indigenous vegetation as an important element of the rural landscape”

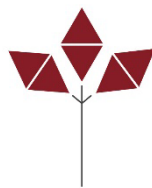
Subsequently, a permit is required to remove, destroy or lop native vegetation that naturally occurs in the Shire of the Yarra Ranges. This includes vegetation that has been planted using public funding for the enhancement of biodiversity values. A permit is also required for any work carried out within 4m of the base of a substantial tree. A substantial tree is defined as any tree with a trunk circumference greater than 1.1 metres (0.35 metre diameter) at a height of 1.3m above ground.

The creek site is covered by *Environmental Significance Overlay – Schedule 1 (ESO1)*. Pursuant to ESO1, a permit is required to carry out works within 30m of a waterway.

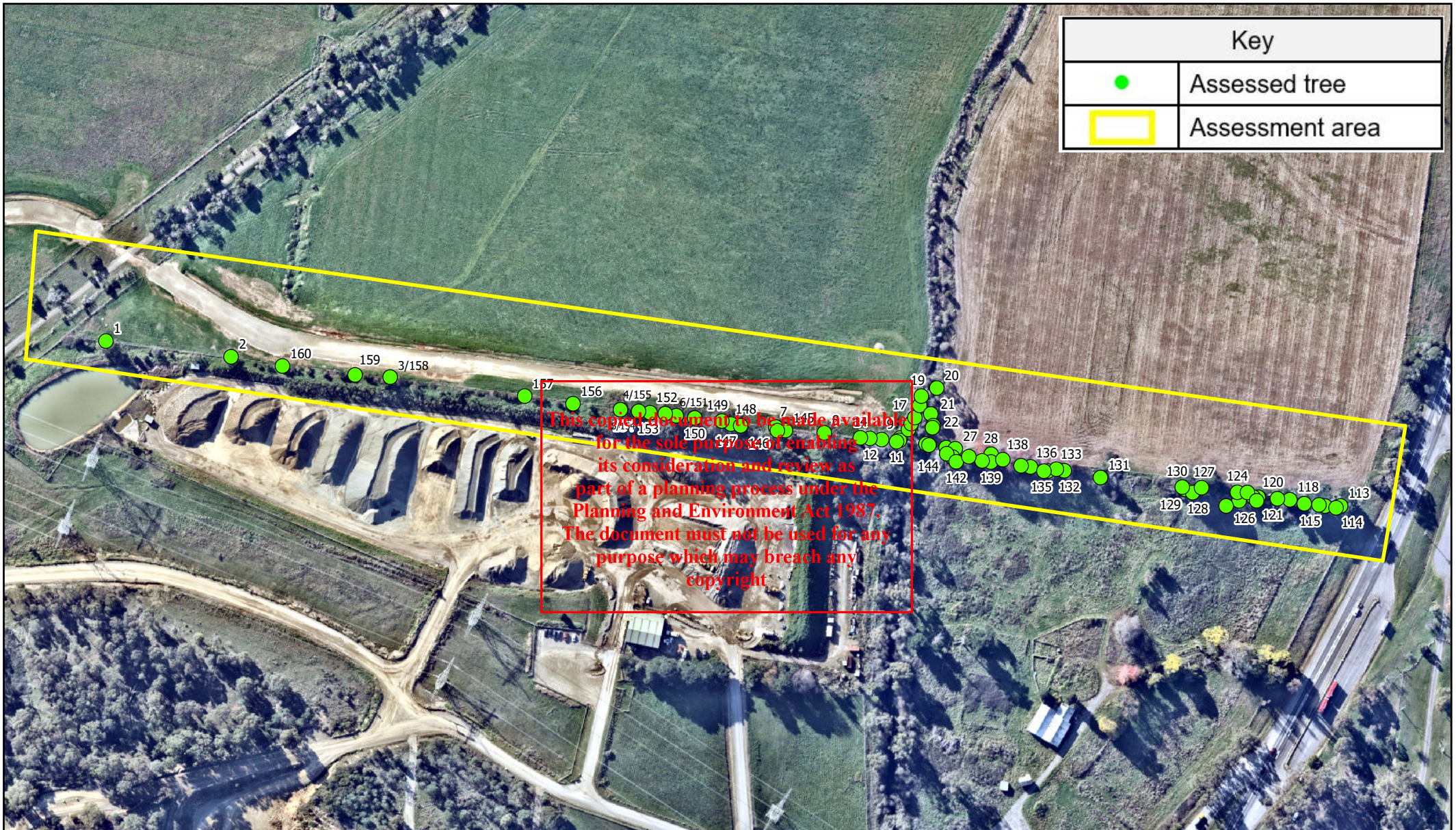
The subject site is greater than 4,000m², therefore vegetation removal is subject to assessment against *Clause 52.17 Native Vegetation (52.17)*.

The *Department of Energy, Environment and Climate Action (DEECA formerly DELWP)* current extent ecological vegetation class (EVC) mapping shows the assessment area to be *Swampy Riparian Complex (EVC 126)*. The conservation status for EVC 126 in the Highlands – Southern Fall bioregion is *endangered*.

**ADVERTISED
PLAN**



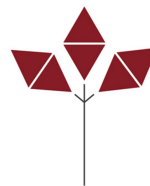
This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright



