CITY OF
MONASH

Tree Amenity Valuation /Inspection Report

Infrastructure and Environment

Arboriculture

Avendon Boulevard Footpath Works

Glen Waverley

3150

Prepared By:
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Ainsworth

Date:17/4/23

Table of Contents

1. Purpose

This report was requested by:

Department/Officer:	David Edwards – Coordinator Arboriculture
For the purposes of:	Construction of new footpath into reserve

2. Description

The scope of this report addresses:

2.1	**Description of trees assessed**	Four *Allocasuarina verticillata,* three *Eucalyptus scoparia* and one *Eucalyptus cephalocarpa* in the reserve adjacent to Avendon Boulevard Glen Waverley
2.2	**Description of site**	Reserve and street nature strip
2.3	**Directional aspect**	East/West
2.4	**Ownership/facility type** *E.g. Road, carpark, Council facility, private development, tree impacting on public asset*	Council owned and managed trees

3. Methodology

Council's arborist conducted a Visual Tree Assessment (VTA) on …17/4/23……..

This assessment was carried out from the ground and included:

- Collection of tree data documenting current condition (health and structure) and ULE (useful life expectancy).
- Assessment of potential construction impacts on the trees assessed.

The inspection method used was a VTA (Visual Tree Assessment). A set of principles adopted by arborists when assessing tree health/condition/structure, whereby growth adaptations/abnormalities/responses to biodynamic/mechanical influences are interpreted and categorised as acceptable/unacceptable. The VTA method interprets biotic and abiotic physical and physiological indicators found in/on/within trees. • (Mattheck, C. 2007).

This report is based upon the Australian Standard AS4970-2009 – Protection of Trees on Development Sites.

Note: No internal inspection/investigation has been conducted. No below ground examination of roots has been conducted. No samples have been taken and/or no tests have been undertaken. An inspection of any description is not an assurance of a tree's health/condition/longevity and/or safety.

4. Vegetation Controls

The site is located in the City of Monash, Planning overlays applicable to this site are as follows:

- GRZ – General Residential Zone

5. Inspection Data

The following information and assessment of the trees on the site was recorded.

Asset ID	Genus/Species	Number	Useful Life Expectancy	Arborist remark	Recommended Action
400306	*Allocasurina verticillata*	1	< 5 years	Poor structure. Acute lean with heaving at root plate. TPZ & SRZ compromised by level of incursion with construction of new path.	Removal.
400305	*Allocasurina verticillata*	2	> 20 years	Good health and condition. TPZ & SRZ compromised with construction of new path.	Removal.
400307	*Allocasurina verticillata*	3	> 20 years	Good health and condition. TPZ & SRZ compromised by level of incursion with construction of new path.	Removal.
400308	*Allocasurina verticillata*	4	> 20 years	Good health and condition. TPZ & SRZ compromised by level of incursion with construction of new path.	Removal.
N/A	*Eucalyptus scoparia*	5	< 2 years	Tree is dead.	Removal.
N/A	*Eucalyptus scoparia*	6	< 2 years	Poor structure. Movement in root plate.	Removal.
N/A	*Eucalyptus scoparia*	7	< 2 years	Poor structure. Movement in root plate.	Removal.
N/A	*Eucalyptus cephalocarpa*	8	< 2 years	Tree in severe decline. Large amount of dieback.	Removal.
N/A	*Acacia dealbata*	9	< 10 years	Fair health and condition. TPZ & SRZ compromised by level of incursion with construction of new path.	Removal.
N/A	*Leptospermum sp.*	10	< 5 years	Tree to be retained. Pruning of lower branch required.	Pruning.

6. Summary

The purpose of this report is to provide tree data and recommendations within the scope of the proposed footpath construction adjacent to Avendon Boulevard heading east into the reserve.

All tree assessments will evaluate condition ratings, the level of incursion and if trees can be retained to facilitate the construction of the path. Trees only involved within the footprint of the project were assessed in detail.

The initial site visit was undertaken on Monday 17 April 2023 by Stuart Ainsworth (Arborist – City of Monash).