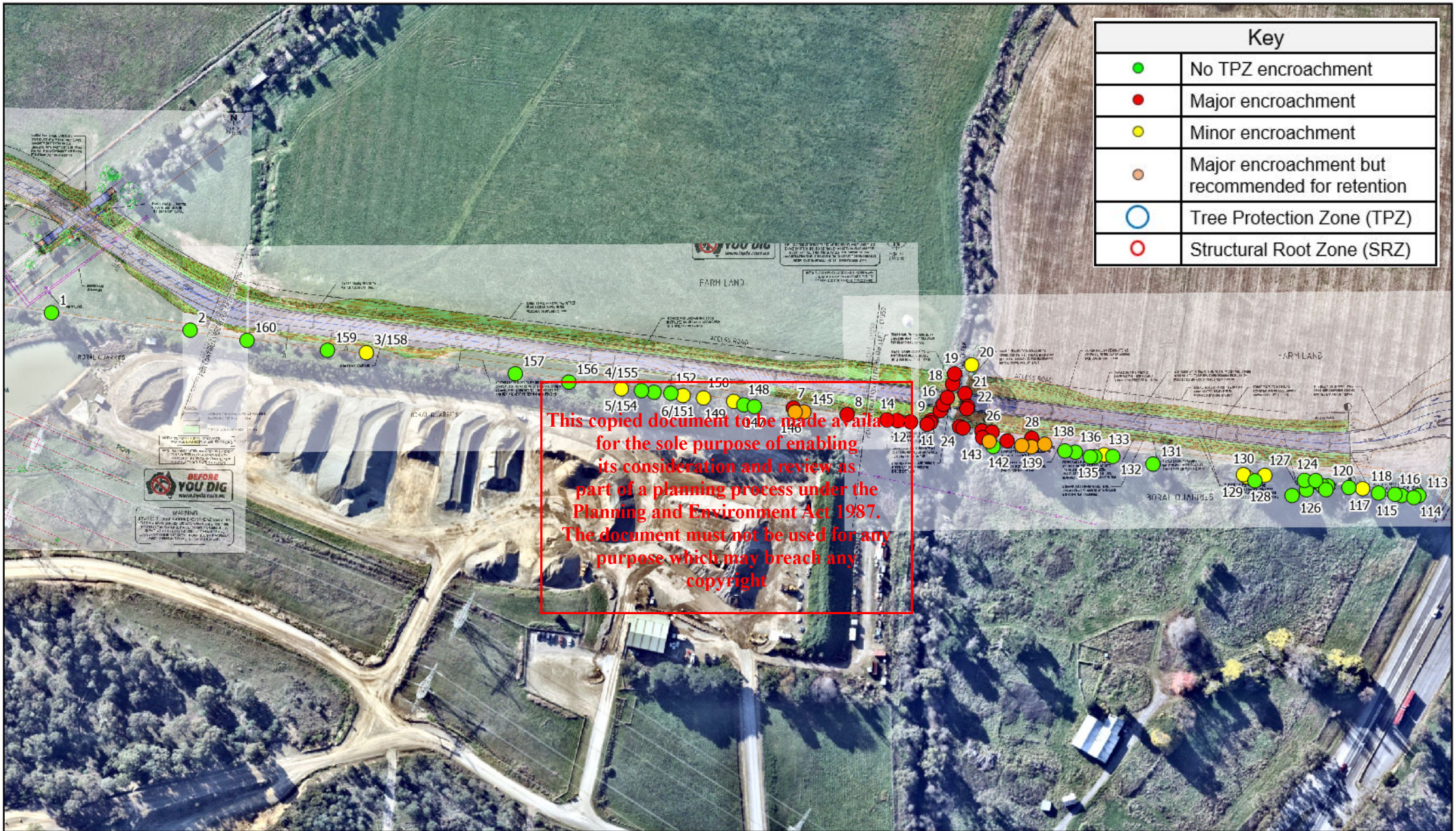
Site Overview Map

Projection: GDA 2020 / MGA Zone 55

Adapted from IEA GPS data and NearMaps image dated 12/08/2024



**ADVERTISED
PLAN**



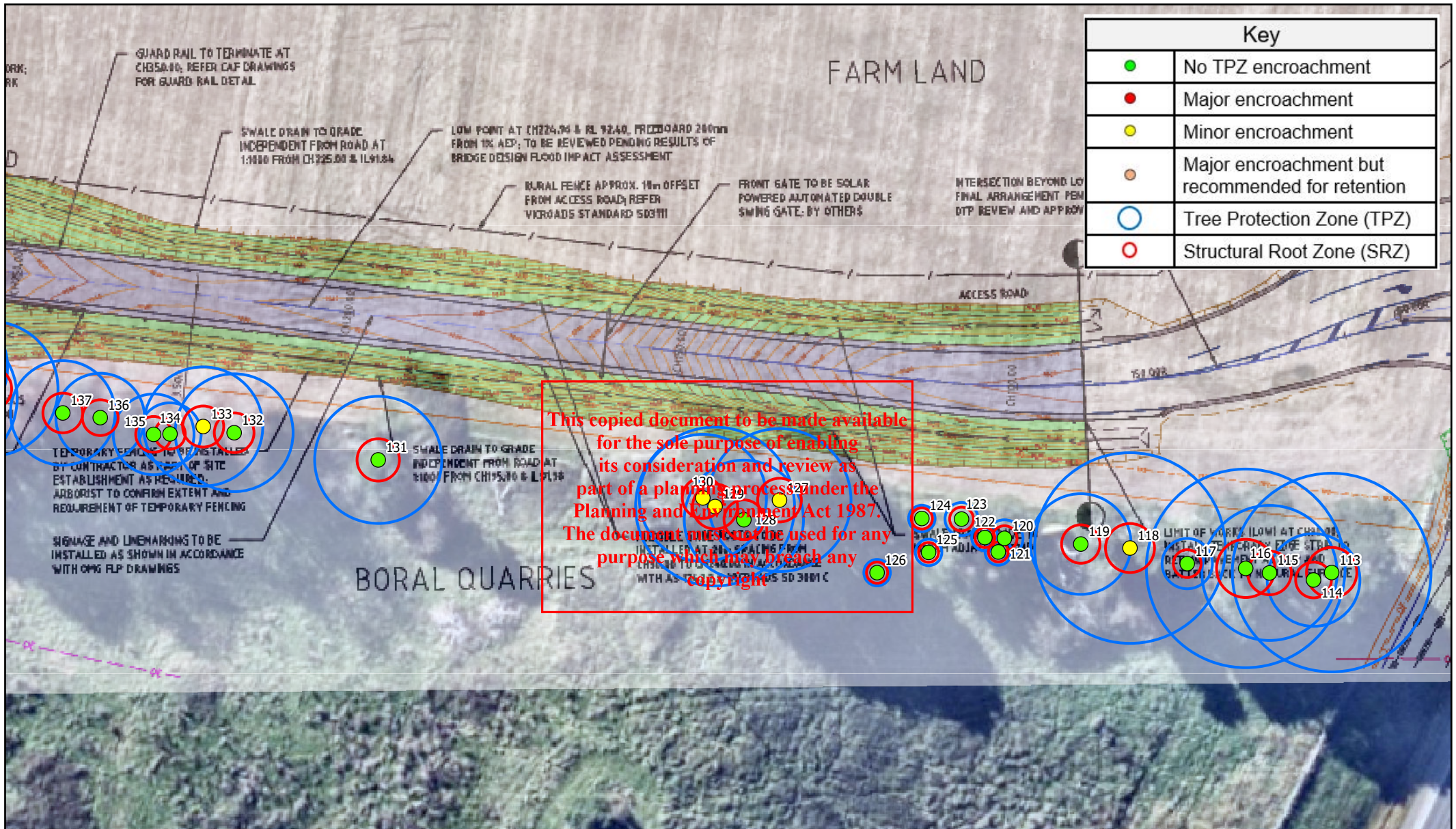
Tree Impact Overview

Projection: GDA 2020 / MGA Zone 55

Adapted from IEA GPS data, YVW Lilydale Wte Delorean, Road and Drainage Site Layout Plan - Sheet 2, Yarra Ranges Shire Council Delorean, Sheet 2-3, Revision D (Spiire 19/04/24)



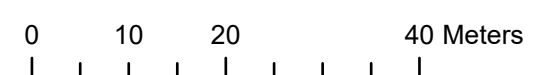
**ADVERTISED
PLAN**



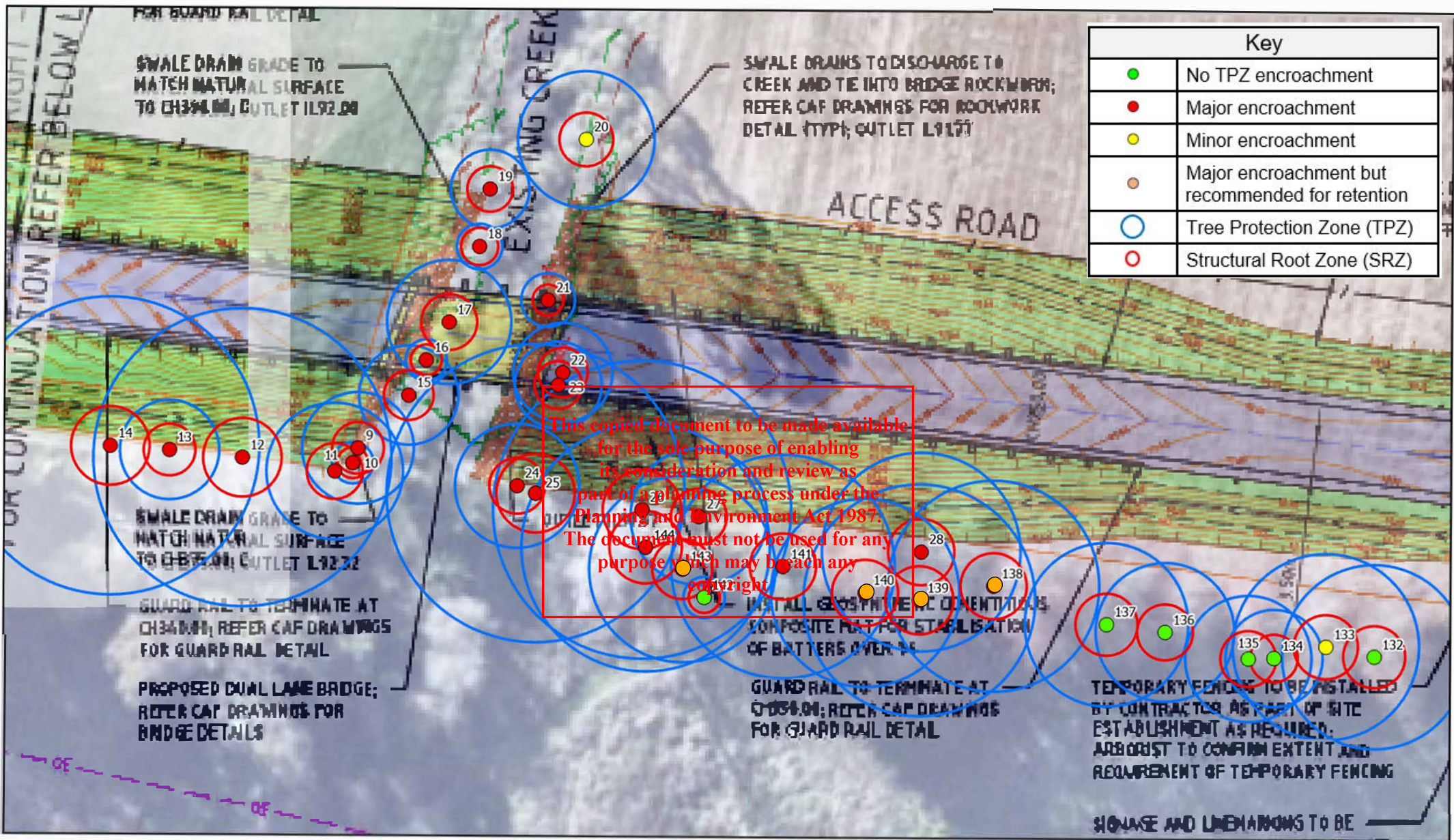
Tree Impact Map - #113-137

Projection: GDA 2020 / MGA Zone 55

Adapted from IEA GPS data, YVW Lilydale Wte Delorean, Road and Drainage Site Layout Plan - Sheet 2, Yarra Ranges Shire Council Delorean, Sheet 2-3, Revision D (Spiire 19/04/24)



ADVERTISED PLAN



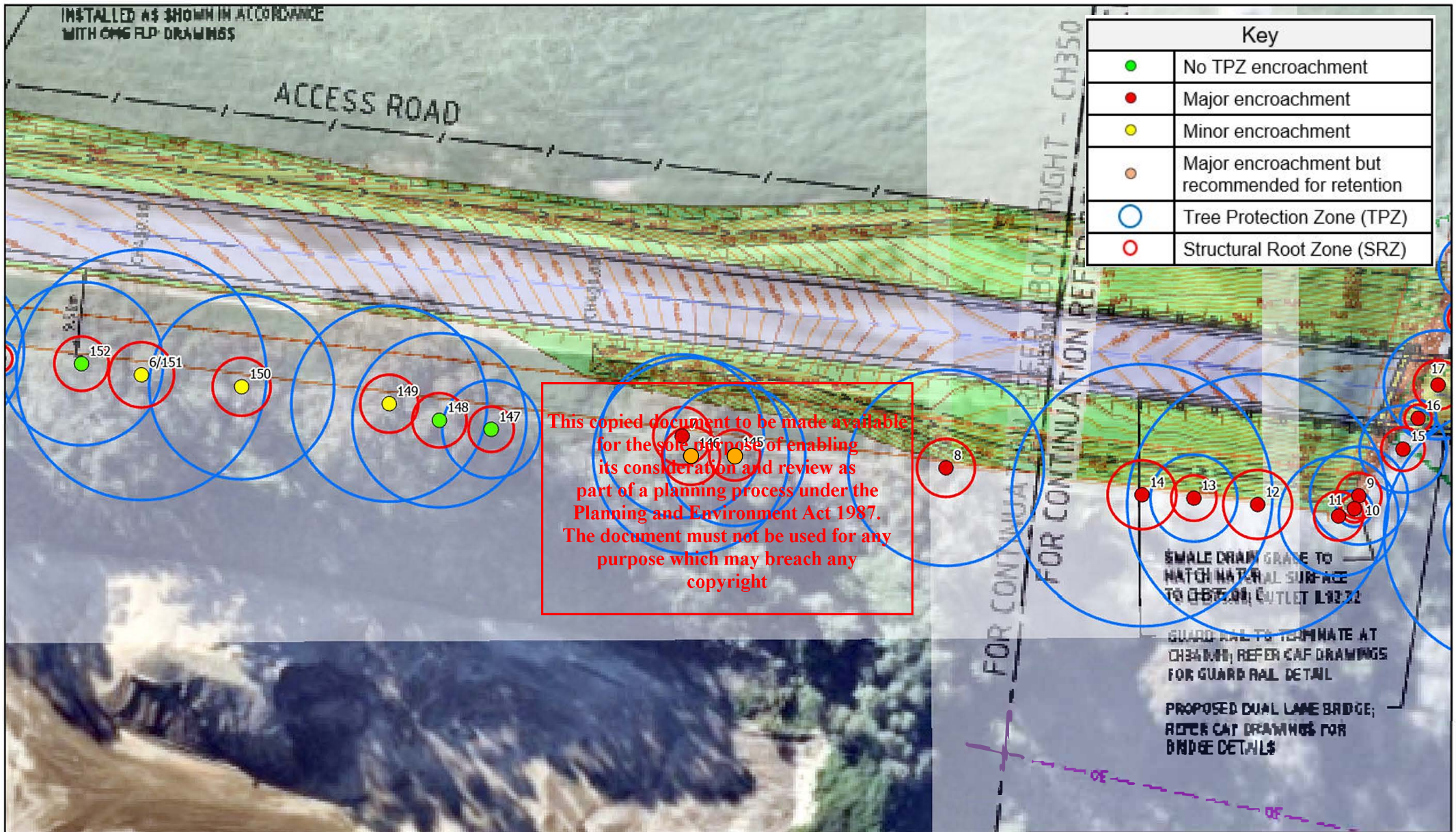
Tree Impact Map - #12-132

Projection: GDA 2020 / MGA Zone 55

Adapted from IEA GPS data, YVW Lilydale Wte Delorean, Road and Drainage Site Layout Plan - Sheet 2, Yarra Ranges Shire Council Delorean, Sheet 2-3, Revision D (Spiire 19/04/24)



ADVERTISED PLAN



Tree Impact Overview - #1-152

Projection: GDA 2020 / MGA Zone 55

Adapted from IEA GPS data, YVW Lilydale Wte Delorean, Road and Drainage Site Layout Plan - Sheet 2, Yarra Ranges Shire Council Delorean, Sheet 2-3, Revision D (Spiire 19/04/24)



**ADVERTISED
PLAN**



Tree Impact Overview - #1-152

Projection: GDA 2020 / MGA Zone 55

Adapted from IEA GPS data, YVW Lilydale Wte Delorean, Road and Drainage Site Layout Plan - Sheet 2, Yarra Ranges Shire Council Delorean, Sheet 2-3, Revision D (Spiire 19/04/24)



**ADVERTISED
PLAN**

Arboricultural Impact Assessment

Documents Reviewed:

- *YVW Lilydale Wte Delorean, Road and Drainage Site Layout Plan – Sheet 2, Yarra Ranges Shire Council Delorean, Sheet 2-3, Revision D (Spiire 19/04/24)*

| Tree ID # | Tree Count | Proposed Impacts | AS 4970-2009 Encroachment Type | Arboricultural Impact Assessment |
|--|------------|---|--------------------------------|---|
| #1, 2, 5/154, 113-117, 119-126, 128, 131, 132, 134-137, 142, 147, 148, 152, 153, 156, 157, 159 and 160 | 32 | None, existing conditions to be retained within TPZ | None | If tree protection measurements are implemented such as fencing and signage, these trees are likely to remain viable post-construction |
| #3/158, 4/155, 6/151, 20, 118, 127, 129, 130, 133, 149 and 150 | 11 | Minor encroachment of 10% or less | Minor | Trees with a minor TPZ encroachment will remain viable post-construction if isolated from construction impacts with tree protection fencing and/or ground protection. |
| #7, 138-141 and 143-146 | 9 | Major encroachment of >10% | Major | Trees with major TPZ encroachments are unlikely to remain viable post-construction. |
| #8-19 and 21-28 | 20 | SRZ encroachment | Major | Trees with SRZ encroachments are unlikely to remain viable post-construction. |

**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Arboricultural Impact Assessment Summary

| Retention Value | Encroachment Type | Total |
|---------------------|--------------------|-----------|
| High | Major Encroachment | 14 |
| | Minor Encroachment | 5 |
| | No Encroachment | 7 |
| High Total | | 26 |
| Medium | Major Encroachment | 10 |
| | Minor Encroachment | 5 |
| | No Encroachment | 8 |
| Medium Total | | 23 |
| Low | Major Encroachment | 5 |
| | Minor Encroachment | 1 |
| | No Encroachment | 17 |
| Low Total | | 23 |
| Grand Total | | 72 |

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| Count of Recommendation | Total |
|---------------------------|-----------|
| Major encroachment >10% | 9 |
| Minor encroachment < 10 % | 11 |
| SRZ Encroachment | 20 |
| No Encroachment | 32 |
| Grand Total | 72 |

**ADVERTISED
PLAN**

| Tree ID # | Botanical Name | Origin | DBH (cm) | Enc Type | Enc % | Comments |
|-------------------------------|----------------------------------|-------------------|----------|----------|-------|---|
| Minor Encroachment | | | | | | |
| #3/158 | <i>Acacia implexa</i> | Indigenous | 30 | Minor | 1% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #4/155 | <i>Eucalyptus melliodora</i> | Planted Victorian | 115 | Minor | 6% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #6/151 | <i>Eucalyptus melliodora</i> | Planted Victorian | 115 | Minor | 8% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #20 | <i>Eucalyptus ovata</i> | Indigenous | 55 | Minor | 6% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #118 | <i>Hesperocyparis macrocarpa</i> | Exotic | 120 | Minor | 1.50% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #127 | <i>Hesperocyparis macrocarpa</i> | Exotic | 90 | Minor | 7% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #129 | <i>Hesperocyparis macrocarpa</i> | Exotic | 100 | Minor | 3% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #130 | <i>Hesperocyparis macrocarpa</i> | Exotic | 80 | Minor | 1% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #133 | <i>Quercus palustris</i> | Exotic | 75 | Minor | 1% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #149 | <i>Eucalyptus melliodora</i> | Planted Victorian | 90 | Minor | 2% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| #150 | <i>Eucalyptus melliodora</i> | Planted Victorian | 85 | Minor | 1% | With adequate tree protection, such as fencing and signage, tree is likely to remain viable |
| Major TPZ Encroachment | | | | | | |
| #7 | <i>Eucalyptus botryoides</i> | Planted Victorian | 75 | Major | 21% | Tree is unlikely to remain viable, removal recommended |
| #138 | <i>Quercus palustris</i> | Exotic | 85 | Major | 23% | Oaks are tolerant of root damage (Matheny & Clark 1998), recommended to prune roots in accordance with AS 4373-2007 <i>Pruning of Amenity Trees</i> . Tree is likely to remain viable |
| #139 | <i>Quercus palustris</i> | Exotic | 93 | Major | 22% | Oaks are tolerant of root damage (Matheny & Clark 1998), recommended to prune roots in accordance with AS 4373-2007 <i>Pruning of Amenity Trees</i> . Tree is likely to remain viable |
| #140 | <i>Quercus palustris</i> | Exotic | 76 | Major | 11% | Tree is likely to tolerate root damage, retention is recommended |
| #141 | <i>Hesperocyparis macrocarpa</i> | Exotic | 90 | Major | 24% | Tree is unlikely to remain viable, removal recommended |

This copied document to be made available
 for the sole purpose of enabling
 its consideration and review as
 part of a planning process under the
 Planning and Environment Act 1997.
 The document must not be used for any
 purpose which may breach any
 copyright

ADVERTISED
 PLAN

| | | | | | | |
|-------------------------|----------------------------------|--------------------|-------------|-------|-----|--|
| #143 | <i>Eucalyptus robusta</i> | Planted Australian | 75 | Major | 11% | Tree is likely to tolerate root damage, retention is recommended |
| #144 | <i>Hesperocyparis macrocarpa</i> | Exotic | 100 | Major | 27% | Tree is unlikely to remain viable, removal recommended |
| #145 | <i>Eucalyptus sp.</i> | Planted Victorian | 65 | Major | 11% | Tree is likely to tolerate root damage, retention is recommended |
| #146 | <i>Eucalyptus botryoides</i> | Planted Victorian | 90 | Major | 15% | Tree is likely to tolerate root damage, retention is recommended |
| SRZ Encroachment | | | | | | |
| #8 | <i>Eucalyptus botryoides</i> | Planted Victorian | 90 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #9 | <i>Acacia melanoxylon</i> | Indigenous | 45 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #10 | <i>Acacia melanoxylon</i> | Indigenous | 10 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #11 | <i>Eucalyptus ovata</i> | Indigenous | 55 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #12 | <i>Cupressus sp.</i> | Exotic | 120 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #13 | <i>Eucalyptus sp.</i> | Indigenous | 40 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #14 | <i>Cupressus sp.</i> | Exotic | 120 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #15 | <i>Acacia sp.</i> | Indigenous | 40 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #16 | <i>Acacia melanoxylon</i> | Indigenous | 14 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #17 | <i>Acacia sp.</i> | Indigenous | 50 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #18 | <i>Eucalyptus ovata</i> | Indigenous | 18 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #19 | <i>Eucalyptus ovata</i> | Indigenous | 25 20 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #21 | <i>Eucalyptus ovata</i> | Indigenous | 10 11 10 12 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #22 | <i>Eucalyptus ovata</i> | Indigenous | 40 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #23 | <i>Eucalyptus ovata</i> | Indigenous | 35 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #24 | <i>Cupressus macrocarpa</i> | Exotic | 50 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #25 | <i>Cupressus macrocarpa</i> | Exotic | 120 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #26 | <i>Cupressus macrocarpa</i> | Exotic | 120 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #27 | <i>Eucalyptus botryoides</i> | Planted Victorian | 55 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |
| #28 | <i>Quercus palustris</i> | Exotic | 80 | Major | SRZ | Tree is unlikely to remain viable, removal recommended |

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright.

ADVERTISED
PLAN



Permit Trigger Map

Projection: GDA 2020 / MGA Zone 55

Adapted from IEA GPS data, and NearMaps image dated 12/08/2024



0 37.5 75 150 Meters



**ADVERTISED
PLAN**

Discussion

SLO2 Substantial Trees

Pursuant to SLO2, a permit is required for any works carried out within 4m of the base of any substantial trees. Dead vegetation and weeds listed in the *Yarra Ranges Council – List of Environmental Weeds 2019* are exempted.

There are fifty-one (51) trees categorised as substantial trees within the assessment area.

- Trees #1, 2, 4/155, 5/154, 6/151, 7-9, 11-15, 17, 20, 22-28, 113-116, 118, 119, 127-141, 143-150 and 152

Native Vegetation

A permit is required to remove, destroy or lop native vegetation that naturally occurs in the Shire of the Yarra Ranges.