Excavation of 400mm – 600mm depth at a distance of 1m from the base of the tree #9 is required to achieve the correct level of the new path which will have an incursion greater than 10% and compromise the structural integrity of the structural root zone.

7. Recommendations

Tree #1 - 4: *Allocasuarina verticillata* – Tree #1 has an acute lean with heaving at the root plate. The health and stability of all four trees will be compromised by the level of incursion into the TPZ and SRZ. Recommended for removal.

Tree #5 : *Eucalyptus scoparia* – Tree is dead. Removal required.

Tree #6&7: *Eucalyptus scoparia* – Poor structure and movement in the root plate. Removal required.

Tree #8: *Eucalyptus cephalocarpa* – Tree is in severe decline with a large amount of deadwood present. Removal required.

Tree #9: *Acacia dealbata* – Tree is to be removed as TPZ & SRZ compromised by level of incursion with construction of new path.

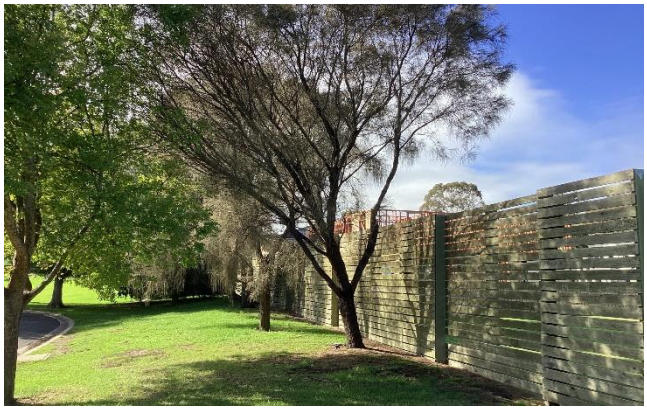
Tree #10: *Leptospermum sp*. - Tree is to be retained. Pruning of lower limb required as indicated in in photo.

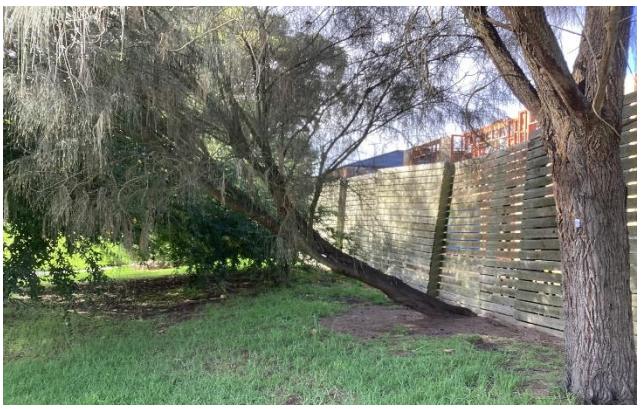
8. Appendices

8.1 Tree images

Tree #1 - 4 *Allocasuarina verticillata* – Drooping she-oak

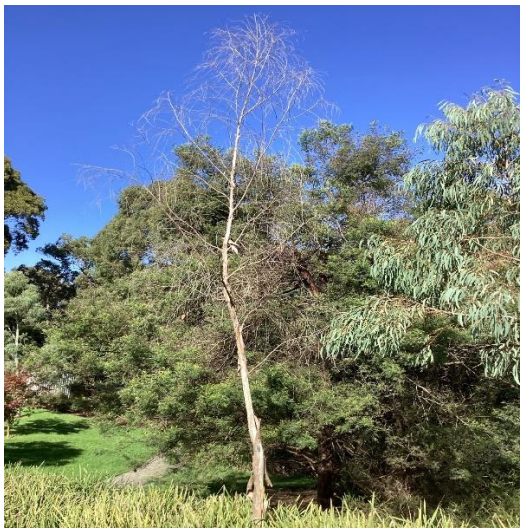
Origin : Native **Type:** Evergreen **Age:** Mature