Planted vegetation is generally not considered native, however there is an exemption for vegetation native to Victoria that has been purposely planted with public funding for biodiversity protection and enhancement.

The purpose of the planted vegetation within the assessment area is not known, therefore, following the precautionary principle of 52.17, planted vegetation native to Victoria within the assessment area should be considered native vegetation. Weeds and dead vegetation are exempt from this consideration.

There are fifteen (15) native trees within the assessment area. These trees are indigenous to the area and likely to be naturally occurring:

- Trees #1-3/158, 9, 10, 11, 16, 18-22, 156, 159 and 160

There are nineteen (19) planted Victorian trees that are considered native vegetation according to the precautionary principle of 52.17:

- Trees #4/155, 6/151, 7, 8, 27, 120-126, 146, 148-150, 152 and 153

Major Encroachments

Under the current design, twenty-nine (29) trees in the assessment area have a *major* encroachment.

A *major* encroachment is an encroachment of greater than 10% into the TPZ, or an encroachment into the SRZ.

Trees #7-19, 21-28, 138-141 and 143-144 have *major* encroachments. This includes fourteen (14) high retention value trees (trees #7, 8, 11-14, 24-28, 138-140)

Trees with major encroachments are unlikely to remain viable post-construction. Trees #140, 143, 145 and 146 have less significant encroachments and are likely to tolerate subsequent root damage. Retention of these four (4) trees is recommended.

Quercus palustris (Pin Oaks) are more tolerant of root damage (Matheny & Clark 1998) and therefore, it is recommended that trees #138 and 139 are pruned in accordance with AS 4373-2007 *Pruning of Amenity Trees* to aid their retention.

The remaining trees with major encroachments are unlikely to tolerate the expected root damage and are recommended for removal.

Minor Encroachments

Under the current design, eleven (11) trees in the assessment area have a *minor* encroachment.

A *minor* encroachment is an encroachment of less than 10% into the TPZ.

Trees #3/158, 4/155, 6/151, 20, 118, 127, 129, 130, 133, 149 and 150 have *minor* encroachments.

To reduce impacts of trees with minor encroachments, arborist supervision during the excavation for the proposed swale drain within the TPZs of the trees is recommended.

No Encroachments

Under the current design, thirty-two (32) trees in the assessment area have no encroachments.

Trees #1, 2, 5/154, 113-117, 119-126, 128, 131, 132, 134-137, 142, 147, 148, 152, 153, 154, 156, 157, 159 and 160.

To ensure these trees remain viable post-construction tree protection measures should be installed such as TPZ fencing and signage.

Recommendations

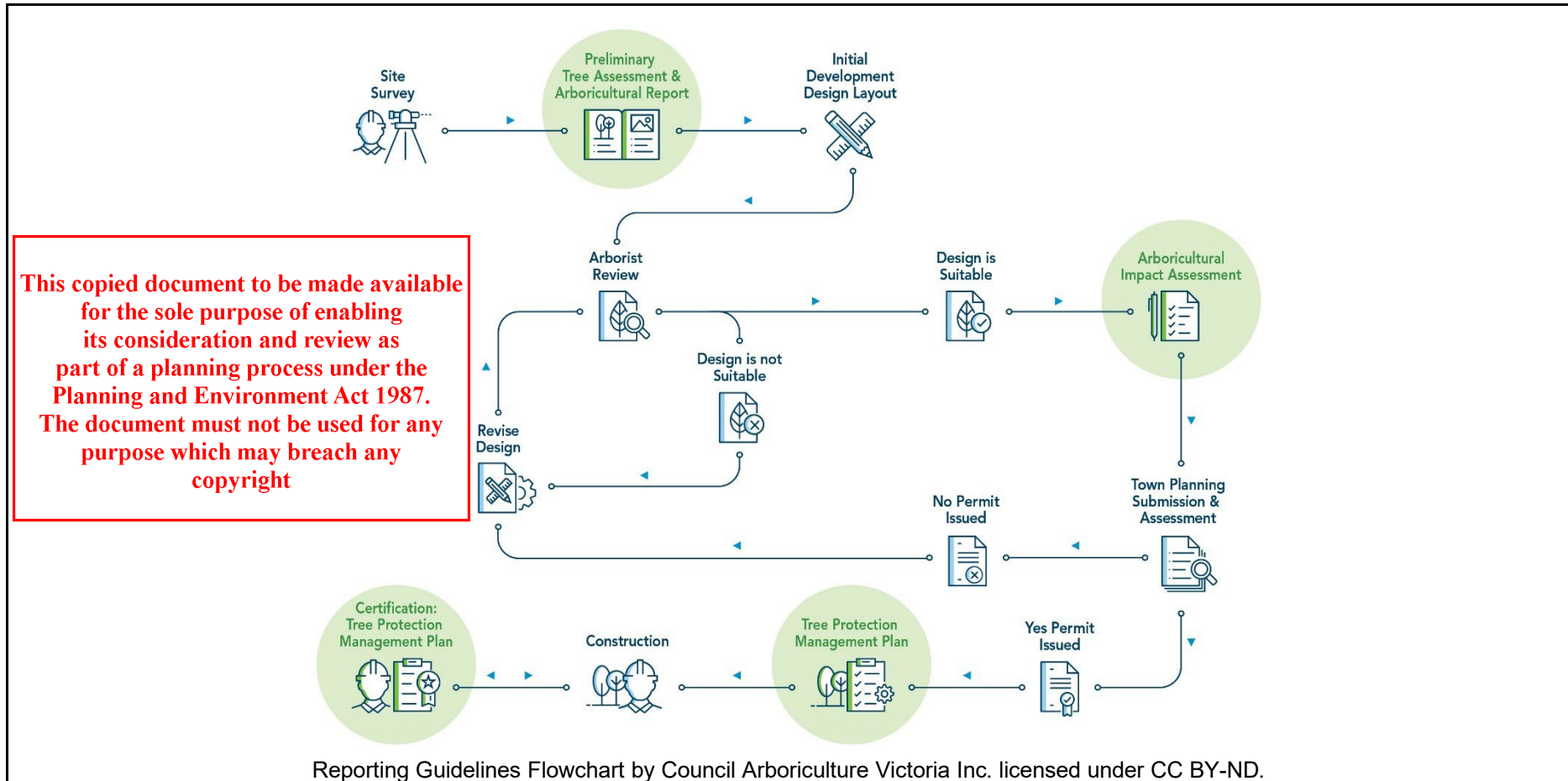
- Prune trees #138 and #139 in accordance to AS 4373-2007 *Pruning of Amenity Trees*.
- Propose to remove trees recommended for removal and procure native vegetation offsets of the required type prior to the commencement of construction.
- Commission a *tree protection management plan* prior to the start of work that includes adequate tree protection fencing and signage to protect retained trees.

**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Appendices

Arboricultural Impact Assessment Reporting Guidelines Flowchart

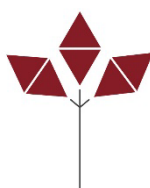


**ADVERTISED
PLAN**

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. 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. |

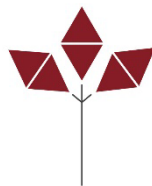
| Health | |
|--------|--|
| Good | The tree displays 71-100% live canopy mass and has near-optimal foliage characteristics in size, colour and density. The tree may have deadwood in the interior canopy. The tree may exhibit a low level of pest/pathogen infestation. It is expected that the tree will 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. The tree may display some dieback of the peripheral canopy. The tree may exhibit a medium-level pest/pathogen infestation. 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. The tree has extensive dieback of the peripheral canopy. The tree has extensive pest/pathogen infestation. The tree is unlikely to improve its condition of health even with intervention. |
| Dead | The tree has no live vascular tissue. |



This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

**ADVERTISED
PLAN**

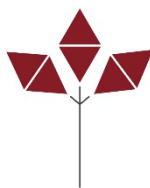
| Structure | |
|-----------|---|
| Good | <p>Tree has well-formed unions.</p> <p>there are no signs of decay in either the trunk and/or 1st order branches.</p> <p>The tree has good trunk and 1st order branch taper and is displaying pronounced reactive wood growth, indicating it has adapted to its location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



This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

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

| Useful Life Expectancy | |
|------------------------|---|
| >10 years | The tree has <i>good</i> health and <i>good</i> 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 <i>fair to good</i> health and <i>fair to good</i> 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 | <p>Tree has either <i>poor</i> health or <i>poor</i> structure, or both</p> <p>Without intervention, the tree is expected to decline in health, structure or both within three (3) years.</p> |



ADVERTISED PLAN

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

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*.

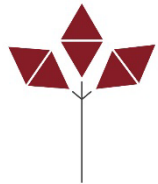
Arboricultural Retention Value Matrix

| | | | | | | | | | |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 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 |



This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

ADVERTISED PLAN

Order of Branches

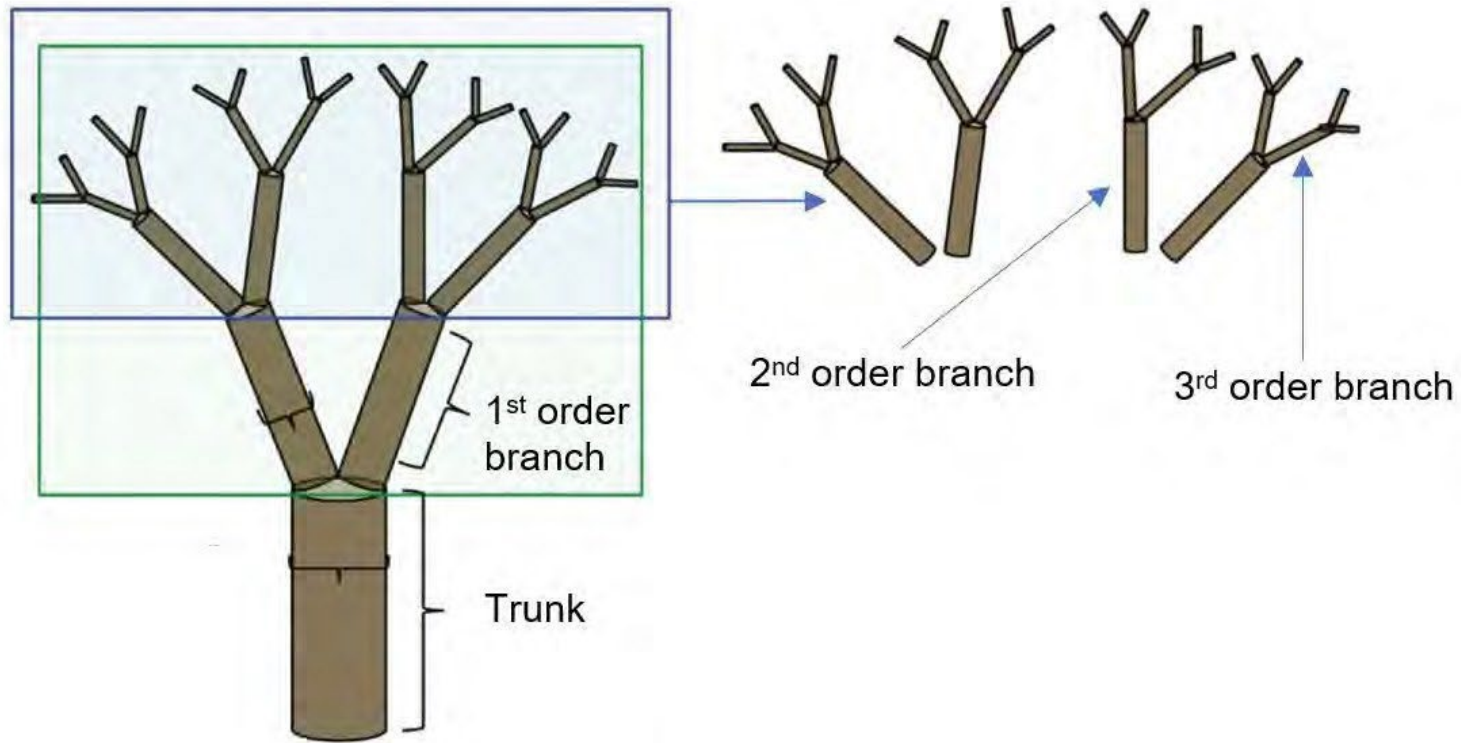


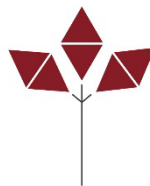
Image adapted from Bentley *et al* 2013, An empirical assessment of tree branching networks and implications for plant allometric scaling models, *Ecology Letters*, vol.16, p.1069-1078.

**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

Glossary of Arboricultural Terms

| | |
|----------------------------|--|
| Tree protection zone (TPZ) | <p>In accordance with <i>AS 4970-2009 Protection of Trees on Development Sites</i>, the trunk diameter measured at 1.4 m above ground level is used to calculate the tree protection zone (TPZ).</p> <p>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.</p> |
| Structural root zone (SRZ) | <p>In accordance with <i>AS 4970-2009 Protection of Trees on Development Sites</i>, the SRZ is calculated from the diameter of the trunk above the root buttress.</p> <p>The SRZ is the area required for tree stability. This is the area where structural woody roots are likely to occur.</p> |
| Major encroachment | <p>The proposed encroachment is more than 10% of the TPZ area, inside SRZ or both.</p> |
| Minor encroachment | <p>The proposed encroachment is less than 10% of the TPZ area and outside the SRZ.</p> |
| Epicormic shoot | <p>Regrowth shoots which are produced from latent buds and are commonly less strongly attached than original branches.</p> |
| Bark inclusion | <p>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.</p> |



This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

**ADVERTISED
PLAN**

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

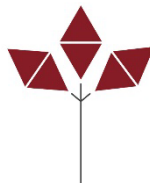
**ADVERTISED
PLAN**

References

Matheny N and Clarke J.R (1998) *Trees and Development, A technical guide to preservation of trees during land development*, International Society of Arboriculture

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

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright



Tree Photographs

| | |
|-------------------------------|-------------------------|
| Tree ID: | 1 |
| Botanical Name: | <i>Eucalyptus ovata</i> |
| Common Name: | Swamp Gum |
| Origin: | Indigenous |
| Height (m): | 15 |
| Width (m): | 8 |
| DBH (cm) | 60 |
| Diameter at base (cm): | 65 |
| Health: | Fair |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 7.20 |
| SRZ Radius (m): | 2.76 |
| Comments: | Smooth bark on trunk |



| | |
|-------------------------------|---------------------------|
| Tree ID: | 2 |
| Botanical Name: | <i>Eucalyptus obliqua</i> |
| Common Name: | Messmate |
| Origin: | Indigenous |
| Height (m): | 12 |
| Width (m): | 8 |
| DBH (cm) | 20 30 35 |
| Diameter at base (cm): | 75 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 6.02 |
| SRZ Radius (m): | 2.93 |
| Comments: | |



**This copied document to be made available
for the sole purpose of enabling
its consideration and review as
part of a planning process under the
Planning and Environment Act 1987.
The document must not be used for any
purpose which may breach any
copyright**

**ADVERTISED
PLAN**

| | |
|-------------------------------|------------------------------|
| Tree ID: | 7 |
| Botanical Name: | <i>Eucalyptus botryoides</i> |
| Common Name: | Southern Mahogany |
| Origin: | Planted |
| Height (m): | 10 |
| Width (m): | 10 |
| DBH (cm) | 75 |
| Diameter at base (cm): | 90 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 9.00 |
| SRZ Radius (m): | 3.17 |
| Comments: | |



| | |
|-------------------------------|------------------------------|
| Tree ID: | 8 |
| Botanical Name: | <i>Eucalyptus botryoides</i> |
| Common Name: | Southern Mahogany |
| Origin: | Planted |
| Height (m): | 18 |
| Width (m): | 16 |
| DBH (cm) | 90 |
| Diameter at base (cm): | 95 |
| Health: | Fair |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 10.80 |
| SRZ Radius (m): | 3.24 |
| Comments: | |



| | |
|-------------------------------|---------------------------|
| Tree ID: | 9 |
| Botanical Name: | <i>Acacia melanoxylon</i> |
| Common Name: | Blackwood |
| Origin: | Indigenous |
| Height (m): | 10 |
| Width (m): | 6 |
| DBH (cm) | 45 |
| Diameter at base (cm): | 50 |
| Health: | Fair |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 5.40 |
| SRZ Radius (m): | 2.47 |
| Comments: | |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|---------------------------|
| Tree ID: | 10 |
| Botanical Name: | <i>Acacia melanoxylon</i> |
| Common Name: | Blackwood |
| Origin: | Indigenous |
| Height (m): | 6 |
| Width (m): | 1 |
| DBH (cm) | 10 |
| Diameter at base (cm): | 12 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.50 |
| Comments: | |



| | |
|-------------------------------|-----------------------------------|
| Tree ID: | 11 |
| Botanical Name: | <i>Eucalyptus ovata</i> |
| Common Name: | Swamp Gum |
| Origin: | Indigenous |
| Height (m): | 12 |
| Width (m): | 5 |
| DBH (cm) | 55 |
| Diameter at base (cm): | 60 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 6.60 |
| SRZ Radius (m): | 2.67 |
| Comments: | Smooth bark on 1st order branches |



| | |
|-------------------------------|----------------------------------|
| Tree ID: | 12 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Planted |
| Height (m): | 14 |
| Width (m): | 16 |
| DBH (cm) | 120 |
| Diameter at base (cm): | 140 |
| Health: | Dead |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | NA |
| SRZ Radius (m): | 3.81 |
| Comments: | |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|-----------------------|
| Tree ID: | 13 |
| Botanical Name: | <i>Eucalyptus sp.</i> |
| Common Name: | Gum |
| Origin: | Indigenous |
| Height (m): | 9 |
| Width (m): | 1 |
| DBH (cm) | 40 |
| Diameter at base (cm): | 50 |
| Health: | Dead |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | NA |
| SRZ Radius (m): | 2.47 |
| Comments: | |



| | |
|-------------------------------|----------------------------------|
| Tree ID: | 14 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Planted |
| Height (m): | 14 |
| Width (m): | 10 |
| DBH (cm) | 120 |
| Diameter at base (cm): | 140 |
| Health: | Dead |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | NA |
| SRZ Radius (m): | 3.81 |
| Comments: | |



| | |
|-------------------------------|-------------------|
| Tree ID: | 15 |
| Botanical Name: | <i>Acacia sp.</i> |
| Common Name: | Wattle |
| Origin: | Indigenous |
| Height (m): | 4 |
| Width (m): | 1 |
| DBH (cm) | 40 |
| Diameter at base (cm): | 45 |
| Health: | Dead |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | NA |
| SRZ Radius (m): | 2.37 |
| Comments: | |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|---------------------------|
| Tree ID: | 16 |
| Botanical Name: | <i>Acacia melanoxylon</i> |
| Common Name: | Blackwood |
| Origin: | Indigenous |
| Height (m): | 5 |
| Width (m): | 2 |
| DBH (cm) | 14 |
| Diameter at base (cm): | 16 |
| Health: | Good |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.53 |
| Comments: | |



| | |
|-------------------------------|-------------------|
| Tree ID: | 17 |
| Botanical Name: | <i>Acacia sp.</i> |
| Common Name: | Wattle |
| Origin: | Indigenous |
| Height (m): | 8 |
| Width (m): | 4 |
| DBH (cm) | 50 |
| Diameter at base (cm): | 60 |
| Health: | Dead |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | NA |
| SRZ Radius (m): | 2.67 |
| Comments: | |



| | |
|-------------------------------|-------------------------|
| Tree ID: | 18 |
| Botanical Name: | <i>Eucalyptus ovata</i> |
| Common Name: | Swamp Gum |
| Origin: | Indigenous |
| Height (m): | 9 |
| Width (m): | 3 |
| DBH (cm) | 18 |
| Diameter at base (cm): | 25 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.16 |
| SRZ Radius (m): | 1.85 |
| Comments: | Smooth bark on trunk |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|-------------------------|
| Tree ID: | 19 |
| Botanical Name: | <i>Eucalyptus ovata</i> |
| Common Name: | Swamp Gum |
| Origin: | Indigenous |
| Height (m): | 8 |
| Width (m): | 6 |
| DBH (cm) | 25 20 |
| Diameter at base (cm): | 38 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 3.84 |
| SRZ Radius (m): | 2.20 |
| Comments: | Smooth bark on trunk |



| | |
|-------------------------------|-------------------------|
| Tree ID: | 20 |
| Botanical Name: | <i>Eucalyptus ovata</i> |
| Common Name: | Swamp Gum |
| Origin: | Indigenous |
| Height (m): | 10 |
| Width (m): | 8 |
| DBH (cm) | 55 |
| Diameter at base (cm): | 58 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 6.60 |
| SRZ Radius (m): | 2.63 |
| Comments: | Smooth bark on trunk |