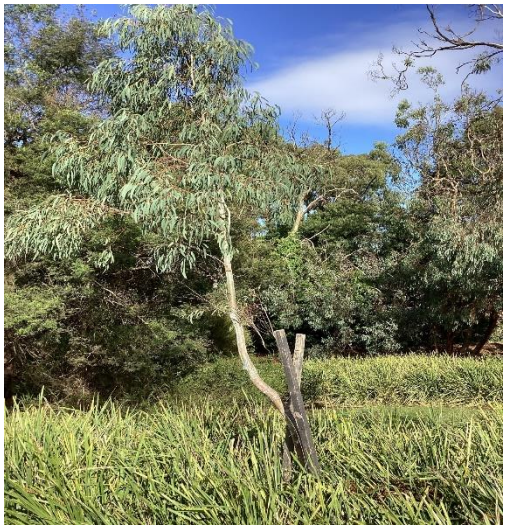




Tree #5 - 7 *Eucalyptus scoparia* – Wallangarra white gum

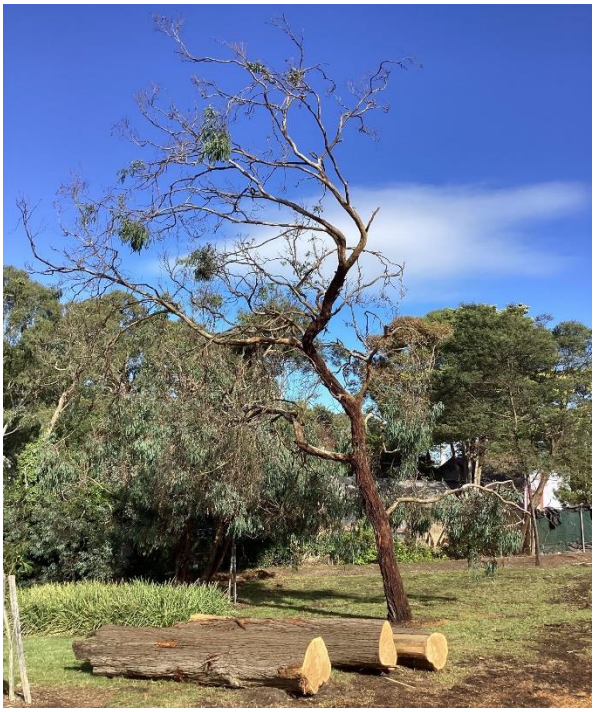
Origin : Native **Type:** Evergreen **Age:** Semi mature





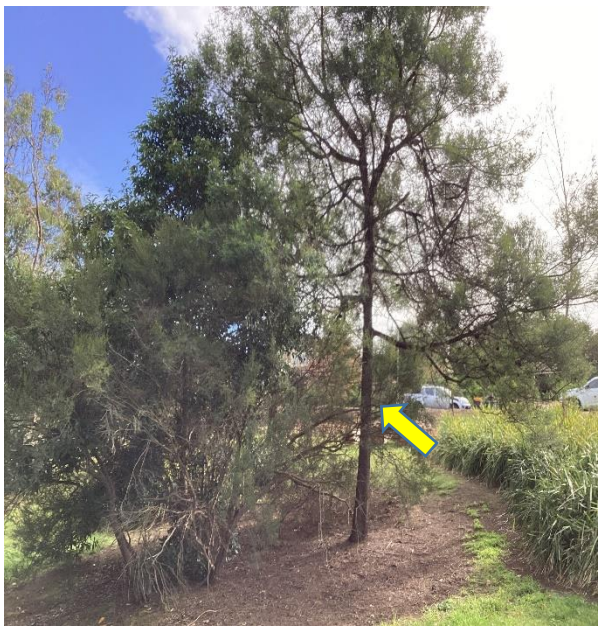
Tree #8 *Eucalyptus cephalocarpa* – mealy stringybark

Origin : Exotic **Type:** Evergreen **Age:** Mature



Tree #9 *Acacia dealbata* – silver wattle

Origin : Native **Type:** Evergreen **Age:** Mature



Tree #10 *Leptospermum sp.*

Origin : Native **Type:** Evergreen **Age:** Mature