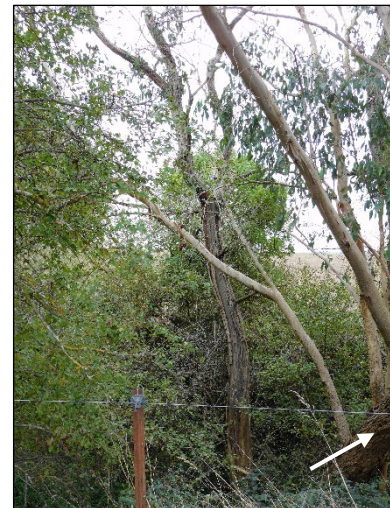
| | |
|-------------------------------|---|
| Tree ID: | 21 |
| Botanical Name: | <i>Eucalyptus ovata</i> |
| Common Name: | Swamp Gum |
| Origin: | Indigenous |
| Height (m): | 6 |
| Width (m): | 5 |
| DBH (cm) | 10 11 10 12 |
| Diameter at base (cm): | 16 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.59 |
| SRZ Radius (m): | 1.53 |
| Comments: | Group of saplings, smooth bark on trunk |



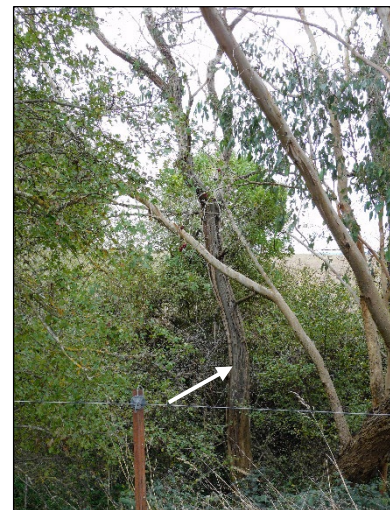
**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|-------------------------|
| Tree ID: | 22 |
| Botanical Name: | <i>Eucalyptus ovata</i> |
| Common Name: | Swamp Gum |
| Origin: | Indigenous |
| Height (m): | 6 |
| Width (m): | 6 |
| DBH (cm) | 40 |
| Diameter at base (cm): | 45 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 4.80 |
| SRZ Radius (m): | 2.37 |
| Comments: | Smooth bark on trunk |



| | |
|-------------------------------|-----------------------|
| Tree ID: | 23 |
| Botanical Name: | <i>Eucalyptus sp.</i> |
| Common Name: | Gum |
| Origin: | Indigenous |
| Height (m): | 7 |
| Width (m): | 4 |
| DBH (cm) | 35 |
| Diameter at base (cm): | 40 |
| Health: | Dead |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | NA |
| SRZ Radius (m): | 2.25 |
| Comments: | |



| | |
|-------------------------------|----------------------------------|
| Tree ID: | 24 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Planted |
| Height (m): | 4 |
| Width (m): | 6 |
| DBH (cm) | 50 |
| Diameter at base (cm): | 60 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | High |
| TPZ Radius (m): | 6.00 |
| SRZ Radius (m): | 2.67 |
| Comments: | |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|----------------------------------|
| Tree ID: | 25 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Planted |
| Height (m): | 3 |
| Width (m): | 2 |
| DBH (cm) | 120 |
| Diameter at base (cm): | 140 |
| Health: | Dead |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | NA |
| SRZ Radius (m): | 3.81 |
| Comments: | |



| | |
|-------------------------------|----------------------------------|
| Tree ID: | 26 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Planted |
| Height (m): | 8 |
| Width (m): | 10 |
| DBH (cm) | 120 |
| Diameter at base (cm): | 140 |
| Health: | Dead |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | NA |
| SRZ Radius (m): | 3.81 |
| Comments: | |



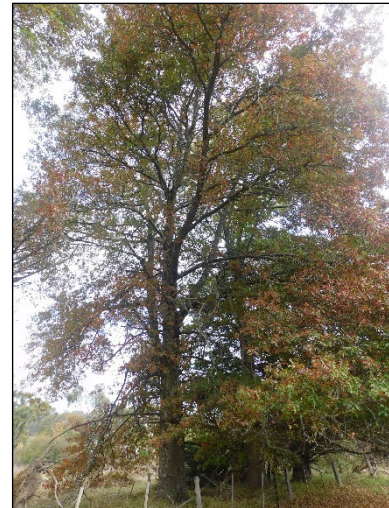
| | |
|-------------------------------|------------------------------|
| Tree ID: | 27 |
| Botanical Name: | <i>Eucalyptus botryoides</i> |
| Common Name: | Southern Mahogany |
| Origin: | Planted |
| Height (m): | 8 |
| Width (m): | 6 |
| DBH (cm) | 55 |
| Diameter at base (cm): | 60 |
| Health: | Good |
| Structure: | Poor |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | High |
| TPZ Radius (m): | 6.60 |
| SRZ Radius (m): | 2.67 |
| Comments: | |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|------------------------|--------------------------|
| Tree ID: | 28 |
| Botanical Name: | <i>Quercus palustris</i> |
| Common Name: | Pin Oak |
| Origin: | Planted |
| Height (m): | 20 |
| Width (m): | 16 |
| DBH (cm) | 80 |
| Diameter at base (cm): | 95 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 9.60 |
| SRZ Radius (m): | 3.24 |
| Comments: | |



ADVERTISED PLAN

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|----------------------------------|
| Tree ID: | 113 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 18 |
| Width (m): | 14 |
| DBH (cm) | 130 |
| Diameter at base (cm): | 140 |
| Health: | Fair |
| Structure: | Poor |
| ULE: | 3-10 years |
| Tree Significance: | Medium |
| Retention Value: | Low |
| TPZ Radius (m): | 15.00 |
| SRZ Radius (m): | 3.81 |
| Comments: | Estimated DBH, possible seridium |



| | |
|-------------------------------|----------------------------|
| Tree ID: | 114 |
| Botanical Name: | <i>Quercus canariensis</i> |
| Common Name: | Algerian Oak |
| Origin: | Exotic |
| Height (m): | 17 |
| Width (m): | 9 |
| DBH (cm) | 58 |
| Diameter at base (cm): | 62 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 6.96 |
| SRZ Radius (m): | 2.71 |
| Comments: | |



| | |
|-------------------------------|----------------------------------|
| Tree ID: | 115 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 17 |
| Width (m): | 8 |
| DBH (cm) | 85 |
| Diameter at base (cm): | 100 |
| Health: | Fair |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 10.20 |
| SRZ Radius (m): | 3.31 |
| Comments: | Major stem failure |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|----------------------------------|
| Tree ID: | 116 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 18 |
| Width (m): | 15 |
| DBH (cm) | 180 |
| Diameter at base (cm): | 200 |
| Health: | Fair |
| Structure: | Poor |
| ULE: | 3-10 years |
| Tree Significance: | Medium |
| Retention Value: | Low |
| TPZ Radius (m): | 15.00 |
| SRZ Radius (m): | 4.43 |
| Comments: | Several failures, estimated DBH |



| | |
|-------------------------------|----------------------------|
| Tree ID: | 117 |
| Botanical Name: | <i>Quercus canariensis</i> |
| Common Name: | Algerian Oak |
| Origin: | Exotic |
| Height (m): | 6 |
| Width (m): | 3 |
| DBH (cm) | 32 |
| Diameter at base (cm): | 33 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 3.84 |
| SRZ Radius (m): | 2.08 |
| Comments: | |



| | |
|-------------------------------|----------------------------------|
| Tree ID: | 118 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 16 |
| Width (m): | 9 |
| DBH (cm) | 120 |
| Diameter at base (cm): | 130 |
| Health: | Good |
| Structure: | Poor |
| ULE: | 3-10 years |
| Tree Significance: | Medium |
| Retention Value: | Low |
| TPZ Radius (m): | 14.40 |
| SRZ Radius (m): | 3.69 |
| Comments: | |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|----------------------------------|
| Tree ID: | 119 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 15 |
| Width (m): | 6 |
| DBH (cm) | 63 |
| Diameter at base (cm): | 75 |
| Health: | Good |
| Structure: | Poor |
| ULE: | 3-10 years |
| Tree Significance: | Medium |
| Retention Value: | Low |
| TPZ Radius (m): | 7.56 |
| SRZ Radius (m): | 2.93 |
| Comments: | |



| | |
|-------------------------------|------------------------|
| Tree ID: | 120 |
| Botanical Name: | <i>Acacia dealbata</i> |
| Common Name: | Silver Wattle |
| Origin: | Planted Victorian |
| Height (m): | 6 |
| Width (m): | 5 |
| DBH (cm) | 23 |
| Diameter at base (cm): | 26 |
| Health: | Good |
| Structure: | Fair |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.76 |
| SRZ Radius (m): | 1.88 |
| Comments: | Planted |



| | |
|-------------------------------|---|
| Tree ID: | 121 |
| Botanical Name: | <i>Eucalyptus elata</i> |
| Common Name: | River Peppermint |
| Origin: | Planted Victorian |
| Height (m): | 5 |
| Width (m): | 2 |
| DBH (cm) | 11 |
| Diameter at base (cm): | 12 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.50 |
| Comments: | Group of planted species - A.melanoxyton and E.elata |



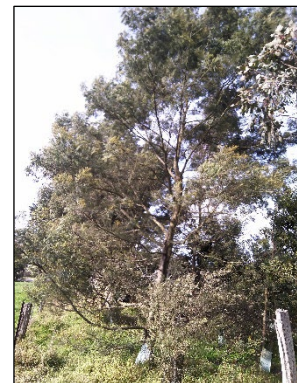
**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|------------------------------|
| Tree ID: | 122 |
| Botanical Name: | <i>Eucalyptus yarraensis</i> |
| Common Name: | Yarraensis Gum |
| Origin: | Planted Victorian |
| Height (m): | 6 |
| Width (m): | 1 |
| DBH (cm) | 15 |
| Diameter at base (cm): | 16 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.50 |
| Comments: | Planted |



| | |
|-------------------------------|------------------------|
| Tree ID: | 123 |
| Botanical Name: | <i>Acacia dealbata</i> |
| Common Name: | Silver Wattle |
| Origin: | Planted Victorian |
| Height (m): | 6 |
| Width (m): | 4 |
| DBH (cm) | 21 |
| Diameter at base (cm): | 25 |
| Health: | Good |
| Structure: | Good |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.52 |
| SRZ Radius (m): | 1.85 |
| Comments: | Planted |



| | |
|-------------------------------|------------------------------|
| Tree ID: | 124 |
| Botanical Name: | <i>Eucalyptus yarraensis</i> |
| Common Name: | Yarraensis Gum |
| Origin: | Planted Victorian |
| Height (m): | 6 |
| Width (m): | 1 |
| DBH (cm) | 16 |
| Diameter at base (cm): | 18 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.61 |
| Comments: | Planted |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|---|
| Tree ID: | 125 |
| Botanical Name: | <i>Eucalyptus yarraensis</i> |
| Common Name: | Yarraensis Gum |
| Origin: | Planted Victorian |
| Height (m): | 3 |
| Width (m): | 1 |
| DBH (cm) | 10 |
| Diameter at base (cm): | 10 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.50 |
| Comments: | Planted group - A.dealbata, A.torulosa, E.elata. |



| | |
|-------------------------------|------------------------|
| Tree ID: | 126 |
| Botanical Name: | <i>Acacia dealbata</i> |
| Common Name: | Silver Wattle |
| Origin: | Planted Victorian |
| Height (m): | 5 |
| Width (m): | 3 |
| DBH (cm) | 16 |
| Diameter at base (cm): | 18 |
| Health: | Good |
| Structure: | Fair |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.61 |
| Comments: | Planted |



| | |
|-------------------------------|--|
| Tree ID: | 127 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 18 |
| Width (m): | 14 |
| DBH (cm) | 90 |
| Diameter at base (cm): | 100 |
| Health: | Poor |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Medium |
| Retention Value: | Low |
| TPZ Radius (m): | 10.80 |
| SRZ Radius (m): | 3.31 |
| Comments: | Seridium, DBH estimated, several failures |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|----------------------------------|
| Tree ID: | 128 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 18 |
| Width (m): | 9 |
| DBH (cm) | 75 |
| Diameter at base (cm): | 80 |
| Health: | Poor |
| Structure: | Fair |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 9.00 |
| SRZ Radius (m): | 3.01 |
| Comments: | Seridium, DBH estimated |



| | |
|-------------------------------|--|
| Tree ID: | 129 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 18 |
| Width (m): | 13 |
| DBH (cm) | 100 |
| Diameter at base (cm): | 105 |
| Health: | Poor |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 12.00 |
| SRZ Radius (m): | 3.38 |
| Comments: | Seridium, DBH estimated, major failure |



| | |
|-------------------------------|----------------------------------|
| Tree ID: | 130 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 16 |
| Width (m): | 10 |
| DBH (cm) | 80 |
| Diameter at base (cm): | 85 |
| Health: | Poor |
| Structure: | Fair |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 9.60 |
| SRZ Radius (m): | 3.09 |
| Comments: | Seridium, DBH estimated |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|----------------------------------|
| Tree ID: | 131 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 14 |
| Width (m): | 8 |
| DBH (cm) | 80 |
| Diameter at base (cm): | 90 |
| Health: | Poor |
| Structure: | Fair |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 9.60 |
| SRZ Radius (m): | 3.17 |
| Comments: | Seridium, DBH estimated |



| | |
|-------------------------------|--------------------------|
| Tree ID: | 132 |
| Botanical Name: | <i>Quercus palustris</i> |
| Common Name: | Pin Oak |
| Origin: | Exotic |
| Height (m): | 19 |
| Width (m): | 14 |
| DBH (cm) | 74 |
| Diameter at base (cm): | 78 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 8.88 |
| SRZ Radius (m): | 2.98 |
| Comments: | Minor branch failures |



| | |
|-------------------------------|--------------------------|
| Tree ID: | 133 |
| Botanical Name: | <i>Quercus palustris</i> |
| Common Name: | Pin Oak |
| Origin: | Exotic |
| Height (m): | 23 |
| Width (m): | 14 |
| DBH (cm) | 75 |
| Diameter at base (cm): | 85 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 9.00 |
| SRZ Radius (m): | 3.09 |
| Comments: | Included bark union |



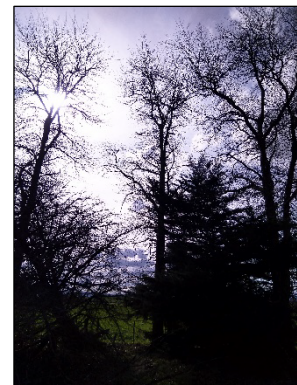
**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|----------------------------------|
| Tree ID: | 134 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 7 |
| Width (m): | 5 |
| DBH (cm) | 39 |
| Diameter at base (cm): | 43 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 4.68 |
| SRZ Radius (m): | 2.32 |
| Comments: | |



| | |
|-------------------------------|--------------------------|
| Tree ID: | 135 |
| Botanical Name: | <i>Quercus palustris</i> |
| Common Name: | Pin Oak |
| Origin: | Exotic |
| Height (m): | 18 |
| Width (m): | 12 |
| DBH (cm) | 51 |
| Diameter at base (cm): | 60 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 6.12 |
| SRZ Radius (m): | 2.67 |
| Comments: | |



| | |
|-------------------------------|--------------------------|
| Tree ID: | 136 |
| Botanical Name: | <i>Quercus palustris</i> |
| Common Name: | Pin Oak |
| Origin: | Exotic |
| Height (m): | 20 |
| Width (m): | 12 |
| DBH (cm) | 56 |
| Diameter at base (cm): | 60 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 6.72 |
| SRZ Radius (m): | 2.67 |
| Comments: | |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|------------------------|--------------------------|
| Tree ID: | 137 |
| Botanical Name: | <i>Quercus palustris</i> |
| Common Name: | Pin Oak |
| Origin: | Exotic |
| Height (m): | 22 |
| Width (m): | 14 |
| DBH (cm) | 66 |
| Diameter at base (cm): | 80 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 7.92 |
| SRZ Radius (m): | 3.01 |
| Comments: | |



| | |
|------------------------|--------------------------|
| Tree ID: | 138 |
| Botanical Name: | <i>Quercus palustris</i> |
| Common Name: | Pin Oak |
| Origin: | Exotic |
| Height (m): | 24 |
| Width (m): | 14 |
| DBH (cm) | 85 |
| Diameter at base (cm): | 90 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 10.20 |
| SRZ Radius (m): | 3.17 |
| Comments: | |



| | |
|------------------------|--------------------------|
| Tree ID: | 139 |
| Botanical Name: | <i>Quercus palustris</i> |
| Common Name: | Pin Oak |
| Origin: | Exotic |
| Height (m): | 25 |
| Width (m): | 12 |
| DBH (cm) | 93 |
| Diameter at base (cm): | 100 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 11.16 |
| SRZ Radius (m): | 3.31 |
| Comments: | |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|--------------------------|
| Tree ID: | 140 |
| Botanical Name: | <i>Quercus palustris</i> |
| Common Name: | Pin Oak |
| Origin: | Exotic |
| Height (m): | 25 |
| Width (m): | 13 |
| DBH (cm) | 76 |
| Diameter at base (cm): | 90 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 9.12 |
| SRZ Radius (m): | 3.17 |
| Comments: | |



| | |
|-------------------------------|----------------------------------|
| Tree ID: | 141 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 17 |
| Width (m): | 13 |
| DBH (cm) | 90 |
| Diameter at base (cm): | 95 |
| Health: | Poor |
| Structure: | Fair |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 10.80 |
| SRZ Radius (m): | 3.24 |
| Comments: | Seridium, DBH estimated |



| | |
|-------------------------------|---------------------------|
| Tree ID: | 142 |
| Botanical Name: | <i>Crataegus levigata</i> |
| Common Name: | Hawthorn |
| Origin: | Exotic |
| Height (m): | 5 |
| Width (m): | 2 |
| DBH (cm) | 15 |
| Diameter at base (cm): | 16 |
| Health: | Good |
| Structure: | Good |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.53 |
| Comments: | |



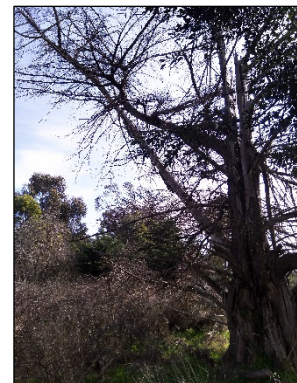
**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|------------------------|---------------------------|
| Tree ID: | 143 |
| Botanical Name: | <i>Eucalyptus robusta</i> |
| Common Name: | Swamp Mahogany |
| Origin: | Planted Australian |
| Height (m): | 8 |
| Width (m): | 7 |
| DBH (cm) | 75 |
| Diameter at base (cm): | 75 |
| Health: | Good |
| Structure: | Poor |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 9.00 |
| SRZ Radius (m): | 2.93 |
| Comments: | Stem failure |



| | |
|------------------------|----------------------------------|
| Tree ID: | 144 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 12 |
| Width (m): | 10 |
| DBH (cm) | 100 |
| Diameter at base (cm): | 115 |
| Health: | Dead |
| Structure: | Poor |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 12.00 |
| SRZ Radius (m): | 3.51 |
| Comments: | |



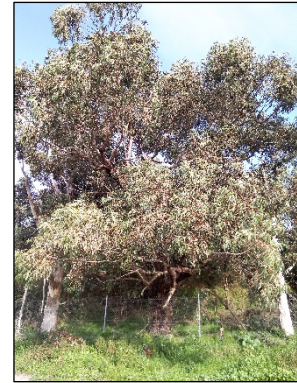
| | |
|------------------------|-----------------------|
| Tree ID: | 145 |
| Botanical Name: | <i>Eucalyptus sp.</i> |
| Common Name: | Gum |
| Origin: | Planted Victorian |
| Height (m): | 17 |
| Width (m): | 6 |
| DBH (cm) | 65 |
| Diameter at base (cm): | 70 |
| Health: | Dead |
| Structure: | Fair |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 7.80 |
| SRZ Radius (m): | 2.85 |
| Comments: | No access to tag |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|---------------------------------|
| Tree ID: | 146 |
| Botanical Name: | <i>Eucalyptus botryoides</i> |
| Common Name: | Southern Mahogany |
| Origin: | Planted Victorian |
| Height (m): | 16 |
| Width (m): | 15 |
| DBH (cm) | 90 |
| Diameter at base (cm): | 95 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 10.80 |
| SRZ Radius (m): | 3.24 |
| Comments: | No access to tag, DBH estimated |



| | |
|-------------------------------|----------------------------------|
| Tree ID: | 147 |
| Botanical Name: | <i>Hesperocyparis macrocarpa</i> |
| Common Name: | Monterey Cypress |
| Origin: | Exotic |
| Height (m): | 12 |
| Width (m): | 6 |
| DBH (cm) | 45 |
| Diameter at base (cm): | 50 |
| Health: | Dead |
| Structure: | Fair |
| ULE: | <3 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 5.40 |
| SRZ Radius (m): | 2.47 |
| Comments: | No access to tag, DBH estimated |



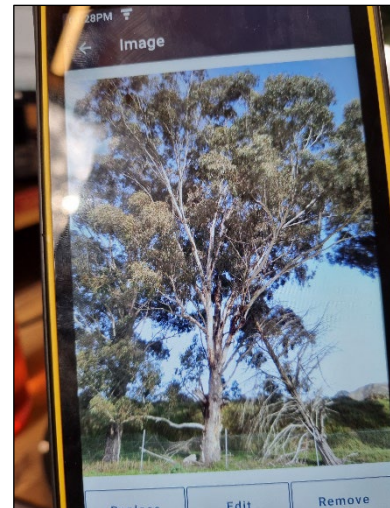
| | |
|-------------------------------|---|
| Tree ID: | 148 |
| Botanical Name: | <i>Eucalyptus melliodora</i> |
| Common Name: | Yellow Box |
| Origin: | Planted Victorian |
| Height (m): | 24 |
| Width (m): | 15 |
| DBH (cm) | 80 |
| Diameter at base (cm): | 82 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 9.60 |
| SRZ Radius (m): | 3.04 |
| Comments: | No access to tag, DBH estimated. Planted |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

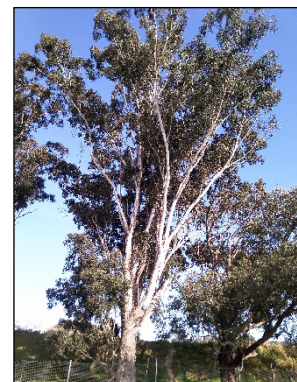
| | |
|-------------------------------|---|
| Tree ID: | 149 |
| Botanical Name: | <i>Eucalyptus melliodora</i> |
| Common Name: | Yellow Box |
| Origin: | Planted Victorian |
| Height (m): | 25 |
| Width (m): | 17 |
| DBH (cm) | 90 |
| Diameter at base (cm): | 92 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 10.80 |
| SRZ Radius (m): | 3.20 |
| Comments: | No access to tag, DBH estimated. Planted |



| | |
|-------------------------------|---|
| Tree ID: | 150 |
| Botanical Name: | <i>Eucalyptus melliodora</i> |
| Common Name: | Yellow Box |
| Origin: | Planted Victorian |
| Height (m): | 19 |
| Width (m): | 9 |
| DBH (cm) | 85 |
| Diameter at base (cm): | 90 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 10.20 |
| SRZ Radius (m): | 3.17 |
| Comments: | No access to tag, DBH estimated. Planted |



| | |
|-------------------------------|---|
| Tree ID: | 6/151 |
| Botanical Name: | <i>Eucalyptus melliodora</i> |
| Common Name: | Yellow Box |
| Origin: | Planted Victorian |
| Height (m): | 25 |
| Width (m): | 15 |
| DBH (cm) | 115 |
| Diameter at base (cm): | 120 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 13.80 |
| SRZ Radius (m): | 3.57 |
| Comments: | No access to tag, DBH estimated. Planted |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

| | |
|-------------------------------|---|
| Tree ID: | 152 |
| Botanical Name: | <i>Eucalyptus botryoides</i> |
| Common Name: | Southern Mahogany |
| Origin: | Planted Victorian |
| Height (m): | 15 |
| Width (m): | 13 |
| DBH (cm) | 75 |
| Diameter at base (cm): | 80 |
| Health: | Good |
| Structure: | Fair |
| ULE: | >10 years |
| Tree Significance: | Medium |
| Retention Value: | Medium |
| TPZ Radius (m): | 9.00 |
| SRZ Radius (m): | 3.01 |
| Comments: | No access to tag, DBH estimated. Planted |



| | |
|-------------------------------|---|
| Tree ID: | 153 |
| Botanical Name: | <i>Eucalyptus melliodora</i> |
| Common Name: | Yellow Box |
| Origin: | Planted Victorian |
| Height (m): | 7 |
| Width (m): | 2 |
| DBH (cm) | 15 |
| Diameter at base (cm): | 16 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.53 |
| Comments: | No access to tag, DBH estimated. Planted |



| | |
|-------------------------------|---|
| Tree ID: | 5/154 |
| Botanical Name: | <i>Eucalyptus botryoides</i> |
| Common Name: | Southern Mahogany |
| Origin: | Planted Victorian |
| Height (m): | 13 |
| Width (m): | 6 |
| DBH (cm) | 80 |
| Diameter at base (cm): | 85 |
| Health: | Good |
| Structure: | Poor |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Low |
| TPZ Radius (m): | 9.60 |
| SRZ Radius (m): | 3.09 |
| Comments: | No access to tag, DBH estimated. Planted. Stem failure |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

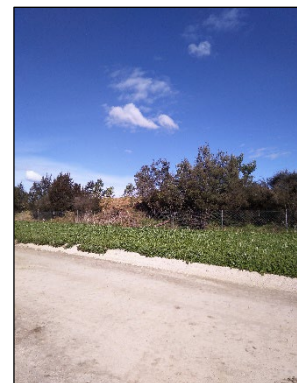
| | |
|-------------------------------|---|
| Tree ID: | 4/155 |
| Botanical Name: | <i>Eucalyptus melliodora</i> |
| Common Name: | Yellow Box |
| Origin: | Planted Victorian |
| Height (m): | 23 |
| Width (m): | 16 |
| DBH (cm) | 115 |
| Diameter at base (cm): | 120 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | High |
| Retention Value: | High |
| TPZ Radius (m): | 13.80 |
| SRZ Radius (m): | 3.57 |
| Comments: | No access to tag, DBH estimated. Planted |



| | |
|-------------------------------|---|
| Tree ID: | 156 |
| Botanical Name: | <i>Acacia melanoxylon</i> |
| Common Name: | Blackwood |
| Origin: | Native |
| Height (m): | 4 |
| Width (m): | 2 |
| DBH (cm) | 12 |
| Diameter at base (cm): | 13 |
| Health: | Good |
| Structure: | Good |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.50 |
| Comments: | Group. no access to tag, DBH estimated, possibly naturally occurring. |



| | |
|-------------------------------|-------------------------------|
| Tree ID: | 157 |
| Botanical Name: | <i>Allocasuarina torulosa</i> |
| Common Name: | Forest/Rose She Oak |
| Origin: | Planted Australian |
| Height (m): | 5 |
| Width (m): | 2 |
| DBH (cm) | 15 |
| Diameter at base (cm): | 16 |
| Health: | Good |
| Structure: | Good |
| ULE: | >10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.53 |
| Comments: | Group, likely planted |



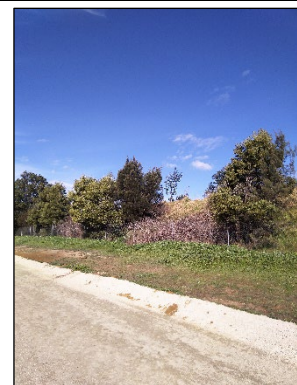
**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

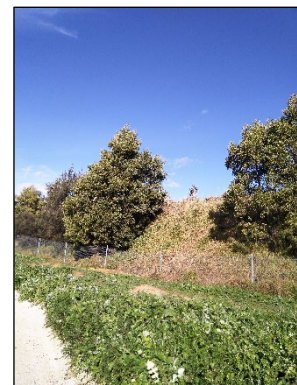
| | |
|-------------------------------|-------------------------------------|
| Tree ID: | 3/158 |
| Botanical Name: | <i>Acacia implexa</i> |
| Common Name: | Lightwood |
| Origin: | Native |
| Height (m): | 7 |
| Width (m): | 4 |
| DBH (cm) | 30 |
| Diameter at base (cm): | 32 |
| Health: | Good |
| Structure: | Good |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 3.60 |
| SRZ Radius (m): | 2.05 |
| Comments: | Group, possibly naturally occurring |



| | |
|-------------------------------|-------------------------------------|
| Tree ID: | 159 |
| Botanical Name: | <i>Acacia melanoxydon</i> |
| Common Name: | Blackwood |
| Origin: | Native |
| Height (m): | 4 |
| Width (m): | 2 |
| DBH (cm) | 15 |
| Diameter at base (cm): | 16 |
| Health: | Good |
| Structure: | Good |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.53 |
| Comments: | Group, possibly naturally occurring |



| | |
|-------------------------------|------------------------------|
| Tree ID: | 160 |
| Botanical Name: | <i>Acacia melanoxydon</i> |
| Common Name: | Blackwood |
| Origin: | Native |
| Height (m): | 5 |
| Width (m): | 3 |
| DBH (cm) | 15 |
| Diameter at base (cm): | 16 |
| Health: | Good |
| Structure: | Good |
| ULE: | 3-10 years |
| Tree Significance: | Low |
| Retention Value: | Medium |
| TPZ Radius (m): | 2.00 |
| SRZ Radius (m): | 1.53 |
| Comments: | Possibly naturally occurring |



**ADVERTISED
PLAN**

This copied document to be made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright

**ADVERTISED
PLAN**

**This copied document to be made available
for the sole purpose of enabling
its consideration and review as
part of a planning process under the
Planning and Environment Act 1987.
The document must not be used for any
purpose which may breach any
copyright**